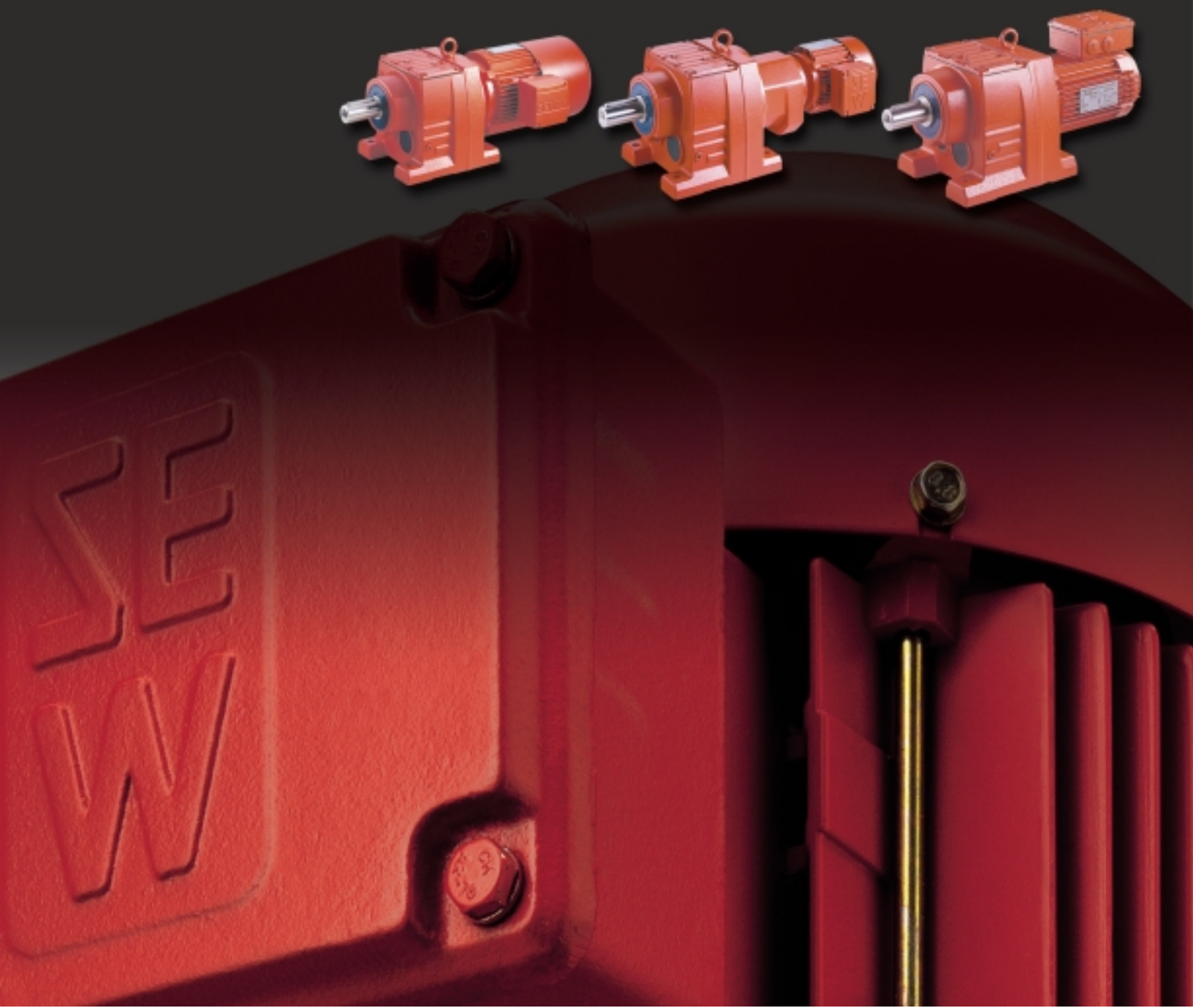
SEW EURODRIVE

2002 Product Catalog

Up to 98% Efficient • Superior Uptime • Long Life • Low Maintenance • Compact Design • Modular Components • Custom Assembled



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SEW EURODRIVE

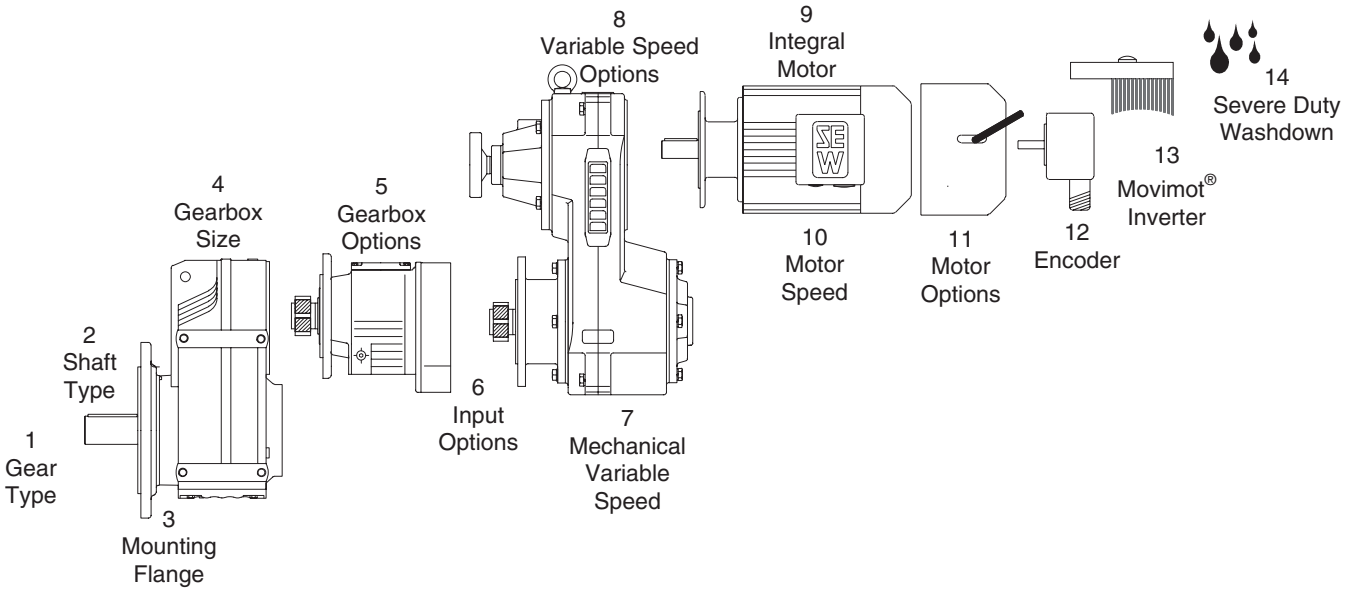
Contents

Type of measure	SI Sign	SI Unit	SI-Units Denomination	Type of measure	SI Sign	SI Unit	SI-Units Denomination
Length	l	m	meter	Force	F	N	Newton
Width	b	m	meter	Gravity Force	G	N	Newton
Height	h	m	meter	Pressure	p	N/m^2	Pascal
Radius	r	m	meter	Torque	M	Nm	Newton meter
Rotary Speed	n	rpm		Inertia	J	kgm^2	$m.r^2$
Diameter	d	m	meter	Temperature	T	K	Kelvin
Distance	s	m	meter	Temperature	t	°C	Celsius
Angle	$\alpha, \beta, \gamma, ...$	rad	radian	Work, energy	W	J	Joule
Area	A,S	m^2		Real Power	P	W	Watt
Volume	V	m^3		Apparent Power	S	VA	Volt Ampere
Time	t	s	Second	Reactive Power	Q	VAR	Volt Ampere
Cycle Length	T	s	Second	Voltage	U	V	Volt
Frequency	f	Hz	Hertz	Elec. Current	I	A	Ampere
Velocity	v	m/s		Elec. Resistance	R	Ω	Ohm
Acceleration	a	m/s^2		Elec. Capacity	C	F	Farad
Earth Acceleration	g	m/s^2	= 9.81 m/s^2	Elec. Inductance	L	H	Henry
Angular Acceleration	α	$\frac{rad}{s^2}$		Friction Factor	μ	1	
Mass	m	kg	kilogram	Efficiency	η	1	EFF.
Density	g	kg/m^3		Dynamic Viscosity	η	Ns/m^2	Pascal sec.

Conversion table for commonly used English - Metric units

DISTANCE	Area	VOLUME
Inches = 39.37 x m	sq. in. = 1550 x m^2	Gallon (UK) = 0.22 x liter
Feet = 3.281 x m	sq. ft. = 10.76 x m^2	Gallon (US) = 0.264 x liter
Yards = 1.094 x m	sq. yd. = 1.196 x m^2	cu. inch = 61.024 x liter
Miles = 0.621 x km	sq. ml. = 0.3861 x km^2	cu. ft. = 35.315 x m^3
Feet = 5280 x miles	$m^2 = 10^6$ x km^2	cu. yd. = 1.308 x m^3
Mass & Force	**PRESSURE, STRESS**	**TEMPERATURE**
Ounces = 35.3 x kg	lb./sq. in. = 14.69 x atm.	°F = 1.8 x °C + 32
Pounds = 2.205 x kg	ft. water = 33.9 x atm.	°C = 0.555(°F - 32)
Pounds = 0.225 x N	Pascal = 9.81 x 10^4 x atm.	
Torque	**INERTIA**	**PERFORMANCE**
lb. in. = 8.85 x Nm	WK^2 ($lbft.^2$) = 5.93 x GD^2	lb. in. = 86.79 x kpm
lb. ft. = 0.738 x Nm	WK^2 ($lbft.^2$) = 23.75 x J	lb. ft. = 0.7376 x J
lb. in. = 86.79 x kpm	lb. $in.^2$ = 144 x lb. $ft.^2$	lb. ft./min. = 44253 x kW
lb. ft. = 7.233 x kpm	J (mr^2) = 0.25 x GD^2 ($kgfm^2$)	lb. ft./s. = 737.55 x kW
lb. in. = 12 x lbf. ft.		hp = 1.34 x kW

Nomenclature



1	2	3	4	5	6	7	8	9	10	11	12	13	14

1 - Type		2 - Shaft		3- Flange		4 - Size		5 - Gear Options	
R	Helical	**—**	Solid	**F**	B5 Flange	**R**	17-167	**R_**	Added Gear Reducer
F	the Snuggler®	**A**	Hollow	**FF**	B5 Flange Both Sides	**F**	37-157	**B**	Rail Holes (F Box)
K	Bevel	**H**	Shrink Disc	**Z**	B14 Flange	**K**	37-157	**B**	Feet (KA Box)
S	Worm	**V**	Spline	**M**	Agitator Extension	**S**	37-97	**F**	Feet + Flange (R Box)
W	Hypoid (Spiroplan®)	**T**	Hollow with Tapered Bushings			**W**	20-30	**T**	Torque Arm

6 - Input Options				7 - Mechanical Variable Speed	
A	No Input	**AR**	Torque Limit Coupling	**D_ _**	Varimot® Disc Drive
AD	Input Shaft	**AR_W**	Torque Limit Coupling + Speed Monitor	**VU_ _**	Varigear® Belt Drive U-Flow
AD_P	Input Shaft + Platform	**AR_WS**	Torque Limit Coupling + Slip Monitor	**VZ_ _**	Varigear® Belt Drive Z-Flow
AD_RS	Input Shaft + Backstop	**AT**	Centrifugal Coupling		
AD_ZR	Input Shaft + Shoulder	**AT**	Centrifugal Coupling + Backstop		
AD_ZS	Input Shaft + Scoop	**AT**	Centrifugal Coupling + Brake		
AM	NEMA C-Face				
AM_RS	NEMA C-Face + Backstop				
AQ	Servo Input				

8 - Variable Speed Options		9 - Integral Motor		10 - Motor Speed (60 Hz)	
H	Handwheel @ 90°	**CT or CV**	Asynchronous Servo	**2**	3600 rpm
S	Position Dial	**DT or DV**	Standard AC Induction	**4**	1800 rpm
HS	90° Handwheel + Position Dial	**SDT or SDV**	2-Speed 40/100% Duty	**6**	1200 rpm
BMG	Brake on Pulley Shaft	**DS or DY**	Synchronous Servo	**8**	900 rpm
B	Nitrated Pulleys			**4/2**	1800/3600 rpm
B	Chrome Disc			**8/4**	900/1800 rpm
N	No Handwheel			**6/2**	1200/3600 rpm
RG	Remote Speed Control			**8/2**	900/3600 rpm
FS	Digital Meter			**12/2**	600/3600 rpm
IG	Pickup w/o Meter				
U	No Vents on Varigear®				
GH	Gear Half of Varimot®				

11 - Motor Options							
BMG_	Motor Brake (71-132S)	**HR**	Lever Type Brake Release	**U**	TENV	**VR**	Vent Fan 24V
BM_	Motor Brake (132M+)	**IS**	Multi-Pin Connector (for Quick Disconnect)	**Z**	Cast Iron Fan (High Inertia)	**VY**	Vent Fan Servo
B	Servo Brake	**AS**	Harting Plug (for Quick Disconnect)	**VS**	Vent Fan 1 Phase	**TF**	Thermistors (Controller Needed)
HF	Screw Type Brake Release	**RS**	Backstop	**V**	Vent Fan 3 Phase	**TH**	Thermostats
		C	Canopy				

12 - Encoder									
1 - Type		2 - Shaft		3 - Size		4 - Signal			
E	Incremental Encoder	**S**	Spread Shaft	**1**	All Solid Shafts	**A**	Hardware without Encoder	**T**	$5V_{DC}$ In $5V_{DC}$ TTL Out
A	Absolute Encoder	**V**	Solid Shaft		Spread Shaft (71-100L)	**C**	$24V_{DC}$ In $24V_{DC}$ HTL Out	**Y**	15-$24V_{DC}$ In SSI Interface Out (SEW Absolute)
N	Proximity Sensor	**H**	Hollow Shaft	**2**	Spread Shaft (112-132S)	**R**	$24V_{DC}$ In $5V_{DC}$ TTL Out	**6**	$24V_{DC}$ In 6 Pulses/Rev Out
X	Non-SEW Encoder				All Proximity Sensors	**S**	$24V_{DC}$ In $1V_{SS}$ Sin/Cos Out		

13 - Movimot®				14 - Severe Duty	
MM03	.50 HP	**MM15**	2.0 HP	**-KS**	Severe Duty
MM05	.75 HP	**MM22**	3.0 HP		
MM07	1.0 HP	**MM30**	5.0 HP		
MM11	1.5 HP				

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Mounting Positions and Important Order Information

General information on mounting positions

Mounting position designation

SEW differentiates between six mounting positions M1 – M6 for geared motors. The following figure shows the spatial arrangement of the gear units in mounting positions M1 – M6.

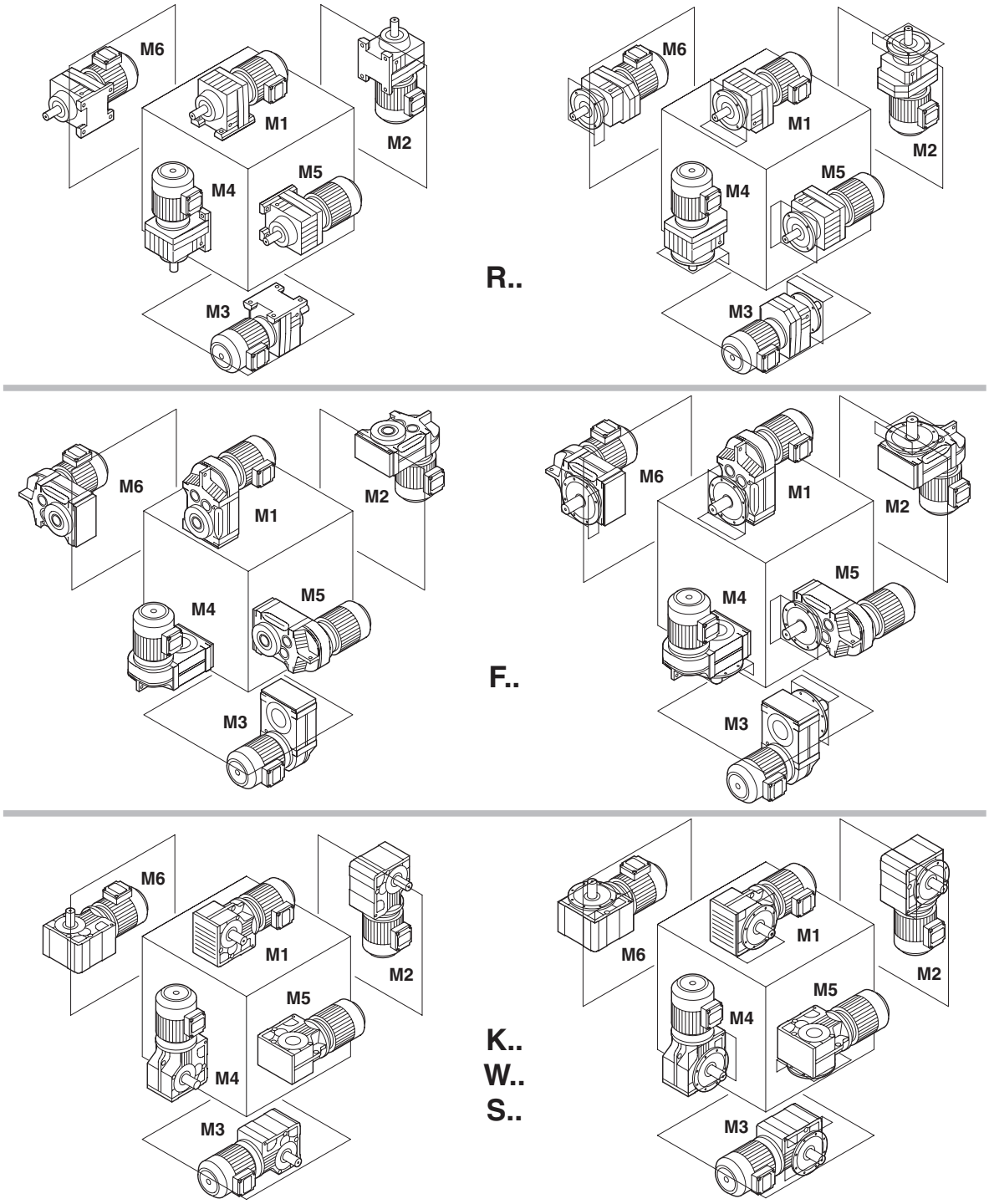


Fig. 8: Depiction of mounting positions M1 – M6

Comparison of old/new

The following table shows how the old SEW mounting position designations have been transferred into the new system:

	M1	M2	M3	M4	M5	M6
R, RX	B3	V6	B8	V5	B6	B7
R..F	B35	V36	B85	V15	B65	B75
RF, RXF	B5	V3	B5II	V1	B5I	B5III
F FA..B FH..B FV..B	B6	V6	B6II	V5	B3 B8	B3I B8I
FF	B5	V3	B5II	V1	B5I	B5III
FA FHF FVF FH FAZ FV FHZ FAF FVZ	H1	H6	H2	H5	H4	H3
K KA..B KH..B KV..B	B3 B6I	B6 B8I	B8	B3I B6II	V5 V5I	V6 V6I
K/KH 166/167 186/187	B3 B5/I			B3I B5/II	V1/	V1/I
KF	B5I B3/B5I	B5 B65	B5III B8/B5III	B5II B6/B5II	V1 V15	V1I V6/V1I
KA KHF KVF KH KAZ KV KHZ KAF KVZ	H1	H4	H2	H3	H5	H6
S	B3 B6I B8II (S37)	B6 B8I	B8 B3II	B3I B6II	V5 V5I	V6 V6I V5II (S37)
SF	B5I	B5	B5III	B5II	V1	V1I
SA SH SAF SHF SAZ SHZ	H1	H4	H2	H3	H5	H6

Example

A KA77B helical-bevel gear unit which previously had the mounting position designation B3I or B6II is now specified using the mounting position designation M4.

Important order information

For all geared motors

The following order information is required in addition to the mounting position for R, F, K and S geared motors to render an exact definition of the drive configuration. This information is also required for ordering Spiroplan® (W) geared motors which are not dependent on a particular mounting position.

Position of the motor terminal box and cable entry

Possible positions of the terminal box are 0˚, 90˚, 180˚ or 270˚ as viewed onto the fan guard = B-side (→ Fig. 9).

In addition, the position of the cable entry can be selected. The possibilities are "X" (= default position), "1", "2" or "3" (→ Fig. 9).

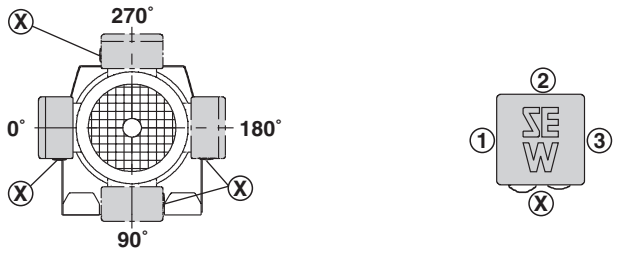


Fig. 9: Position of the terminal box and cable entry

Unless other information is given regarding the terminal box, the 0˚ type with "X" cable entry will be supplied. We recommend selecting cable entry "2" with mounting position M3.

- **DFT71 frame motors: Cable entry "2" with terminal box position 0˚, 90˚, and 270˚ or "X" with terminal box 180˚ are not possible with R47, F57, K47, or S57 (or larger) or with an IEC flange greater than 120mm.**

Direction of rotation of the drive with a backstop

If the drive has a RS backstop, it is necessary to stipulate the direction of drive rotation. The following definition applies:

Looking onto the output shaft:	Clockwise (CW)	= Rotating to the right
	Counterclockwise (CCW)	= Rotating to the left

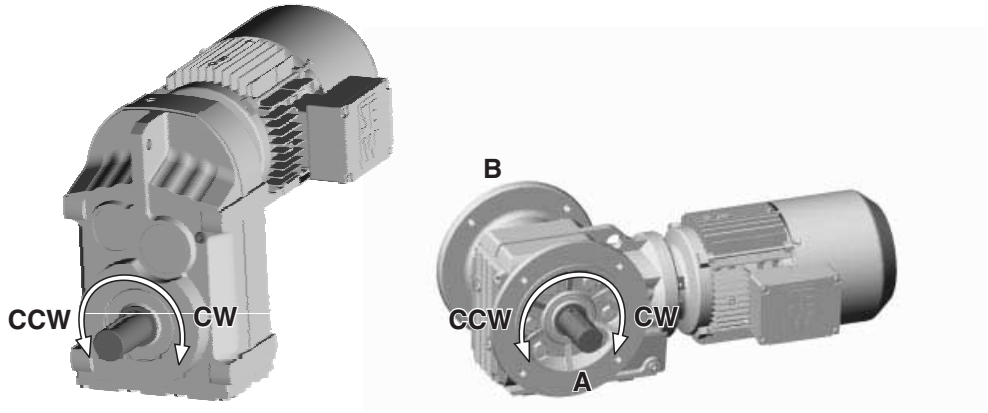


Fig. 10: Direction of rotation of the output

In right-angle gear units, it is necessary to indicate if the direction of rotation is given looking onto the A or B end.

Position of the output shaft and the output flange

In right-angle gear units, it is necessary to indicate the position of the output shaft and output flange:

- A or B or A+B (→ Fig. 11)

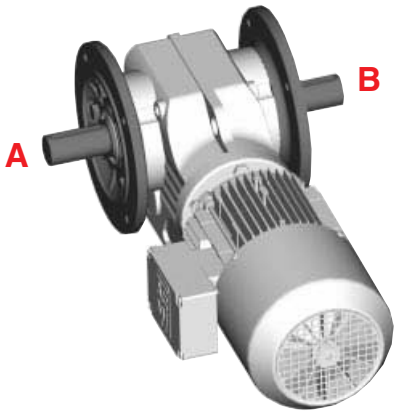


Fig. 11: Position of the output shaft and output flange

Position of the connection end in right-angle gear units

In shaft mounted right-angle gear units with shrink disk, it is necessary to indicate whether the A or B end is the connection end. In Fig. 12, the A end is the connection end. The shrink disk is located opposite the connection end.

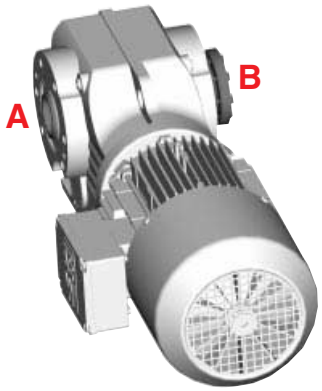


Fig. 12: Position of the connection end

Connection end at bottom only is possible with **K167/K187** helical-bevel gear units in mounting positions **M5** and **M6**.

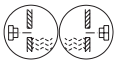
Sample orders

Type (examples)	Mtg. pos.	Shaft with	Flange with	Connection end	Position of shrink disk	Position of terminal box	Position of cable entry	Dir. of rot. of the output
K47DT71D4/RS	M2	A	-	-	-	0°	"X"	CW
SF77DV100L4	M6	A+B	A+B	-	-	90°	"3"	-
KA97DV132M4	M4	-	-	B	-	270°	"2"	-
KH107DV160L4	M1	-	-	A	B	180°	"3"	-
WF20DT71D4	-	A	A	-	-	0°	"X"	-

Key to the mounting position sheets

Symbols

The following table shows which symbols are used in the mounting position sheets and what they mean:

Symbol	Meaning
	Breather valve
	Oil level plug
	Oil drain plug

Churning losses

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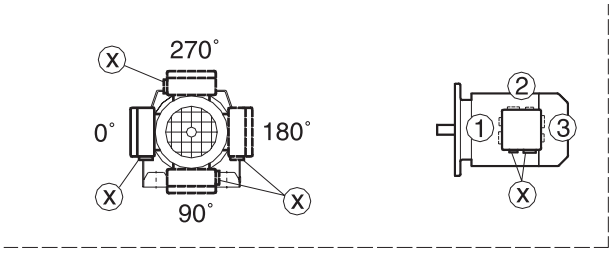
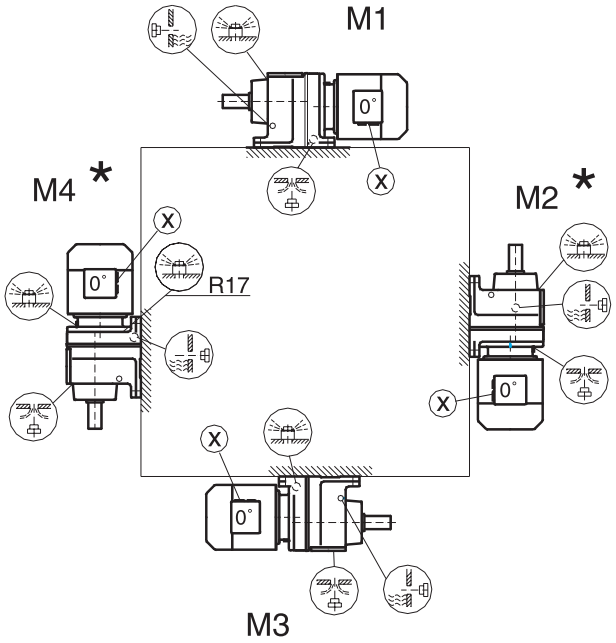
Increased churning losses may arise in some mounting positions. Please contact SEW in case of the following combinations:

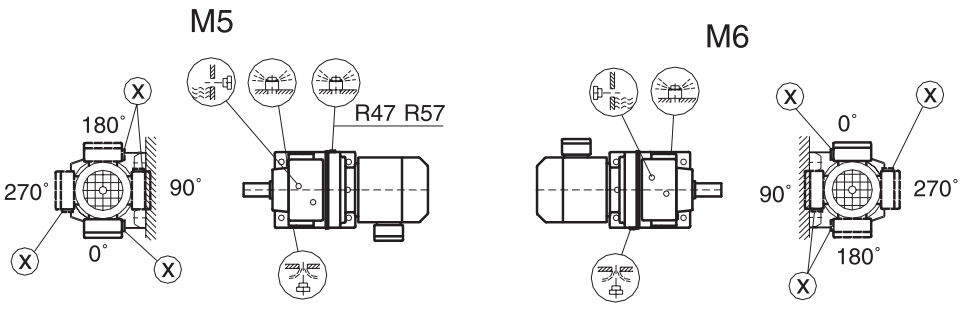
Mounting position	Gear unit type	Gear unit size	Input speed [rpm]
M2, M4	R	97 – 107	> 2500
		> 107	>1500
M2, M3, M4, M5, M6	F	97 – 107	> 2500
		> 107	> 1500
	K	77 – 107	> 2500
		> 107	> 1500
	S	77 – 97	> 2500

Mounting positions for helical geared motors

R17-R167







R17, R27		M1, M3 , M5 , M6
R47, R57		M5
R17, R27		

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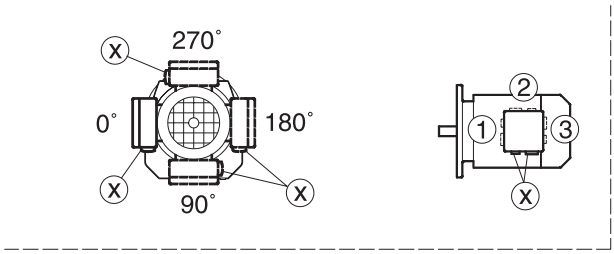
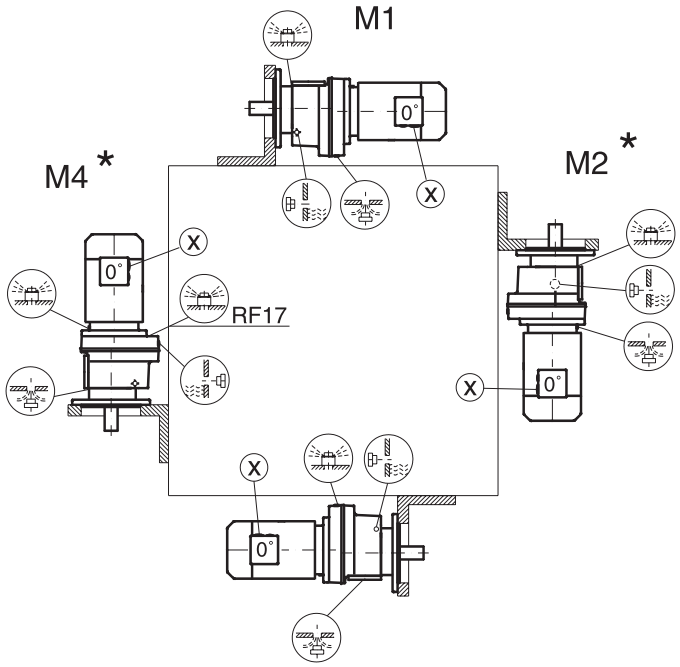
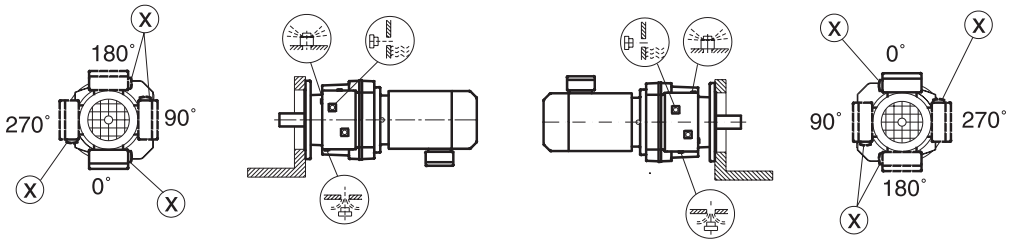
RF17-RF167







RF17, RF27		M1, M3 , M5 , M6
RF47, RF57		M5
RF17, RF27		

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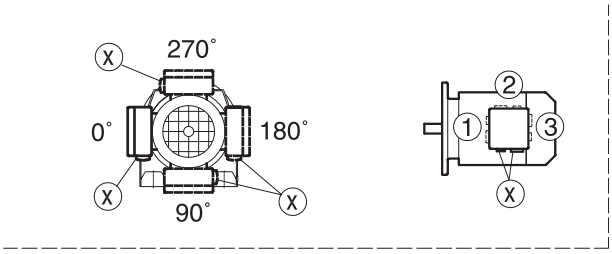
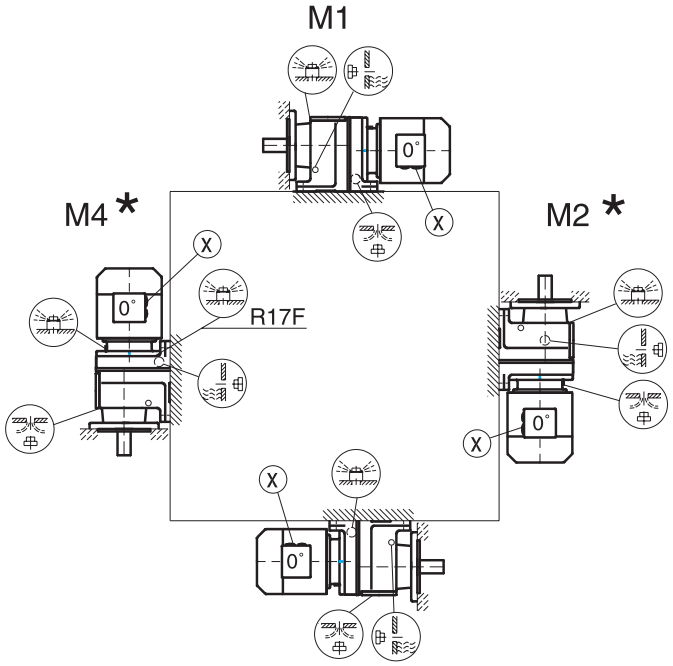
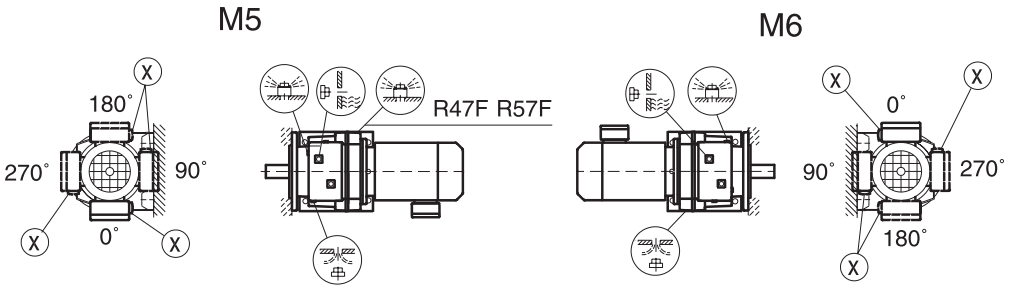
Mounting Positions

R17F-R87F







R17F, R27F M1, M3 , M5 , M6

R47F, R57F M5

R17F, R27F

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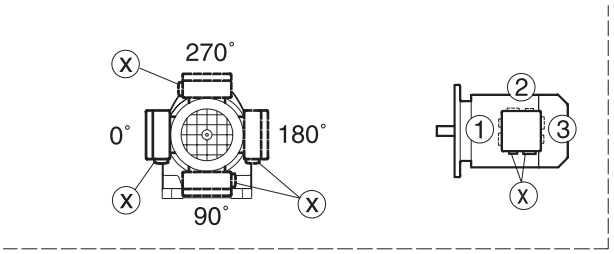
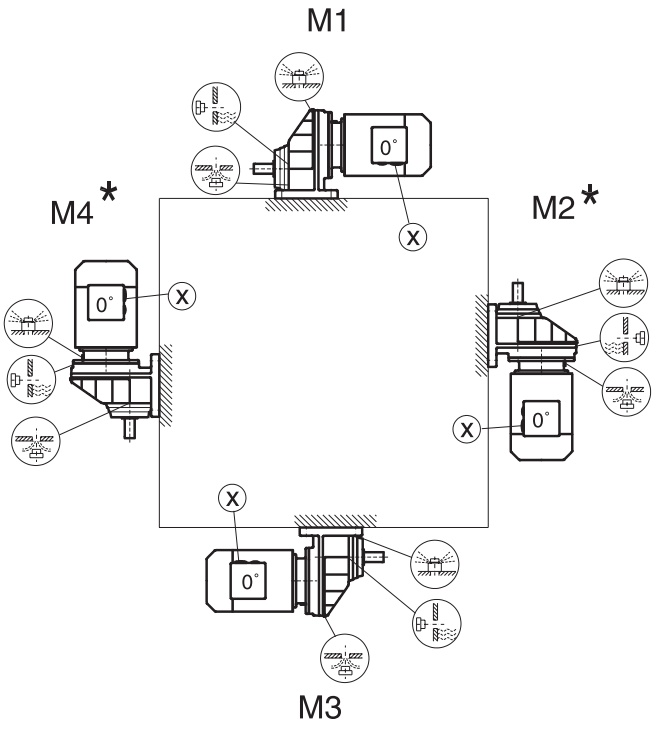
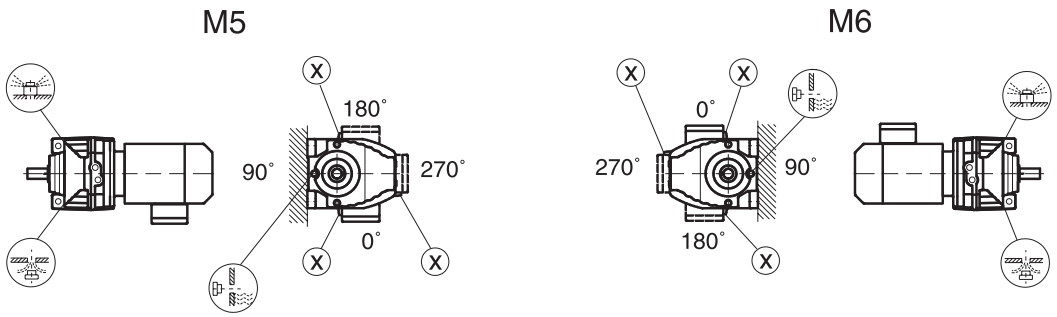
RX57-RX107







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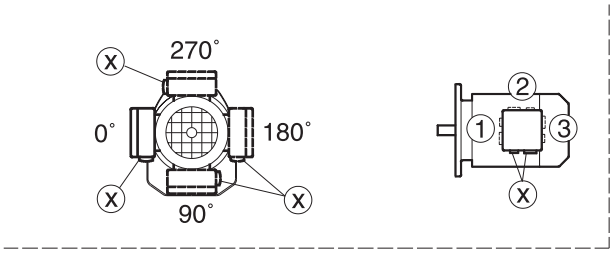
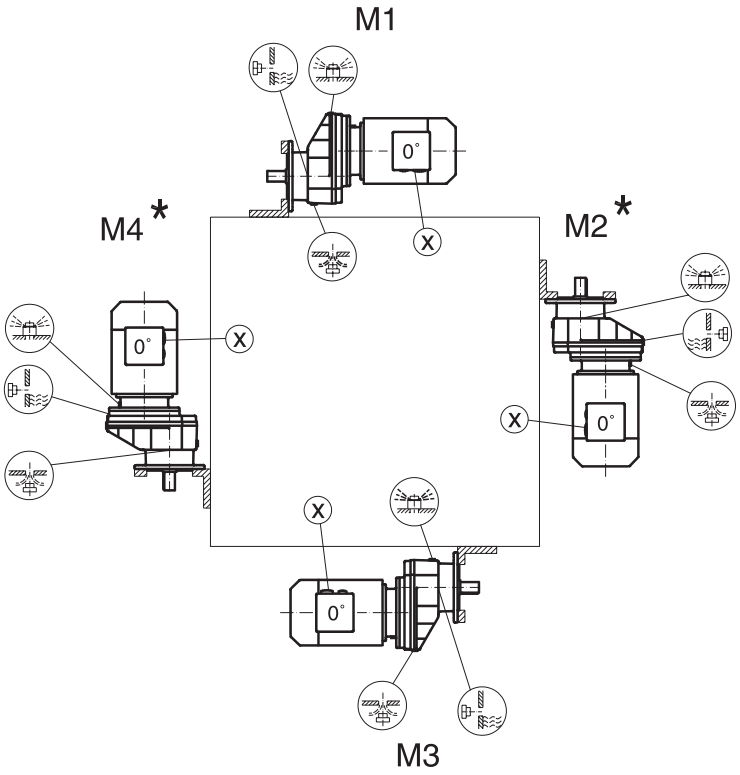
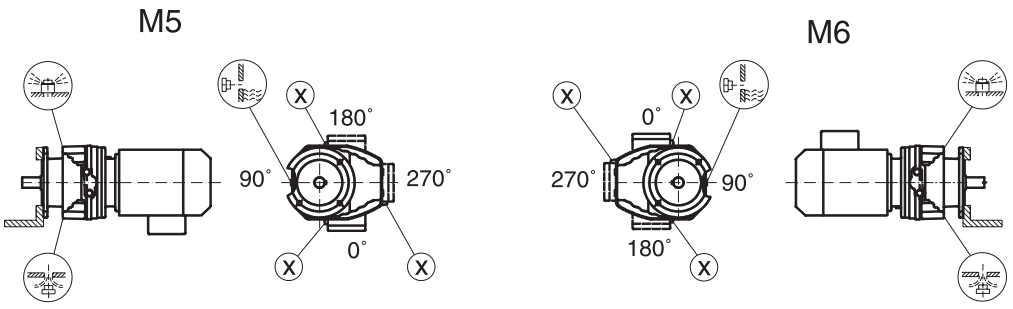
Mounting Positions

RXF57-RXF107







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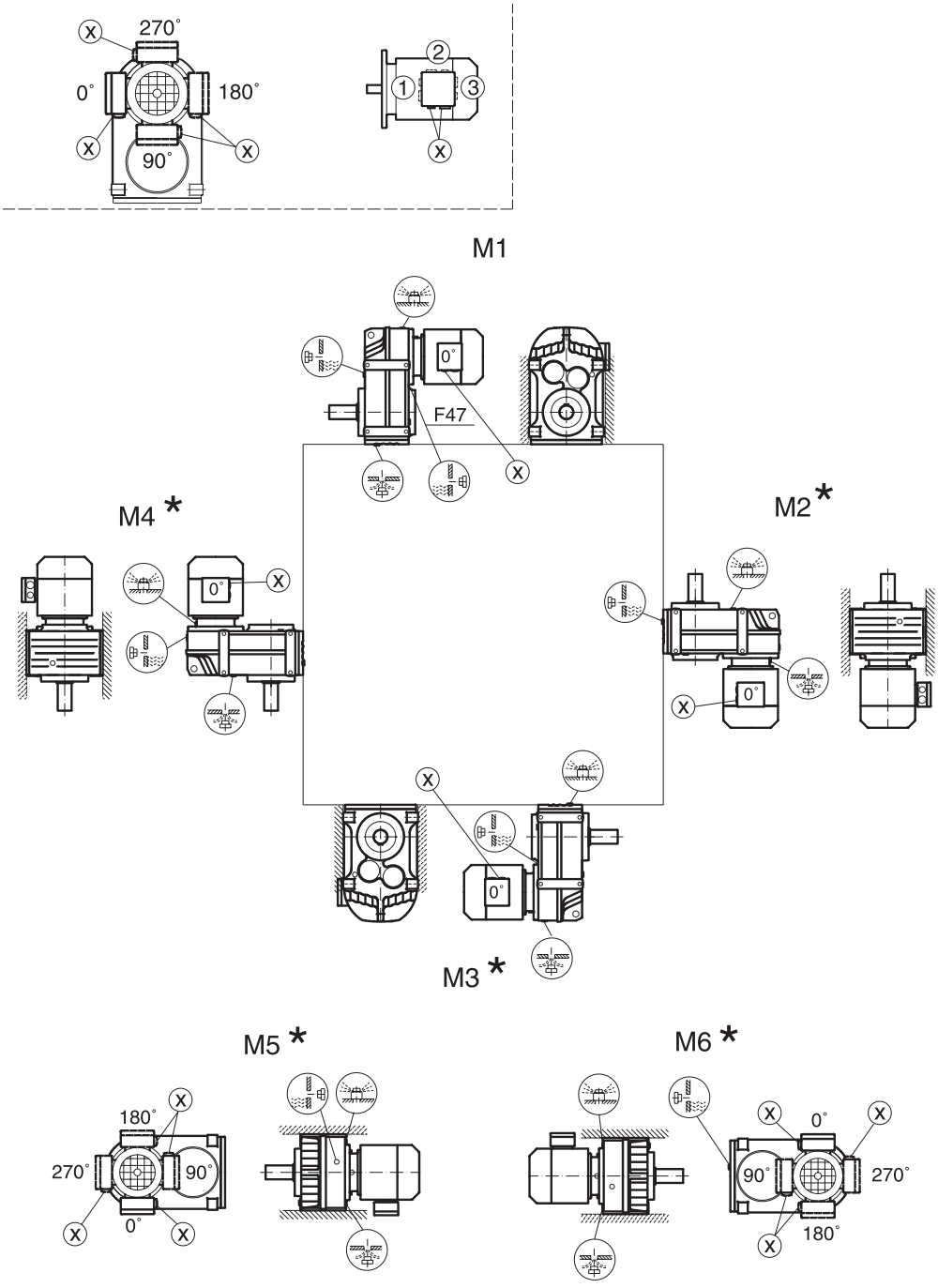
Mounting positions for parallel shaft helical geared motors

F/FA..B/FH27B-157B, FV27B-107B



F..27 M1, M3, M5, M6

F..27 M1 M6

F..27 M1, M3, M5, M6

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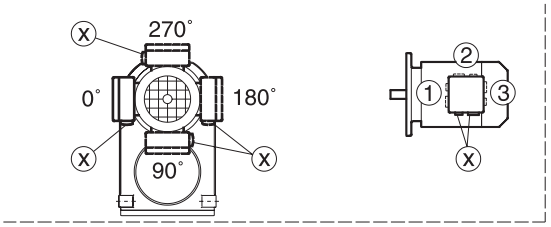
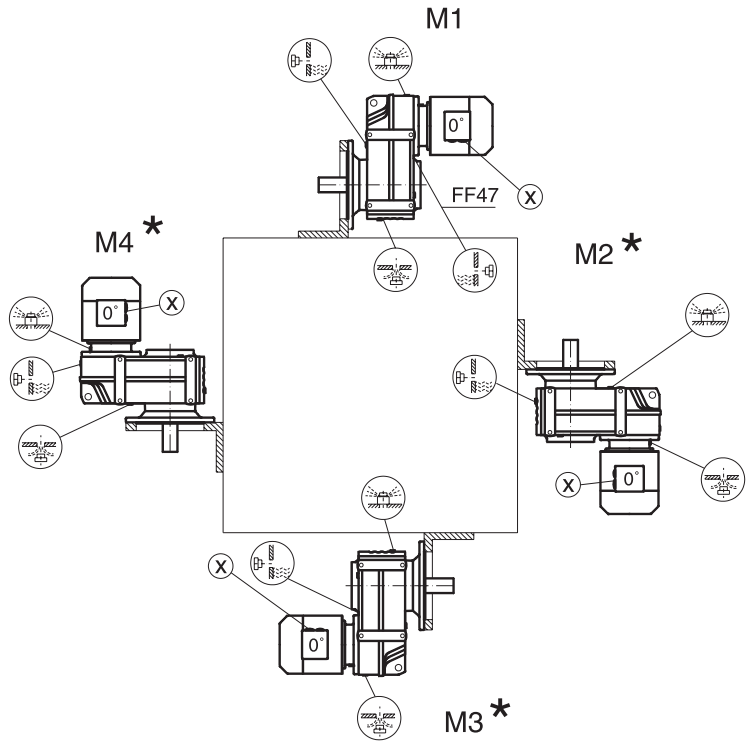
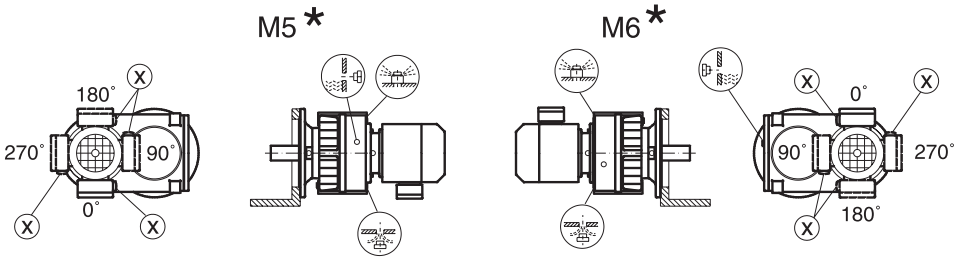
FF/FAF/FHF/FAZ/FHZ27-157, FVF/FVZ27-107







F..27  M1, M3, M5, M6

F..27  M1 M6

F..27  M1, M3, M5, M6

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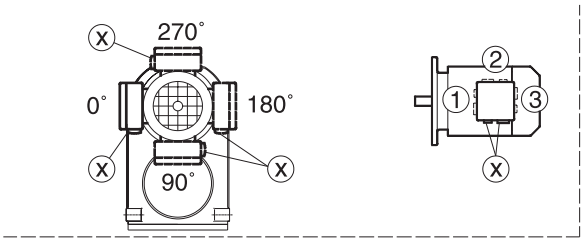
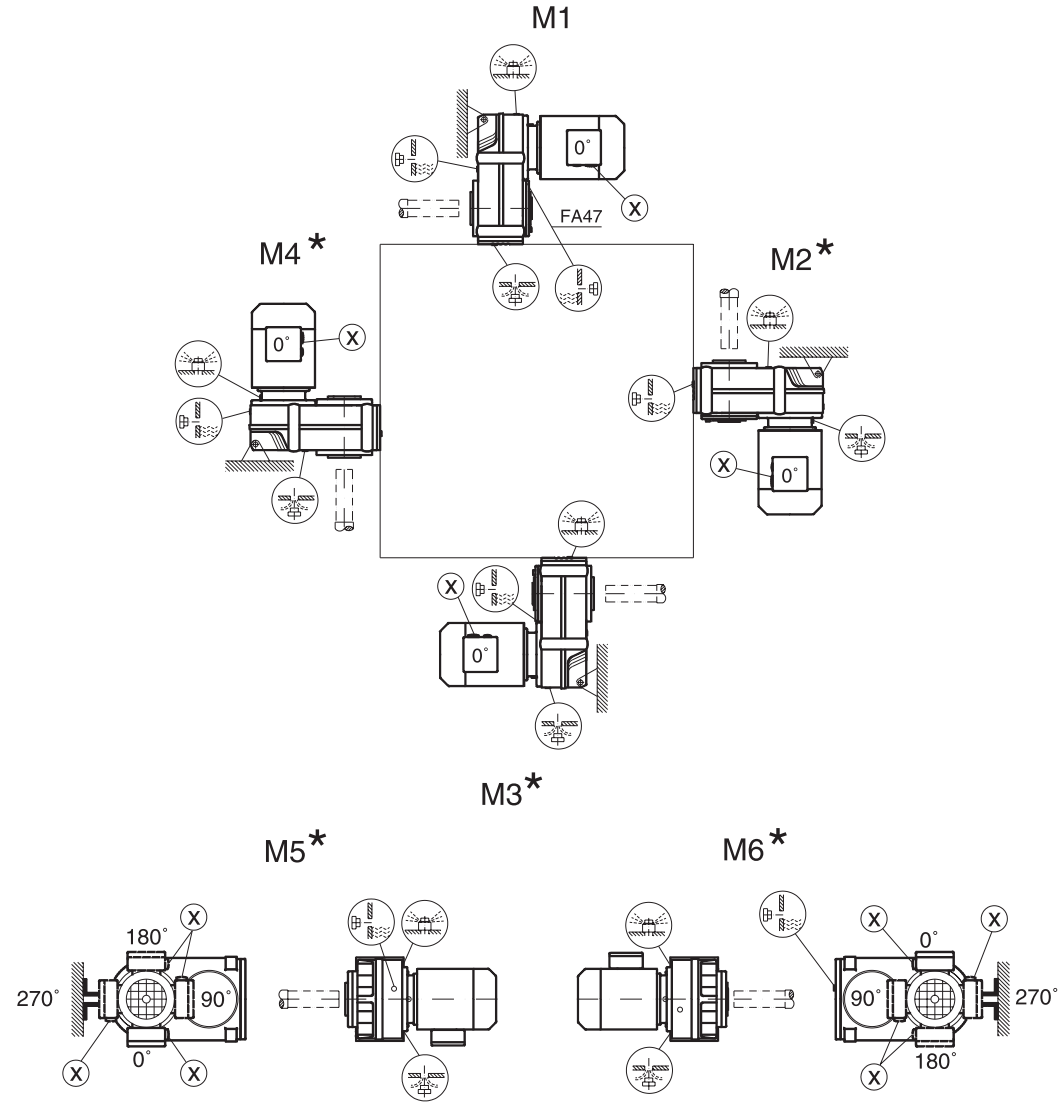
FA/FH27-157, FV27-107





F..27 M1, M3, M5, M6

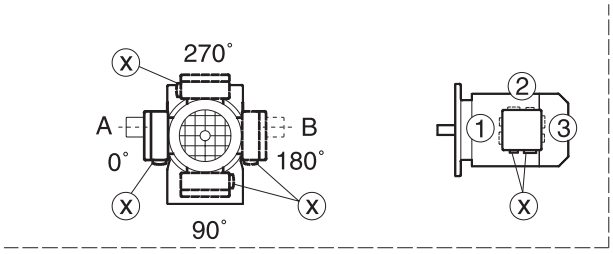
F..27 M1 M6

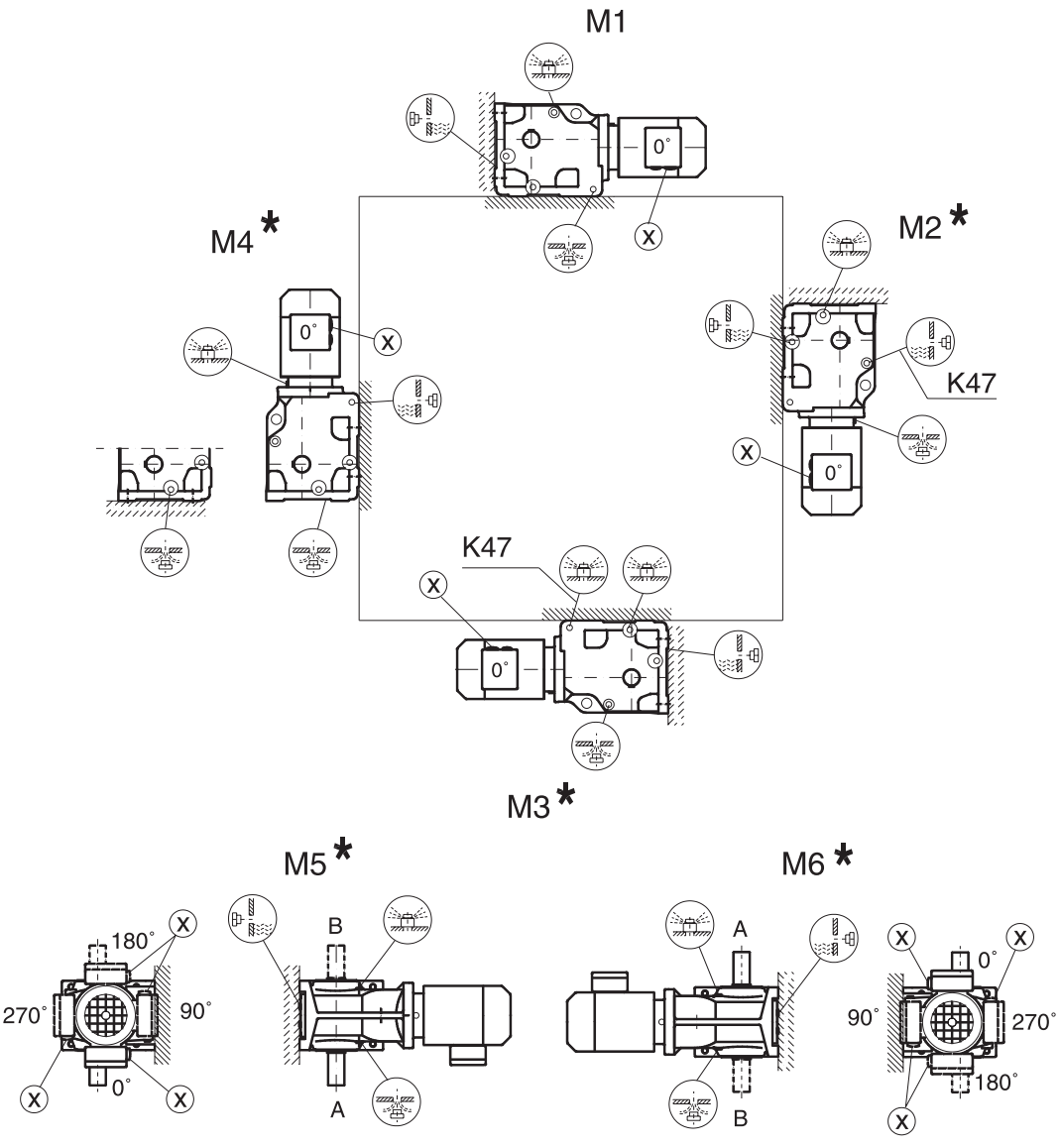
F..27 M1, M3, M5, M6

* → page 11

Mounting positions for helical-bevel geared motors

K/KA..B/KH37B-157B, KV37B-107B





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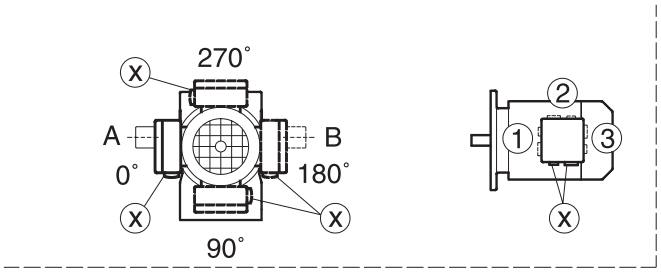
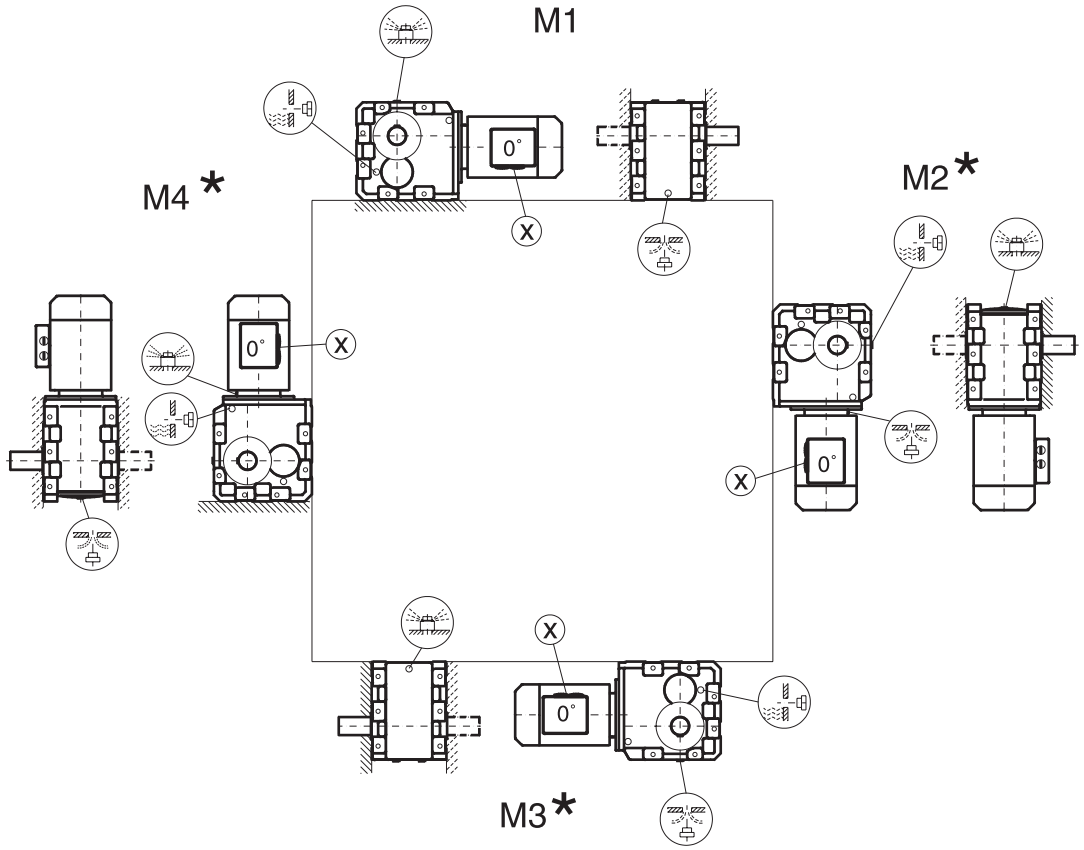
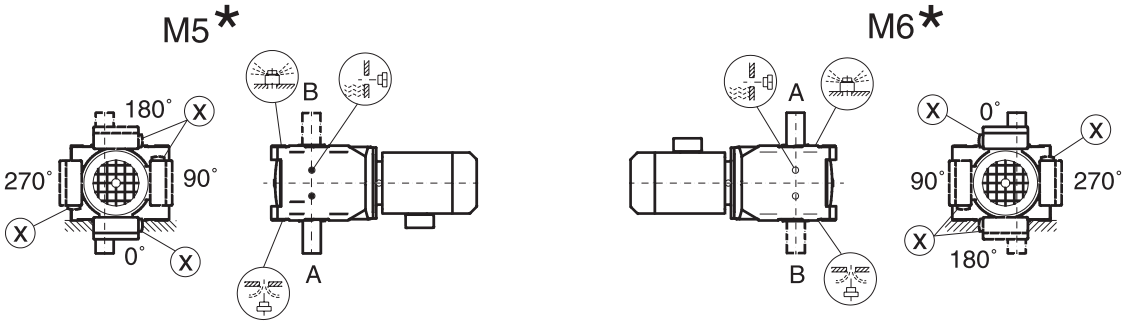
K167-187, KH167B-187B







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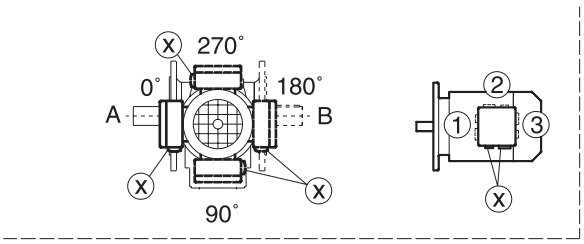
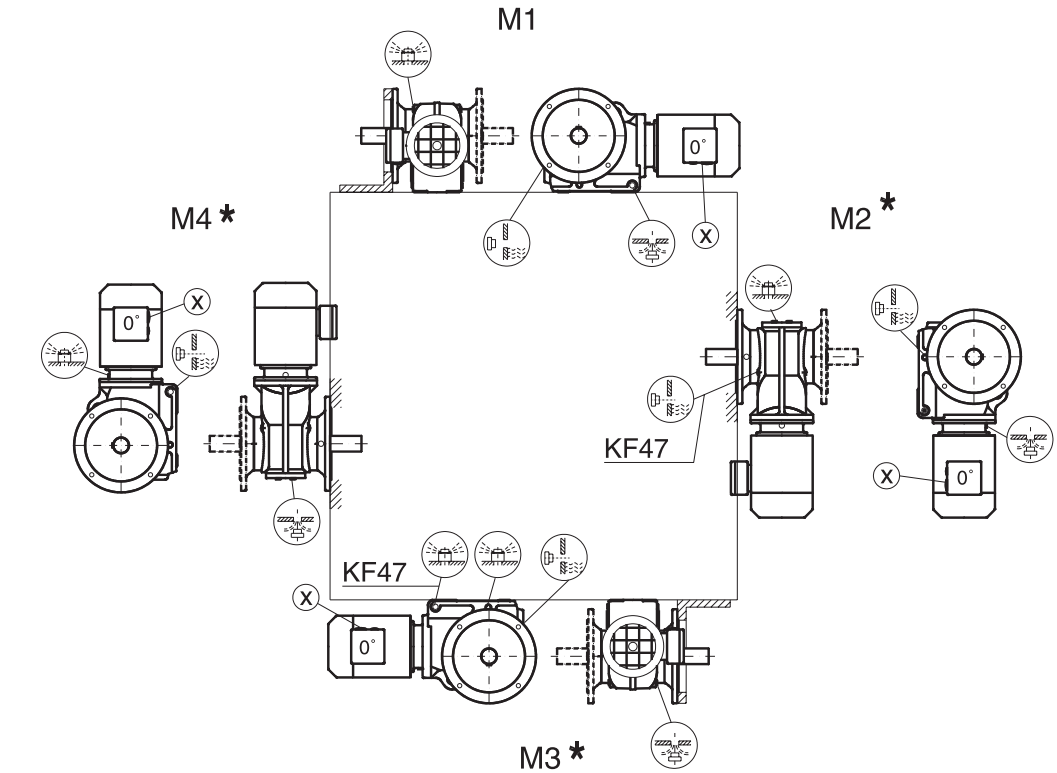
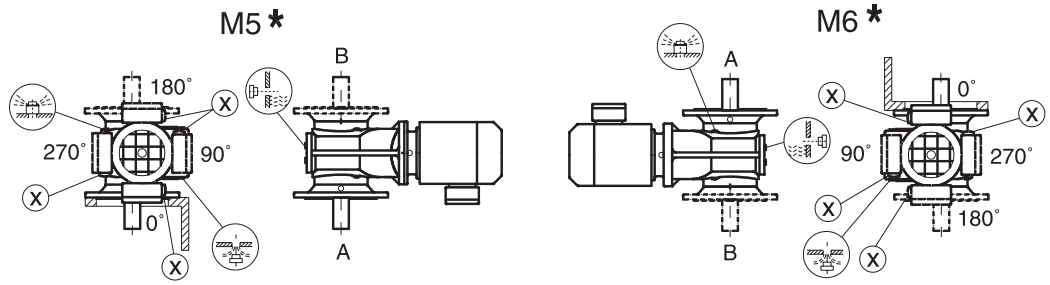
KF/KAF/KHF/KAZ/KHZ37-157, KVF/KVZ37-107







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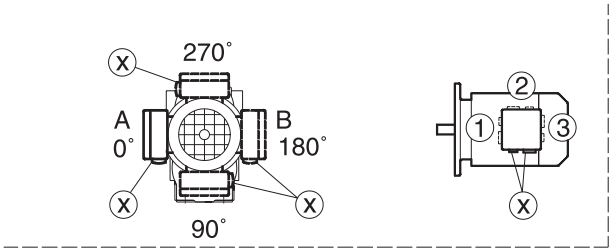
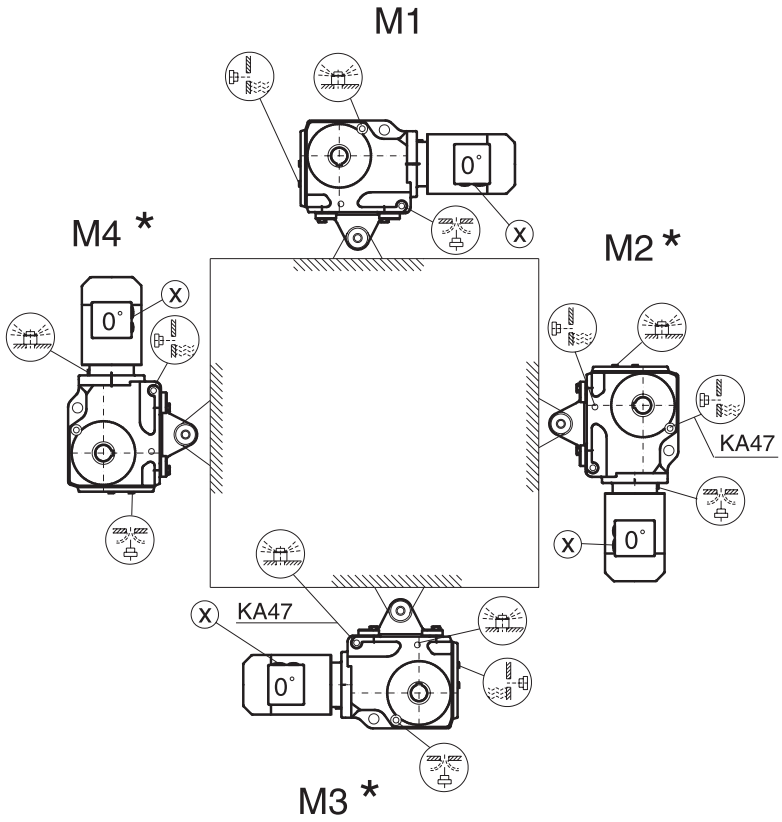
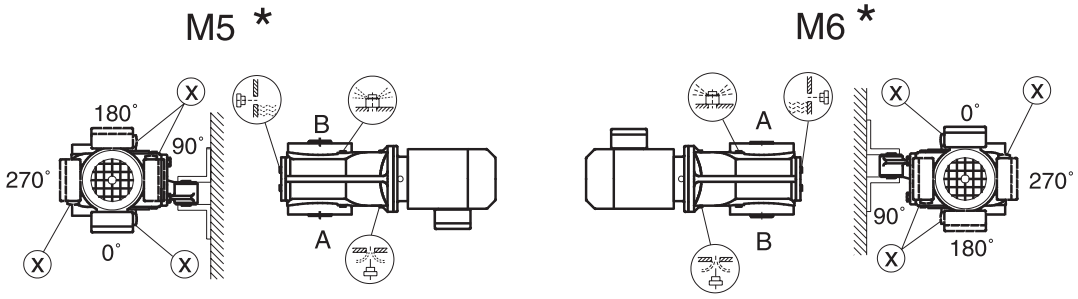
KA/KH37-157, KV37-107







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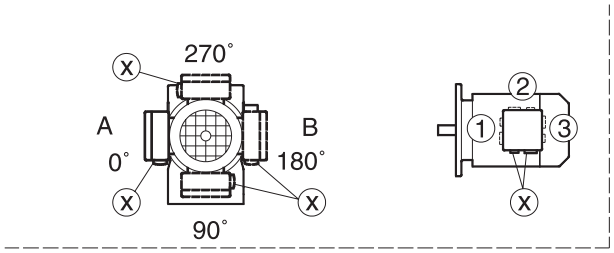
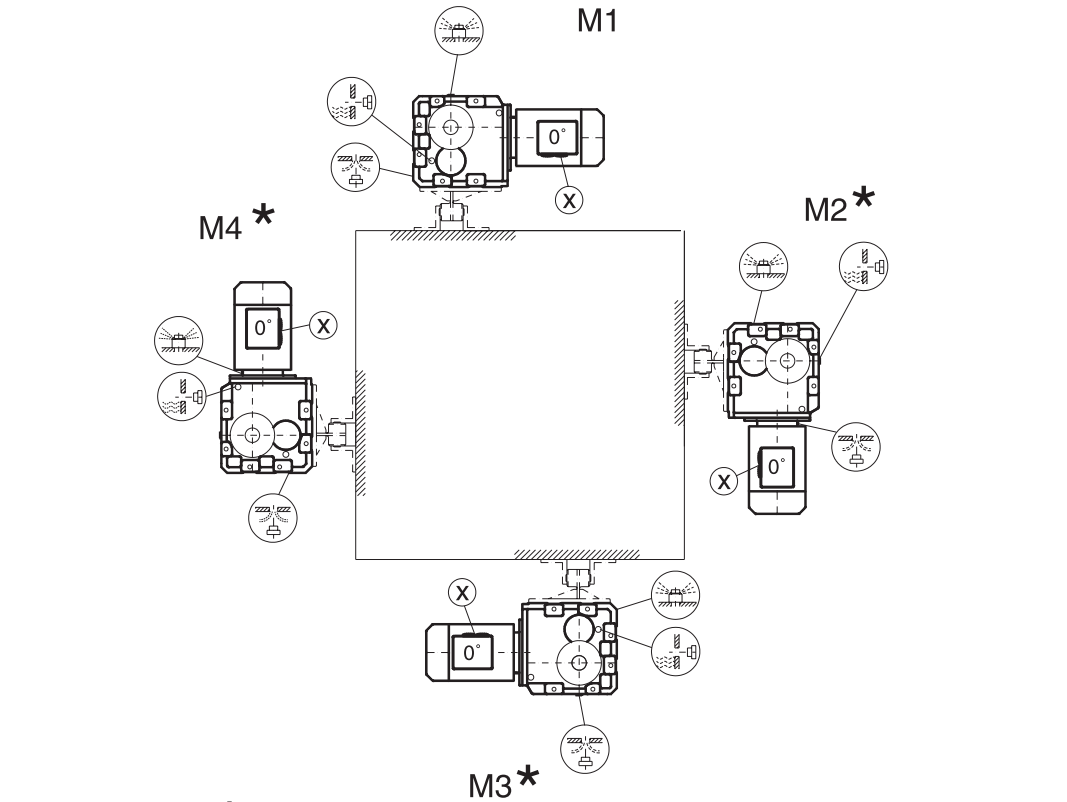
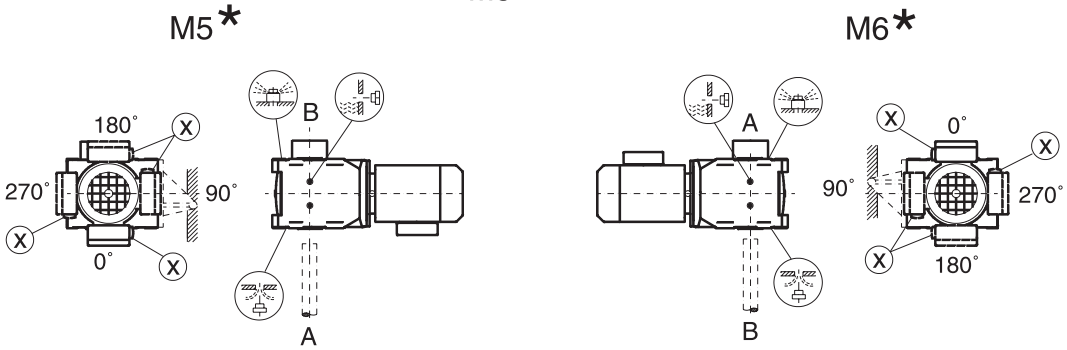
SEW EURODRIVE

KH167-187



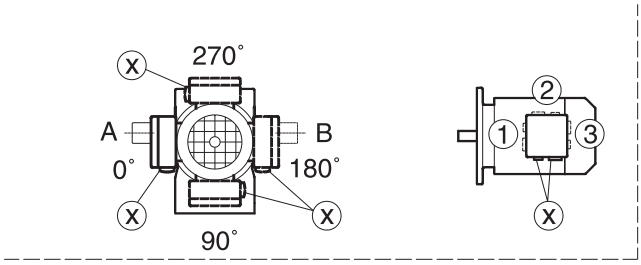


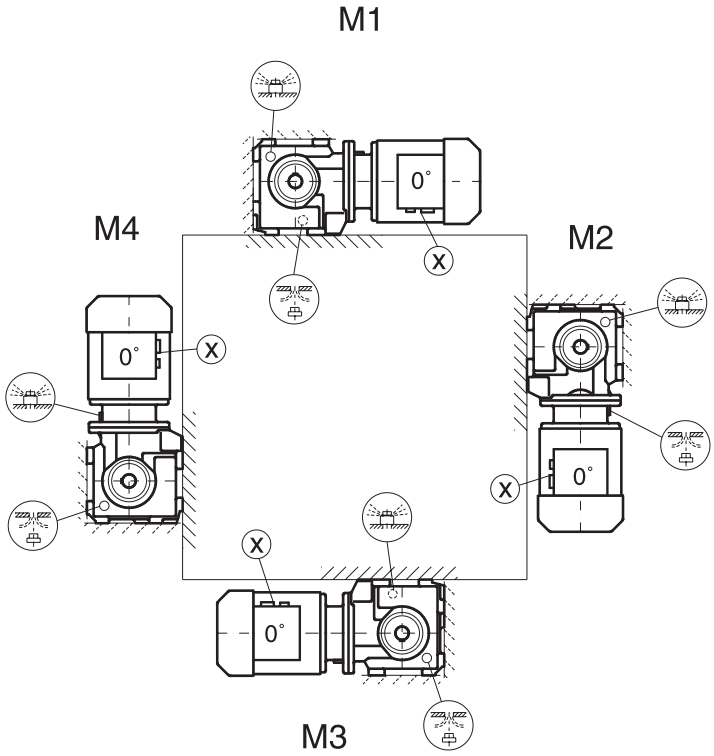


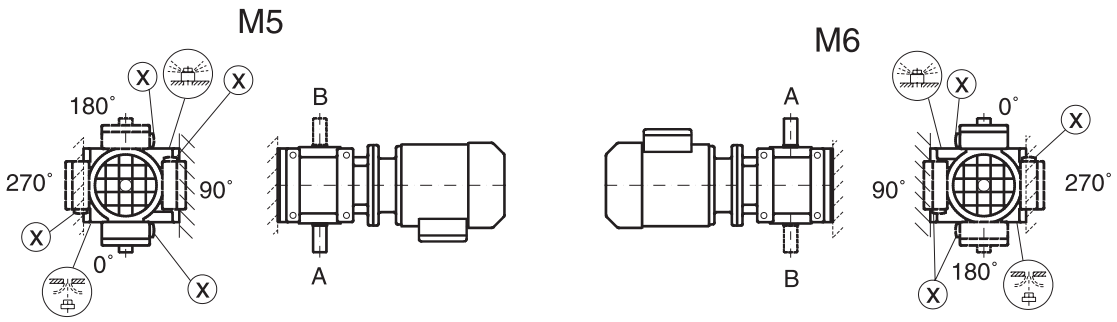
* → page 11

Mounting positions for helical-worm geared motors

S37







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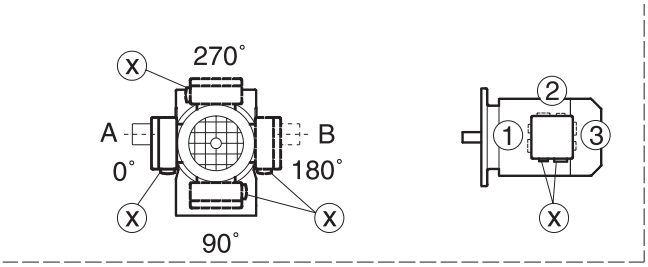
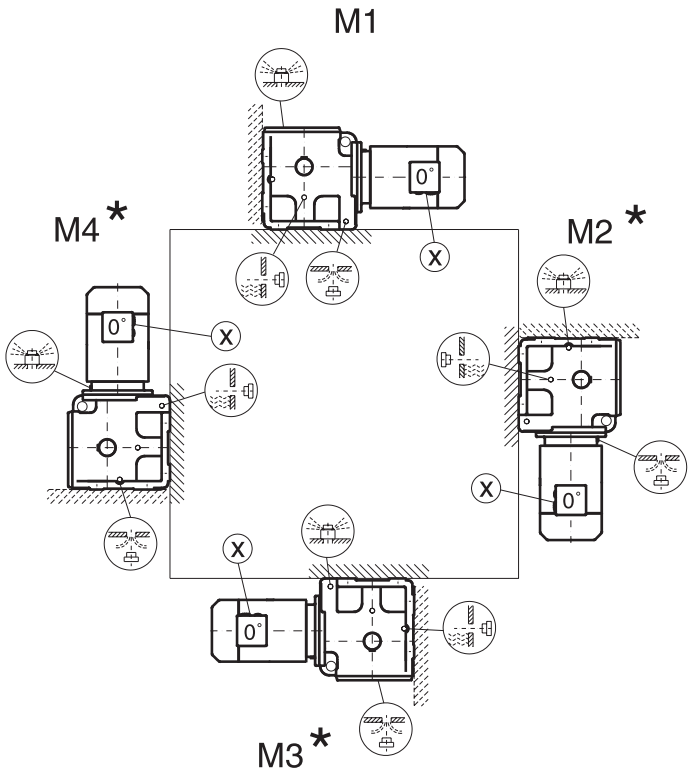
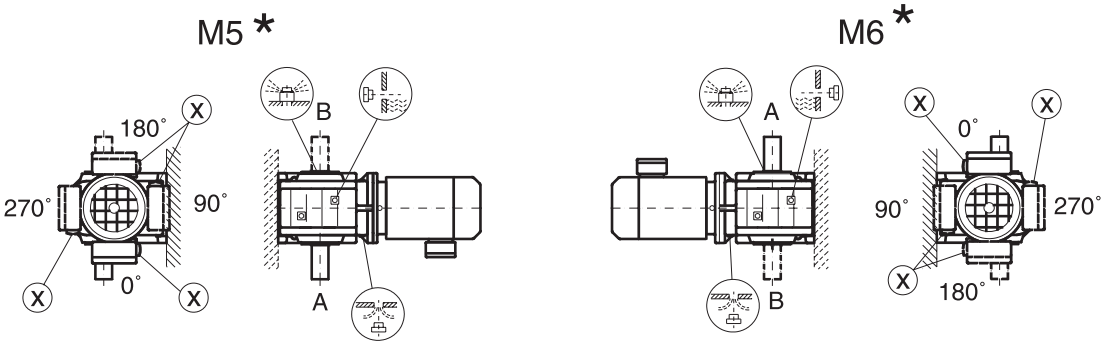
S47-S97

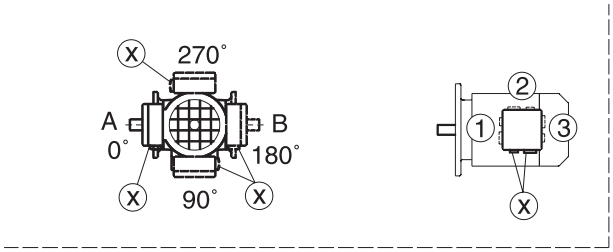


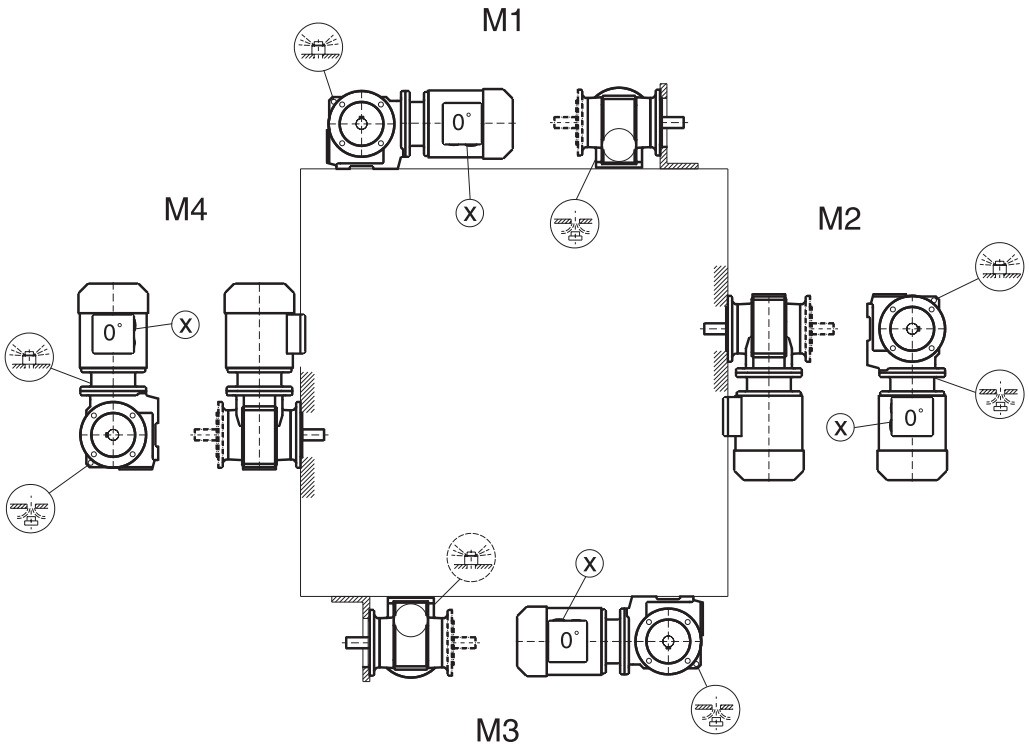


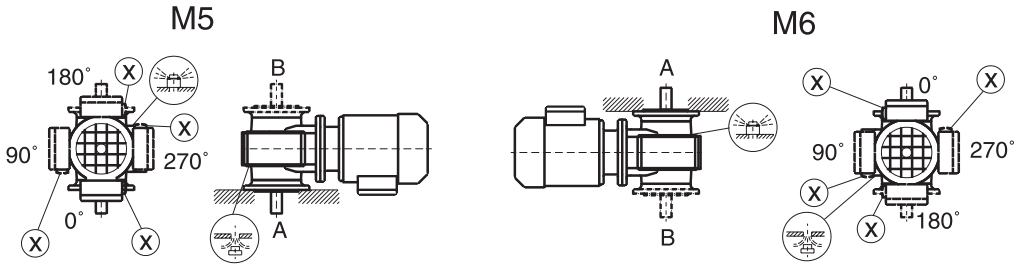


* → page 11

SF/SAF/SHF37







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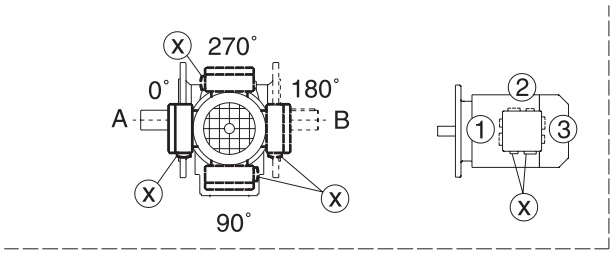
SF/SAF/SHF/SAZ/SHZ47-97



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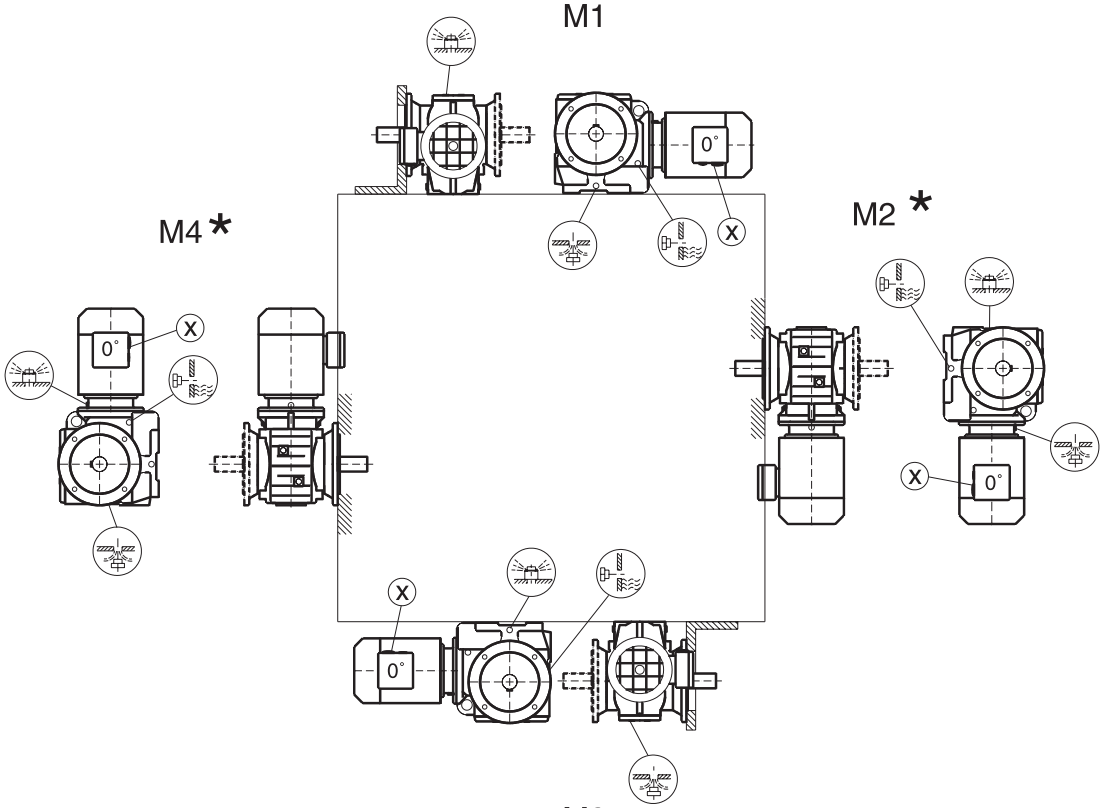

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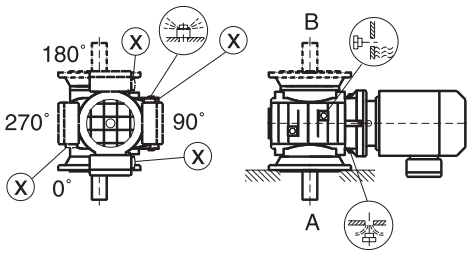

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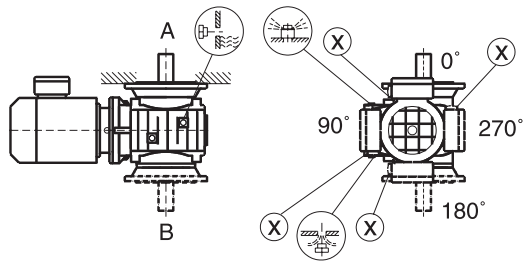

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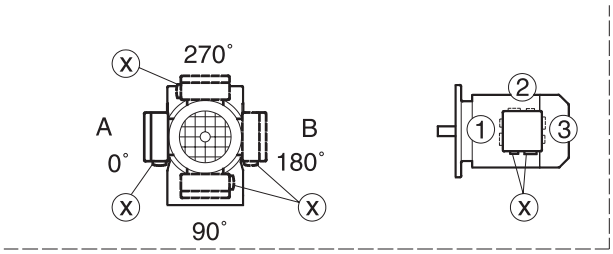
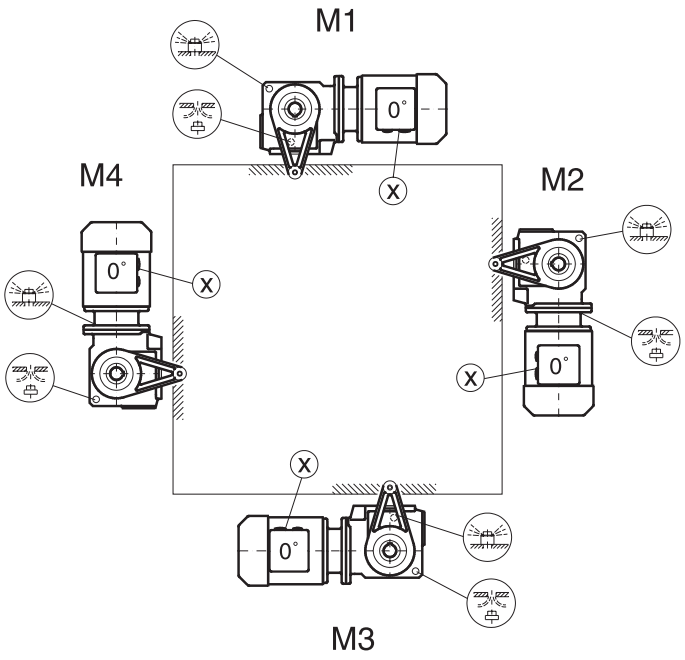
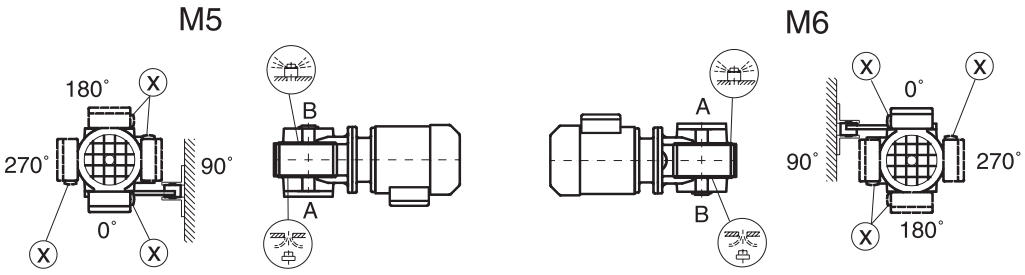
SA/SH37







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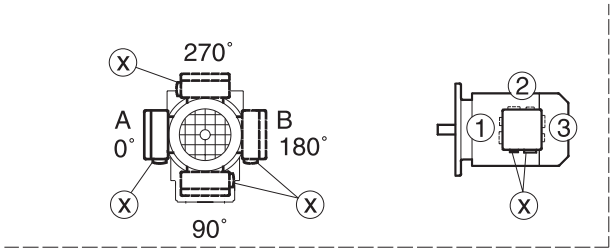
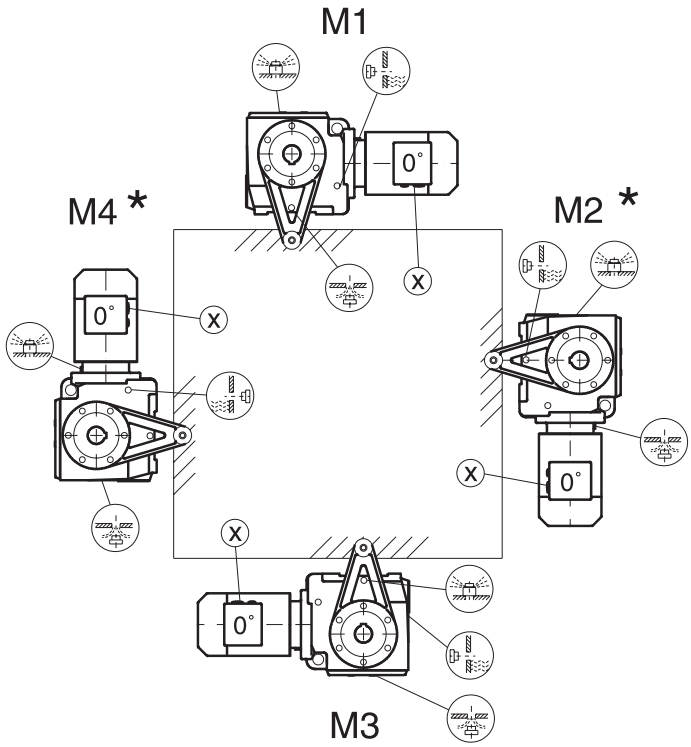
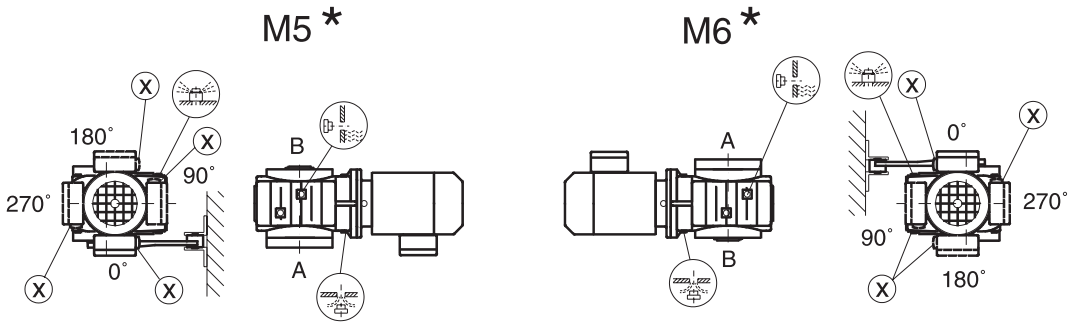
SA/SH47-97







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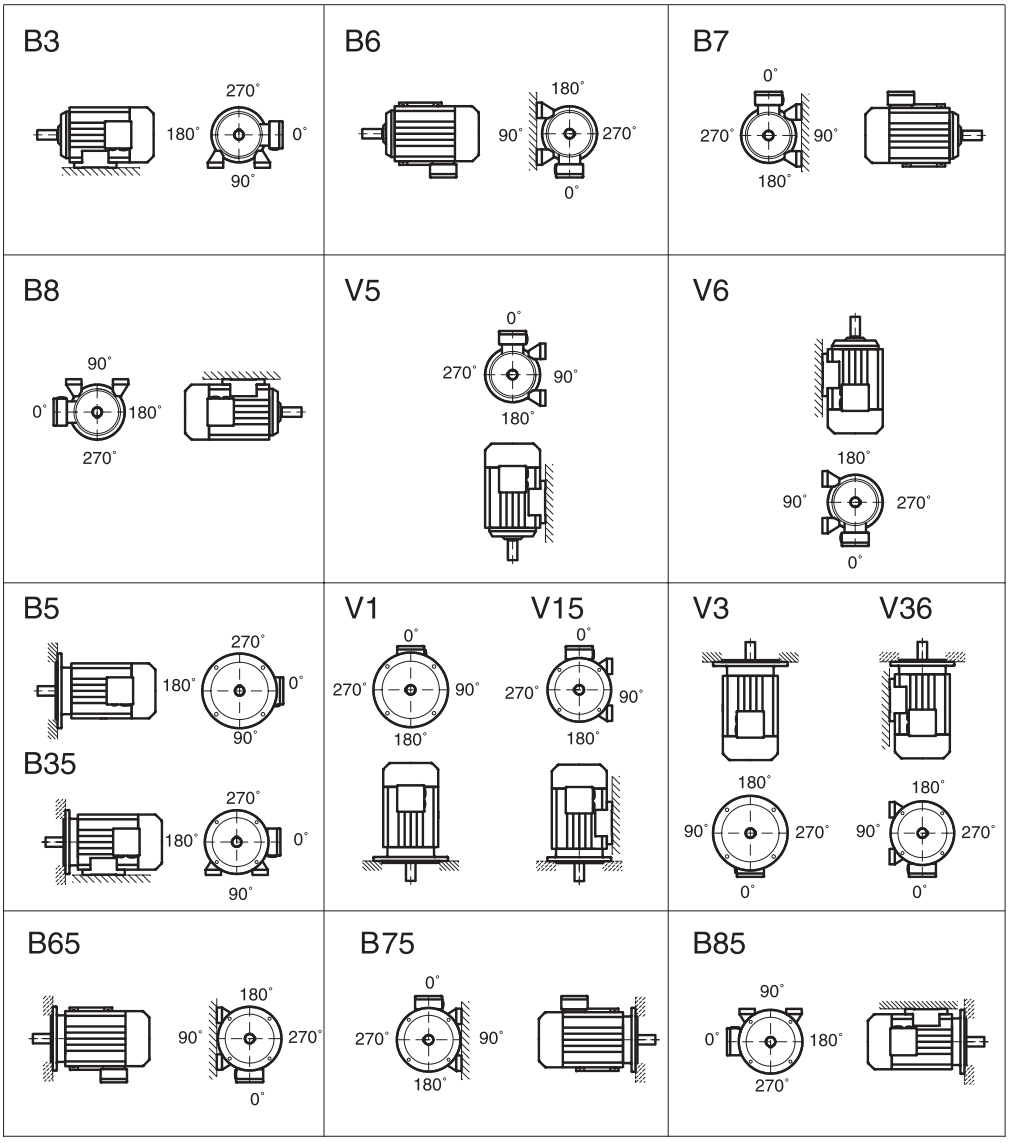
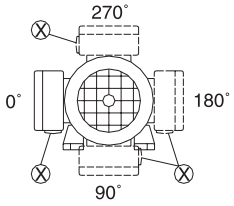
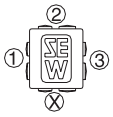
Mounting Positions for AC Motors



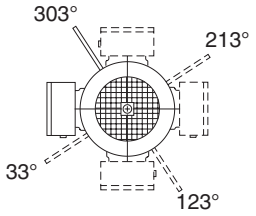
It is essential when ordering a motor to select a desired mounting position with the following details specified:

a. Position of the motor conduit box and cable entry:

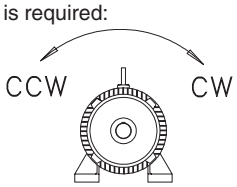




b. Position of the manual brake release for brakemotors. Not applicable to foot mounted DT71, DT90, DV132M or DV160L frame size brakemotors (303° only).



c. Direction of rotation of the output shaft if a backstop is required:



If these details are not specified then the motor will be supplied:

- Mounting Position — B3 or B5
- Conduit Box — 0°
- Cable Entry — X
- Brake Lever — 303°

Drive Selection Information

Drive Determination

Specific information is essential to precisely select a drive. The most important are listed below. If the information is not available in the form shown, please contact your SEW-Eurodrive representative for assistance.

- Output torque_____ lb-in.
- Output Horsepower _____ Hp
- Output Shaft Speed _____ rpm
- Overhung Load _____ lbs
- Axial Load_____ lbs
- Moment of Inertia to be Driven_____ lb-ft^2
- Special Ambient Temperatures or Altitudes
- Starting Frequency and Duty Cycle
- Mounting Position
- Power Supply Voltage and Frequency
- Brake Torque when required

Drive Selection

This catalog is divided into 6 major sections:

- Parallel Helical Gear Units
- ^{the}SNUGGLER® Helical Gear Units
- Helical-Bevel Gear Units
- Helical-Worm Gear Units
- Spiroplan® Gear Units
- Motors and Brakemotors

Each section contains appropriate information for:

- General Description
- Determination of Proper Service Factor
- Overhung Load Calculations
- Selection Tables
- Dimension Sheets
- Mounting Positions
- Weights
- Lubrication Tables

The Selection Tables for gearmotors are divided into two groups:

- **Gearmotors**
- **Gearmotors - Extreme Slow Speed**

Gearmotors

To make a selection from the Gearmotor Selection Tables a motor horsepower and output speed are required. On the selection page listing the required horsepower, choose the rpm nearest the desired speed. Verify that the Service Factor and Overhung Load for the selection is greater than or equal to the service factor and overhung load required for the application. Read across the page for the correct drive selection. If the Service Factor and/or Overhung Load value listed is less than required, a larger reducer may be required.

Gearmotors — Extreme Slow Speed

Drives in the Extreme Slow Speed Section of the Gearmotor Selection Tables are limited by the output torque capacity of the reducer rather than the motor horsepower. For this reason the selections must be made on the basis of the required torque and output rpm. The Service Factor for all listings is 1.0. If a higher service factor or overhung load rating is required, choose the next larger drive. Since the torque which the motor is capable of producing may be greater than the capacity of the reducer, the load requirement must not exceed the reducer rating. If the potential for excess loading exists, a torque limiting device should be used.

Reducers

If a stand alone reducer is required for the application the drive selection may be made from the Speed Reducer Catalog.

With SEW-Eurodrive modular construction many drive variations are possible. If a drive combination is not listed to satisfy your application requirements, contact your local SEW-Eurodrive representative.

Tolerances

The following tables contain shaft and flange tolerance data for all applicable dimensions detailed in this catalog. SEW-Eurodrive finishes output shaft extensions, hollowshaft bores, and flange centering shoulders to ISO tolerances.

Shaft Height D Dimension		
Diameter inch mm		Tolerance inch mm
≤	9.84 *250*	+0 / -0.020 *+0 / -0.5*
>	9.84 *250*	+0 / -0.039 *+0 / -1.0*

Note: On foot-mounted gear units, check to ensure that the motor does not project below the mounting surface.

Hollowshaft Diameter inch		Tolerance inch
over	to	
0.500	0.875	+.0007 / -0.0
0.875	1.9375	+.0010 / -0.0
1.9375	2.9375	+.0011 / -0.0
2.9375	4.000	+.0013 / -0.0
4.000	4.500	+.0018 / -0.0

Solid Shaft Diameter inch		Tolerance inch
over	to	
0.500	1.375	+0 / -.0005
1.375	7.5	+0 / -.0010

Diameter mm		Output Shaft U Dimension Tolerance mm		Hollowshaft Bore U Dimension Tolerance mm	*Flange Centering Shoulder AK Dimension Tolerance mm		**Customer Shaft UA and UH Dimension Tolerance mm
over	to	ISO k6	ISO m6	ISO H7	ISO j6	ISO h6	ISO h6
3	6	+.009 / +.001	—	+0.12 / +0	+.006 / -.002	—	+0 / -.008
6	10	+.010 / +.001	—	+0.15 / +0	+.007 / -.002	—	+0 / -.009
10	18	+.012 / +.001	—	+0.18 / +0	+.008 / -.003	—	+0 / -.011
18	30	+.015 / +.002	—	+.021 / +0	+.009 / -.004	—	+0 / -.013
30	50	+.018 / +.002	—	+.025 / +0	+.011 / -.005	—	+0 / -.016
50	80	—	+.030 / +.011	+.030 / +0	+.012 / -.007	—	+0 / -.019
80	120	—	+.035 / +.013	+.035 / +0	+.013 / -.009	—	+0 / -.022
120	180	—	+.040 / +.015	+.040 / +0	+.014 / -.011	—	+0 / -.025
180	250	—	+.046 / +.017	+.046 / +0	+.016 / -.013	—	+0 / -.029
250	315	—	+.052 / +.020	+.052 / +0	—	+0 / -.032	+0 / -.032
315	400	—	+.057 / +.021	+.057 / +0	—	+0 / -.036	+0 / -.036
400	500	—	+.063 / +.023	+.063 / +0	—	+0 / -.040	+0 / -.040

* Up to three different flange dimensions are available for each size of helical gear unit, Spiroplan® gear unit, and AC (brake) motor. The possible flanges per size are indicated in the relevant dimension sheets.

** For use with shrink disc applications.

SEW-Eurodrive AC motors and brakemotors comply electrically with all the relevant standards including NEMA standard MG1. The efficiency and losses as shown in the motor data of this catalog is determined in accordance with IEEE Standard 112, Test Method B per NEMA MG1-12.58-1998. SEW-Eurodrive AC motors and brakemotors meet the thermal standards of all foreign regulations provided the appropriate permissible temperature rise is not exceeded. Please refer to Table 1. NEMA code letters per MG1-10.37.2-1998 for locked rotor KVA are shown in Table 2.

Table 1

Regulations	Ambient Temperatures °C	Permissible temperature rise above the air cooling temperature in °C (measured by change in resistance) B	F
DIN 57530 Part 1/11.72	40	80	105
England BS 2613/70	40	80	105
Canada CSA	40	80	105
USA NEMA	40	80	105
USA ANSI	40	80	105
Italy CEI	40	80	105
Sweden SEN	40	80	—
Norway NEK	40	80	—
Belgium NBN	40	80	105
France NF	40	80	105
Switzerland SEV	40	80	105
IEC 34-1	40	80	105
India IS	40	80	—
Germanischer Lloyd	45	75	95
American Bureau of Shipping	50	75[1)]	95
Bureau Veritas	50	70	90
Norske Veritas	45	70	—
Lloyds Register	45	70	90
RINA	50	70	—
PRS Polski Rejester Statkow	50	70	90

[1)] Resistance method acceptable only by agreement (Thermometrically 10K less)

Table 2

Code letters for Locked Rotor KVA

Code	LRKVA/Hp
A	0.0 — 3.14
B	3.15 — 3.54
C	3.55 — 3.9
D	4.0 — 4.4
E	4.5 — 4.9
F	5.0 — 5.5
G	5.6 — 6.2
H	6.3 — 7.0
J	7.1 — 7.9
K	8.0 — 8.9
L	9.0 — 9.9
M	10.0 — 11.1
N	11.2 — 12.4
P	12.5 — 13.9
R	14.0 — 15.9
S	16.0 — 17.9
T	18.0 — 19.9
U	20.0 — 22.3
V	22.4 and up

$$\text{Locked Rotor Amps} = \frac{\text{Starting LRKVA/Hp} \times \text{Hp} \times 1000}{\text{Rated Volts} \times 1.732} \quad \text{for 3 phase motors}$$

SEW-Eurodrive gear units may be service factored using criteria set forth in the various AGMA Standards.

For: a) Parallel Helical (type R and F) gearmotors.
b) Right angle Helical-Bevel (type K) gearmotors.

AGMA uses service classes I, II, and III, which are based on:

Class I: Steady loads not exceeding normal rating and 8-10 hours running time per day.
Service Factor 1.0 minimum

Class II: a. Steady loads not exceeding normal rating and 24 hours running time per day.
b. Moderate shock loads, not exceeding 1.25 × Rated Load Torque and 8-10 hours running time per day.
Service Factor 1.4 minimum

Class III: a. Moderate shock loads, 1.25 × Rated Load Torque and 24 hours running time per day.
b. Heavy shock loads, exceeding 1.25 × Rated Load Torque and 8-10 hours running time per day.
Service Factor 2.0 minimum

Reference AGMA Standard 6019-E89 for Service Class listings by application.

AGMA uses service factors for electric motors, turbines, and hydraulic motors as listed by the chart below.

In the chart, the reducer loading may be classified as follows:

(1) Uniform Load. Recurrent shock loads do not exceed the nominal specified input or prime mover power.

(2) Moderate Shock Load. Recurrent shock loads do not exceed 1.25 × the nominal specified input or prime mover power.

(3) Heavy Shock Load. Recurrent shock loads do not exceed 1.50 × the nominal specified input or prime mover power.

(4) Extreme Shock Load. Recurrent shock loads do not exceed 1.75 × the nominal specified input or prime mover power.

NOTE: The magnitude of any recurrent shock loads should be estimated or determined through test by the system designer. Recurrent shock loads can be of such a short duration that they may not be reflected in motor amperage readings. In these cases actual loads are usually determined by strain gaging the driven shaft of the machine.

Duration of Service (Hours per Day)	Uniform Load	Moderate Shock	Heavy Shock	Extreme Shock
Occasional .5 hour	—	—	1.00	1.25
Less than 3 hours	1.00	1.00	1.25	1.50
3-10 hours	1.00	1.25	1.50	1.75
Over 10 hours	1.25	1.50	1.75	2.00

When the prime mover is a single or multi-cylinder engine, the service factors must be modified by the following:

Steam and Gas Turbines, Hydraulic or Electric Motor	Single Cylinder Engines	Multi-Cylinder Engines
1.00	1.50	1.25
1.25	1.75	1.50
1.50	2.00	1.75
1.75	2.25	2.00
2.00	2.50	2.25
2.25	2.75	2.50
2.50	3.00	2.75
2.75	3.25	3.00
3.00	3.50	3.25

Starting conditions where peak loads exceed 200% of rated load and applications with frequent starts and stops require special load analysis.

Service Factor listings by application may be found in:

AGMA 6010-E88 for types R, F and K reducers.
AGMA 6034-B92 for type S reducers and gearmotors.

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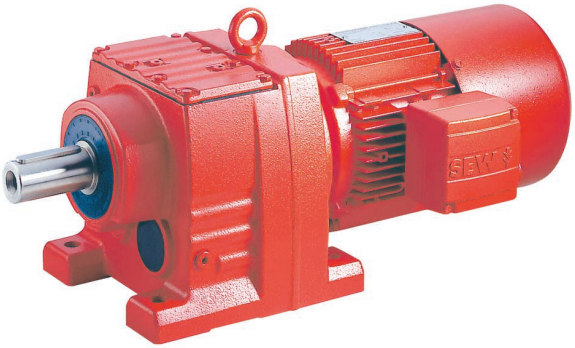
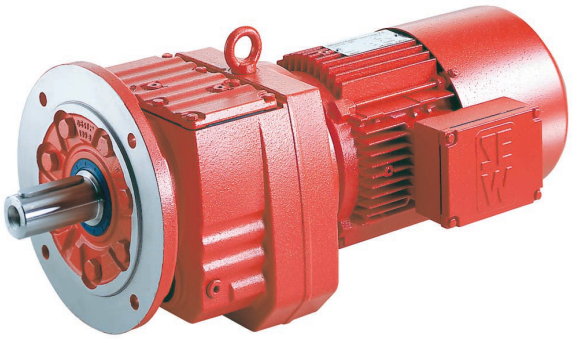
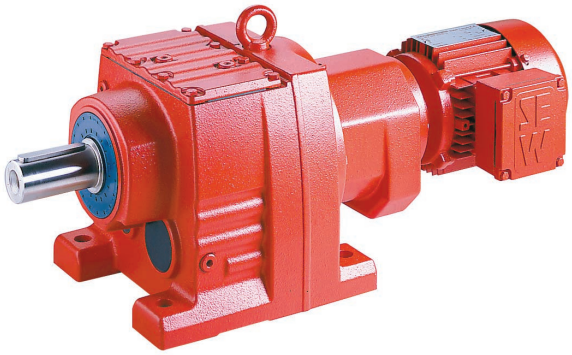


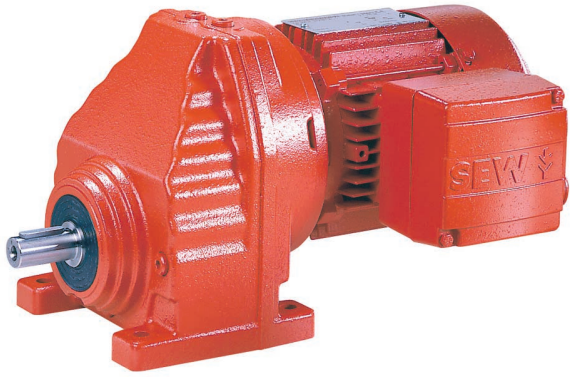
R..DT../DV..BM(G)



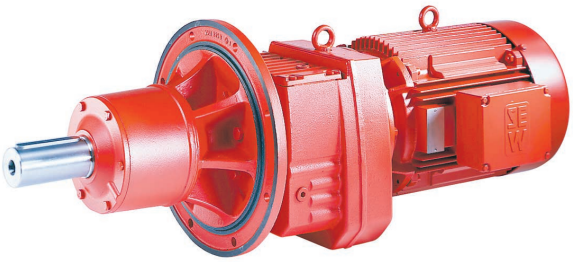
RF..DT../DV..



R..R..DT../DV..



RX..DT../DV..



RM..DT../DV..

Introduction

The SEW-Eurodrive Parallel Helical Gear Units are designed for continuous duty under difficult operating conditions. Only materials of the highest quality are used in the manufacture of the units. These units have the following standard construction features:

- Helical gearing in compliance with ANSI/AGMA Standard 2001-B88.
- Gears are carburized to a hardness of 58 - 62 R_C for durability.
- Gearcase and flanges of high strength gray cast iron SAE Class 30.
- Double-lip oil seals on output shaft with additional inner seal made of Viton®.
- Captured keys on input and output shafts.
- Foot mounted, flange mounted, or foot/flange mounted.

Efficiency

The efficiency of the gear units is primarily determined by the gearing and bearing friction, and ranges from approximately 95% for 3 stages of gear reduction to 98% for single stage gear reduction.

Output Power, Torque, and Speed

The details on power, torque, and speed given in the selection tables always refer to the mounting position M1 or similar mounting position for standard features, standard ambient conditions, and standard lubricants. The output speeds have been rounded up or down. The actual output speed may vary slightly due to the motor frame size, the loading, or the supply voltage.

Design Variations

In addition to the foot or flange mount versions shown in the accompanying pages, the Parallel Helical Gear Units type R37-R87 are also available with the combination foot/flange mount. Additionally more than one flange size may be available for the flange mounted version. Please see the respective dimension pages for available flange sizes.

These gear units are available with an extended output shaft bearing housing designated as RM. The RM gear units are primarily used for agitation applications. With the exception of output overhung and axial loads the data of the RM gear units corresponds to those of the R-series of the same size.

Additional features available for the Parallel Gear units are:

- Adapters for IEC or NEMA C-Face motors.
- Adapters for mounting servomotors.
- Motor mounting platforms and scoops.
- Adapters for torque limiting couplings.
- Corrosion protection.

Please contact your SEW-Eurodrive representative for additional information.

Abbreviations

The following abbreviations are used in the selection tables:

f_B	Service Factor
F_{Ra}	Permissible output overhung load (lb) at the midpoint of the output shaft extension
F_{Re}	Permissible input overhung load (lb) at the midpoint of the input shaft extension
i	Gear unit ratio
n_a	Output speed in rpm
n_e	Input speed in rpm
P_a	Rated output power (Hp)
P_e	Calculated power input into the gear unit (Hp) P_e is calculated from $T_{a\ max}$ by taking into account the gear units' efficiency under standard operating conditions. For calculated P_e less than .2Hp, a dash (—) is shown in the respective selection tables since the actual values are subject to large variations.
P_n	Motor rated power (HP)
T_a	Output torque (lb-in.) with reference to the driving motor
$T_{a\ max}$	Maximum permissible output torque (lb-in.) at $f_B = 1.0$

Dimension Page Notes

The dimensions shown for the motors of frame size greater than 225 may vary slightly. Please have these dimensions confirmed when ordering these units.

The dimension sheets are valid for standard units with various basic features. In particular, motor accessories such as canopies, ventilators, etc. will alter the basic dimensions. Please refer to the respective accessory dimension pages for additional dimensions.

The Parallel Helical Gear Units from size 67, as well as motors from frame size DV112 are supplied with lifting eye bolts which can be removed. Smaller gear units and motors do not have lifting eye bolts.

Certified dimension sheets are available from your SEW-Eurodrive Assembly Center.

Viton® is a registered trademark of DuPont Dow Elastomers

Unit Selection

In order to select the most suitable gear unit it is essential that a thorough knowledge of the characteristics of the driven machine are known. The gear units are normally designed for constant torque load and only a few starts/stops. If these conditions do not exist, it is necessary to determine a service factor, f_B, from the start/stop frequency, Load Class, and the daily operating time as shown in the diagram below.

For gearmotors, the appropriate service factor taken from the diagram is then compared with the service factor given with each speed/power combination listed in the gearmotor selection tables. To ensure a long, trouble free service life it is essential that the unit selected has a service factor equal to, or greater than, that determined from the diagram.

Load Classification

I = Uniform load. Permissible inertia acceleration factor ≤0.2

II = Moderate shock load. Permissible inertia acceleration factor ≤3.0

III = Heavy shock load. Permissible inertia acceleration factor ≤10

For inertia acceleration factor > 10, please contact your nearest SEW-Eurodrive representative.

$$\text{Inertia acceleration factor} = \frac{J_L}{J_m}$$

Where: J_L = Reflected Load Inertia
J_m = Motor Inertia

All external load inertias, J, must be reflected back to the input side of the gear unit.

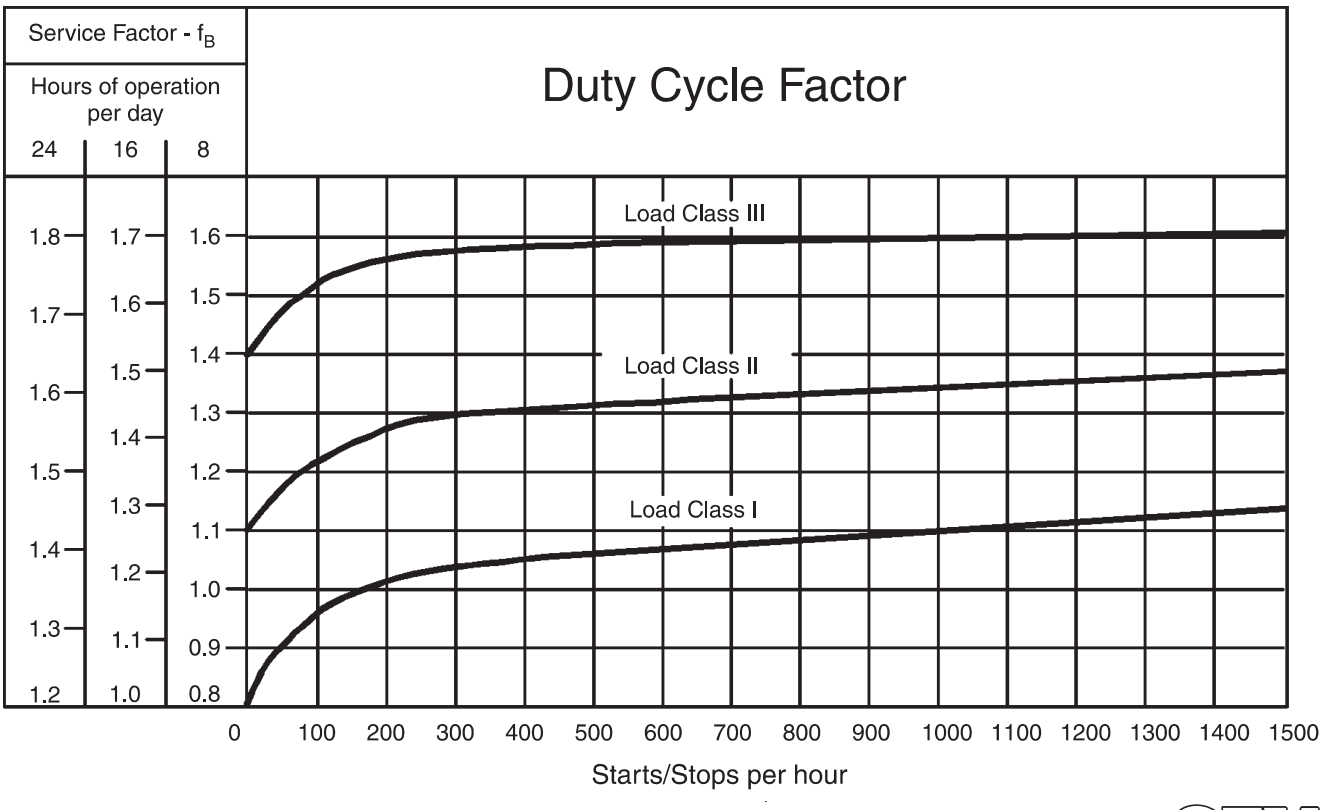
$$\text{Example: } J_L = J \times \frac{1}{(\text{Gear Ratio})^2}$$

Included in the number of starts and stops per hour must be all regenerative brake actions and the speed changes from high to low speed as experienced with multi-speed motors.

Example: Load Class I with 200 starts and stops per hour and operating time of 24 hours per day gives f_B = 1.36.

AGMA

For Service Factors using AGMA criteria, please refer to the guidelines on page 35.



Overhung Loads, OHL, are a combination of live loads acting at right angles to the drive shaft caused by gears, sprockets, pulleys, couplings, etc. as well as dead loads applied directly on the shaft.

These overhung loads subject shaft bearings and shafts to stresses which, if exceeded, may cause premature failure of bearings and/or shaft breakage from bending fatigue

Determination of Overhung Load - OHL

When determining the resulting overhung load, the type of transmission element mounted on the shaft end must be considered and a transmission element factor, f_z, must be included. The overhung load exerted on the output or input shafts can be calculated from the following formula. The resultant overhung load F must not exceed the permissible overhung load for the selected gear unit.

$$F = \frac{2T}{d_o} \cdot f_z$$

F = equivalent OHL in lbs.
T = load torque on the drive in lb-in.
d_o = pitch diameter of the gear, sprocket, or sheave in inches
f_z = transmission element factor

The transmission element factor, f_z, takes into account an additional radial force that is imposed on the shaft due to the type of transmission element: gear, chain sprocket, or sheave. There are gear teeth separating forces, pre-tensioning of belts, etc. that must be taken into account to determine the total equivalent radial loads. From applicational experience the following values of f_z should be used:

Transmission Element	Comments	f_z Factor
Spur or helical gears	≥ 17 teeth	1.0
	< 17 teeth	1.15
Chain sprockets	≥ 20 teeth	1.0
	< 20 teeth	1.25
	< 13 teeth	1.4
V-belt pulleys		1.75
Flat belt pulleys		2.5
Timing belt pulleys		1.3

Permissible Output Shaft Loads

The output shaft of the SEW-Eurodrive gear units are capable of accepting the axial and radial loads normally encountered by the mounting of gears, chain sprockets, belt pulleys, and shaft couplings. The permissible OHL under the most unfavorable conditions which can be applied at the midpoint of the shaft extensions is shown in the respective speed/power selection tables as F_{Ra} in lbs. When the force is not applied at the midpoint of the shaft extension, the F_{Ra} value must be adjusted according to the OHL conversion formulas.

It is possible in some instances for the OHL capacity to be substantially increased if the exact direction of the radial force is known or by substituting roller bearings in place of the deep groove ball bearings which support the output shaft. In such instances it is essential that full details be given to our engineering department to check the suitability of the unit selected.

Except for the gear unit sizes R/RF147 and 167, an axial force, F_A, up to approximately 50% of the permissible OHL, F_{Ra}, can be accommodated. However, if the axial force exceeds this value substantially or if there is a combination of both radial and axial loads, please submit full details to our engineering department.

Output OHL Conversion

If the resultant OHL acts at a point other than at the midpoint of the output shaft extension, the permissible OHL, F_X, must be determined at the application point of the load according to the following formula:

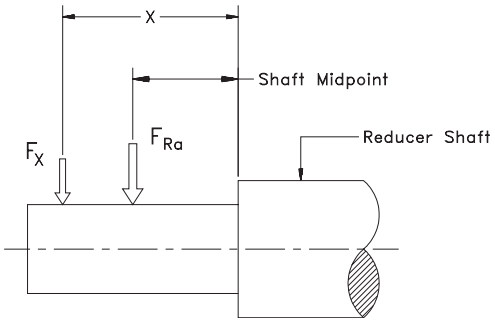
F_{Ra}-(lb.) Permissible overhung load at the midpoint of the output shaft extension—see selection tables.
X-(in.) Distance from the shoulder on the output shaft to the application point of load.
F_X-(lb.) Permissible overhung load at the point X
a-(lb-in.) Gear unit constant - see chart for values.
b,c,d-(in.) Gear unit constant - see chart for values.

The permissible OHL is the smaller of the two values obtained from the following formulae, F_{XL} and F_{XW}, and is denoted as F_X. The permissible OHL, F_X, **must be** greater than the calculated equivalent overhung load, F.

Permissible OHL, $F_{XL} = F_{Ra} \cdot \frac{c}{d + x}$ (lb)

Permissible OHL based on shaft stress, $F_{XW} = \frac{a \cdot 10^3}{b + x}$ (lb)

Note: F_{XW} applies only when reducer torque, T_a, is maximum.



Frame Size	a lb-in.	b in.	c in.	d in.
RX/RXF 57	1.34	1.35	1.71	0.93
RX/RXF 67	2.14	1.56	2.07	1.08
RX/RXF 77	1.73	0	2.38	1.20
RX/RXF 87	6.81	1.93	2.89	1.32
RX/RXF 97	12.66	2.12	3.41	1.44
RX/RXF 107	21.86	2.45	4.04	1.67
R/RF 17	0.58	0.67	3.48	2.70
R/RF 27	1.38	0.46	4.19	3.21
R/RF 37	1.10	0	4.65	3.66
R/RF 47	2.16	0.59	5.39	4.21
R/RF 57	3.34	0.71	5.81	4.43
R/RF 67	2.22	0	6.63	5.26
R/RF 77	3.51	0	6.84	5.26
R/RF 87	7.50	0	8.53	6.56
R/RF 97	10.53	0	10.06	7.70
R/RF 107	18.23	0	11.24	8.48
R/RF 137	54.34	1.18	13.52	10.18
R/RF 147	76.55	1.30	15.83	11.69
R/RF 167	111.51	0	17.72	13.58

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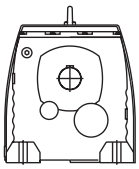
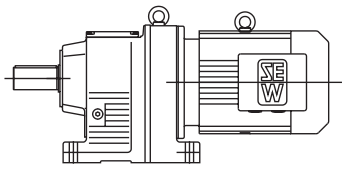
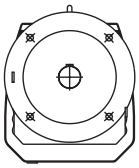
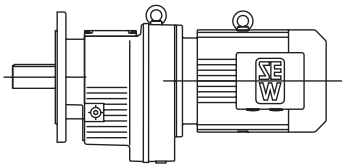




R

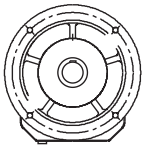
Solid shaft
Foot mount

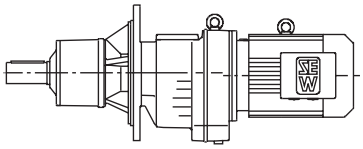




RF

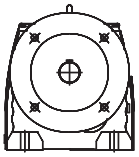
Solid shaft
Flange mount (D & B5 style flange with through holes)

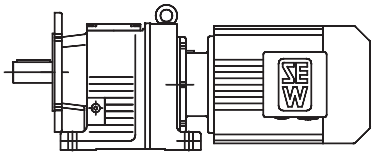




RM

Solid shaft
Agitator flange mount (D & B5 style flange with through holes)



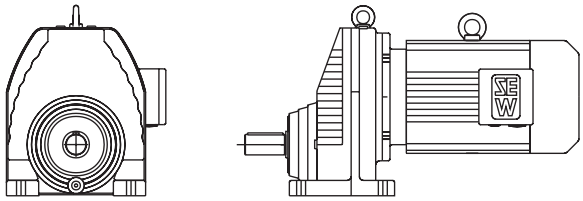


R..F

Solid shaft (Available only on R27-R87)
Foot/flange mount (D & B5 style flange with through holes)

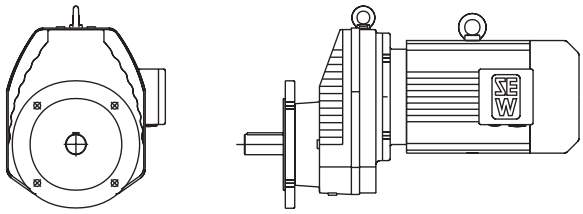
RX

Solid shaft single stage
Foot mount



RXF

Solid shaft single stage
Flange mount (D & B5 style flange with through holes)



Compatibility
SEW motors - Pinion gear bore diameters

The gearmotor selection tables show a wide range of motor and gear unit combinations for single speed motors. When it is necessary to substitute a motor for one shown in the selection tables (e.g. two - speed motors) the following chart lists the possible combinations by gear unit ratios. Where no ratio is shown for a desired motor frame, then either the pinion gear bore is not available or the required motor to gearcase flange is not available. In all cases when substituting motors, the gear units torque capacity should not be exceeded.

Gear Unit Size	Gear Stages	Permissible Ratios for Motor Frame Size					
		DT71	DT80	DT90	DT100	DV112	DV132S/DV132M
		Pinion Gear Bore Diameter - mm					
		10	12	14	16	18	22
RX/RXF57	1	1.65 - 5.50	1.30 - 4.35	1.30 - 3.79	1.30 - 2.64 3.14	1.30 - 2.64	1.30 - 2.04
RX/RXF67	1	2.04 - 6.07	1.61 - 5.18	1.40 - 4.53	1.40 - 3.77	1.40 - 3.20	1.40 - 2.54
RX/RXF77	1	2.70 - 8.00	2.13 - 6.41	1.42 - 5.63	1.42 - 4.73	1.42 - 4.04	1.42 - 3.25
RX/RXF87	1		3.09 - 8.65	2.15 - 7.63	1.60 - 6.45	1.60 - 5.56	1.39 - 4.50
RX/RXF97	1		4.04 - 8.23	2.92 - 8.23	2.24 - 8.23	2.24 - 7.16	1.42 - 5.79
RX/RXF107	1				2.64 - 6.63	2.64 - 6.63	1.71 - 6.63
R..17	2	3.83 - 25.23	3.83 - 19.71				
	3	24.07 - 81.64	24.07 - 81.64				
R..27	2	3.37 - 28.37	3.37 - 22.32	3.37 - 8.16 10.13 - 19.35	3.37 - 6.59 10.13 - 15.63		
	3	24.47 - 135.09	24.47 - 105.49	24.47 - 48.17 61.30 - 90.96	24.47 - 32.47 39.25/61.30/74.11		
R..37	2	3.41 - 28.32	3.41 - 22.27	3.41 - 19.31	3.41 - 15.60		
	3	24.42 - 134.82	24.42 - 105.28	24.42 - 48.08 61.18 - 90.77	24.42 - 32.40 39.17/61.18/73.96		
R..47	2	4.85 - 7.76 10.15 - 33.79	3.83 - 26.74	3.83 - 23.28	3.83 - 16.22/19.27	3.83 - 16.22	3.83 - 6.00 8.01 - 12.54
	3	29.88 - 176.88	23.59 - 139.99	23.59 - 121.87	23.59 - 47.75/56.73 76.23 - 84.90 100.86	23.59 - 47.75 76.23 - 84.90	23.59 - 36.93
R..57	2	6.41 - 9.06 11.88 - 26.31	5.05 - 26.31	4.39 - 26.31	4.39 - 21.93	4.39 - 18.60	4.39 - 7.97 9.35 - 14.77
	3	30.18 - 186.89	26.97 - 147.92	26.97 - 128.77	26.97 - 48.23/57.29 80.55 - 89.71 106.58	26.97 - 48.23 80.55 - 89.71	26.97 - 37.30
R..67	2	6.27 - 7.79 12.70 - 28.13	4.93 - 7.79 10.00 - 28.13	4.29 - 28.13	4.29 - 23.44	4.29 - 19.89	4.29 - 15.79
	3	32.27 - 199.81	28.83 - 158.14	28.83 - 137.67	28.83 - 51.56 61.26 - 95.91 113.94	28.83 - 51.56 69.75 - 95.91	28.83 - 39.88 69.75 - 74.17
R..77	2	8.59 15.60 - 23.37	6.79 - 8.59 12.33 - 23.37	5.31 - 23.37	5.31 - 23.37	5.31 - 23.37	5.31 - 18.80
	3	36.83 - 195.24	29.00 - 166.59	25.23 - 145.67	25.23 - 121.42	25.23 - 102.99	25.23 - 45.81 65.77 - 81.80
R..87	2		19.10 - 34.40	7.13 - 9.14 13.33 - 34.40	5.30 - 34.40	5.30 - 34.40	5.30 - 27.84
	3		41.74 - 246.54	27.88 - 216.54	27.88 - 181.77	27.88 - 155.34	27.88 - 63.68 81.92 - 124.97
R..97	2		22.37 - 32.05	9.29 16.17 - 32.05	7.12 - 9.29 12.39 - 32.05	7.12 - 9.29 12.39 - 32.05	4.50 - 32.05
	3		53.21 - 65.21 103.44 - 289.74	37.13 - 255.71	27.58 - 216.28	27.58 - 186.30	27.58 - 150.78
R..107	2				15.65 - 30.77	15.65 - 30.77	5.82 - 7.86 10.13 - 30.77
	3				40.37 - 251.15	40.37 - 251.15	29.49 - 203.16
R..137	2						7.59 12.83 - 29.57
	3						32.91 - 222.60

Gear Unit Size	Gear Stages	Permissible Ratios for Motor Frame Size					
		DV132ML	DV160M	DV160L	DV180	DV200	DV225
		Pinion Gear Bore Diameter — mm					
		28	28	28	32	38	38
RX/RXF57	1						
RX/RXF67	1						
RX/RXF77	1	1.42 - 2.43	1.42 - 2.43				
RX/RXF87	1	1.39 - 3.48	1.39 - 3.48	1.39 - 3.48	1.39 - 2.76		
RX/RXF97	1	1.42 - 4.52	1.42 - 4.52	1.42 - 4.52	1.42 - 3.64	1.42 - 2.92	
RX/RXF107	1	1.44 - 5.19	1.44 - 5.19	1.44 - 5.19	1.44 - 4.20	1.44 - 3.38	1.44 - 3.38
R..77	2	5.31 - 7.74 9.64 - 14.05	5.31 - 7.74 9.64 - 14.05				
	3	25.23 - 33.47	25.23 - 33.47				
R..87	2	5.30 - 21.51	5.30 - 21.51	5.30 - 21.51	5.30 - 17.08		
	3	27.88 - 47.58 81.92 - 93.38	27.88 - 47.58 81.92 - 93.38	27.88 - 47.58 81.92 - 93.38	27.88 - 36.84		
R..97	2	4.50 - 25.03	4.50 - 25.03	4.50 - 25.03	4.50 - 20.14	4.50 - 16.17	
	3	27.58 - 59.92 72.17 - 116.48	27.58 - 59.92 72.17 - 116.48	27.58 - 59.92 72.17 - 116.48	27.58 - 47.58 72.17 - 92.48	27.58 - 37.13 72.17	
R..107	2	4.92 - 30.77	4.92 - 30.77	4.92 - 30.77	4.92 - 24.90	4.92 - 20.07	4.92 - 20.07
	3	29.49 - 158.68	29.49 - 158.68	29.49 - 158.68	29.49 - 65.60 78.57 - 127.68	29.49 - 52.68 78.57 - 102.53	29.49 - 52.68 78.57 - 102.53
R..137	2	6.38 - 7.59 10.79 - 29.57	6.38 - 7.59 10.79 - 29.57	6.38 - 7.59 10.79 - 29.57	5.15 - 29.57	5.15 - 24.12	5.15 - 24.12
	3	27.83 - 174.40	27.83 - 174.40	27.83 - 174.40	27.83 - 141.12	27.83 - 65.20 88.70 - 113.72	27.83 - 65.20 88.70 - 113.72
R..147	2	7.25 11.99 - 20.44	7.25 11.99 - 20.44	7.25 11.99 - 20.44	5.89 - 7.25 9.74 - 20.44	5.00 - 20.44	5.00 - 20.44
	3	29.95 - 163.31	29.95 - 163.31	29.95 - 163.31	24.19 - 146.91	24.19 - 119.86	24.19 - 119.86
R..167	2		14.48 - 46.00	14.48 - 46.00	11.99 - 37.74	10.24 - 30.71	10.24 - 30.71
	3		34.41 - 229.71	34.41 - 229.71	27.96 - 186.93	23.71 - 153.07	23.71 - 153.07

Compatibility
SEW motors - Pinion gear bore diameters

The gearmotor selection tables show a wide range of motor and gear unit combinations for single speed motors. When it is necessary to substitute a motor for one shown in the selection tables (e.g. two - speed motors) the following chart lists the possible combinations by gear unit ratios. Where no ratio is shown for a desired motor frame, then either the pinion gear bore is not available or the required motor to gearcase flange is not available. In all cases when substituting motors, the gear units torque capacity should not be exceeded.

Gear Unit Size	Gear Stages	Permissible Ratios for Motor Frame Size					
		DT71	DT80	DT90	DT100	DV112	DV132S/DV132M
		Pinion Gear Bore Diameter — mm					
		10	12	14	16	18	22
R..27R17	4	90 - 440	90 - 440				
	5 (2/3)	499 - 1822	499 - 1822				
	5 (3/2)	94 - 1101	94 - 1101				
	6	1254 - 8612	1254 - 8612				
R..37R17	4	90 - 439	90 - 439				
	5 (2/3)	498 - 1818	498 - 1818				
	5 (3/2)	94 - 1099	94 - 1099				
	6	1251 - 8595	1251 - 8595				
R..47R37	4	98 - 429 502 - 546	98 - 429	98 - 372	98 - 301		
	5 (2/3)	471 554 - 2598	471 554 - 2029	471 554 - 927 1179 - 1749	471 554 - 624 755/1179/1425		
	5 (3/2)	344 - 2246 2625 - 2856	344 - 2246	344 - 1948	344 - 1573		
	6	2898 - 13598	2898 - 10619	2898 - 4849 6171 - 9155	2898 - 3268 3951/6171/7460		
R..57R37	4	134 - 359	134 - 359	134 - 359	134 - 290		
	5 (2/3)	410 - 2957	410 - 2309	410 - 1520 1991	410 - 603 1027/1342		
	5 (3/2)	142 - 1732	142 - 1732	142 - 1732	142 - 678 1189 - 1399		
	6	1967 - 14369	1967 - 9445	1967 - 7312	1967 - 2244 2907/4928/6521		
R..67R37	4	159 - 443	159 - 443	159 - 384	159 - 310		
	5 (2/3)	486 - 2682	486 - 2094	486 - 956 1379 - 1805	486 - 644 1471		
	5 (3/2)	158 - 2136	158 - 2136	158 - 1432/1852	158 - 750		
	6	2403 - 15361	2403 - 11996	2403 - 3566 4680 - 7816	2403/5268		
R..77R37	4	186 - 520	186 - 520	186 - 451	186 - 365		
	5 (2/3)	571 - 3151	571 - 2460	571 - 1124 1430 - 2121	571 - 757 915/1430/1728		
	5 (3/2)	149 - 2345	149 - 2345	149 - 1580 2345	149 - 488 731 - 821 1084 - 1218		
	6	2671 - 16370	2671 - 12783	2671/3488 - 4470 5838/7617 - 8714 11021	2671/3488/7617		
R..87R57	4	195 - 538	195 - 538	195 - 538	195 - 472	195 - 400	232 - 300
	5 (2/3)	649 - 4020	580 - 3182	580 - 2770	580 - 1037 1232/1733 - 1930	580 - 1037 1733 - 1930	580 - 802
	5 (3/2)	236 - 268 456 - 776/885 1143 - 1737	236 - 1737	209 - 1737	209 - 1737	209 - 1737	209 - 599 881/994 - 1303
	6	1961 2873 - 17452	1961 - 13813	1961 - 4206 8109 - 12025	2209 - 2873 3744	2209 - 2873 3744	2209 - 2873
R..97R57	4	227/297 - 625	227 - 625	227 - 625	227 - 549	227 - 466	270 - 370
	5 (2/3)	755 - 4678	755 - 3702	755 - 3019	755 - 1434 2016 - 2668	755 - 1207 2016 - 2245	755 - 934
	5 (3/2)	296 - 431 632 - 3065	249 - 3065	209 - 3065	209 - 938 1228 - 1823	209 - 824 1228 - 1396	209 - 296/379 484 - 824/1228
	6	3481 - 21769	3481 - 17230	3481 - 14999	3481 - 4559/7692	3481 - 4004	
R..107R77	4	172 284 - 469	172 220 - 469	172 - 469	172 - 469	172 - 469	172 - 377
	5 (2/3)	626 - 3918	528 - 3343	528 - 2653	528 - 2067	528 - 2067	528 - 717 919 - 1550
	5 (3/2)	822 - 939 1226 - 1987	323 - 369 717 - 1987	187 - 1987	187 - 1987	187 - 1987	187 - 1827
	6	3039 3896 - 20018	2688 - 17080	2339 - 14936	2339 - 11256	2339 - 9547	2339 - 2688 3432 - 5168 6743 - 7583
R..137R77	4	376 - 564	297 - 564	297 - 564	297 - 564	297 - 564	297 - 453
	5 (2/3)	888 - 4709	699 - 4018	609 - 3514	609 - 2929	609 - 2484	609 - 1105 1586 - 1863
	5 (3/2)	323 - 381/560 951 - 1397 1839 - 2658	223 - 381/560 730 - 2658	175 - 2658	175 - 2658	175 - 2658	175 - 831 1226 1598 - 1839
	6	3928 - 22203	2993 - 18945	2993 - 12921 16566	2993 - 11712	2993 - 11712	2993 - 4464/5834 7479 - 8784
R..147R77	5 (3/2)	619 1705 - 2555	415 - 619/889 1166 - 2555	415 - 2555	415 - 2555	415 - 2555	415 - 1705
	6	2898 - 23401	2898 - 12344 15923 - 18210	2898 - 12344 15923	2898 - 12344	2898 - 12344	2898 - 3302/4325 5568 - 8443
R..147R87	5 (3/2)			326 - 426	159 - 533	159 - 533	159 - 533
R..167R97	5 (3/2)		760 - 1438 2085 - 2657	760 - 2657	335 - 376/503 656 - 2657	335 - 376/503 656 - 2657	279 - 2657
	6		4129 - 6077 9631 - 27001	3692 - 22482	3099 - 7749 10509 - 17361	3099 - 7749 10509 - 17361	3099 - 7749 10509 - 14051
R..167R107	4				227 - 446	227 - 446	168 - 446
	5 (2/3)				585 - 3637	585 - 3637	511 - 2436
	5 (3/2)						200 - 270/349

Gear Unit Size	Gear Stages	Permissible Ratios for Motor Frame Size					
		DV132ML	DV160M	DV160L	DV180	DV200	DV225
		Pinion Gear Bore Diameter — mm					
		28	28	28	32	38	38
R..107R77	4	193 - 256	193 - 256				
	5 (2/3)	528	528				
	5 (3/2)	187 - 717 1104	187 - 717 1104				
	6	2339 - 2688 3432	2339 - 2688 3432				
R..137R77	4	297 - 339	297 - 339				
	5 (2/3)	609 - 699	609 - 699				
	5 (3/2)	175 - 291 428 - 490 629 - 831/1598	175 - 291 428 - 490 629 - 831/1598				
	6	2993 - 3454	2993 - 3454				
R..147R77	5 (3/2)	415 - 558 695 - 1536	415 - 558 695 - 1536				
	6						
R..147R87	5 (3/2)	159 - 533	159 - 533	159 - 533	159 - 533	159 - 280 462 - 533	
R..167R97	5 (3/2)	279 - 656 861 - 1123 1670 - 2333	279 - 656 861 - 1123 1670 - 2333	279 - 656 861 - 1123 1670 - 2333	279 - 656 1670 - 1877		
	6	3099 - 4650 6894 - 7749	3099 - 4650 6894 - 7749	3099 - 4650 6894 - 7749	3099 - 3692 6894 - 7749		
R..167R107	4	168 - 446	168 - 446	168 - 446	168 - 361	168 - 291	168 - 227
	5 (2/3)	511 - 1849/2298	511 - 1849/2298	511 - 1849/2298	511 - 1849	511 - 763 1111 - 1485	511 - 585
	5 (3/2)	169 - 349	169 - 349	169 - 349	169 - 349	169 - 349	169 - 349

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.33	**1040.0**	30.0	20	470	1.65	1	-	**RX57**	**DT71C4**
	896.0	27.0	23	495	1.92	1	-	**RX57**	**DT71C4**
	842.0	25.0	25	505	2.04	1	-	**RX57**	**DT71C4**
	726.0	22.0	28	530	2.37	1	-	**RX57**	**DT71C4**
	677.0	34.0	31	665	2.54	1	-	**RX67**	**DT71C4**
	652.0	19.0	32	550	2.64	1	-	**RX57**	**DT71C4**
	590.0	17.0	35	565	2.91	1	-	**RX57**	**DT71C4**
	548.0	15.0	38	580	3.14	1	-	**RX57**	**DT71C4**
	510.0	17.0	41	365	3.37	2	-	**R27**	**DT71C4**
	485.0	14.0	43	605	3.55	1	-	**RX57**	**DT71C4**
	449.0	8.6	46	245	3.83	2	-	**R17**	**DT71C4**
	430.0	15.0	49	385	4.00	2	-	**R27**	**DT71C4**
	403.0	15.0	51	390	4.27	2	-	**R27**	**DT71C4**
	395.0	11.0	53	645	4.35	1	-	**RX57**	**DT71C4**
	381.0	7.7	55	260	4.51	2	-	**R17**	**DT71C4**
	338.0	7.3	62	270	5.09	2	-	**R17**	**DT71C4**
	307.0	13.0	68	425	5.60	2	-	**R27**	**DT71C4**
	298.0	6.7	70	280	5.76	2	-	**R17**	**DT71C4**
	280.0	6.4	74	285	6.15	2	-	**R17**	**DT71C4**
	261.0	12.0	80	450	6.59	2	-	**R27**	**DT71C4**
	244.0	5.7	85	295	7.04	2	-	**R17**	**DT71C4**
	228.0	5.4	91	300	7.55	2	-	**R17**	**DT71C4**
	216.0	14.0	96	695	7.97	2	-	**R37**	**DT71C4**
	211.0	10.0	99	480	8.16	2	-	**R27**	**DT71C4**
	199.0	6.1	104	320	8.63	2	-	**R17**	**DT71C4**
	183.0	9.5	114	505	9.41	2	-	**R27**	**DT71C4**
	169.0	5.5	123	335	10.15	2	-	**R17**	**DT71C4**
	150.0	5.2	139	345	11.45	2	-	**R17**	**DT71C4**
	145.0	8.0	143	545	11.86	2	-	**R27**	**DT71C4**
	133.0	4.8	157	360	12.98	2	-	**R17**	**DT71C4**
	124.0	4.5	167	365	13.84	2	-	**R17**	**DT71C4**
	109.0	3.9	192	380	15.84	2	-	**R17**	**DT71C4**
	101.0	3.7	205	385	16.99	2	-	**R17**	**DT71C4**
	95.0	5.3	220	620	18.08	2	-	**R27**	**DT71C4**
	87.0	3.2	240	400	19.71	2	-	**R17**	**DT71C4**
	77.0	4.3	270	660	22.32	2	-	**R27**	**DT71C4**
	74.0	2.7	280	415	23.15	2	-	**R17**	**DT71C4**
	71.0	2.6	290	420	24.07	3	-	**R17**	**DT71C4**
	68.0	2.5	305	425	25.23	2	-	**R17**	**DT71C4**
	66.0	3.6	315	690	26.09	2	-	**R27**	**DT71C4**
	64.0	8.2	325	1050	26.74	2	-	**R47**	**DT71C4**
	61.0	3.3	345	705	28.37	2	-	**R27**	**DT71C4**
	54.0	2.0	385	450	31.94	3	-	**R17**	**DT71C4**

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Overhung loads (OHL) are at shaft midpoint.
See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
0.33	**51.0**	5.2	410	1130	33.79	2	-	**R47**	**DT71C4**
	48.0	1.7	440	465	36.20	3	-	**R17**	**DT71C4**
	47.0	2.6	445	765	36.79	3	-	**R27**	**DT71C4**
	45.0	1.6	465	470	38.61	3	-	**R17**	**DT71C4**
	44.0	2.4	475	775	39.25	3	-	**R27**	**DT71C4**
	40.0	5.1	520	1210	42.87	3	-	**R47**	**DT71C4**
	39.0	1.4	535	485	44.18	3	-	**R17**	**DT71C4**
	38.0	2.1	545	810	44.90	3	-	**R27**	**DT71C4**
	36.0	1.3	575	490	47.44	3	-	**R17**	**DT71C4**
	36.0	2.0	585	820	48.17	3	-	**R27**	**DT71C4**
	33.0	4.2	635	1290	52.69	3	-	**R47**	**DT71C4**
	32.0	1.2	650	500	53.76	3	-	**R17**	**DT71C4**
	31.0	1.7	675	860	55.87	3	-	**R27**	**DT71C4**
	31.0	2.6	675	1270	55.76	3	-	**R37**	**DT71C4**
	30.0	1.1	695	485	57.35	3	-	**R17**	**DT71C4**
	30.0	3.9	685	1320	56.73	3	-	**R47**	**DT71C4**
	28.0	1.6	740	880	61.30	3	-	**R27**	**DT71C4**
	28.0	2.4	740	1310	61.18	3	-	**R37**	**DT71C4**
	27.0	3.4	775	1370	64.21	3	-	**R47**	**DT71C4**
	25.0	1.4	840	910	69.47	3	-	**R27**	**DT71C4**
	25.0	2.1	840	1310	69.33	3	-	**R37**	**DT71C4**
	23.0	1.3	900	920	74.11	3	-	**R27**	**DT71C4**
	23.0	2.0	890	1310	73.96	3	-	**R37**	**DT71C4**
	20.0	1.1	1030	950	84.78	3	-	**R27**	**DT71C4**
	20.0	1.8	1020	1290	84.61	3	-	**R37**	**DT71C4**
	20.0	2.6	1030	1360	84.90	3	-	**R47**	**DT71C4**
	19.0	1.1	1100	960	90.96	3	-	**R27**	**DT71C4**
	19.0	1.6	1100	1270	90.77	3	-	**R37**	**DT71C4**
	19.0	3.7	1090	1790	89.71	3	-	**R57**	**DT71C4**
	18.0	2.3	1130	1360	93.68	3	-	**R47**	**DT71C4**
	17.0	2.2	1220	1350	100.86	3	-	**R47**	**DT71C4**
	16.0	1.4	1270	1240	105.28	3	-	**R37**	**DT71C4**
	16.0	2.0	1300	1350	68.54	3	-	**R47**	**DT71D6**
	16.0	2.3	1130	1360	109	2	2	**R47R37**	**DT71C4**
	15.0	1.9	1380	1340	114.17	3	-	**R47**	**DT71C4**
	14.0	1.2	1500	1190	123.66	3	-	**R37**	**DT71C4**
	14.0	1.8	1470	1340	121.87	3	-	**R47**	**DT71C4**
	14.0	2.7	1460	1780	120.63	3	-	**R57**	**DT71C4**
	13.0	1.1	1630	1150	134.82	3	-	**R37**	**DT71C4**
	13.0	1.7	1610	1330	84.90	3	-	**R47**	**DT71D6**
	13.0	2.6	1560	1770	128.77	3	-	**R57**	**DT71C4**
	12.0	1.6	1690	1320	139.99	3	-	**R47**	**DT71C4**
	12.0	2.2	1790	1760	147.92	3	-	**R57**	**DT71C4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.33	**11.0**	1.4	1970	1300	162.94	3	-	**R47**	**DT71C4**
	11.0	2.1	1870	1760	98.99	3	-	**R57**	**DT71D6**
	11.0	2.5	1620	1770	159	2	2	**R57R37**	**DT71C4**
	10.0	1.9	2080	1750	172.17	3	-	**R57**	**DT71C4**
	10.0	2.0	2020	1750	106.58	3	-	**R57**	**DT71D6**
	10.0	2.4	1630	1770	164	3	2	**R57R37**	**DT71C4**
	9.7	1.3	2140	1280	176.88	3	-	**R47**	**DT71C4**
	9.3	2.4	2230	2270	184.07	3	-	**R67**	**DT71C4**
	9.2	1.8	2260	1740	186.89	3	-	**R57**	**DT71C4**
	9.0	1.2	2300	1260	121.87	3	-	**R47**	**DT71D6**
	8.6	2.2	2420	2250	199.81	3	-	**R67**	**DT71C4**
	8.5	1.7	2440	1730	128.77	3	-	**R57**	**DT71D6**
	8.0	2.0	2600	2230	137.67	3	-	**R67**	**DT71D6**
	7.9	1.0	2650	1220	139.99	3	-	**R47**	**DT71D6**
	7.6	2.6	2760	2870	145.67	3	-	**R77**	**DT71D6**
	7.4	1.4	2800	1700	147.92	3	-	**R57**	**DT71D6**
	7.3	2.2	2430	2250	235	2	2	**R67R37**	**DT71C4**
	7.2	1.7	2390	1730	241	3	2	**R57R37**	**DT71C4**
	7.0	1.8	2990	2180	158.14	3	-	**R67**	**DT71D6**
	6.6	1.5	2750	1710	262	2	2	**R57R37**	**DT71C4**
	6.6	2.0	2650	2220	261	3	2	**R67R37**	**DT71C4**
	6.6	2.3	3150	2840	166.59	3	-	**R77**	**DT71D6**
	6.5	2.0	2730	2210	264	2	2	**R67R37**	**DT71C4**
	6.4	1.2	3260	1670	172.17	3	-	**R57**	**DT71D6**
	6.3	1.5	2740	1710	273	3	2	**R57R37**	**DT71C4**
	6.2	2.5	2850	2860	276	2	2	**R77R37**	**DT71C4**
	6.0	1.5	3480	2110	184.07	3	-	**R67**	**DT71D6**
	6.0	2.4	2980	2850	289	3	2	**R77R37**	**DT71C4**
	5.9	1.2	3540	1640	186.89	3	-	**R57**	**DT71D6**
	5.6	2.0	3690	2790	195.24	3	-	**R77**	**DT71D6**
	5.6	2.3	3210	2830	310	2	2	**R77R37**	**DT71C4**
	5.5	1.4	3780	2060	199.81	3	-	**R67**	**DT71D6**
	5.3	1.2	3430	1650	324	2	2	**R57R37**	**DT71C4**
	5.3	2.2	3340	2820	327	3	2	**R77R37**	**DT71C4**
	5.0	1.5	3550	2100	344	3	2	**R67R37**	**DT71C4**
	4.8	1.1	3800	1620	359	2	2	**R57R37**	**DT71C4**
	4.8	1.4	3790	2060	359	2	2	**R67R37**	**DT71C4**
	4.8	3.8	3630	4490	361	2	2	**R87R57**	**DT71C4**
	4.5	1.3	4060	2000	384	2	2	**R67R37**	**DT71C4**
	4.4	1.4	3890	2040	388	3	2	**R67R37**	**DT71C4**
	4.3	3.4	4060	4490	400	2	2	**R87R57**	**DT71C4**
	4.1	1.7	4450	2710	422	2	2	**R77R37**	**DT71C4**
	3.9	1.1	4720	1860	443	2	2	**R67R37**	**DT71C4**

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See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.33	**3.8**	1.5	4780	2670	451	2	2	**R77R37**	**DT71C4**
	3.7	2.8	4850	4490	472	2	2	**R87R57**	**DT71C4**
	3.5	1.1	4940	1800	486	2	3	**R67R37**	**DT71C4**
	3.5	1.5	4990	2640	488	3	2	**R77R37**	**DT71C4**
	3.3	1.3	5550	2560	520	2	2	**R77R37**	**DT71C4**
	3.2	2.5	5570	4490	538	2	2	**R87R57**	**DT71C4**
	3.0	1.3	5800	2520	571	2	3	**R77R37**	**DT71C4**
	2.7	2.2	6340	4490	649	2	3	**R87R57**	**DT71C4**
	2.6	1.1	6880	2310	671	2	3	**R77R37**	**DT71C4**
	2.5	2.0	6840	4490	685	3	2	**R87R57**	**DT71C4**
	2.3	1.0	7320	2210	731	3	2	**R77R37**	**DT71C4**
	2.3	1.9	7460	4490	754	2	3	**R87R57**	**DT71C4**
	2.3	3.6	7380	6370	755	2	3	**R97R57**	**DT71C4**
	2.1	1.7	7970	4490	802	2	3	**R87R57**	**DT71C4**
	2.0	3.1	8680	6350	878	2	3	**R97R57**	**DT71C4**
	1.9	1.5	9350	4410	931	2	3	**R87R57**	**DT71C4**
	1.8	2.9	9270	6330	934	2	3	**R97R57**	**DT71C4**
	1.6	2.4	10900	6290	1084	2	3	**R97R57**	**DT71C4**
	1.5	1.2	11700	4130	1145	2	3	**R87R57**	**DT71C4**
	1.4	1.1	12600	3990	1232	2	3	**R87R57**	**DT71C4**
	1.4	2.2	12200	6250	1207	2	3	**R97R57**	**DT71C4**
	1.3	1.1	12600	3980	1303	3	2	**R87R57**	**DT71C4**
	1.2	1.8	14700	6160	1434	2	3	**R97R57**	**DT71C4**
	1.2	2.8	13700	8360	1407	2	3	**R107R77**	**DT71C4**
	1.1	1.6	16700	6020	1623	2	3	**R97R57**	**DT71C4**
	1.1	2.5	15000	8330	1550	2	3	**R107R77**	**DT71C4**
	1.0	2.3	16800	8290	1693	2	3	**R107R77**	**DT71C4**
	0.99	1.5	17900	5910	1733	2	3	**R97R57**	**DT71C4**
	0.94	1.5	18500	5850	1823	3	2	**R97R57**	**DT71C4**
	0.94	2.2	17300	8270	1827	3	2	**R107R77**	**DT71C4**
	0.87	2.0	19200	8220	1987	3	2	**R107R77**	**DT71C4**
	0.85	1.3	20200	5650	2016	2	3	**R97R57**	**DT71C4**
	0.83	1.9	20600	8180	2067	2	3	**R107R77**	**DT71C4**
	0.77	1.2	22700	5330	2245	2	3	**R97R57**	**DT71C4**
	0.77	3.2	22200	13600	2242	2	3	**R137R77**	**DT71C4**
	0.75	1.7	23400	8080	2280	2	3	**R107R77**	**DT71C4**
	0.74	1.1	23600	5200	2311	3	2	**R97R57**	**DT71C4**
	0.69	2.8	24800	13600	2484	2	3	**R137R77**	**DT71C4**
	0.65	1.4	27200	7800	2653	2	3	**R107R77**	**DT71C4**
	0.59	2.4	29600	13500	2929	2	3	**R137R77**	**DT71C4**
	0.57	1.2	31400	7410	3034	2	3	**R107R77**	**DT71C4**
	0.52	2.1	34100	13400	3338	2	3	**R137R77**	**DT71C4**
	0.51	1.1	34600	7060	3343	2	3	**R107R77**	**DT71C4**

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See page 42 for available mounting options. See page 156 for weights.
Overhung loads (OHL) are at shaft midpoint.
See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.33	**0.49**	2.0	36000	13400	3514	2	3	**R137R77**	**DT71C4**
	0.46	3.1	36600	16500	3754	3	3	**R147R77**	**DT71C4**
	0.44	1.0	37500	6700	3896	3	3	**R107R77**	**DT71C4**
	0.43	1.7	41600	13200	4018	2	3	**R137R77**	**DT71C4**
	0.40	2.8	41600	16400	4325	3	3	**R147R77**	**DT71C4**
	0.37	1.5	49200	13000	4709	2	3	**R137R77**	**DT71C4**
	0.35	2.4	48000	16300	4926	3	3	**R147R77**	**DT71C4**
	0.34	1.4	50300	12900	5116	3	3	**R137R77**	**DT71C4**
	0.31	2.2	53300	16200	5568	3	3	**R147R77**	**DT71C4**
	0.29	1.3	55000	12700	5834	3	3	**R137R77**	**DT71C4**
	0.27	1.9	61700	16000	6447	3	3	**R147R77**	**DT71C4**
	0.26	1.1	64500	12300	6559	3	3	**R137R77**	**DT71C4**
	0.24	1.7	69900	15800	7307	3	3	**R147R77**	**DT71C4**
	0.23	1.0	70500	12000	7479	3	3	**R137R77**	**DT71C4**
	0.20	1.4	80800	15500	8443	3	3	**R147R77**	**DT71C4**
	0.18	1.2	95800	15000	9743	3	3	**R147R77**	**DT71C4**
	0.15	1.1	108600	14400	11143	3	3	**R147R77**	**DT71C4**
0.50	**1030.0**	20.0	31	470	1.65	1	-	**RX57**	**DT71D4**
	885.0	17.0	35	495	1.92	1	-	**RX57**	**DT71D4**
	833.0	16.0	38	505	2.04	1	-	**RX57**	**DT71D4**
	717.0	14.0	44	530	2.37	1	-	**RX57**	**DT71D4**
	669.0	22.0	47	665	2.54	1	-	**RX67**	**DT71D4**
	644.0	13.0	49	550	2.64	1	-	**RX57**	**DT71D4**
	584.0	11.0	54	565	2.91	1	-	**RX57**	**DT71D4**
	542.0	9.9	58	580	3.14	1	-	**RX57**	**DT71D4**
	505.0	11.0	63	360	3.37	2	-	**R27**	**DT71D4**
	479.0	9.3	65	605	3.55	1	-	**RX57**	**DT71D4**
	443.0	5.6	71	240	3.83	2	-	**R17**	**DT71D4**
	425.0	10.0	74	380	4.00	2	-	**R27**	**DT71D4**
	398.0	9.7	80	390	4.27	2	-	**R27**	**DT71D4**
	391.0	7.5	81	645	4.35	1	-	**RX57**	**DT71D4**
	377.0	5.1	84	255	4.51	2	-	**R17**	**DT71D4**
	351.0	6.4	90	665	3.14	1	-	**RX57**	**DT80K6**
	334.0	4.8	95	260	5.09	2	-	**R17**	**DT71D4**
	309.0	3.4	102	695	5.50	1	-	**RX57**	**DT71D4**
	304.0	8.5	104	425	5.60	2	-	**R27**	**DT71D4**
	295.0	4.4	107	270	5.76	2	-	**R17**	**DT71D4**
	276.0	4.2	114	275	6.15	2	-	**R17**	**DT71D4**
	258.0	7.7	122	445	6.59	2	-	**R27**	**DT71D4**
	242.0	3.7	130	285	7.04	2	-	**R17**	**DT71D4**
	225.0	3.5	140	290	7.55	2	-	**R17**	**DT71D4**
	213.0	9.3	148	690	7.97	2	-	**R37**	**DT71D4**

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See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
0.50	**208.0**	6.8	151	475	8.16	2	-	**R27**	**DT71D4**
	197.0	4.0	160	310	8.63	2	-	**R17**	**DT71D4**
	181.0	6.2	174	495	9.41	2	-	**R27**	**DT71D4**
	167.0	3.6	188	325	10.15	2	-	**R17**	**DT71D4**
	156.0	2.4	200	320	7.04	2	-	**R17**	**DT80K6**
	148.0	3.4	210	335	11.45	2	-	**R17**	**DT71D4**
	143.0	5.2	220	535	11.86	2	-	**R27**	**DT71D4**
	131.0	3.1	240	345	12.98	2	-	**R17**	**DT71D4**
	127.0	2.6	250	345	8.63	2	-	**R17**	**DT80K6**
	123.0	2.9	255	350	13.84	2	-	**R17**	**DT71D4**
	107.0	2.6	295	360	15.84	2	-	**R17**	**DT71D4**
	100.0	2.4	315	365	16.99	2	-	**R17**	**DT71D4**
	94.0	3.4	335	605	18.08	2	-	**R27**	**DT71D4**
	86.0	2.1	365	380	19.71	2	-	**R17**	**DT71D4**
	79.0	1.9	395	385	13.84	2	-	**R17**	**DT80K6**
	76.0	2.8	415	645	22.32	2	-	**R27**	**DT71D4**
	73.0	1.8	430	390	23.15	2	-	**R17**	**DT71D4**
	73.0	6.2	430	990	23.28	2	-	**R47**	**DT71D4**
	71.0	1.7	445	395	24.07	3	-	**R17**	**DT71D4**
	69.0	2.5	455	660	24.47	3	-	**R27**	**DT71D4**
	67.0	1.6	470	400	25.23	2	-	**R17**	**DT71D4**
	65.0	2.4	485	670	26.09	2	-	**R27**	**DT71D4**
	60.0	2.2	525	685	28.37	2	-	**R27**	**DT71D4**
	56.0	1.4	565	410	19.71	2	-	**R17**	**DT80K6**
	55.0	3.4	575	1090	31.12	2	-	**R47**	**DT71D4**
	53.0	1.3	590	415	31.94	3	-	**R17**	**DT71D4**
	52.0	1.9	605	715	32.47	3	-	**R27**	**DT71D4**
	52.0	3.0	600	1060	32.40	3	-	**R37**	**DT71D4**
	50.0	3.4	625	1110	33.79	2	-	**R47**	**DT71D4**
	47.0	1.1	670	425	36.20	3	-	**R17**	**DT71D4**
	46.0	1.7	680	735	36.79	3	-	**R27**	**DT71D4**
	46.0	2.6	680	1100	36.72	3	-	**R37**	**DT71D4**
	44.0	1.1	715	425	38.61	3	-	**R17**	**DT71D4**
	43.0	1.6	730	750	39.25	3	-	**R27**	**DT71D4**
	43.0	2.4	725	1120	39.17	3	-	**R37**	**DT71D4**
	40.0	3.3	795	1190	42.87	3	-	**R47**	**DT71D4**
	38.0	1.4	830	775	44.90	3	-	**R27**	**DT71D4**
	38.0	2.1	830	1160	44.81	3	-	**R37**	**DT71D4**
	35.0	1.3	890	785	48.17	3	-	**R27**	**DT71D4**
	35.0	2.0	890	1190	48.08	3	-	**R37**	**DT71D4**
	34.0	1.3	930	795	32.47	3	-	**R27**	**DT80K6**
	32.0	2.7	980	1270	52.69	3	-	**R47**	**DT71D4**
	30.0	1.1	1040	810	55.87	3	-	**R27**	**DT71D4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.50	**30.0**	1.7	1030	1230	55.76	3	-	**R37**	**DT71D4**
	30.0	2.5	1050	1290	56.73	3	-	**R47**	**DT71D4**
	28.0	1.0	1140	830	61.30	3	-	**R27**	**DT71D4**
	28.0	1.6	1130	1260	61.18	3	-	**R37**	**DT71D4**
	26.0	2.2	1190	1340	64.21	3	-	**R47**	**DT71D4**
	25.0	1.4	1290	1240	69.33	3	-	**R37**	**DT71D4**
	25.0	2.1	1270	1350	68.54	3	-	**R47**	**DT71D4**
	23.0	1.3	1370	1220	73.96	3	-	**R37**	**DT71D4**
	23.0	2.0	1370	1340	47.75	3	-	**R47**	**DT80K6**
	22.0	1.9	1410	1340	76.23	3	-	**R47**	**DT71D4**
	21.0	2.7	1490	1780	80.55	3	-	**R57**	**DT71D4**
	20.0	1.2	1570	1170	84.61	3	-	**R37**	**DT71D4**
	20.0	1.7	1570	1330	84.90	3	-	**R47**	**DT71D4**
	20.0	3.3	1600	2320	86.11	3	-	**R67**	**DT71D4**
	19.0	1.1	1680	1140	90.77	3	-	**R37**	**DT71D4**
	19.0	2.4	1660	1770	89.71	3	-	**R57**	**DT71D4**
	18.0	1.6	1740	1320	93.68	3	-	**R47**	**DT71D4**
	18.0	3.0	1780	2300	95.91	3	-	**R67**	**DT71D4**
	17.0	1.4	1870	1310	100.86	3	-	**R47**	**DT71D4**
	17.0	2.2	1840	1760	98.99	3	-	**R57**	**DT71D4**
	16.0	2.0	1980	1750	106.58	3	-	**R57**	**DT71D4**
	15.0	1.3	2120	1280	114.17	3	-	**R47**	**DT71D4**
	15.0	2.5	2110	2280	113.94	3	-	**R67**	**DT71D4**
	14.0	1.2	2260	1270	121.87	3	-	**R47**	**DT71D4**
	14.0	1.8	2240	1740	120.63	3	-	**R57**	**DT71D4**
	13.0	1.7	2390	1730	128.77	3	-	**R57**	**DT71D4**
	13.0	2.2	2390	2250	128.97	3	-	**R67**	**DT71D4**
	12.0	1.0	2600	1230	139.99	3	-	**R47**	**DT71D4**
	12.0	1.6	2570	1720	89.71	3	-	**R57**	**DT80K6**
	12.0	2.1	2550	2230	137.67	3	-	**R67**	**DT71D4**
	11.0	1.5	2740	1710	147.92	3	-	**R57**	**DT71D4**
	11.0	2.0	2750	2210	95.91	3	-	**R67**	**DT80K6**
	11.0	2.1	2560	2230	159	2	2	**R67R37**	**DT71D4**
	10.0	1.8	3030	2170	105.83	3	-	**R67**	**DT80K6**
	10.0	2.3	3090	2840	166.59	3	-	**R77**	**DT71D4**
	9.9	1.3	3190	1670	172.17	3	-	**R57**	**DT71D4**
	9.2	1.6	3410	2120	184.07	3	-	**R67**	**DT71D4**
	9.1	1.2	3470	1650	186.89	3	-	**R57**	**DT71D4**
	8.7	2.0	3620	2800	195.24	3	-	**R77**	**DT71D4**
	8.5	1.1	3690	1630	128.77	3	-	**R57**	**DT80K6**
	8.5	1.5	3710	2070	199.81	3	-	**R67**	**DT71D4**
	8.0	1.4	3950	2030	137.67	3	-	**R67**	**DT80K6**
	7.7	1.1	3600	1640	220	2	2	**R57R37**	**DT71D4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.50	**7.7**	2.0	3590	2800	221	2	2	**R77R37**	**DT71D4**
	7.6	1.8	4180	2740	145.67	3	-	**R77**	**DT80K6**
	7.2	1.4	3850	2040	235	2	2	**R67R37**	**DT71D4**
	7.2	3.7	3670	4490	236	3	2	**R87R57**	**DT71D4**
	7.1	3.1	4450	4490	155.34	3	-	**R87**	**DT80K6**
	7.0	1.2	4530	1900	158.14	3	-	**R67**	**DT80K6**
	6.7	3.4	4030	4490	256	2	2	**R87R57**	**DT71D4**
	6.6	1.5	4770	2670	166.59	3	-	**R77**	**DT80K6**
	6.4	1.2	4330	1950	264	2	2	**R67R37**	**DT71D4**
	6.3	3.3	4160	4490	268	3	2	**R87R57**	**DT71D4**
	6.2	1.6	4530	2700	276	2	2	**R77R37**	**DT71D4**
	6.1	2.6	5210	4490	181.77	3	-	**R87**	**DT80K6**
	5.7	2.9	4780	4490	300	2	2	**R87R57**	**DT71D4**
	5.5	1.1	5130	1750	310	2	2	**R67R37**	**DT71D4**
	5.5	1.4	5090	2630	310	2	2	**R77R37**	**DT71D4**
	5.3	2.3	5900	4490	205.71	3	-	**R87**	**DT80K6**
	5.2	1.4	5290	2600	327	3	2	**R77R37**	**DT71D4**
	5.1	2.2	6210	4490	216.54	3	-	**R87**	**DT80K6**
	4.7	1.2	6030	2480	365	2	2	**R77R37**	**DT71D4**
	4.7	2.4	5820	4490	361	2	2	**R87R57**	**DT71D4**
	4.5	2.0	7070	4490	246.54	3	-	**R87**	**DT80K6**
	4.2	2.1	6480	4490	400	2	2	**R87R57**	**DT71D4**
	4.0	1.1	7010	2290	422	2	2	**R77R37**	**DT71D4**
	3.9	1.1	7030	2280	436	3	2	**R77R37**	**DT71D4**
	3.9	3.9	6840	6380	431	3	2	**R97R57**	**DT71D4**
	3.8	3.2	8300	6350	289.74	3	-	**R97**	**DT80K6**
	3.7	3.5	7540	6370	466	2	2	**R97R57**	**DT71D4**
	3.6	1.8	7710	4490	472	2	2	**R87R57**	**DT71D4**
	3.2	1.6	8830	4460	538	2	2	**R87R57**	**DT71D4**
	3.1	3.0	8970	6340	549	2	2	**R97R57**	**DT71D4**
	2.7	2.6	10300	6310	625	2	2	**R97R57**	**DT71D4**
	2.6	1.4	10200	4310	649	2	3	**R87R57**	**DT71D4**
	2.2	1.2	12000	4080	754	2	3	**R87R57**	**DT71D4**
	2.2	2.2	11900	6260	755	2	3	**R97R57**	**DT71D4**
	2.1	1.1	12800	3960	802	2	3	**R87R57**	**DT71D4**
	2.1	2.0	13000	6220	824	3	2	**R97R57**	**DT71D4**
	1.9	1.9	13900	6190	878	2	3	**R97R57**	**DT71D4**
	1.9	2.6	14500	8340	919	2	3	**R107R77**	**DT71D4**
	1.8	1.8	14900	6150	934	2	3	**R97R57**	**DT71D4**
	1.6	1.6	17400	5960	1084	2	3	**R97R57**	**DT71D4**
	1.6	2.3	16600	8290	1055	2	3	**R107R77**	**DT71D4**
	1.4	1.4	19400	5750	1207	2	3	**R97R57**	**DT71D4**
	1.4	2.0	19000	8230	1209	2	3	**R107R77**	**DT71D4**

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See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.50	**1.2**	1.2	23300	5250	1434	2	3	**R97R57**	**DT71D4**
	1.2	1.7	22100	8130	1407	2	3	**R107R77**	**DT71D4**
	1.2	3.2	22200	13600	1391	2	3	**R137R77**	**DT71D4**
	1.1	1.6	24300	8020	1550	2	3	**R107R77**	**DT71D4**
	1.1	2.9	24700	13600	1586	2	3	**R137R77**	**DT71D4**
	1.0	1.0	26400	4540	1623	2	3	**R97R57**	**DT71D4**
	1.0	1.4	26900	7830	1693	2	3	**R107R77**	**DT71D4**
	0.93	1.4	28200	7710	1827	3	2	**R107R77**	**DT71D4**
	0.91	2.4	29200	13500	1863	2	3	**R137R77**	**DT71D4**
	0.82	1.2	33000	7240	2067	2	3	**R107R77**	**DT71D4**
	0.76	2.0	35600	13400	2242	2	3	**R137R77**	**DT71D4**
	0.75	1.1	37000	6760	2280	2	3	**R107R77**	**DT71D4**
	0.68	1.8	39700	13300	2484	2	3	**R137R77**	**DT71D4**
	0.67	2.9	40300	16500	2555	3	2	**R147R77**	**DT71D4**
	0.59	2.6	44800	16400	2898	3	3	**R147R77**	**DT71D4**
	0.58	1.5	47100	13000	2929	2	3	**R137R77**	**DT71D4**
	0.51	1.3	54000	12800	3338	2	3	**R137R77**	**DT71D4**
	0.51	2.2	51200	16300	3302	3	3	**R147R77**	**DT71D4**
	0.48	1.3	57000	12700	3514	2	3	**R137R77**	**DT71D4**
	0.45	2.0	58700	16100	3754	3	3	**R147R77**	**DT71D4**
	0.42	1.1	65600	12300	4018	2	3	**R137R77**	**DT71D4**
	0.39	1.7	67100	15900	4325	3	3	**R147R77**	**DT71D4**
	0.38	1.1	69000	12100	4464	3	3	**R137R77**	**DT71D4**
	0.35	1.5	77000	15600	4926	3	3	**R147R77**	**DT71D4**
	0.31	1.4	86000	15300	5568	3	3	**R147R77**	**DT71D4**
	0.26	1.2	99600	14800	6447	3	3	**R147R77**	**DT71D4**
	0.23	1.0	112900	14200	7307	3	3	**R147R77**	**DT71D4**
0.75	**1305.0**	15.0	36	435	1.30	1	-	**RX57**	**DT80K4**
	1150.0	15.0	41	450	1.48	1	-	**RX57**	**DT80K4**
	1030.0	13.0	46	465	1.65	1	-	**RX57**	**DT80K4**
	915.0	22.0	51	600	1.86	1	-	**RX67**	**DT80K4**
	885.0	12.0	53	490	1.92	1	-	**RX57**	**DT80K4**
	833.0	11.0	57	500	2.04	1	-	**RX57**	**DT80K4**
	717.0	9.2	66	525	2.37	1	-	**RX57**	**DT80K4**
	669.0	15.0	71	660	2.54	1	-	**RX67**	**DT80K4**
	644.0	8.3	73	545	2.64	1	-	**RX57**	**DT80K4**
	584.0	7.3	81	560	2.91	1	-	**RX57**	**DT80K4**
	542.0	6.6	88	575	3.14	1	-	**RX57**	**DT80K4**
	505.0	7.4	94	355	3.37	2	-	**R27**	**DT80K4**
	479.0	6.2	99	595	3.55	1	-	**RX57**	**DT80K4**
	464.0	6.0	102	600	2.37	1	-	**RX57**	**DT80N6**
	443.0	3.7	107	235	3.83	2	-	**R17**	**DT80K4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
0.75	**425.0**	6.8	111	375	4.00	2	-	**R27**	**DT80K4**
	398.0	6.5	119	385	4.27	2	-	**R27**	**DT80K4**
	377.0	3.4	126	245	4.51	2	-	**R17**	**DT80K4**
	334.0	3.2	142	250	5.09	2	-	**R17**	**DT80K4**
	304.0	5.6	156	415	5.60	2	-	**R27**	**DT80K4**
	295.0	2.9	160	260	5.76	2	-	**R17**	**DT80K4**
	287.0	2.4	165	260	3.83	2	-	**R17**	**DT80N6**
	276.0	2.8	171	265	6.15	2	-	**R17**	**DT80K4**
	258.0	5.1	183	435	6.59	2	-	**R27**	**DT80K4**
	242.0	2.5	196	270	7.04	2	-	**R17**	**DT80K4**
	225.0	2.4	210	275	7.55	2	-	**R17**	**DT80K4**
	213.0	6.2	220	685	7.97	2	-	**R37**	**DT80K4**
	208.0	4.5	225	465	8.16	2	-	**R27**	**DT80K4**
	197.0	2.7	240	295	8.63	2	-	**R17**	**DT80K4**
	181.0	4.1	260	485	9.41	2	-	**R27**	**DT80K4**
	179.0	1.8	265	290	6.15	2	-	**R17**	**DT80N6**
	167.0	2.4	280	305	10.15	2	-	**R17**	**DT80K4**
	156.0	1.6	305	295	7.04	2	-	**R17**	**DT80N6**
	148.0	2.2	320	315	11.45	2	-	**R17**	**DT80K4**
	143.0	3.5	330	520	11.86	2	-	**R27**	**DT80K4**
	131.0	2.1	360	320	12.98	2	-	**R17**	**DT80K4**
	128.0	3.1	370	540	13.28	2	-	**R27**	**DT80K4**
	127.0	1.7	370	325	8.63	2	-	**R17**	**DT80N6**
	123.0	2.0	385	325	13.84	2	-	**R17**	**DT80K4**
	109.0	2.7	435	565	15.63	2	-	**R27**	**DT80K4**
	107.0	1.7	440	335	15.84	2	-	**R17**	**DT80K4**
	105.0	5.4	450	880	16.22	2	-	**R47**	**DT80K4**
	100.0	1.6	470	340	16.99	2	-	**R17**	**DT80K4**
	94.0	2.3	505	585	18.08	2	-	**R27**	**DT80K4**
	88.0	2.1	540	595	19.35	2	-	**R27**	**DT80K4**
	86.0	1.4	550	345	19.71	2	-	**R17**	**DT80K4**
	76.0	1.9	620	620	22.32	2	-	**R27**	**DT80K4**
	76.0	2.9	620	930	22.27	2	-	**R37**	**DT80K4**
	73.0	4.1	650	970	23.28	2	-	**R47**	**DT80K4**
	71.0	1.1	670	355	24.07	3	-	**R17**	**DT80K4**
	70.0	2.6	680	950	24.42	3	-	**R37**	**DT80K4**
	69.0	1.7	680	630	24.47	3	-	**R27**	**DT80K4**
	64.0	3.6	745	1010	26.74	2	-	**R47**	**DT80K4**
	59.0	1.5	800	655	28.78	3	-	**R27**	**DT80K4**
	59.0	2.2	800	990	28.73	3	-	**R37**	**DT80K4**
	57.0	3.2	830	1050	29.88	3	-	**R47**	**DT80K4**
	52.0	1.3	900	675	32.47	3	-	**R27**	**DT80K4**
	52.0	2.0	900	1030	32.40	3	-	**R37**	**DT80K4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.75	**49.0**	2.8	970	1090	34.73	3	-	**R47**	**DT80K4**
	46.0	1.1	1020	695	36.79	3	-	**R27**	**DT80K4**
	46.0	1.8	1020	1060	36.72	3	-	**R37**	**DT80K4**
	46.0	2.6	1030	1110	36.93	3	-	**R47**	**DT80K4**
	43.0	1.1	1090	705	39.25	3	-	**R27**	**DT80K4**
	43.0	1.6	1090	1080	39.17	3	-	**R37**	**DT80K4**
	40.0	2.2	1190	1160	42.87	3	-	**R47**	**DT80K4**
	38.0	1.4	1250	1110	44.81	3	-	**R37**	**DT80K4**
	36.0	2.0	1330	1190	47.75	3	-	**R47**	**DT80K4**
	35.0	1.3	1340	1130	48.08	3	-	**R37**	**DT80K4**
	35.0	3.0	1340	1520	48.23	3	-	**R57**	**DT80K4**
	33.0	3.7	1430	2330	51.56	3	-	**R67**	**DT80K4**
	32.0	1.8	1470	1220	52.69	3	-	**R47**	**DT80K4**
	32.0	2.7	1480	1560	53.22	3	-	**R57**	**DT80K4**
	30.0	1.2	1550	1170	55.76	3	-	**R37**	**DT80K4**
	30.0	1.7	1580	1250	56.73	3	-	**R47**	**DT80K4**
	30.0	2.5	1590	1590	57.29	3	-	**R57**	**DT80K4**
	28.0	1.1	1700	1130	61.18	3	-	**R37**	**DT80K4**
	28.0	3.1	1700	2310	61.26	3	-	**R67**	**DT80K4**
	26.0	1.5	1790	1290	64.21	3	-	**R47**	**DT80K4**
	26.0	2.2	1800	1650	64.85	3	-	**R57**	**DT80K4**
	25.0	1.4	1910	1300	68.54	3	-	**R47**	**DT80K4**
	25.0	2.1	1930	1670	69.23	3	-	**R57**	**DT80K4**
	24.0	2.7	1940	2290	69.75	3	-	**R67**	**DT80K4**
	23.0	1.9	2070	1710	48.23	3	-	**R57**	**DT80N6**
	23.0	2.6	2060	2280	74.17	3	-	**R67**	**DT80K4**
	22.0	1.3	2120	1280	76.23	3	-	**R47**	**DT80K4**
	21.0	1.8	2240	1740	80.55	3	-	**R57**	**DT80K4**
	20.0	1.1	2360	1260	84.90	3	-	**R47**	**DT80K4**
	20.0	2.2	2400	2250	86.11	3	-	**R67**	**DT80K4**
	19.0	1.6	2500	1730	89.71	3	-	**R57**	**DT80K4**
	18.0	1.0	2610	1220	93.68	3	-	**R47**	**DT80K4**
	18.0	2.0	2670	2220	95.91	3	-	**R67**	**DT80K4**
	17.0	1.5	2750	1710	98.99	3	-	**R57**	**DT80K4**
	17.0	2.5	2860	2860	102.99	3	-	**R77**	**DT80K4**
	16.0	1.4	2960	1690	106.58	3	-	**R57**	**DT80K4**
	15.0	1.7	3170	2150	113.94	3	-	**R67**	**DT80K4**
	14.0	1.2	3360	1660	120.63	3	-	**R57**	**DT80K4**
	14.0	2.2	3380	2820	121.42	3	-	**R77**	**DT80K4**
	13.0	1.1	3580	1640	128.77	3	-	**R57**	**DT80K4**
	13.0	1.5	3590	2090	128.97	3	-	**R67**	**DT80K4**
	13.0	2.1	3520	2810	81.80	3	-	**R77**	**DT80N6**
	12.0	1.1	3860	1610	89.71	3	-	**R57**	**DT80N6**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.75	**12.0**	1.4	3830	2050	137.67	3	-	**R67**	**DT80K4**
	12.0	3.5	3960	4490	142.41	3	-	**R87**	**DT80K4**
	11.0	1.2	4400	1930	158.14	3	-	**R67**	**DT80K4**
	11.0	1.7	4430	2710	102.99	3	-	**R77**	**DT80N6**
	11.0	3.2	4320	4490	155.34	3	-	**R87**	**DT80K4**
	10.0	1.2	4550	1900	105.83	3	-	**R67**	**DT80N6**
	10.0	1.6	4630	2690	166.59	3	-	**R77**	**DT80K4**
	9.6	1.1	4900	1810	113.94	3	-	**R67**	**DT80N6**
	9.4	2.7	5060	4490	181.77	3	-	**R87**	**DT80K4**
	9.1	1.4	5220	2610	121.42	3	-	**R77**	**DT80N6**
	8.8	2.5	5370	4490	124.97	3	-	**R87**	**DT80N6**
	8.5	1.1	5030	1780	201	2	2	**R67R37**	**DT80K4**
	8.3	2.4	5720	4490	205.71	3	-	**R87**	**DT80K4**
	7.9	1.2	5950	2490	138.39	3	-	**R77**	**DT80N6**
	7.8	2.3	6020	4490	216.54	3	-	**R87**	**DT80K4**
	7.6	1.2	6260	2440	145.67	3	-	**R77**	**DT80N6**
	7.2	1.3	5910	2500	236	2	2	**R77R37**	**DT80K4**
	6.9	2.0	6860	4490	246.54	3	-	**R87**	**DT80K4**
	6.7	2.2	6260	4490	256	2	2	**R87R57**	**DT80K4**
	6.6	1.0	7160	2250	166.59	3	-	**R77**	**DT80N6**
	6.3	2.1	6460	4490	268	3	2	**R87R57**	**DT80K4**
	6.2	1.1	6940	2300	276	2	2	**R77R37**	**DT80K4**
	6.1	1.8	7810	4490	181.77	3	-	**R87**	**DT80N6**
	5.9	1.0	7180	2250	289	3	2	**R77R37**	**DT80K4**
	5.9	3.3	8060	6360	289.74	3	-	**R97**	**DT80K4**
	5.7	1.9	7400	4490	300	2	2	**R87R57**	**DT80K4**
	5.3	1.6	8840	4460	205.71	3	-	**R87**	**DT80N6**
	5.1	1.5	9310	4410	216.54	3	-	**R87**	**DT80N6**
	5.1	2.8	9300	6330	216.28	3	-	**R97**	**DT80N6**
	5.1	3.2	8230	6360	336	3	2	**R97R57**	**DT80K4**
	4.9	3.1	8610	6350	349	2	2	**R97R57**	**DT80K4**
	4.7	1.6	8970	4440	361	2	2	**R87R57**	**DT80K4**
	4.6	2.6	10400	6300	241.25	3	-	**R97**	**DT80N6**
	4.6	2.9	9140	6340	370	2	2	**R97R57**	**DT80K4**
	4.5	1.3	10600	4270	246.54	3	-	**R87**	**DT80N6**
	4.5	2.9	9230	6330	379	3	2	**R97R57**	**DT80K4**
	4.3	1.5	9560	4380	398	3	2	**R87R57**	**DT80K4**
	4.3	2.4	11000	6290	255.71	3	-	**R97**	**DT80N6**
	4.2	1.4	9980	4340	400	2	2	**R87R57**	**DT80K4**
	4.0	2.5	10400	6300	420	2	2	**R97R57**	**DT80K4**
	3.9	2.5	10500	6300	431	3	2	**R97R57**	**DT80K4**
	3.8	2.1	12500	6240	289.74	3	-	**R97**	**DT80N6**
	3.7	2.3	11600	6270	466	2	2	**R97R57**	**DT80K4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.75	**3.6**	1.2	11800	4100	472	2	2	**R87R57**	**DT80K4**
	3.2	1.0	13500	3840	538	2	2	**R87R57**	**DT80K4**
	3.1	2.0	13800	6200	549	2	2	**R97R57**	**DT80K4**
	3.0	2.0	13400	6210	560	3	2	**R97R57**	**DT80K4**
	2.7	1.7	15700	6110	625	2	2	**R97R57**	**DT80K4**
	2.7	2.5	15200	8330	626	2	3	**R107R77**	**DT80K4**
	2.4	2.2	17500	8270	717	2	3	**R107R77**	**DT80K4**
	2.2	1.5	18400	5860	755	2	3	**R97R57**	**DT80K4**
	2.1	1.9	19900	8200	815	2	3	**R107R77**	**DT80K4**
	2.1	2.0	19600	8210	822	3	2	**R107R77**	**DT80K4**
	1.9	1.3	21500	5500	878	2	3	**R97R57**	**DT80K4**
	1.9	1.7	22400	8120	919	2	3	**R107R77**	**DT80K4**
	1.9	3.3	21500	13600	888	2	3	**R137R77**	**DT80K4**
	1.8	1.2	22900	5310	934	2	3	**R97R57**	**DT80K4**
	1.6	1.0	26700	4310	1084	2	3	**R97R57**	**DT80K4**
	1.6	1.5	25600	7930	1055	2	3	**R107R77**	**DT80K4**
	1.6	2.8	25300	13600	1043	2	3	**R137R77**	**DT80K4**
	1.5	1.5	26200	7880	1104	3	2	**R107R77**	**DT80K4**
	1.5	2.6	26900	13600	1105	2	3	**R137R77**	**DT80K4**
	1.4	1.3	29400	7610	1209	2	3	**R107R77**	**DT80K4**
	1.4	2.3	30700	13500	1256	2	3	**R137R77**	**DT80K4**
	1.2	1.1	34200	7110	1407	2	3	**R107R77**	**DT80K4**
	1.2	2.1	34200	13400	1391	2	3	**R137R77**	**DT80K4**
	1.1	1.0	37600	6680	1550	2	3	**R107R77**	**DT80K4**
	1.1	1.9	38300	13300	1586	2	3	**R137R77**	**DT80K4**
	1.1	3.2	36500	16500	1536	3	2	**R147R77**	**DT80K4**
	1.0	2.8	40700	16400	1705	3	2	**R147R77**	**DT80K4**
	0.91	1.6	45200	13100	1863	2	3	**R137R77**	**DT80K4**
	0.87	2.4	47500	16300	1951	3	2	**R147R77**	**DT80K4**
	0.82	1.4	50500	12900	2073	3	2	**R137R77**	**DT80K4**
	0.77	2.1	53900	16200	2211	3	2	**R147R77**	**DT80K4**
	0.76	1.3	54900	12700	2242	2	3	**R137R77**	**DT80K4**
	0.73	3.0	52900	27000	2333	3	2	**R167R97**	**DT80K4**
	0.68	1.2	61000	12500	2484	2	3	**R137R77**	**DT80K4**
	0.67	1.9	62300	16000	2555	3	2	**R147R77**	**DT80K4**
	0.64	2.6	61800	27000	2657	3	2	**R167R97**	**DT80K4**
	0.59	1.7	69300	15800	2898	3	3	**R147R77**	**DT80K4**
	0.58	1.0	72300	11900	2929	2	3	**R137R77**	**DT80K4**
	0.51	1.5	79200	15500	3302	3	3	**R147R77**	**DT80K4**
	0.45	1.3	90500	15200	3754	3	3	**R147R77**	**DT80K4**
	0.41	1.7	93400	27000	4129	3	3	**R167R97**	**DT80K4**
	0.39	1.1	103700	14600	4325	3	3	**R147R77**	**DT80K4**
	0.37	1.5	106300	27000	4650	3	3	**R167R97**	**DT80K4**

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See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.75	**0.31**	1.3	124400	27000	5407	3	3	**R167R97**	**DT80K4**
	0.28	1.2	139800	27000	6077	3	3	**R167R97**	**DT80K4**
1.0	**1305.0**	11.0	49	430	1.30	1	-	**RX57**	**DT80N4**
	1150.0	11.0	55	450	1.48	1	-	**RX57**	**DT80N4**
	1030.0	10.0	61	465	1.65	1	-	**RX57**	**DT80N4**
	915.0	16.0	69	595	1.86	1	-	**RX67**	**DT80N4**
	885.0	8.6	71	485	1.92	1	-	**RX57**	**DT80N4**
	833.0	8.0	76	495	2.04	1	-	**RX57**	**DT80N4**
	717.0	7.0	88	520	2.37	1	-	**RX57**	**DT80N4**
	669.0	11.0	95	660	2.54	1	-	**RX67**	**DT80N4**
	644.0	6.2	98	540	2.64	1	-	**RX57**	**DT80N4**
	584.0	5.5	108	555	2.91	1	-	**RX57**	**DT80N4**
	542.0	5.0	116	570	3.14	1	-	**RX57**	**DT80N4**
	505.0	5.6	125	350	3.37	2	-	**R27**	**DT80N4**
	479.0	4.6	132	590	3.55	1	-	**RX57**	**DT80N4**
	464.0	4.5	136	595	2.37	1	-	**RX57**	**DT90S6**
	443.0	2.8	142	225	3.83	2	-	**R17**	**DT80N4**
	425.0	5.1	149	370	4.00	2	-	**R27**	**DT80N4**
	398.0	4.9	158	380	4.27	2	-	**R27**	**DT80N4**
	377.0	2.5	167	235	4.51	2	-	**R17**	**DT80N4**
	351.0	3.2	180	650	3.14	1	-	**RX57**	**DT90S6**
	334.0	2.4	188	240	5.09	2	-	**R17**	**DT80N4**
	304.0	4.2	210	410	5.60	2	-	**R27**	**DT80N4**
	295.0	2.2	215	245	5.76	2	-	**R17**	**DT80N4**
	276.0	2.1	230	250	6.15	2	-	**R17**	**DT80N4**
	258.0	3.8	245	430	6.59	2	-	**R27**	**DT80N4**
	242.0	1.9	260	255	7.04	2	-	**R17**	**DT80N4**
	225.0	1.8	280	260	7.55	2	-	**R17**	**DT80N4**
	223.0	3.5	285	445	7.63	2	-	**R27**	**DT80N4**
	213.0	4.7	295	675	7.97	2	-	**R37**	**DT80N4**
	208.0	3.4	305	455	8.16	2	-	**R27**	**DT80N4**
	197.0	2.0	320	280	8.63	2	-	**R17**	**DT80N4**
	181.0	3.1	350	470	9.41	2	-	**R27**	**DT80N4**
	168.0	2.9	375	485	10.13	2	-	**R27**	**DT80N4**
	167.0	1.8	375	290	10.15	2	-	**R17**	**DT80N4**
	158.0	3.5	400	755	6.96	2	-	**R47**	**DT90S6**
	148.0	1.7	425	295	11.45	2	-	**R17**	**DT80N4**
	143.0	2.6	440	510	11.86	2	-	**R27**	**DT80N4**
	136.0	4.8	465	800	12.54	2	-	**R47**	**DT80N4**
	131.0	1.6	480	300	12.98	2	-	**R17**	**DT80N4**
	128.0	2.3	495	525	13.28	2	-	**R27**	**DT80N4**
	123.0	1.5	515	300	13.84	2	-	**R17**	**DT80N4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1.0	**117.0**	4.3	540	830	14.56	2	-	**R47**	**DT80N4**
	109.0	2.0	580	545	15.63	2	-	**R27**	**DT80N4**
	107.0	1.3	590	305	15.84	2	-	**R17**	**DT80N4**
	105.0	4.0	600	860	16.22	2	-	**R47**	**DT80N4**
	100.0	1.2	630	310	16.99	2	-	**R17**	**DT80N4**
	94.0	1.7	670	565	18.08	2	-	**R27**	**DT80N4**
	94.0	2.7	670	850	18.05	2	-	**R37**	**DT80N4**
	91.0	5.8	690	1130	18.60	2	-	**R57**	**DT80N4**
	88.0	1.6	720	575	19.35	2	-	**R27**	**DT80N4**
	88.0	2.5	715	870	19.31	2	-	**R37**	**DT80N4**
	86.0	1.1	730	310	19.71	2	-	**R17**	**DT80N4**
	83.0	1.5	760	580	13.28	2	-	**R27**	**DT90S6**
	76.0	1.4	830	590	22.32	2	-	**R27**	**DT80N4**
	76.0	2.1	830	900	22.27	2	-	**R37**	**DT80N4**
	73.0	3.1	860	950	23.28	2	-	**R47**	**DT80N4**
	70.0	2.0	910	920	24.42	3	-	**R37**	**DT80N4**
	69.0	1.3	910	605	24.47	3	-	**R27**	**DT80N4**
	64.0	2.7	990	990	26.74	2	-	**R47**	**DT80N4**
	59.0	1.1	1070	625	28.78	3	-	**R27**	**DT80N4**
	59.0	1.7	1070	960	28.73	3	-	**R37**	**DT80N4**
	57.0	2.4	1110	1020	29.88	3	-	**R47**	**DT80N4**
	52.0	1.5	1200	990	32.40	3	-	**R37**	**DT80N4**
	49.0	2.1	1290	1060	34.73	3	-	**R47**	**DT80N4**
	46.0	1.3	1360	1020	36.72	3	-	**R37**	**DT80N4**
	46.0	2.0	1370	1080	36.93	3	-	**R47**	**DT80N4**
	43.0	1.2	1450	1030	39.17	3	-	**R37**	**DT80N4**
	42.0	2.6	1510	1410	26.31	2	-	**R57**	**DT90S6**
	40.0	1.7	1590	1120	42.87	3	-	**R47**	**DT80N4**
	39.0	2.5	1610	1440	43.30	3	-	**R57**	**DT80N4**
	38.0	1.1	1660	1060	44.81	3	-	**R37**	**DT80N4**
	36.0	1.5	1770	1150	47.75	3	-	**R47**	**DT80N4**
	35.0	1.0	1780	1070	48.08	3	-	**R37**	**DT80N4**
	35.0	2.2	1790	1480	48.23	3	-	**R57**	**DT80N4**
	32.0	1.4	1950	1180	52.69	3	-	**R47**	**DT80N4**
	32.0	2.0	1970	1510	53.22	3	-	**R57**	**DT80N4**
	31.0	2.0	2010	1520	35.07	3	-	**R57**	**DT90S6**
	30.0	1.3	2100	1200	56.73	3	-	**R47**	**DT80N4**
	30.0	1.9	2130	1540	57.29	3	-	**R57**	**DT80N4**
	30.0	2.5	2110	2280	56.89	3	-	**R67**	**DT80N4**
	28.0	2.3	2270	2260	61.26	3	-	**R67**	**DT80N4**
	26.0	1.1	2380	1230	64.21	3	-	**R47**	**DT80N4**
	26.0	1.7	2410	1590	64.85	3	-	**R57**	**DT80N4**
	25.0	1.1	2540	1230	68.54	3	-	**R47**	**DT80N4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1.0	**25.0**	1.6	2570	1620	69.23	3	-	**R57**	**DT80N4**
	24.0	2.0	2590	2230	69.75	3	-	**R67**	**DT80N4**
	23.0	1.5	2760	1640	48.23	3	-	**R57**	**DT90S6**
	23.0	2.0	2750	2210	74.17	3	-	**R67**	**DT80N4**
	22.0	2.5	2860	2860	77.24	3	-	**R77**	**DT80N4**
	21.0	1.4	2990	1670	80.55	3	-	**R57**	**DT80N4**
	21.0	2.4	3030	2850	81.80	3	-	**R77**	**DT80N4**
	20.0	1.7	3190	2150	86.11	3	-	**R67**	**DT80N4**
	19.0	1.2	3330	1660	89.71	3	-	**R57**	**DT80N4**
	18.0	1.5	3560	2100	95.91	3	-	**R67**	**DT80N4**
	18.0	2.1	3450	2810	92.97	3	-	**R77**	**DT80N4**
	17.0	1.1	3670	1630	98.99	3	-	**R57**	**DT80N4**
	17.0	1.9	3820	2780	102.99	3	-	**R77**	**DT80N4**
	16.0	1.0	3950	1600	106.58	3	-	**R57**	**DT80N4**
	16.0	1.4	3920	2030	105.83	3	-	**R67**	**DT80N4**
	16.0	3.6	3840	4490	103.65	3	-	**R87**	**DT80N4**
	15.0	1.3	4230	1970	113.94	3	-	**R67**	**DT80N4**
	15.0	3.3	4160	4490	72.57	3	-	**R87**	**DT90S6**
	14.0	1.6	4500	2700	121.42	3	-	**R77**	**DT80N4**
	14.0	3.1	4390	4490	118.43	3	-	**R87**	**DT80N4**
	13.0	1.1	4780	1840	128.97	3	-	**R67**	**DT80N4**
	13.0	1.6	4690	2680	81.80	3	-	**R77**	**DT90S6**
	13.0	2.9	4700	4490	81.92	3	-	**R87**	**DT90S6**
	12.0	1.1	5110	1760	137.67	3	-	**R67**	**DT80N4**
	12.0	1.4	5130	2620	138.39	3	-	**R77**	**DT80N4**
	12.0	2.6	5280	4490	142.41	3	-	**R87**	**DT80N4**
	11.0	1.3	5900	2500	102.99	3	-	**R77**	**DT90S6**
	11.0	2.4	5760	4490	155.34	3	-	**R87**	**DT80N4**
	10.0	1.2	6180	2450	166.59	3	-	**R77**	**DT80N4**
	9.4	2.0	6740	4490	181.77	3	-	**R87**	**DT80N4**
	9.1	1.1	6960	2300	121.42	3	-	**R77**	**DT90S6**
	8.8	1.9	7160	4490	124.97	3	-	**R87**	**DT90S6**
	8.7	2.1	6540	4490	195	2	2	**R87R57**	**DT80N4**
	8.3	1.8	7630	4490	205.71	3	-	**R87**	**DT80N4**
	7.9	3.3	8020	6360	216.28	3	-	**R97**	**DT80N4**
	7.8	1.7	8030	4490	216.54	3	-	**R87**	**DT80N4**
	7.1	3.0	8950	6340	241.25	3	-	**R97**	**DT80N4**
	6.9	1.5	9140	4430	246.54	3	-	**R87**	**DT80N4**
	6.7	1.6	8490	4490	256	2	2	**R87R57**	**DT80N4**
	6.7	2.8	9480	6330	255.71	3	-	**R97**	**DT80N4**
	6.1	1.3	10400	4290	181.77	3	-	**R87**	**DT90S6**
	5.9	2.5	10700	6290	289.74	3	-	**R97**	**DT80N4**
	5.7	1.4	10000	4330	300	2	2	**R87R57**	**DT80N4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1.0	**5.3**	1.2	11800	4110	205.71	3	-	**R87**	**DT90S6**
	5.1	1.1	12400	4020	216.54	3	-	**R87**	**DT90S6**
	5.1	2.1	12400	6240	216.28	3	-	**R97**	**DT90S6**
	5.1	2.1	12400	6240	216.28	3	-	**R97**	**DT90S6**
	5.1	2.4	11100	6280	336	3	2	**R97R57**	**DT80N4**
	4.9	2.3	11700	6270	349	2	2	**R97R57**	**DT80N4**
	4.7	1.2	12100	4060	361	2	2	**R87R57**	**DT80N4**
	4.6	1.9	13800	6190	241.25	3	-	**R97**	**DT90S6**
	4.6	2.2	12400	6240	370	2	2	**R97R57**	**DT80N4**
	4.5	2.1	12500	6240	379	3	2	**R97R57**	**DT80N4**
	4.3	1.8	14700	6160	255.71	3	-	**R97**	**DT90S6**
	4.2	1.0	13500	3850	400	2	2	**R87R57**	**DT80N4**
	4.0	1.9	14100	6180	420	2	2	**R97R57**	**DT80N4**
	4.0	2.7	14200	8350	426	2	2	**R107R77**	**DT80N4**
	3.7	1.7	15700	6120	466	2	2	**R97R57**	**DT80N4**
	3.6	2.4	15700	8310	469	2	2	**R107R77**	**DT80N4**
	3.2	2.2	17200	8280	528	2	3	**R107R77**	**DT80N4**
	3.1	1.5	18600	5840	549	2	2	**R97R57**	**DT80N4**
	3.0	1.5	18200	5880	560	3	2	**R97R57**	**DT80N4**
	3.0	3.8	18900	13700	564	2	2	**R137R77**	**DT80N4**
	2.7	1.3	21200	5530	625	2	2	**R97R57**	**DT80N4**
	2.7	1.9	20600	8180	626	2	3	**R107R77**	**DT80N4**
	2.4	1.6	23600	8070	717	2	3	**R107R77**	**DT80N4**
	2.4	3.1	22700	13600	699	2	3	**R137R77**	**DT80N4**
	2.2	1.1	24900	5000	755	2	3	**R97R57**	**DT80N4**
	2.1	1.0	27200	3810	824	3	2	**R97R57**	**DT80N4**
	2.1	1.4	27000	7820	815	2	3	**R107R77**	**DT80N4**
	1.9	1.3	30300	7520	919	2	3	**R107R77**	**DT80N4**
	1.9	2.4	29100	13500	888	2	3	**R137R77**	**DT80N4**
	1.6	1.1	34700	7050	1055	2	3	**R107R77**	**DT80N4**
	1.6	2.1	34300	13400	1043	2	3	**R137R77**	**DT80N4**
	1.5	1.1	35700	6930	1104	3	2	**R107R77**	**DT80N4**
	1.5	2.0	36400	13300	1105	2	3	**R137R77**	**DT80N4**
	1.4	1.7	41500	13200	1256	2	3	**R137R77**	**DT80N4**
	1.3	2.7	43000	16400	1329	3	2	**R147R77**	**DT80N4**
	1.2	1.6	46100	13100	1391	2	3	**R137R77**	**DT80N4**
	1.1	1.4	51900	12900	1586	2	3	**R137R77**	**DT80N4**
	1.1	2.3	49700	16300	1536	3	2	**R147R77**	**DT80N4**
	1.0	2.1	55300	16200	1705	3	2	**R147R77**	**DT80N4**
	0.91	1.2	61300	12500	1863	2	3	**R137R77**	**DT80N4**
	0.87	1.8	64300	16000	1951	3	2	**R147R77**	**DT80N4**
	0.82	1.1	68300	12100	2073	3	2	**R137R77**	**DT80N4**
	0.82	2.5	64500	27000	2085	3	2	**R167R97**	**DT80N4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1.0	**0.77**	1.6	72900	15700	2211	3	2	**R147R77**	**DT80N4**
	0.73	2.2	72900	27000	2333	3	2	**R167R97**	**DT80N4**
	0.67	1.4	84200	15400	2555	3	2	**R147R77**	**DT80N4**
	0.64	1.9	84600	27000	2657	3	2	**R167R97**	**DT80N4**
	0.59	1.3	93900	15000	2898	3	3	**R147R77**	**DT80N4**
	0.51	1.1	107100	14500	3302	3	3	**R147R77**	**DT80N4**
	0.41	1.3	128400	27000	4129	3	3	**R167R97**	**DT80N4**
	0.37	1.1	145700	27000	4650	3	3	**R167R97**	**DT80N4**
1.5	**1320.0**	7.8	72	425	1.30	1	-	**RX57**	**DT90S4**
	1230.0	12.0	77	535	1.40	1	-	**RX67**	**DT90S4**
	1165.0	7.4	81	440	1.48	1	-	**RX57**	**DT90S4**
	1040.0	6.7	91	455	1.65	1	-	**RX57**	**DT90S4**
	926.0	11.0	102	585	1.86	1	-	**RX67**	**DT90S4**
	896.0	5.8	105	480	1.92	1	-	**RX57**	**DT90S4**
	842.0	5.4	112	485	2.04	1	-	**RX57**	**DT90S4**
	726.0	4.7	130	510	2.37	1	-	**RX57**	**DT90S4**
	677.0	7.5	140	645	2.54	1	-	**RX67**	**DT90S4**
	652.0	4.2	145	525	2.64	1	-	**RX57**	**DT90S4**
	590.0	3.7	160	545	2.91	1	-	**RX57**	**DT90S4**
	548.0	3.3	173	555	3.14	1	-	**RX57**	**DT90S4**
	510.0	3.8	185	340	3.37	2	-	**R27**	**DT90S4**
	485.0	3.1	196	575	3.55	1	-	**RX57**	**DT90S4**
	454.0	2.9	210	590	3.79	1	-	**RX57**	**DT90S4**
	430.0	3.4	220	360	4.00	2	-	**R27**	**DT90S4**
	403.0	3.3	235	365	4.27	2	-	**R27**	**DT90S4**
	380.0	2.9	250	775	4.53	1	-	**RX67**	**DT90S4**
	344.0	3.0	275	380	5.00	2	-	**R27**	**DT90S4**
	307.0	2.8	310	390	5.60	2	-	**R27**	**DT90S4**
	287.0	4.2	330	620	6.00	2	-	**R47**	**DT90S4**
	261.0	2.6	365	410	6.59	2	-	**R27**	**DT90S4**
	247.0	3.7	385	650	6.96	2	-	**R47**	**DT90S4**
	226.0	2.4	420	425	7.63	2	-	**R27**	**DT90S4**
	211.0	2.3	450	430	8.16	2	-	**R27**	**DT90S4**
	190.0	3.9	500	705	9.07	2	-	**R47**	**DT90S4**
	182.0	2.8	520	685	9.47	2	-	**R37**	**DT90S4**
	170.0	2.0	555	465	10.13	2	-	**R27**	**DT90S4**
	145.0	1.8	650	480	11.86	2	-	**R27**	**DT90S4**
	145.0	2.5	650	730	11.83	2	-	**R37**	**DT90S4**
	137.0	3.2	690	775	12.54	2	-	**R47**	**DT90S4**
	130.0	1.6	730	490	13.28	2	-	**R27**	**DT90S4**
	130.0	2.3	730	750	13.25	2	-	**R37**	**DT90S4**
	123.0	5.0	765	1010	13.95	2	-	**R57**	**DT90S4**
	118.0	2.9	800	810	14.56	2	-	**R47**	**DT90S4**

NOTES: **Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.**
See page 42 for available mounting options. See page 156 for weights.
Overhung loads (OHL) are at shaft midpoint.
See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1.5	**110.0**	1.4	860	510	15.63	2	-	**R27**	**DT90S4**
	110.0	2.1	860	780	15.60	2	-	**R37**	**DT90S4**
	106.0	2.7	890	830	16.22	2	-	**R47**	**DT90S4**
	102.0	4.3	920	1060	16.79	2	-	**R57**	**DT90S4**
	96.0	2.6	980	850	17.89	2	-	**R47**	**DT90S4**
	95.0	1.2	990	520	18.08	2	-	**R27**	**DT90S4**
	95.0	1.8	990	810	18.05	2	-	**R37**	**DT90S4**
	92.0	3.9	1020	1100	18.60	2	-	**R57**	**DT90S4**
	89.0	1.1	1060	530	19.35	2	-	**R27**	**DT90S4**
	89.0	1.7	1060	820	19.31	2	-	**R37**	**DT90S4**
	89.0	2.5	1060	870	19.27	2	-	**R47**	**DT90S4**
	85.0	1.1	1110	530	13.28	2	-	**R27**	**DT90L6**
	79.0	2.2	1200	900	21.81	2	-	**R47**	**DT90S4**
	74.0	2.1	1280	910	23.28	2	-	**R47**	**DT90S4**
	70.0	1.3	1340	870	24.42	3	-	**R37**	**DT90S4**
	69.0	2.9	1370	1190	24.99	2	-	**R57**	**DT90S4**
	65.0	2.8	1450	1200	26.31	2	-	**R57**	**DT90S4**
	64.0	1.8	1470	940	26.70	3	-	**R47**	**DT90S4**
	61.0	3.1	1550	2170	28.13	2	-	**R67**	**DT90S4**
	60.0	1.1	1580	840	28.73	3	-	**R37**	**DT90S4**
	58.0	1.6	1640	970	29.88	3	-	**R47**	**DT90S4**
	57.0	2.4	1660	1250	30.18	3	-	**R57**	**DT90S4**
	53.0	1.0	1780	770	32.40	3	-	**R37**	**DT90S4**
	52.0	2.2	1840	1280	21.93	2	-	**R57**	**DT90L6**
	50.0	1.4	1910	1000	34.73	3	-	**R47**	**DT90S4**
	49.0	2.1	1930	1290	35.07	3	-	**R57**	**DT90S4**
	47.0	1.3	2030	1010	36.93	3	-	**R47**	**DT90S4**
	46.0	2.0	2050	1310	37.30	3	-	**R57**	**DT90S4**
	43.0	1.8	2200	1330	26.31	2	-	**R57**	**DT90L6**
	43.0	2.3	2190	2270	39.88	3	-	**R67**	**DT90S4**
	40.0	1.2	2360	1040	42.87	3	-	**R47**	**DT90S4**
	40.0	1.7	2380	1360	43.30	3	-	**R57**	**DT90S4**
	40.0	2.0	2350	2250	28.13	2	-	**R67**	**DT90L6**
	37.0	2.1	2550	2230	46.29	3	-	**R67**	**DT90S4**
	36.0	1.0	2630	1070	47.75	3	-	**R47**	**DT90S4**
	36.0	1.5	2650	1390	48.23	3	-	**R57**	**DT90S4**
	33.0	1.9	2830	2200	51.56	3	-	**R67**	**DT90S4**
	33.0	2.5	2860	2860	52.07	3	-	**R77**	**DT90S4**
	32.0	1.4	2930	1420	53.22	3	-	**R57**	**DT90S4**
	30.0	1.3	3150	1440	57.29	3	-	**R57**	**DT90S4**
	30.0	1.7	3130	2160	56.89	3	-	**R67**	**DT90S4**
	30.0	2.3	3170	2840	57.68	3	-	**R77**	**DT90S4**
	28.0	1.6	3370	2130	61.26	3	-	**R67**	**DT90S4**

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Overhung loads (OHL) are at shaft midpoint.
See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1.5	**27.0**	1.1	3570	1480	64.85	3	-	**R57**	**DT90S4**
	26.0	2.0	3620	2800	65.77	3	-	**R77**	**DT90S4**
	25.0	1.1	3810	1500	69.23	3	-	**R57**	**DT90S4**
	25.0	1.4	3840	2050	69.75	3	-	**R67**	**DT90S4**
	24.0	1.4	3870	2040	46.29	3	-	**R67**	**DT90L6**
	24.0	3.4	3990	4490	72.57	3	-	**R87**	**DT90S4**
	23.0	1.3	4080	2000	74.17	3	-	**R67**	**DT90S4**
	22.0	1.7	4250	2730	77.24	3	-	**R77**	**DT90S4**
	21.0	1.6	4500	2710	81.80	3	-	**R77**	**DT90S4**
	21.0	3.0	4500	4490	81.92	3	-	**R87**	**DT90S4**
	20.0	1.1	4740	1860	86.11	3	-	**R67**	**DT90S4**
	19.0	1.4	5110	2630	92.97	3	-	**R77**	**DT90S4**
	18.0	1.0	5270	1710	95.91	3	-	**R67**	**DT90S4**
	18.0	2.7	5130	4490	93.38	3	-	**R87**	**DT90S4**
	17.0	1.3	5660	2540	102.99	3	-	**R77**	**DT90S4**
	17.0	2.4	5700	4490	103.65	3	-	**R87**	**DT90S4**
	15.0	1.1	6470	2400	77.24	3	-	**R77**	**DT90L6**
	15.0	2.1	6510	4490	118.43	3	-	**R87**	**DT90S4**
	14.0	1.1	6680	2360	121.42	3	-	**R77**	**DT90S4**
	14.0	2.0	6870	4490	124.97	3	-	**R87**	**DT90S4**
	12.0	1.0	7420	2190	149	3	2	**R77R37**	**DT90S4**
	12.0	1.8	7830	4490	142.41	3	-	**R87**	**DT90S4**
	12.0	3.4	7740	6370	92.48	3	-	**R97**	**DT90L6**
	11.0	1.6	8540	4490	155.34	3	-	**R87**	**DT90S4**
	11.0	3.2	8290	6360	150.78	3	-	**R97**	**DT90S4**
	10.0	2.8	9350	6330	170.02	3	-	**R97**	**DT90S4**
	9.5	1.4	10000	4340	181.77	3	-	**R87**	**DT90S4**
	9.2	2.6	10200	6310	186.30	3	-	**R97**	**DT90S4**
	8.8	1.4	9830	4350	195	2	2	**R87R57**	**DT90S4**
	8.4	1.2	11300	4170	205.71	3	-	**R87**	**DT90S4**
	8.2	1.4	10200	4310	209	3	2	**R87R57**	**DT90S4**
	7.9	1.2	11900	4090	216.54	3	-	**R87**	**DT90S4**
	7.9	2.2	11900	6260	216.28	3	-	**R97**	**DT90S4**
	7.3	1.1	13000	3930	155.34	3	-	**R87**	**DT90L6**
	7.1	2.0	13300	6210	241.25	3	-	**R97**	**DT90S4**
	6.7	1.1	12800	3960	256	2	2	**R87R57**	**DT90S4**
	6.7	1.9	14100	6180	255.71	3	-	**R97**	**DT90S4**
	6.4	1.1	13200	3890	268	3	2	**R87R57**	**DT90S4**
	6.4	2.0	13500	6200	270	2	2	**R97R57**	**DT90S4**
	6.1	1.7	15600	6120	186.30	3	-	**R97**	**DT90L6**
	6.1	2.7	14100	8350	284	2	2	**R107R77**	**DT90S4**
	5.8	1.8	14900	6150	297	2	2	**R97R57**	**DT90S4**
	5.3	2.3	16200	8300	325	2	2	**R107R77**	**DT90S4**

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See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1.5	**5.2**	1.5	18100	5890	216.28	3	-	**R97**	**DT90L6**
	4.9	1.5	17500	5940	349	2	2	**R97R57**	**DT90S4**
	4.7	1.3	20200	5660	241.25	3	-	**R97**	**DT90L6**
	4.7	1.5	18600	5840	370	2	2	**R97R57**	**DT90S4**
	4.6	2.0	18900	8230	377	2	2	**R107R77**	**DT90S4**
	4.5	1.4	18800	5820	379	3	2	**R97R57**	**DT90S4**
	4.4	1.3	21400	5510	255.71	3	-	**R97**	**DT90L6**
	4.1	1.3	21200	5530	420	2	2	**R97R57**	**DT90S4**
	4.0	1.8	21400	8150	426	2	2	**R107R77**	**DT90S4**
	3.8	3.1	22700	13600	453	2	2	**R137R77**	**DT90S4**
	3.7	1.2	23500	5210	466	2	2	**R97R57**	**DT90S4**
	3.7	1.6	23600	8080	469	2	2	**R107R77**	**DT90S4**
	3.5	1.1	23800	5160	484	3	2	**R97R57**	**DT90S4**
	3.3	1.5	25900	7900	528	2	3	**R107R77**	**DT90S4**
	3.3	2.7	26000	13600	517	2	2	**R137R77**	**DT90S4**
	3.2	1.5	26400	7870	544	3	2	**R107R77**	**DT90S4**
	3.0	2.5	28400	13500	564	2	2	**R137R77**	**DT90S4**
	2.8	1.3	31000	7450	626	2	3	**R107R77**	**DT90S4**
	2.8	2.4	29800	13500	609	2	3	**R137R77**	**DT90S4**
	2.5	2.1	34300	13400	699	2	3	**R137R77**	**DT90S4**
	2.4	1.1	35500	6950	717	2	3	**R107R77**	**DT90S4**
	2.4	2.0	35600	13400	730	3	2	**R137R77**	**DT90S4**
	2.2	3.0	38100	16500	784	3	2	**R147R77**	**DT90S4**
	1.9	1.6	43800	13100	888	2	3	**R137R77**	**DT90S4**
	1.9	2.7	43300	16400	889	3	2	**R147R77**	**DT90S4**
	1.7	2.3	50000	16300	1029	3	2	**R147R77**	**DT90S4**
	1.6	1.4	51600	12900	1043	2	3	**R137R77**	**DT90S4**
	1.5	2.0	56900	16100	1166	3	2	**R147R77**	**DT90S4**
	1.4	1.2	62400	12400	1256	2	3	**R137R77**	**DT90S4**
	1.3	1.8	65100	16000	1329	3	2	**R147R77**	**DT90S4**
	1.3	2.6	62000	27000	1279	3	2	**R167R97**	**DT90S4**
	1.2	1.0	69200	12100	1391	2	3	**R137R77**	**DT90S4**
	1.2	2.3	69700	27000	1438	3	2	**R167R97**	**DT90S4**
	1.1	1.6	75200	15700	1536	3	2	**R147R77**	**DT90S4**
	1.0	1.4	83600	15400	1705	3	2	**R147R77**	**DT90S4**
	1.0	2.0	78900	27000	1670	3	2	**R167R97**	**DT90S4**
	0.92	1.8	88700	27000	1877	3	2	**R167R97**	**DT90S4**
	0.88	1.2	96700	14900	1951	3	2	**R147R77**	**DT90S4**
	0.82	1.6	99100	27000	2085	3	2	**R167R97**	**DT90S4**
	0.78	1.1	109600	14300	2211	3	2	**R147R77**	**DT90S4**
	0.74	1.5	111600	27000	2333	3	2	**R167R97**	**DT90S4**
	0.65	1.3	128700	27000	2657	3	2	**R167R97**	**DT90S4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
2.0	**1320.0**	5.8	96	420	1.30	1	-	**RX57**	**DT90L4**
	1230.0	9.0	103	530	1.40	1	-	**RX67**	**DT90L4**
	1165.0	5.6	108	435	1.48	1	-	**RX57**	**DT90L4**
	1040.0	5.0	121	450	1.65	1	-	**RX57**	**DT90L4**
	926.0	8.2	136	580	1.86	1	-	**RX67**	**DT90L4**
	896.0	4.3	141	470	1.92	1	-	**RX57**	**DT90L4**
	842.0	4.1	150	480	2.04	1	-	**RX57**	**DT90L4**
	726.0	3.5	173	500	2.37	1	-	**RX57**	**DT90L4**
	677.0	5.6	187	640	2.54	1	-	**RX67**	**DT90L4**
	652.0	3.2	194	520	2.64	1	-	**RX57**	**DT90L4**
	590.0	2.8	215	535	2.91	1	-	**RX57**	**DT90L4**
	548.0	2.5	230	545	3.14	1	-	**RX57**	**DT90L4**
	510.0	2.8	245	335	3.37	2	-	**R27**	**DT90L4**
	485.0	2.3	260	565	3.55	1	-	**RX57**	**DT90L4**
	454.0	2.2	280	575	3.79	1	-	**RX57**	**DT90L4**
	430.0	2.6	295	350	4.00	2	-	**R27**	**DT90L4**
	403.0	2.5	315	355	4.27	2	-	**R27**	**DT90L4**
	380.0	2.2	330	760	4.53	1	-	**RX67**	**DT90L4**
	344.0	2.3	365	365	5.00	2	-	**R27**	**DT90L4**
	340.0	3.2	370	560	5.06	2	-	**R37**	**DT90L4**
	307.0	2.1	410	375	5.60	2	-	**R27**	**DT90L4**
	297.0	1.8	425	810	3.77	1	-	**RX67**	**DT100L6**
	287.0	3.1	440	610	6.00	2	-	**R47**	**DT90L4**
	277.0	2.4	455	590	4.05	2	-	**R37**	**DT100L6**
	261.0	2.0	485	390	6.59	2	-	**R27**	**DT90L4**
	247.0	2.8	510	635	6.96	2	-	**R47**	**DT90L4**
	237.0	2.0	535	1280	4.73	1	-	**RX77**	**DT100L6**
	226.0	1.8	560	405	7.63	2	-	**R27**	**DT90L4**
	222.0	2.5	570	655	7.76	2	-	**R47**	**DT90L4**
	216.0	2.4	585	635	7.97	2	-	**R37**	**DT90L4**
	211.0	1.7	600	410	8.16	2	-	**R27**	**DT90L4**
	190.0	2.9	665	690	9.07	2	-	**R47**	**DT90L4**
	182.0	2.1	695	665	9.47	2	-	**R37**	**DT90L4**
	170.0	1.5	740	440	10.13	2	-	**R27**	**DT90L4**
	170.0	2.0	740	675	10.11	2	-	**R37**	**DT90L4**
	159.0	4.4	790	920	10.79	2	-	**R57**	**DT90L4**
	146.0	2.5	860	740	11.79	2	-	**R47**	**DT90L4**
	145.0	1.3	870	455	11.86	2	-	**R27**	**DT90L4**
	145.0	1.9	870	705	11.83	2	-	**R37**	**DT90L4**
	137.0	2.4	920	755	12.54	2	-	**R47**	**DT90L4**
	130.0	1.2	970	460	13.28	2	-	**R27**	**DT90L4**
	130.0	1.8	970	720	13.25	2	-	**R37**	**DT90L4**
	123.0	3.7	1020	990	13.95	2	-	**R57**	**DT90L4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
2.0	**118.0**	2.2	1070	780	14.56	2	-	**R47**	**DT90L4**
	110.0	1.0	1150	470	15.63	2	-	**R27**	**DT90L4**
	110.0	1.6	1140	745	15.60	2	-	**R37**	**DT90L4**
	106.0	2.0	1190	800	16.22	2	-	**R47**	**DT90L4**
	102.0	3.2	1230	1040	16.79	2	-	**R57**	**DT90L4**
	96.0	2.0	1310	820	17.89	2	-	**R47**	**DT90L4**
	95.0	1.4	1320	735	18.05	2	-	**R37**	**DT90L4**
	92.0	2.9	1360	1060	18.60	2	-	**R57**	**DT90L4**
	89.0	1.3	1420	710	19.31	2	-	**R37**	**DT90L4**
	89.0	1.9	1410	840	19.27	2	-	**R47**	**DT90L4**
	86.0	3.6	1460	1930	19.89	2	-	**R67**	**DT90L4**
	79.0	1.7	1600	860	21.81	2	-	**R47**	**DT90L4**
	78.0	2.5	1610	1110	21.93	2	-	**R57**	**DT90L4**
	74.0	1.6	1710	870	23.28	2	-	**R47**	**DT90L4**
	73.0	2.9	1720	2020	23.44	2	-	**R67**	**DT90L4**
	70.0	1.0	1790	580	24.42	3	-	**R37**	**DT90L4**
	69.0	2.2	1830	1150	24.99	2	-	**R57**	**DT90L4**
	65.0	2.1	1930	1160	26.31	2	-	**R57**	**DT90L4**
	64.0	1.4	1960	900	26.70	3	-	**R47**	**DT90L4**
	61.0	2.3	2060	2130	28.13	2	-	**R67**	**DT90L4**
	58.0	1.2	2190	920	29.88	3	-	**R47**	**DT90L4**
	57.0	1.8	2210	1200	30.18	3	-	**R57**	**DT90L4**
	53.0	2.0	2370	2210	32.27	3	-	**R67**	**DT90L4**
	51.0	3.0	2450	2770	33.47	3	-	**R77**	**DT90L4**
	50.0	1.1	2550	940	34.73	3	-	**R47**	**DT90L4**
	49.0	1.6	2570	1230	35.07	3	-	**R57**	**DT90L4**
	47.0	1.0	2710	950	36.93	3	-	**R47**	**DT90L4**
	47.0	2.7	2700	2850	36.83	3	-	**R77**	**DT90L4**
	46.0	1.5	2730	1250	37.30	3	-	**R57**	**DT90L4**
	44.0	2.4	2840	2860	25.23	3	-	**R77**	**DT100L6**
	43.0	1.8	2920	2190	39.88	3	-	**R67**	**DT90L4**
	40.0	1.3	3170	1290	43.30	3	-	**R57**	**DT90L4**
	40.0	2.3	3170	2840	43.26	3	-	**R77**	**DT90L4**
	38.0	2.2	3360	2820	45.81	3	-	**R77**	**DT90L4**
	37.0	1.6	3390	2120	46.29	3	-	**R67**	**DT90L4**
	36.0	1.2	3540	1310	48.23	3	-	**R57**	**DT90L4**
	36.0	3.9	3490	4480	47.58	3	-	**R87**	**DT90L4**
	33.0	1.4	3780	2060	51.56	3	-	**R67**	**DT90L4**
	33.0	3.5	3870	4490	52.82	3	-	**R87**	**DT90L4**
	32.0	1.0	3900	1330	53.22	3	-	**R57**	**DT90L4**
	30.0	1.3	4170	1980	56.89	3	-	**R67**	**DT90L4**
	30.0	1.7	4230	2740	57.68	3	-	**R77**	**DT90L4**
	29.0	3.1	4420	4490	60.35	3	-	**R87**	**DT90L4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
2.0	**28.0**	1.2	4490	1910	61.26	3	-	**R67**	**DT90L4**
	27.0	2.9	4670	4490	63.68	3	-	**R87**	**DT90L4**
	26.0	1.5	4820	2660	65.77	3	-	**R77**	**DT90L4**
	25.0	1.1	5110	1760	69.75	3	-	**R67**	**DT90L4**
	24.0	1.4	5160	2620	45.81	3	-	**R77**	**DT100L6**
	24.0	2.6	5320	4490	72.57	3	-	**R87**	**DT90L4**
	23.0	1.0	5440	1660	74.17	3	-	**R67**	**DT90L4**
	22.0	1.3	5660	2540	77.24	3	-	**R77**	**DT90L4**
	21.0	1.2	6000	2490	81.80	3	-	**R77**	**DT90L4**
	21.0	2.3	6010	4490	81.92	3	-	**R87**	**DT90L4**
	19.0	1.1	6820	2330	92.97	3	-	**R77**	**DT90L4**
	18.0	2.0	6850	4490	93.38	3	-	**R87**	**DT90L4**
	17.0	1.0	7400	2190	65.77	3	-	**R77**	**DT100L6**
	17.0	1.8	7600	4490	103.65	3	-	**R87**	**DT90L4**
	17.0	3.5	7580	6370	103.44	3	-	**R97**	**DT90L4**
	15.0	1.6	8680	4470	118.43	3	-	**R87**	**DT90L4**
	15.0	3.1	8540	6350	116.48	3	-	**R97**	**DT90L4**
	14.0	1.5	9160	4430	124.97	3	-	**R87**	**DT90L4**
	14.0	2.9	9290	6330	126.75	3	-	**R97**	**DT90L4**
	13.0	2.8	9360	6330	83.15	3	-	**R97**	**DT100L6**
	12.0	1.3	10400	4280	142.41	3	-	**R87**	**DT90L4**
	12.0	2.5	10400	6300	92.48	3	-	**R97**	**DT100L6**
	11.0	1.2	11400	4160	155.34	3	-	**R87**	**DT90L4**
	11.0	2.4	11100	6280	150.78	3	-	**R97**	**DT90L4**
	10.0	2.1	12500	6240	170.02	3	-	**R97**	**DT90L4**
	9.5	1.1	13300	3870	181.77	3	-	**R87**	**DT90L4**
	9.2	2.0	13700	6200	186.30	3	-	**R97**	**DT90L4**
	8.8	1.1	13200	3890	195	2	2	**R87R57**	**DT90L4**
	8.2	1.0	13800	3790	209	3	2	**R87R57**	**DT90L4**
	8.2	2.0	13800	6190	209	3	2	**R97R57**	**DT90L4**
	7.9	1.7	15900	6100	216.28	3	-	**R97**	**DT90L4**
	7.9	2.4	16000	8310	141.83	3	-	**R107**	**DT100L6**
	7.8	2.6	14700	8340	220	2	2	**R107R77**	**DT90L4**
	7.1	1.5	17700	5930	241.25	3	-	**R97**	**DT90L4**
	7.1	2.1	17900	8260	158.68	3	-	**R107**	**DT100L6**
	6.7	1.4	18700	5820	255.71	3	-	**R97**	**DT90L4**
	6.7	2.2	17100	8280	256	2	2	**R107R77**	**DT90L4**
	6.5	2.0	19400	8220	172.34	3	-	**R107**	**DT100L6**
	6.4	1.5	18200	5880	270	2	2	**R97R57**	**DT90L4**
	6.1	2.0	19000	8230	284	2	2	**R107R77**	**DT90L4**
	6.0	1.3	21000	5560	186.30	3	-	**R97**	**DT100L6**
	5.8	1.4	20000	5680	297	2	2	**R97R57**	**DT90L4**
	5.8	3.6	19800	13700	297	2	2	**R137R77**	**DT90L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
2.0	**5.5**	1.7	22900	8100	203.16	3	-	**R107**	**DT100L6**
	5.3	1.8	21800	8140	325	2	2	**R107R77**	**DT90L4**
	5.2	1.1	24400	5080	216.28	3	-	**R97**	**DT100L6**
	5.1	3.1	22700	13600	339	2	2	**R137R77**	**DT90L4**
	4.9	1.2	23600	5200	349	2	2	**R97R57**	**DT90L4**
	4.9	1.5	25900	7900	229.95	3	-	**R107**	**DT100L6**
	4.7	1.1	25000	4980	370	2	2	**R97R57**	**DT90L4**
	4.6	1.5	25400	7940	377	2	2	**R107R77**	**DT90L4**
	4.6	2.8	25200	13600	376	2	2	**R137R77**	**DT90L4**
	4.5	1.1	25200	4940	379	3	2	**R97R57**	**DT90L4**
	4.5	1.4	28300	7710	251.15	3	-	**R107**	**DT100L6**
	4.1	1.4	27300	7790	417	3	2	**R107R77**	**DT90L4**
	4.0	1.3	28800	7660	426	2	2	**R107R77**	**DT90L4**
	3.8	2.3	30500	13500	453	2	2	**R137R77**	**DT90L4**
	3.7	1.2	31700	7380	469	2	2	**R107R77**	**DT90L4**
	3.3	1.1	34900	7030	528	2	3	**R107R77**	**DT90L4**
	3.3	2.0	34900	13400	517	2	2	**R137R77**	**DT90L4**
	3.2	1.1	35600	6940	544	3	2	**R107R77**	**DT90L4**
	3.1	3.1	36800	16500	558	3	2	**R147R77**	**DT90L4**
	3.0	1.9	38100	13300	564	2	2	**R137R77**	**DT90L4**
	2.8	1.8	40100	13200	609	2	3	**R137R77**	**DT90L4**
	2.8	2.8	40900	16400	619	3	2	**R147R77**	**DT90L4**
	2.5	1.6	46200	13100	699	2	3	**R137R77**	**DT90L4**
	2.5	2.5	45500	16400	695	3	2	**R147R77**	**DT90L4**
	2.4	1.5	48000	13000	730	3	2	**R137R77**	**DT90L4**
	2.2	2.2	51400	16300	784	3	2	**R147R77**	**DT90L4**
	1.9	1.2	58900	12600	888	2	3	**R137R77**	**DT90L4**
	1.9	2.0	58400	16100	889	3	2	**R147R77**	**DT90L4**
	1.7	1.7	67500	15900	1029	3	2	**R147R77**	**DT90L4**
	1.7	2.5	64800	27000	999	3	2	**R167R97**	**DT90L4**
	1.6	1.0	69400	12100	1043	2	3	**R137R77**	**DT90L4**
	1.5	1.5	76700	15600	1166	3	2	**R147R77**	**DT90L4**
	1.5	2.2	72800	27000	1123	3	2	**R167R97**	**DT90L4**
	1.3	1.3	87600	15300	1329	3	2	**R147R77**	**DT90L4**
	1.3	1.9	83700	27000	1279	3	2	**R167R97**	**DT90L4**
	1.2	1.7	94100	27000	1438	3	2	**R167R97**	**DT90L4**
	1.1	1.2	101300	14700	1536	3	2	**R147R77**	**DT90L4**
	1.0	1.0	112600	14200	1705	3	2	**R147R77**	**DT90L4**
	1.0	1.5	107300	27000	1670	3	2	**R167R97**	**DT90L4**
	0.92	1.3	120600	27000	1877	3	2	**R167R97**	**DT90L4**
	0.82	1.2	134600	27000	2085	3	2	**R167R97**	**DT90L4**
	0.74	1.1	151300	27000	2333	3	2	**R167R97**	**DT90L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
3.0	**1320.0**	3.9	143	410	1.30	1	-	**RX57**	**DT100LS4**
	1230.0	6.0	154	520	1.40	1	-	**RX67**	**DT100LS4**
	1165.0	3.7	162	425	1.48	1	-	**RX57**	**DT100LS4**
	1040.0	3.4	181	440	1.65	1	-	**RX57**	**DT100LS4**
	926.0	5.4	205	570	1.86	1	-	**RX67**	**DT100LS4**
	896.0	2.9	210	455	1.92	1	-	**RX57**	**DT100LS4**
	842.0	2.7	225	465	2.04	1	-	**RX57**	**DT100LS4**
	726.0	2.3	260	485	2.37	1	-	**RX57**	**DT100LS4**
	677.0	3.7	280	625	2.54	1	-	**RX67**	**DT100LS4**
	652.0	2.1	290	500	2.64	1	-	**RX57**	**DT100LS4**
	595.0	3.0	320	645	2.89	1	-	**RX67**	**DT100LS4**
	548.0	1.7	345	525	3.14	1	-	**RX57**	**DT100LS4**
	538.0	2.5	350	665	3.20	1	-	**RX67**	**DT100LS4**
	510.0	1.9	370	315	3.37	2	-	**R27**	**DT100LS4**
	505.0	2.6	375	485	3.41	2	-	**R37**	**DT100LS4**
	456.0	1.9	415	700	3.77	1	-	**RX67**	**DT100LS4**
	449.0	3.0	420	520	3.83	2	-	**R47**	**DT100LS4**
	430.0	1.7	440	325	4.00	2	-	**R27**	**DT100LS4**
	425.0	2.4	445	505	4.05	2	-	**R37**	**DT100LS4**
	403.0	1.7	470	330	4.27	2	-	**R27**	**DT100LS4**
	398.0	2.3	475	515	4.32	2	-	**R37**	**DT100LS4**
	354.0	2.5	535	555	4.85	2	-	**R47**	**DT100LS4**
	344.0	1.6	550	340	5.00	2	-	**R27**	**DT100LS4**
	340.0	2.2	555	535	5.06	2	-	**R37**	**DT100LS4**
	307.0	1.4	615	350	5.60	2	-	**R27**	**DT100LS4**
	304.0	2.0	625	550	5.67	2	-	**R37**	**DT100LS4**
	287.0	2.1	660	585	6.00	2	-	**R47**	**DT100LS4**
	274.0	4.2	690	1340	6.27	2	-	**R67**	**DT100LS4**
	268.0	4.2	705	770	6.41	2	-	**R57**	**DT100LS4**
	261.0	1.3	725	315	6.59	2	-	**R27**	**DT100LS4**
	258.0	1.8	735	570	6.67	2	-	**R37**	**DT100LS4**
	247.0	1.9	765	605	6.96	2	-	**R47**	**DT100LS4**
	229.0	3.7	830	810	7.53	2	-	**R57**	**DT100LS4**
	222.0	1.7	850	625	7.76	2	-	**R47**	**DT100LS4**
	216.0	1.6	880	600	7.97	2	-	**R37**	**DT100LS4**
	215.0	2.1	880	640	8.01	2	-	**R47**	**DT100LS4**
	198.0	4.1	960	1470	8.70	2	-	**R67**	**DT100LS4**
	190.0	2.0	1000	660	9.07	2	-	**R47**	**DT100LS4**
	184.0	3.2	1030	850	9.35	2	-	**R57**	**DT100LS4**
	182.0	1.4	1040	615	9.47	2	-	**R37**	**DT100LS4**
	172.0	3.8	1100	1540	10.00	2	-	**R67**	**DT100LS4**
	170.0	1.4	1110	595	10.11	2	-	**R37**	**DT100LS4**
	159.0	2.9	1190	880	10.79	2	-	**R57**	**DT100LS4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
3.0	**146.0**	1.7	1300	700	11.79	2	-	**R47**	**DT100LS4**
	145.0	1.3	1300	530	11.83	2	-	**R37**	**DT100LS4**
	145.0	2.7	1310	900	11.88	2	-	**R57**	**DT100LS4**
	137.0	1.6	1380	710	12.54	2	-	**R47**	**DT100LS4**
	135.0	3.3	1400	1650	12.70	2	-	**R67**	**DT100LS4**
	130.0	1.2	1460	475	13.25	2	-	**R37**	**DT100LS4**
	123.0	2.5	1530	940	13.95	2	-	**R57**	**DT100LS4**
	118.0	1.5	1600	735	14.56	2	-	**R47**	**DT100LS4**
	116.0	2.4	1620	950	14.77	2	-	**R57**	**DT100LS4**
	110.0	1.1	1720	375	15.60	2	-	**R37**	**DT100LS4**
	109.0	2.8	1740	1750	15.79	2	-	**R67**	**DT100LS4**
	106.0	1.4	1780	750	16.22	2	-	**R47**	**DT100LS4**
	102.0	2.2	1850	980	16.79	2	-	**R57**	**DT100LS4**
	96.0	2.6	1970	1810	17.95	2	-	**R67**	**DT100LS4**
	92.0	2.0	2050	1000	18.60	2	-	**R57**	**DT100LS4**
	89.0	1.3	2120	770	19.27	2	-	**R47**	**DT100LS4**
	86.0	2.4	2190	1860	19.89	2	-	**R67**	**DT100LS4**
	80.0	3.1	2360	2370	21.43	2	-	**R77**	**DT100LS4**
	78.0	1.7	2410	1040	21.93	2	-	**R57**	**DT100LS4**
	74.0	2.8	2570	2430	23.37	2	-	**R77**	**DT100LS4**
	73.0	1.0	2590	795	23.59	3	-	**R47**	**DT100LS4**
	73.0	1.9	2580	1950	23.44	2	-	**R67**	**DT100LS4**
	68.0	2.5	2780	2480	25.23	3	-	**R77**	**DT100LS4**
	64.0	1.4	2970	1080	26.97	3	-	**R57**	**DT100LS4**
	60.0	1.5	3170	2050	28.83	3	-	**R67**	**DT100LS4**
	59.0	2.3	3190	2580	29.00	3	-	**R77**	**DT100LS4**
	57.0	1.2	3320	1090	30.18	3	-	**R57**	**DT100LS4**
	53.0	1.4	3550	2100	32.27	3	-	**R67**	**DT100LS4**
	51.0	2.0	3680	2680	33.47	3	-	**R77**	**DT100LS4**
	49.0	1.1	3860	1120	35.07	3	-	**R57**	**DT100LS4**
	47.0	1.8	4050	2750	36.83	3	-	**R77**	**DT100LS4**
	47.0	3.4	4050	4070	36.84	3	-	**R87**	**DT100LS4**
	46.0	1.2	4120	1990	37.50	3	-	**R67**	**DT100LS4**
	43.0	1.2	4390	1940	39.88	3	-	**R67**	**DT100LS4**
	41.0	3.0	4590	4220	41.74	3	-	**R87**	**DT100LS4**
	40.0	1.6	4760	2670	43.26	3	-	**R77**	**DT100LS4**
	38.0	1.5	5040	2640	45.81	3	-	**R77**	**DT100LS4**
	37.0	1.1	5090	1760	46.29	3	-	**R67**	**DT100LS4**
	36.0	2.6	5230	4380	47.58	3	-	**R87**	**DT100LS4**
	33.0	1.3	5730	2530	52.07	3	-	**R77**	**DT100LS4**
	33.0	2.4	5810	4490	52.82	3	-	**R87**	**DT100LS4**
	31.0	2.2	6110	4490	36.84	3	-	**R87**	**DV112M6**
	30.0	1.2	6340	2420	57.68	3	-	**R77**	**DT100LS4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
3.0	**29.0**	2.1	6640	4490	60.35	3	-	**R87**	**DT100LS4**
	27.0	2.0	7000	4490	63.68	3	-	**R87**	**DT100LS4**
	26.0	1.0	7230	2230	65.77	3	-	**R77**	**DT100LS4**
	26.0	3.7	7170	5870	65.21	3	-	**R97**	**DT100LS4**
	24.0	1.7	7980	4490	72.57	3	-	**R87**	**DT100LS4**
	24.0	3.3	7940	6040	72.17	3	-	**R97**	**DT100LS4**
	21.0	1.5	9010	4440	81.92	3	-	**R87**	**DT100LS4**
	21.0	2.9	9140	6290	83.15	3	-	**R97**	**DT100LS4**
	19.0	2.6	10200	6310	92.48	3	-	**R97**	**DT100LS4**
	18.0	1.4	10300	4300	93.38	3	-	**R87**	**DT100LS4**
	17.0	1.2	11400	4160	103.65	3	-	**R87**	**DT100LS4**
	17.0	2.3	11400	6280	103.44	3	-	**R97**	**DT100LS4**
	15.0	1.1	13000	3920	118.43	3	-	**R87**	**DT100LS4**
	15.0	2.1	12800	6230	116.48	3	-	**R97**	**DT100LS4**
	14.0	1.0	13700	3800	124.97	3	-	**R87**	**DT100LS4**
	14.0	1.9	13900	6190	126.75	3	-	**R97**	**DT100LS4**
	13.0	2.7	14000	8350	127.68	3	-	**R107**	**DT100LS4**
	12.0	1.8	15300	6130	92.48	3	-	**R97**	**DV112M6**
	12.0	2.4	15600	8320	141.83	3	-	**R107**	**DT100LS4**
	11.0	1.6	16600	6040	150.78	3	-	**R97**	**DT100LS4**
	11.0	2.2	17500	8270	158.68	3	-	**R107**	**DT100LS4**
	10.0	1.4	18700	5830	170.02	3	-	**R97**	**DT100LS4**
	10.0	2.0	19000	8230	172.34	3	-	**R107**	**DT100LS4**
	9.8	1.4	19300	5760	116.48	3	-	**R97**	**DV112M6**
	9.2	1.3	20500	5620	186.30	3	-	**R97**	**DT100LS4**
	8.9	2.0	19500	8210	193	2	2	**R107R77**	**DT100LS4**
	8.5	1.7	22300	8120	203.16	3	-	**R107**	**DT100LS4**
	7.9	1.1	23800	5170	216.28	3	-	**R97**	**DT100LS4**
	7.6	1.2	23200	5260	227	2	2	**R97R57**	**DT100LS4**
	7.5	1.5	25300	7950	229.95	3	-	**R107**	**DT100LS4**
	7.4	1.2	23400	5240	234	3	2	**R97R57**	**DT100LS4**
	6.9	1.1	25000	4980	249	3	2	**R97R57**	**DT100LS4**
	6.8	1.4	27600	7760	251.15	3	-	**R107**	**DT100LS4**
	6.6	1.4	28600	7680	172.34	3	-	**R107**	**DV112M6**
	6.1	1.3	28800	7660	284	2	2	**R107R77**	**DT100LS4**
	6.0	1.4	28400	7690	285	3	2	**R107R77**	**DT100LS4**
	5.8	2.3	30100	13500	297	2	2	**R137R77**	**DT100LS4**
	5.6	1.2	33700	7160	203.16	3	-	**R107**	**DV112M6**
	5.3	1.2	33000	7240	325	2	2	**R107R77**	**DT100LS4**
	5.1	2.1	34400	13400	339	2	2	**R137R77**	**DT100LS4**
	5.0	1.0	38200	6610	229.95	3	-	**R107**	**DV112M6**
	4.6	1.0	38400	6570	377	2	2	**R107R77**	**DT100LS4**
	4.6	1.9	38200	13300	376	2	2	**R137R77**	**DT100LS4**

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See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
3.0	**4.2**	2.8	41400	16400	415	3	2	**R147R77**	**DT100LS4**
	3.8	1.6	46200	13100	453	2	2	**R137R77**	**DT100LS4**
	3.5	2.4	48800	16300	489	3	2	**R147R77**	**DT100LS4**
	3.3	1.4	52700	12800	517	2	2	**R137R77**	**DT100LS4**
	3.1	2.1	55800	16200	558	3	2	**R147R77**	**DT100LS4**
	3.0	1.3	57600	12600	564	2	2	**R137R77**	**DT100LS4**
	2.8	1.2	60800	12500	609	2	3	**R137R77**	**DT100LS4**
	2.8	1.9	62000	16000	619	3	2	**R147R77**	**DT100LS4**
	2.6	2.5	63800	27000	656	3	2	**R167R97**	**DT100LS4**
	2.5	1.0	70000	12000	699	2	3	**R137R77**	**DT100LS4**
	2.5	1.7	69100	15800	695	3	2	**R147R77**	**DT100LS4**
	2.3	2.1	75300	27000	760	3	2	**R167R97**	**DT100LS4**
	2.2	1.5	78100	15600	784	3	2	**R147R77**	**DT100LS4**
	2.0	1.9	85100	27000	861	3	2	**R167R97**	**DT100LS4**
	1.9	1.3	88600	15200	889	3	2	**R147R77**	**DT100LS4**
	1.7	1.1	102500	14700	1029	3	2	**R147R77**	**DT100LS4**
	1.7	1.6	98800	27000	999	3	2	**R167R97**	**DT100LS4**
	1.5	1.0	116300	14000	1166	3	2	**R147R77**	**DT100LS4**
	1.5	1.5	111000	27000	1123	3	2	**R167R97**	**DT100LS4**
	1.4	1.4	119900	27000	1229	2	3	**R167R107**	**DT100LS4**
	1.3	1.3	127200	27000	1279	3	2	**R167R97**	**DT100LS4**
	1.2	1.1	143000	27000	1438	3	2	**R167R97**	**DT100LS4**
5.0	**1290.0**	2.3	245	390	1.30	1	-	**RX57**	**DT100L4**
	1200.0	3.5	265	505	1.40	1	-	**RX67**	**DT100L4**
	1140.0	2.2	275	405	1.48	1	-	**RX57**	**DT100L4**
	1015.0	2.0	310	415	1.65	1	-	**RX57**	**DT100L4**
	905.0	3.2	350	545	1.86	1	-	**RX67**	**DT100L4**
	875.0	1.7	360	430	1.92	1	-	**RX57**	**DT100L4**
	823.0	1.6	385	440	2.04	1	-	**RX57**	**DT100L4**
	822.0	3.1	385	560	2.04	1	-	**RX67**	**DT100L4**
	709.0	1.4	445	455	2.37	1	-	**RX57**	**DT100L4**
	700.0	2.4	450	585	2.40	1	-	**RX67**	**DT100L4**
	661.0	2.2	475	595	2.54	1	-	**RX67**	**DT100L4**
	636.0	1.3	495	465	2.64	1	-	**RX57**	**DT100L4**
	623.0	3.8	505	900	2.70	1	-	**RX77**	**DT100L4**
	582.0	1.8	540	615	2.89	1	-	**RX67**	**DT100L4**
	545.0	3.0	580	940	3.08	1	-	**RX77**	**DT100L4**
	536.0	1.0	590	470	3.14	1	-	**RX57**	**DT100L4**
	525.0	1.5	600	630	3.20	1	-	**RX67**	**DT100L4**
	517.0	2.6	610	950	3.25	1	-	**RX77**	**DT100L4**
	493.0	1.5	640	440	3.41	2	-	**R37**	**DT100L4**
	483.0	5.5	650	1250	3.48	1	-	**RX87**	**DT100L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
5.0	**454.0**	2.0	695	990	3.70	1	-	**RX77**	**DT100L4**
	445.0	1.1	710	655	3.77	1	-	**RX67**	**DT100L4**
	438.0	1.8	720	490	3.83	2	-	**R47**	**DT100L4**
	415.0	1.4	760	395	4.05	2	-	**R37**	**DT100L4**
	391.0	3.0	810	1170	4.29	2	-	**R67**	**DT100L4**
	389.0	1.4	810	375	4.32	2	-	**R37**	**DT100L4**
	383.0	3.0	820	670	4.39	2	-	**R57**	**DT100L4**
	355.0	1.3	890	1060	4.73	1	-	**RX77**	**DT100L4**
	346.0	1.5	910	520	4.85	2	-	**R47**	**DT100L4**
	333.0	2.8	950	690	5.05	2	-	**R57**	**DT100L4**
	332.0	1.3	949	315	5.06	2	-	**R37**	**DT100L4**
	302.0	1.9	1040	1430	5.56	1	-	**RX87**	**DT100L4**
	296.0	1.2	1064	260	5.67	2	-	**R37**	**DT100L4**
	288.0	2.6	1090	715	5.82	2	-	**R57**	**DT100L4**
	280.0	1.3	1130	540	6.00	2	-	**R47**	**DT100L4**
	262.0	2.5	1200	735	6.41	2	-	**R57**	**DT100L4**
	252.0	1.0	1251	168	6.67	2	-	**R37**	**DT100L4**
	241.0	1.1	1310	555	6.96	2	-	**R47**	**DT100L4**
	235.0	1.7	1340	1970	7.16	1	-	**RX97**	**DT100L4**
	223.0	2.2	1410	760	7.53	2	-	**R57**	**DT100L4**
	217.0	1.0	1460	565	7.76	2	-	**R47**	**DT100L4**
	211.0	2.1	1500	770	7.97	2	-	**R57**	**DT100L4**
	210.0	1.2	1500	590	8.01	2	-	**R47**	**DT100L4**
	204.0	1.3	1540	2050	8.23	1	-	**RX97**	**DT100L4**
	193.0	2.4	1630	1430	8.70	2	-	**R67**	**DT100L4**
	185.0	1.2	1700	600	9.07	2	-	**R47**	**DT100L4**
	185.0	2.0	1700	790	9.06	2	-	**R57**	**DT100L4**
	180.0	1.9	1750	795	9.35	2	-	**R57**	**DT100L4**
	168.0	2.2	1880	1480	10.00	2	-	**R67**	**DT100L4**
	166.0	1.1	1900	610	10.15	2	-	**R47**	**DT100L4**
	156.0	1.7	2030	820	10.79	2	-	**R57**	**DT100L4**
	146.0	2.0	2170	1540	11.54	2	-	**R67**	**DT100L4**
	142.0	1.0	2210	555	11.79	2	-	**R47**	**DT100L4**
	141.0	1.6	2230	830	11.88	2	-	**R57**	**DT100L4**
	132.0	2.0	2380	1580	12.70	2	-	**R67**	**DT100L4**
	120.0	1.5	2620	850	13.95	2	-	**R57**	**DT100L4**
	120.0	2.4	2640	2030	14.05	2	-	**R77**	**DT100L4**
	114.0	1.4	2770	860	14.77	2	-	**R57**	**DT100L4**
	108.0	2.2	2930	2090	15.60	2	-	**R77**	**DT100L4**
	106.0	1.7	2960	1660	15.79	2	-	**R67**	**DT100L4**
	100.0	1.3	3150	870	16.79	2	-	**R57**	**DT100L4**
	94.0	1.6	3370	1710	17.95	2	-	**R67**	**DT100L4**
	94.0	2.1	3340	2160	17.82	2	-	**R77**	**DT100L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
5.0	**90.0**	1.2	3490	880	18.60	2	-	**R57**	**DT100L4**
	89.0	2.0	3530	2190	18.80	2	-	**R77**	**DT100L4**
	84.0	1.4	3730	1750	19.89	2	-	**R67**	**DT100L4**
	78.0	1.8	4020	2270	21.43	2	-	**R77**	**DT100L4**
	78.0	3.3	4040	3390	21.51	2	-	**R87**	**DT100L4**
	72.0	1.2	4400	1810	23.44	2	-	**R67**	**DT100L4**
	72.0	1.7	4390	2310	23.37	2	-	**R77**	**DT100L4**
	72.0	3.1	4390	3470	23.40	2	-	**R87**	**DT100L4**
	67.0	1.5	4740	2360	25.23	3	-	**R77**	**DT100L4**
	60.0	2.6	5220	3640	27.84	2	-	**R87**	**DT100L4**
	58.0	1.4	5440	2430	29.00	3	-	**R77**	**DT100L4**
	54.0	2.3	5890	3760	31.40	2	-	**R87**	**DT100L4**
	50.0	1.2	6280	2430	33.47	3	-	**R77**	**DT100L4**
	49.0	2.1	6460	3850	34.40	2	-	**R87**	**DT100L4**
	46.0	1.1	6910	2310	36.83	3	-	**R77**	**DT100L4**
	46.0	2.0	6910	3920	36.84	3	-	**R87**	**DT100L4**
	45.0	3.8	6970	4850	37.13	3	-	**R97**	**DT100L4**
	40.0	1.8	7830	4050	41.74	3	-	**R87**	**DT100L4**
	39.0	3.3	8030	5050	42.78	3	-	**R97**	**DT100L4**
	35.0	1.6	8930	4060	47.58	3	-	**R87**	**DT100L4**
	35.0	3.0	8930	5200	47.58	3	-	**R97**	**DT100L4**
	32.0	1.4	9910	3960	52.82	3	-	**R87**	**DT100L4**
	32.0	2.7	9990	5360	53.21	3	-	**R97**	**DT100L4**
	28.0	1.2	11300	3790	60.35	3	-	**R87**	**DT100L4**
	28.0	2.4	11200	5530	59.92	3	-	**R97**	**DT100L4**
	26.0	1.2	12000	3700	63.68	3	-	**R87**	**DT100L4**
	26.0	2.2	12200	5660	65.21	3	-	**R97**	**DT100L4**
	23.0	1.0	13600	3450	72.57	3	-	**R87**	**DT100L4**
	23.0	2.0	13500	5800	72.17	3	-	**R97**	**DT100L4**
	21.0	2.6	14700	7540	78.57	3	-	**R107**	**DT100L4**
	20.0	1.7	15600	6010	83.15	3	-	**R97**	**DT100L4**
	18.0	1.6	17400	5960	92.48	3	-	**R97**	**DT100L4**
	18.0	2.2	17400	7890	92.70	3	-	**R107**	**DT100L4**
	16.0	1.4	19400	5750	103.44	3	-	**R97**	**DT100L4**
	16.0	2.0	19200	8110	102.53	3	-	**R107**	**DT100L4**
	15.0	1.8	21700	8140	115.63	3	-	**R107**	**DT100L4**
	14.0	1.2	21900	5450	116.48	3	-	**R97**	**DT100L4**
	13.0	1.1	23800	5170	126.75	3	-	**R97**	**DT100L4**
	13.0	1.6	24000	8050	127.68	3	-	**R107**	**DT100L4**
	12.0	1.5	26600	7850	141.83	3	-	**R107**	**DT100L4**
	11.0	1.3	29800	7570	158.68	3	-	**R107**	**DT100L4**
	9.8	1.2	32300	7310	172.34	3	-	**R107**	**DT100L4**
	9.6	2.4	30000	13500	175	3	2	**R137R77**	**DT100L4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
5.0	**8.5**	2.1	33800	13400	197	3	2	**R137R77**	**DT100L4**
	8.3	1.0	38100	6610	203.16	3	-	**R107**	**DT100L4**
	7.9	3.2	36200	16500	214	3	2	**R147R87**	**DT100L4**
	7.6	1.0	38400	6570	220	2	2	**R107R77**	**DT100L4**
	6.8	2.7	42000	16400	247	3	2	**R147R87**	**DT100L4**
	6.0	2.4	47600	16300	280	3	2	**R147R87**	**DT100L4**
	5.7	1.4	51900	12900	297	2	2	**R137R77**	**DT100L4**
	5.2	2.1	55700	16200	326	3	2	**R147R87**	**DT100L4**
	5.0	1.2	59200	12600	339	2	2	**R137R77**	**DT100L4**
	5.0	2.8	56700	27000	335	3	2	**R167R97**	**DT100L4**
	4.5	1.1	65700	12300	376	2	2	**R137R77**	**DT100L4**
	4.5	2.5	63700	27000	376	3	2	**R167R97**	**DT100L4**
	4.4	1.1	65600	12300	381	3	2	**R137R77**	**DT100L4**
	4.2	2.3	69000	27000	399	2	2	**R167R107**	**DT100L4**
	4.1	1.6	71300	15800	415	3	2	**R147R77**	**DT100L4**
	3.8	2.1	77100	27000	446	2	2	**R167R107**	**DT100L4**
	3.4	1.4	84100	15400	489	3	2	**R147R77**	**DT100L4**
	3.3	1.9	85200	27000	503	3	2	**R167R97**	**DT100L4**
	3.0	1.2	96000	14900	558	3	2	**R147R77**	**DT100L4**
	2.7	1.1	106600	14500	619	3	2	**R147R77**	**DT100L4**
	2.6	1.5	111000	27000	656	3	2	**R167R97**	**DT100L4**
	2.4	1.4	116700	27000	690	2	3	**R167R107**	**DT100L4**
	2.2	1.2	130000	27000	760	3	2	**R167R97**	**DT100L4**
	2.0	1.1	147200	27000	861	3	2	**R167R97**	**DT100L4**
	1.8	1.0	161700	27000	950	2	3	**R167R107**	**DT100L4**
5.4	**1325.0**	2.2	255	385	1.30	1	-	**RX57**	**DV112M4**
	1235.0	3.3	275	495	1.40	1	-	**RX67**	**DV112M4**
	1170.0	2.1	290	395	1.48	1	-	**RX57**	**DV112M4**
	1075.0	3.2	315	515	1.61	1	-	**RX67**	**DV112M4**
	1045.0	1.9	325	410	1.65	1	-	**RX57**	**DV112M4**
	1040.0	4.7	330	775	1.67	1	-	**RX77**	**DV112M4**
	932.0	3.0	365	540	1.86	1	-	**RX67**	**DV112M4**
	901.0	1.6	380	425	1.92	1	-	**RX57**	**DV112M4**
	847.0	1.5	400	430	2.04	1	-	**RX57**	**DV112M4**
	847.0	3.0	400	550	2.04	1	-	**RX67**	**DV112M4**
	812.0	4.2	420	830	2.13	1	-	**RX77**	**DV112M4**
	730.0	1.3	465	445	2.37	1	-	**RX57**	**DV112M4**
	721.0	2.3	470	575	2.40	1	-	**RX67**	**DV112M4**
	681.0	2.1	500	585	2.54	1	-	**RX67**	**DV112M4**
	655.0	1.2	520	450	2.64	1	-	**RX57**	**DV112M4**
	642.0	3.6	530	890	2.70	1	-	**RX77**	**DV112M4**
	599.0	1.7	570	605	2.89	1	-	**RX67**	**DV112M4**
	562.0	2.8	605	930	3.08	1	-	**RX77**	**DV112M4**

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See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
5.4	**541.0**	1.4	630	620	3.20	1	-	**RX67**	**DV112M4**
	532.0	2.5	640	940	3.25	1	-	**RX77**	**DV112M4**
	498.0	5.2	685	1230	3.48	1	-	**RX87**	**DV112M4**
	467.0	1.9	730	970	3.70	1	-	**RX77**	**DV112M4**
	457.0	3.6	745	1270	3.78	1	-	**RX87**	**DV112M4**
	452.0	1.7	755	485	3.83	2	-	**R47**	**DV112M4**
	428.0	1.6	795	1000	4.04	1	-	**RX77**	**DV112M4**
	403.0	2.8	840	1160	4.29	2	-	**R67**	**DV112M4**
	399.0	1.5	850	495	4.34	2	-	**R47**	**DV112M4**
	394.0	2.9	860	655	4.39	2	-	**R57**	**DV112M4**
	356.0	1.4	950	510	4.85	2	-	**R47**	**DV112M4**
	343.0	2.7	990	680	5.05	2	-	**R57**	**DV112M4**
	311.0	1.8	1090	1410	5.56	1	-	**RX87**	**DV112M4**
	307.0	1.3	1110	520	5.64	2	-	**R47**	**DV112M4**
	297.0	2.5	1150	705	5.82	2	-	**R57**	**DV112M4**
	288.0	1.2	1180	530	6.00	2	-	**R47**	**DV112M4**
	270.0	2.3	1260	720	6.41	2	-	**R57**	**DV112M4**
	248.0	1.1	1370	540	6.96	2	-	**R47**	**DV112M4**
	242.0	1.7	1410	1950	7.16	1	-	**RX97**	**DV112M4**
	230.0	2.1	1480	745	7.53	2	-	**R57**	**DV112M4**
	217.0	2.0	1570	755	7.97	2	-	**R57**	**DV112M4**
	216.0	1.2	1580	575	8.01	2	-	**R47**	**DV112M4**
	199.0	2.3	1710	1410	8.70	2	-	**R67**	**DV112M4**
	191.0	1.1	1780	585	9.07	2	-	**R47**	**DV112M4**
	191.0	1.9	1780	775	9.06	2	-	**R57**	**DV112M4**
	185.0	1.8	1840	775	9.35	2	-	**R57**	**DV112M4**
	173.0	2.1	1970	1460	10.00	2	-	**R67**	**DV112M4**
	170.0	1.0	2000	575	10.15	2	-	**R47**	**DV112M4**
	160.0	1.6	2120	795	10.79	2	-	**R57**	**DV112M4**
	150.0	2.0	2270	1520	11.54	2	-	**R67**	**DV112M4**
	146.0	1.6	2340	810	11.88	2	-	**R57**	**DV112M4**
	140.0	2.5	2430	1930	12.33	2	-	**R77**	**DV112M4**
	136.0	1.9	2500	1550	12.70	2	-	**R67**	**DV112M4**
	124.0	1.4	2740	830	13.95	2	-	**R57**	**DV112M4**
	123.0	2.3	2760	2000	14.05	2	-	**R77**	**DV112M4**
	117.0	1.3	2910	830	14.77	2	-	**R57**	**DV112M4**
	116.0	1.7	2930	1610	14.91	2	-	**R67**	**DV112M4**
	111.0	2.1	3070	2060	15.60	2	-	**R77**	**DV112M4**
	110.0	1.6	3110	1630	15.79	2	-	**R67**	**DV112M4**
	103.0	1.2	3300	850	16.79	2	-	**R57**	**DV112M4**
	97.0	2.0	3510	2130	17.82	2	-	**R77**	**DV112M4**
	96.0	1.5	3530	1680	17.95	2	-	**R67**	**DV112M4**
	93.0	1.1	3660	850	18.60	2	-	**R57**	**DV112M4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
5.4	**92.0**	1.9	3700	2160	18.80	2	-	**R77**	**DV112M4**
	91.0	3.4	3760	3230	19.10	2	-	**R87**	**DV112M4**
	87.0	1.4	3910	1720	19.89	2	-	**R67**	**DV112M4**
	81.0	1.7	4220	2230	21.43	2	-	**R77**	**DV112M4**
	80.0	3.1	4230	3340	21.51	2	-	**R87**	**DV112M4**
	74.0	1.6	4600	2270	23.37	2	-	**R77**	**DV112M4**
	74.0	3.0	4600	3420	23.40	2	-	**R87**	**DV112M4**
	69.0	1.4	4960	2310	25.23	3	-	**R77**	**DV112M4**
	62.0	2.5	5480	3590	27.84	2	-	**R87**	**DV112M4**
	60.0	1.3	5700	2380	29.00	3	-	**R77**	**DV112M4**
	55.0	2.2	6180	3700	31.40	2	-	**R87**	**DV112M4**
	52.0	1.1	6590	2380	33.47	3	-	**R77**	**DV112M4**
	50.0	2.0	6770	3790	34.40	2	-	**R87**	**DV112M4**
	47.0	1.0	7250	2230	36.83	3	-	**R77**	**DV112M4**
	47.0	1.9	7250	3860	36.84	3	-	**R87**	**DV112M4**
	47.0	3.6	7300	4780	37.13	3	-	**R97**	**DV112M4**
	41.0	1.7	8210	3940	41.74	3	-	**R87**	**DV112M4**
	40.0	3.2	8420	4970	42.78	3	-	**R97**	**DV112M4**
	36.0	1.5	9360	3830	47.58	3	-	**R87**	**DV112M4**
	36.0	2.8	9360	5120	47.58	3	-	**R97**	**DV112M4**
	33.0	1.3	10400	3710	52.82	3	-	**R87**	**DV112M4**
	33.0	2.5	10500	5280	53.21	3	-	**R97**	**DV112M4**
	29.0	1.2	11900	3510	60.35	3	-	**R87**	**DV112M4**
	29.0	2.2	11800	5440	59.92	3	-	**R97**	**DV112M4**
	27.0	1.1	12500	3410	63.68	3	-	**R87**	**DV112M4**
	27.0	2.1	12800	5560	65.21	3	-	**R97**	**DV112M4**
	26.0	3.0	12900	7070	65.60	3	-	**R107**	**DV112M4**
	24.0	1.9	14200	5710	72.17	3	-	**R97**	**DV112M4**
	24.0	2.7	14300	7280	72.88	3	-	**R107**	**DV112M4**
	22.0	2.5	15500	7430	78.57	3	-	**R107**	**DV112M4**
	21.0	1.6	16400	5910	83.15	3	-	**R97**	**DV112M4**
	19.0	1.5	18200	5880	92.48	3	-	**R97**	**DV112M4**
	19.0	2.1	18200	7770	92.70	3	-	**R107**	**DV112M4**
	17.0	1.3	20300	5640	103.44	3	-	**R97**	**DV112M4**
	17.0	1.9	20200	7980	102.53	3	-	**R107**	**DV112M4**
	15.0	1.2	22900	5300	116.48	3	-	**R97**	**DV112M4**
	15.0	1.7	22700	8110	115.63	3	-	**R107**	**DV112M4**
	14.0	1.1	24900	4990	126.75	3	-	**R97**	**DV112M4**
	14.0	1.5	25100	7960	127.68	3	-	**R107**	**DV112M4**
	12.0	1.4	27900	7740	141.83	3	-	**R107**	**DV112M4**
	11.0	1.2	31200	7430	158.68	3	-	**R107**	**DV112M4**
	10.0	1.1	33900	7140	172.34	3	-	**R107**	**DV112M4**
	9.9	2.2	31400	13500	175	3	2	**R137R77**	**DV112M4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
5.4	**8.9**	1.1	35300	6970	193	2	2	**R107R77**	**DV112M4**
	8.8	2.0	35500	13400	197	3	2	**R137R77**	**DV112M4**
	8.1	1.0	38600	6550	214	3	2	**R107R77**	**DV112M4**
	8.1	3.0	38000	16500	214	3	2	**R147R87**	**DV112M4**
	7.7	1.8	40300	13200	223	3	2	**R137R77**	**DV112M4**
	7.0	2.6	44000	16400	247	3	2	**R147R87**	**DV112M4**
	6.8	1.6	45900	13100	255	3	2	**R137R77**	**DV112M4**
	6.2	2.3	49900	16300	280	3	2	**R147R87**	**DV112M4**
	5.9	1.4	52600	12800	291	3	2	**R137R77**	**DV112M4**
	5.8	1.3	54400	12800	297	2	2	**R137R77**	**DV112M4**
	5.3	2.0	58400	16100	326	3	2	**R147R87**	**DV112M4**
	5.1	1.2	62100	12400	339	2	2	**R137R77**	**DV112M4**
	4.6	1.1	68900	12100	376	2	2	**R137R77**	**DV112M4**
	4.6	2.4	66900	27000	376	3	2	**R167R97**	**DV112M4**
	4.5	1.1	68800	12100	381	3	2	**R137R77**	**DV112M4**
	4.3	2.2	72400	27000	399	2	2	**R167R107**	**DV112M4**
	4.2	1.6	74800	15700	415	3	2	**R147R77**	**DV112M4**
	4.1	1.5	76500	15600	426	3	2	**R147R87**	**DV112M4**
	3.9	2.0	80900	27000	446	2	2	**R167R107**	**DV112M4**
	3.8	1.4	82300	15400	462	3	2	**R147R87**	**DV112M4**
	3.5	1.3	88200	15200	489	3	2	**R147R77**	**DV112M4**
	3.4	1.8	89400	27000	503	3	2	**R167R97**	**DV112M4**
	3.1	1.2	100600	14800	558	3	2	**R147R77**	**DV112M4**
	2.8	1.1	111800	14200	619	3	2	**R147R77**	**DV112M4**
	2.6	1.4	116600	27000	656	3	2	**R167R97**	**DV112M4**
	2.3	1.2	136400	27000	760	3	2	**R167R97**	**DV112M4**
	2.0	1.1	154400	27000	861	3	2	**R167R97**	**DV112M4**
7.5	**1325.0**	1.6	355	320	1.30	1	-	**RX57**	**DV132S4**
	1235.0	2.4	385	475	1.40	1	-	**RX67**	**DV132S4**
	1170.0	1.5	405	295	1.48	1	-	**RX57**	**DV132S4**
	1075.0	2.3	440	495	1.61	1	-	**RX67**	**DV132S4**
	1045.0	1.4	450	285	1.65	1	-	**RX57**	**DV132S4**
	1040.0	3.4	455	755	1.67	1	-	**RX77**	**DV132S4**
	932.0	2.2	510	515	1.86	1	-	**RX67**	**DV132S4**
	901.0	1.2	525	255	1.92	1	-	**RX57**	**DV132S4**
	847.0	1.1	560	240	2.04	1	-	**RX57**	**DV132S4**
	847.0	2.1	560	525	2.04	1	-	**RX67**	**DV132S4**
	812.0	3.0	580	810	2.13	1	-	**RX77**	**DV132S4**
	721.0	1.7	655	545	2.40	1	-	**RX67**	**DV132S4**
	712.0	2.9	665	840	2.43	1	-	**RX77**	**DV132S4**
	681.0	1.5	695	550	2.54	1	-	**RX67**	**DV132S4**
	642.0	2.6	735	860	2.70	1	-	**RX77**	**DV132S4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
7.5	**562.0**	2.0	840	890	3.08	1	-	**RX77**	**DV132S4**
	532.0	1.8	890	900	3.25	1	-	**RX77**	**DV132S4**
	498.0	3.8	950	1200	3.48	1	-	**RX87**	**DV132S4**
	457.0	2.6	1030	1230	3.78	1	-	**RX87**	**DV132S4**
	449.0	1.2	1053	450	3.83	2	-	**R47**	**DV132S4**
	403.0	2.0	1170	1130	4.29	2	-	**R67**	**DV132S4**
	396.0	1.1	1193	460	4.34	2	-	**R47**	**DV132S4**
	394.0	2.1	1200	625	4.39	2	-	**R57**	**DV132S4**
	355.0	1.0	1333	470	4.85	2	-	**R47**	**DV132S4**
	351.0	1.9	1350	1180	4.93	2	-	**R67**	**DV132S4**
	343.0	2.0	1380	645	5.05	2	-	**R57**	**DV132S4**
	326.0	3.1	1450	1500	5.31	2	-	**R77**	**DV132S4**
	304.0	1.8	1560	1220	5.70	2	-	**R67**	**DV132S4**
	297.0	1.8	1590	665	5.82	2	-	**R57**	**DV132S4**
	289.0	2.9	1640	1560	5.99	2	-	**R77**	**DV132S4**
	276.0	1.7	1710	1250	6.27	2	-	**R67**	**DV132S4**
	270.0	1.7	1750	675	6.41	2	-	**R57**	**DV132S4**
	255.0	2.8	1860	1610	6.79	2	-	**R77**	**DV132S4**
	230.0	1.5	2060	695	7.53	2	-	**R57**	**DV132S4**
	223.0	2.5	2120	1670	7.74	2	-	**R77**	**DV132S4**
	222.0	1.6	2130	1320	7.79	2	-	**R67**	**DV132S4**
	217.0	1.5	2180	700	7.97	2	-	**R57**	**DV132S4**
	201.0	2.4	2350	1720	8.59	2	-	**R77**	**DV132S4**
	199.0	1.7	2380	1350	8.70	2	-	**R67**	**DV132S4**
	185.0	1.3	2560	710	9.35	2	-	**R57**	**DV132S4**
	179.0	2.1	2640	1750	9.64	2	-	**R77**	**DV132S4**
	173.0	1.5	2730	1400	10.00	2	-	**R67**	**DV132S4**
	160.0	1.2	2950	720	10.79	2	-	**R57**	**DV132S4**
	159.0	2.0	2970	1810	10.88	2	-	**R77**	**DV132S4**
	150.0	1.4	3150	1440	11.54	2	-	**R67**	**DV132S4**
	146.0	1.1	3250	725	11.88	2	-	**R57**	**DV132S4**
	145.0	3.3	3260	2760	11.93	2	-	**R87**	**DV132S4**
	140.0	1.8	3370	1860	12.33	2	-	**R77**	**DV132S4**
	136.0	1.4	3470	1470	12.70	2	-	**R67**	**DV132S4**
	130.0	3.1	3640	2840	13.33	2	-	**R87**	**DV132S4**
	124.0	1.0	3810	650	13.95	2	-	**R57**	**DV132S4**
	123.0	1.7	3840	1920	14.05	2	-	**R77**	**DV132S4**
	116.0	1.2	4080	1520	14.91	2	-	**R67**	**DV132S4**
	113.0	2.8	4200	2960	15.35	2	-	**R87**	**DV132S4**
	111.0	1.6	4260	1970	15.60	2	-	**R77**	**DV132S4**
	110.0	1.2	4320	1530	15.79	2	-	**R67**	**DV132S4**
	101.0	2.6	4670	3050	17.08	2	-	**R87**	**DV132S4**
	97.0	1.4	4870	2030	17.82	2	-	**R77**	**DV132S4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
7.5	**92.0**	1.4	5140	2050	18.80	2	-	**R77**	**DV132S4**
	91.0	2.4	5220	3140	19.10	2	-	**R87**	**DV132S4**
	80.0	2.3	5880	3240	21.51	2	-	**R87**	**DV132S4**
	74.0	2.1	6400	3310	23.40	2	-	**R87**	**DV132S4**
	69.0	1.0	6900	1920	25.23	3	-	**R77**	**DV132S4**
	69.0	3.7	6840	4170	25.03	2	-	**R97**	**DV132S4**
	64.0	3.0	7430	4270	27.19	2	-	**R97**	**DV132S4**
	62.0	1.8	7610	3460	27.84	2	-	**R87**	**DV132S4**
	54.0	2.6	8760	4460	32.05	2	-	**R97**	**DV132S4**
	53.0	1.6	8930	3590	32.66	3	-	**R87**	**DV132S4**
	52.0	2.8	9090	4500	33.25	3	-	**R97**	**DV132S4**
	47.0	1.4	10100	3690	36.84	3	-	**R87**	**DV132S4**
	47.0	2.6	10100	4640	37.13	3	-	**R97**	**DV132S4**
	41.0	1.2	11400	3790	41.74	3	-	**R87**	**DV132S4**
	40.0	2.3	11700	4810	42.78	3	-	**R97**	**DV132S4**
	36.0	1.1	13000	3890	47.58	3	-	**R87**	**DV132S4**
	36.0	2.0	13000	4940	47.58	3	-	**R97**	**DV132S4**
	33.0	1.8	14500	5070	53.21	3	-	**R97**	**DV132S4**
	33.0	2.6	14400	6470	52.68	3	-	**R107**	**DV132S4**
	29.0	1.6	16400	5210	59.92	3	-	**R97**	**DV132S4**
	29.0	2.3	16200	6680	59.41	3	-	**R107**	**DV132S4**
	27.0	1.5	17800	5310	65.21	3	-	**R97**	**DV132S4**
	26.0	2.1	17900	6850	65.60	3	-	**R107**	**DV132S4**
	24.0	1.4	19700	5280	72.17	3	-	**R97**	**DV132S4**
	22.0	1.8	21500	7180	78.57	3	-	**R107**	**DV132S4**
	21.0	1.2	22700	4920	83.15	3	-	**R97**	**DV132S4**
	21.0	3.2	22100	13600	80.91	3	-	**R137**	**DV132S4**
	20.0	2.9	24200	13600	88.70	3	-	**R137**	**DV132S4**
	19.0	1.1	25300	4580	92.48	3	-	**R97**	**DV132S4**
	19.0	1.5	25300	7470	92.70	3	-	**R107**	**DV132S4**
	17.0	1.4	28000	7650	102.53	3	-	**R107**	**DV132S4**
	17.0	2.5	28200	13500	103.20	3	-	**R137**	**DV132S4**
	15.0	1.2	31600	7390	115.63	3	-	**R107**	**DV132S4**
	15.0	2.3	31100	13500	113.72	3	-	**R137**	**DV132S4**
	14.0	1.1	34900	7020	127.68	3	-	**R107**	**DV132S4**
	14.0	2.0	35000	13400	128.18	3	-	**R137**	**DV132S4**
	12.0	1.0	38800	6520	141.83	3	-	**R107**	**DV132S4**
	12.0	1.9	38600	13300	141.12	3	-	**R137**	**DV132S4**
	11.0	1.7	42700	13200	156.31	3	-	**R137**	**DV132S4**
	11.0	2.9	39600	16500	159	3	2	**R147R87**	**DV132S4**
	9.9	1.5	47700	13000	174.40	3	-	**R137**	**DV132S4**
	9.2	1.4	51500	12900	188.45	3	-	**R137**	**DV132S4**
	9.2	2.4	47100	16300	189	3	2	**R147R87**	**DV132S4**

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See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
7.5	**8.8**	1.5	49500	12900	197	3	2	**R137R77**	**DV132S4**
	8.1	2.2	53200	16200	214	3	2	**R147R87**	**DV132S4**
	7.8	1.2	60800	12500	222.60	3	-	**R137**	**DV132S4**
	6.8	1.1	64000	12300	255	3	2	**R137R77**	**DV132S4**
	6.2	1.7	69800	15800	280	3	2	**R147R87**	**DV132S4**
	6.2	2.3	69100	27000	279	3	2	**R167R97**	**DV132S4**
	5.7	2.1	75000	27000	303	3	2	**R167R97**	**DV132S4**
	5.3	1.4	81600	15500	326	3	2	**R147R87**	**DV132S4**
	4.6	1.7	93700	27000	376	3	2	**R167R97**	**DV132S4**
	4.2	1.1	104200	14600	415	3	2	**R147R77**	**DV132S4**
	4.1	1.1	106800	14500	426	3	2	**R147R87**	**DV132S4**
	4.0	1.5	107000	27000	432	3	2	**R167R97**	**DV132S4**
	3.9	1.4	113100	27000	446	2	2	**R167R107**	**DV132S4**
	3.8	1.0	115100	14100	462	3	2	**R147R87**	**DV132S4**
	3.4	1.3	125100	27000	503	3	2	**R167R97**	**DV132S4**
	3.0	1.1	143400	27000	579	3	2	**R167R97**	**DV132S4**
	2.6	1.0	163200	27000	656	3	2	**R167R97**	**DV132S4**
10	**1245.0**	1.8	505	450	1.40	1	-	**RX67**	**DV132M4**
	1225.0	2.7	515	700	1.42	1	-	**RX77**	**DV132M4**
	1090.0	4.8	580	940	1.60	1	-	**RX87**	**DV132M4**
	1080.0	1.8	585	465	1.61	1	-	**RX67**	**DV132M4**
	1045.0	2.5	605	730	1.67	1	-	**RX77**	**DV132M4**
	937.0	1.7	675	480	1.86	1	-	**RX67**	**DV132M4**
	926.0	2.4	680	755	1.88	1	-	**RX77**	**DV132M4**
	851.0	1.6	740	490	2.04	1	-	**RX67**	**DV132M4**
	817.0	2.3	770	780	2.13	1	-	**RX77**	**DV132M4**
	725.0	1.3	870	495	2.40	1	-	**RX67**	**DV132M4**
	716.0	2.2	880	800	2.43	1	-	**RX77**	**DV132M4**
	685.0	1.2	920	480	2.54	1	-	**RX67**	**DV132M4**
	645.0	2.0	980	830	2.70	1	-	**RX77**	**DV132M4**
	630.0	3.6	1000	1090	2.76	1	-	**RX87**	**DV132M4**
	565.0	1.6	1120	850	3.08	1	-	**RX77**	**DV132M4**
	564.0	3.2	1120	1130	3.09	1	-	**RX87**	**DV132M4**
	535.0	1.4	1180	860	3.25	1	-	**RX77**	**DV132M4**
	501.0	2.8	1260	1160	3.48	1	-	**RX87**	**DV132M4**
	460.0	2.0	1370	1190	3.78	1	-	**RX87**	**DV132M4**
	430.0	3.6	1470	1570	4.04	1	-	**RX97**	**DV132M4**
	414.0	4.8	1520	1910	4.20	1	-	**RX107**	**DV132M4**
	405.0	1.6	1560	1100	4.29	2	-	**R67**	**DV132M4**
	396.0	1.6	1590	590	4.39	2	-	**R57**	**DV132M4**
	387.0	1.6	1630	1240	4.50	1	-	**RX87**	**DV132M4**
	385.0	3.2	1640	1620	4.52	1	-	**RX97**	**DV132M4**

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See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
10	**354.0**	2.0	1780	1660	4.91	1	-	**RX97**	**DV132M4**
	353.0	1.5	1790	1140	4.93	2	-	**R67**	**DV132M4**
	345.0	1.5	1829	605	5.05	2	-	**R57**	**DV132M4**
	328.0	2.3	1930	1470	5.31	2	-	**R77**	**DV132M4**
	306.0	1.4	2060	1180	5.70	2	-	**R67**	**DV132M4**
	299.0	1.3	2108	615	5.82	2	-	**R57**	**DV132M4**
	290.0	2.2	2170	1520	5.99	2	-	**R77**	**DV132M4**
	278.0	1.3	2270	1200	6.27	2	-	**R67**	**DV132M4**
	271.0	1.3	2322	615	6.41	2	-	**R57**	**DV132M4**
	263.0	1.7	2400	2160	6.63	1	-	**RX107**	**DV132M4**
	256.0	2.1	2460	1570	6.79	2	-	**R77**	**DV132M4**
	244.0	3.7	2590	2360	7.13	2	-	**R87**	**DV132M4**
	231.0	1.1	2727	495	7.53	2	-	**R57**	**DV132M4**
	225.0	1.9	2800	1620	7.74	2	-	**R77**	**DV132M4**
	223.0	1.2	2820	1260	7.79	2	-	**R67**	**DV132M4**
	218.0	1.1	2887	440	7.97	2	-	**R57**	**DV132M4**
	212.0	3.5	2980	2460	8.22	2	-	**R87**	**DV132M4**
	203.0	1.8	3110	1670	8.59	2	-	**R77**	**DV132M4**
	200.0	1.3	3150	1290	8.70	2	-	**R67**	**DV132M4**
	190.0	3.2	3310	2530	9.14	2	-	**R87**	**DV132M4**
	180.0	1.6	3490	1680	9.64	2	-	**R77**	**DV132M4**
	176.0	2.9	3590	2550	9.90	2	-	**R87**	**DV132M4**
	174.0	1.2	3620	1320	10.00	2	-	**R67**	**DV132M4**
	160.0	1.5	3940	1730	10.88	2	-	**R77**	**DV132M4**
	151.0	1.1	4180	1330	11.54	2	-	**R67**	**DV132M4**
	146.0	2.5	4320	2690	11.93	2	-	**R87**	**DV132M4**
	141.0	1.4	4470	1780	12.33	2	-	**R77**	**DV132M4**
	137.0	1.0	4600	1230	12.70	2	-	**R67**	**DV132M4**
	131.0	2.3	4830	2770	13.33	2	-	**R87**	**DV132M4**
	124.0	1.3	5090	1800	14.05	2	-	**R77**	**DV132M4**
	113.0	2.1	5560	2870	15.35	2	-	**R87**	**DV132M4**
	112.0	1.2	5650	1720	15.60	2	-	**R77**	**DV132M4**
	102.0	2.0	6190	2950	17.08	2	-	**R87**	**DV132M4**
	98.0	1.1	6460	1580	17.82	2	-	**R77**	**DV132M4**
	95.0	3.3	6610	3720	18.24	2	-	**R97**	**DV132M4**
	93.0	1.0	6810	1510	18.80	2	-	**R77**	**DV132M4**
	91.0	1.9	6920	3030	19.10	2	-	**R87**	**DV132M4**
	86.0	3.2	7300	3820	20.14	2	-	**R97**	**DV132M4**
	81.0	1.7	7790	3110	21.51	2	-	**R87**	**DV132M4**
	78.0	3.0	8110	3930	22.37	2	-	**R97**	**DV132M4**
	74.0	1.6	8480	3170	23.40	2	-	**R87**	**DV132M4**
	70.0	2.8	9070	4050	25.03	2	-	**R97**	**DV132M4**
	64.0	2.3	9850	4130	27.19	2	-	**R97**	**DV132M4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
10	**62.0**	1.4	10100	3300	27.84	2	-	**R87**	**DV132M4**
	54.0	2.0	11600	4310	32.05	2	-	**R97**	**DV132M4**
	53.0	1.2	11800	3400	32.66	3	-	**R87**	**DV132M4**
	52.0	2.1	12000	4340	33.25	3	-	**R97**	**DV132M4**
	47.0	1.1	13300	3480	36.84	3	-	**R87**	**DV132M4**
	47.0	2.0	13500	4460	37.13	3	-	**R97**	**DV132M4**
	43.0	2.6	14600	5840	40.37	3	-	**R107**	**DV132M4**
	41.0	1.7	15500	4600	42.78	3	-	**R97**	**DV132M4**
	37.0	1.6	17200	4710	47.58	3	-	**R97**	**DV132M4**
	37.0	2.2	17300	6100	47.63	3	-	**R107**	**DV132M4**
	33.0	1.4	19300	4820	53.21	3	-	**R97**	**DV132M4**
	33.0	2.0	19100	6260	52.68	3	-	**R107**	**DV132M4**
	29.0	1.2	21700	4930	59.92	3	-	**R97**	**DV132M4**
	29.0	1.8	21500	6440	59.41	3	-	**R107**	**DV132M4**
	29.0	3.3	21400	13600	59.17	3	-	**R137**	**DV132M4**
	27.0	1.1	23600	5000	65.21	3	-	**R97**	**DV132M4**
	27.0	1.6	23800	6590	65.60	3	-	**R107**	**DV132M4**
	27.0	3.0	23600	13600	65.20	3	-	**R137**	**DV132M4**
	24.0	1.0	26200	3330	72.17	3	-	**R97**	**DV132M4**
	24.0	1.5	26400	6750	72.88	3	-	**R107**	**DV132M4**
	24.0	2.7	26600	13600	73.49	3	-	**R137**	**DV132M4**
	22.0	1.4	28500	6870	78.57	3	-	**R107**	**DV132M4**
	22.0	2.4	29300	13500	80.91	3	-	**R137**	**DV132M4**
	20.0	2.2	32100	13400	88.70	3	-	**R137**	**DV132M4**
	19.0	1.2	33600	7110	92.70	3	-	**R107**	**DV132M4**
	17.0	1.0	37200	6740	102.53	3	-	**R107**	**DV132M4**
	17.0	1.9	37400	13300	103.20	3	-	**R137**	**DV132M4**
	15.0	1.7	41200	13200	113.72	3	-	**R137**	**DV132M4**
	14.0	1.5	46400	13100	128.18	3	-	**R137**	**DV132M4**
	12.0	1.4	51100	12900	141.12	3	-	**R137**	**DV132M4**
	11.0	1.3	56600	12700	156.31	3	-	**R137**	**DV132M4**
	11.0	2.2	52700	16200	159	3	2	**R147R87**	**DV132M4**
	10.0	1.1	63200	12400	174.40	3	-	**R137**	**DV132M4**
	10.0	2.8	56000	27000	168	2	2	**R167R107**	**DV132M4**
	9.2	1.1	68300	12100	188.45	3	-	**R137**	**DV132M4**
	9.2	1.9	62700	16000	189	3	2	**R147R87**	**DV132M4**
	8.8	1.1	65800	12300	197	3	2	**R137R77**	**DV132M4**
	8.8	2.4	66100	27000	198	2	2	**R167R107**	**DV132M4**
	8.1	1.6	70800	15800	214	3	2	**R147R87**	**DV132M4**
	7.7	2.1	75900	27000	227	2	2	**R167R107**	**DV132M4**
	7.0	1.4	82000	15500	247	3	2	**R147R87**	**DV132M4**
	6.2	1.3	93000	15100	280	3	2	**R147R87**	**DV132M4**
	6.2	1.8	92100	27000	279	3	2	**R167R97**	**DV132M4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
10	**5.8**	1.6	99900	27000	303	3	2	**R167R97**	**DV132M4**
	5.3	1.1	108500	14400	326	3	2	**R147R87**	**DV132M4**
	5.2	1.5	111000	27000	335	3	2	**R167R97**	**DV132M4**
	5.0	1.4	114400	27000	349	3	2	**R167R107**	**DV132M4**
	4.6	1.3	124800	27000	376	3	2	**R167R97**	**DV132M4**
	4.0	1.1	142700	27000	432	3	2	**R167R97**	**DV132M4**
	3.9	1.1	150400	27000	446	2	2	**R167R107**	**DV132M4**
12.5	**1225.0**	2.1	645	680	1.42	1	-	**RX77**	**DV132ML4**
	1090.0	3.8	725	920	1.60	1	-	**RX87**	**DV132ML4**
	1045.0	2.0	755	705	1.67	1	-	**RX77**	**DV132ML4**
	926.0	2.0	850	725	1.88	1	-	**RX77**	**DV132ML4**
	902.0	3.6	870	970	1.93	1	-	**RX87**	**DV132ML4**
	817.0	1.9	970	750	2.13	1	-	**RX77**	**DV132ML4**
	808.0	3.5	980	1000	2.15	1	-	**RX87**	**DV132ML4**
	777.0	5.2	1010	1300	2.24	1	-	**RX97**	**DV132ML4**
	716.0	1.8	1100	765	2.43	1	-	**RX77**	**DV132ML4**
	701.0	3.2	1120	1030	2.48	1	-	**RX87**	**DV132ML4**
	658.0	4.4	1200	1370	2.64	1	-	**RX97**	**DV132ML4**
	630.0	2.9	1250	1060	2.76	1	-	**RX87**	**DV132ML4**
	595.0	4.0	1320	1410	2.92	1	-	**RX97**	**DV132ML4**
	564.0	2.6	1400	1090	3.09	1	-	**RX87**	**DV132ML4**
	528.0	3.5	1490	1450	3.30	1	-	**RX97**	**DV132ML4**
	501.0	2.3	1570	1120	3.48	1	-	**RX87**	**DV132ML4**
	478.0	3.2	1650	1490	3.64	1	-	**RX97**	**DV132ML4**
	456.0	4.2	1730	1820	3.81	1	-	**RX107**	**DV132ML4**
	430.0	2.9	1830	1530	4.04	1	-	**RX97**	**DV132ML4**
	414.0	3.9	1900	1870	4.20	1	-	**RX107**	**DV132ML4**
	385.0	2.6	2050	1580	4.52	1	-	**RX97**	**DV132ML4**
	374.0	2.9	2110	1920	4.65	1	-	**RX107**	**DV132ML4**
	328.0	1.9	2410	1440	5.31	2	-	**R77**	**DV132ML4**
	328.0	3.3	2400	2130	5.30	2	-	**R87**	**DV132ML4**
	290.0	1.8	2710	1480	5.99	2	-	**R77**	**DV132ML4**
	272.0	3.1	2890	2250	6.39	2	-	**R87**	**DV132ML4**
	256.0	1.7	3080	1530	6.79	2	-	**R77**	**DV132ML4**
	244.0	2.9	3230	2320	7.13	2	-	**R87**	**DV132ML4**
	225.0	1.6	3510	1520	7.74	2	-	**R77**	**DV132ML4**
	212.0	2.8	3720	2420	8.22	2	-	**R87**	**DV132ML4**
	190.0	2.6	4140	2490	9.14	2	-	**R87**	**DV132ML4**
	180.0	1.3	4370	1620	9.64	2	-	**R77**	**DV132ML4**
	176.0	2.3	4480	2500	9.90	2	-	**R87**	**DV132ML4**
	160.0	1.2	4930	1560	10.88	2	-	**R77**	**DV132ML4**
	146.0	2.0	5410	2620	11.93	2	-	**R87**	**DV132ML4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
12.5	**141.0**	1.1	5580	1450	12.33	2	-	**R77**	**DV132ML4**
	140.0	3.5	5610	3280	12.39	2	-	**R97**	**DV132ML4**
	131.0	1.9	6040	2690	13.33	2	-	**R87**	**DV132ML4**
	124.0	1.0	6360	1300	14.05	2	-	**R77**	**DV132ML4**
	119.0	3.1	6620	3430	14.62	2	-	**R97**	**DV132ML4**
	113.0	1.7	6960	2780	15.35	2	-	**R87**	**DV132ML4**
	108.0	2.9	7330	3530	16.17	2	-	**R97**	**DV132ML4**
	102.0	1.6	7740	2850	17.08	2	-	**R87**	**DV132ML4**
	95.0	2.7	8260	3640	18.24	2	-	**R97**	**DV132ML4**
	91.0	1.5	8650	2920	19.10	2	-	**R87**	**DV132ML4**
	86.0	2.5	9120	3730	20.14	2	-	**R97**	**DV132ML4**
	81.0	1.4	9740	2990	21.51	2	-	**R87**	**DV132ML4**
	78.0	2.4	10100	3830	22.37	2	-	**R97**	**DV132ML4**
	70.0	2.2	11300	3930	25.03	2	-	**R97**	**DV132ML4**
	63.0	1.9	12500	4020	27.58	3	-	**R97**	**DV132ML4**
	63.0	3.0	12500	5160	27.58	2	-	**R107**	**DV132ML4**
	62.0	1.1	12600	3140	27.88	3	-	**R87**	**DV132ML4**
	57.0	2.7	13900	5310	30.77	2	-	**R107**	**DV132ML4**
	52.0	1.7	15100	4190	33.25	3	-	**R97**	**DV132ML4**
	49.0	2.4	16000	5500	35.26	3	-	**R107**	**DV132ML4**
	47.0	1.6	16800	4290	37.13	3	-	**R97**	**DV132ML4**
	43.0	2.1	18300	5690	40.37	3	-	**R107**	**DV132ML4**
	41.0	1.4	19400	4400	42.78	3	-	**R97**	**DV132ML4**
	39.0	3.5	20100	13700	44.39	3	-	**R137**	**DV132ML4**
	37.0	1.3	21600	4490	47.58	3	-	**R97**	**DV132ML4**
	37.0	1.8	21600	5920	47.63	3	-	**R107**	**DV132ML4**
	34.0	3.1	23000	13600	50.86	3	-	**R137**	**DV132ML4**
	33.0	1.1	24100	4570	53.21	3	-	**R97**	**DV132ML4**
	33.0	1.6	23900	6050	52.68	3	-	**R107**	**DV132ML4**
	29.0	1.0	27100	3830	59.92	3	-	**R97**	**DV132ML4**
	29.0	1.4	26900	6210	59.41	3	-	**R107**	**DV132ML4**
	29.0	2.6	26800	13600	59.17	3	-	**R137**	**DV132ML4**
	27.0	1.3	29700	6340	65.60	3	-	**R107**	**DV132ML4**
	27.0	2.4	29500	13500	65.20	3	-	**R137**	**DV132ML4**
	24.0	1.2	33000	6470	72.88	3	-	**R107**	**DV132ML4**
	24.0	2.1	33300	13400	73.49	3	-	**R137**	**DV132ML4**
	22.0	1.1	35600	6570	78.57	3	-	**R107**	**DV132ML4**
	22.0	2.0	36600	13300	80.91	3	-	**R137**	**DV132ML4**
	21.0	3.0	37800	16500	83.47	3	-	**R147**	**DV132ML4**
	20.0	1.8	40200	13200	88.70	3	-	**R137**	**DV132ML4**
	18.0	2.7	42900	16400	94.60	3	-	**R147**	**DV132ML4**
	17.0	1.5	46700	13000	103.20	3	-	**R137**	**DV132ML4**
	16.0	2.3	49500	16300	109.31	3	-	**R147**	**DV132ML4**

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See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
12.5	**15.0**	1.4	51500	12900	113.72	3	-	**R137**	**DV132ML4**
	15.0	2.1	54300	16200	119.86	3	-	**R147**	**DV132ML4**
	14.0	1.2	58100	12600	128.18	3	-	**R137**	**DV132ML4**
	12.0	1.1	63900	12300	141.12	3	-	**R137**	**DV132ML4**
	12.0	1.8	66500	15900	146.91	3	-	**R147**	**DV132ML4**
	11.0	1.0	70800	12000	156.31	3	-	**R137**	**DV132ML4**
	11.0	1.6	74000	15700	163.31	3	-	**R147**	**DV132ML4**
	10.0	2.3	70300	27000	168	2	2	**R167R107**	**DV132ML4**
	9.2	1.5	78500	15600	189	3	2	**R147R87**	**DV132ML4**
	8.7	2.0	82600	27000	200	3	2	**R167R107**	**DV132ML4**
	8.1	1.3	88800	15200	214	3	2	**R147R87**	**DV132ML4**
	7.0	1.1	102800	14700	247	3	2	**R147R87**	**DV132ML4**
	6.2	1.0	116500	14000	280	3	2	**R147R87**	**DV132ML4**
	6.2	1.4	115500	27000	279	3	2	**R167R97**	**DV132ML4**
	5.8	1.3	125400	27000	303	3	2	**R167R97**	**DV132ML4**
	5.2	1.2	139200	27000	335	3	2	**R167R97**	**DV132ML4**
	4.6	1.0	156400	27000	376	3	2	**R167R97**	**DV132ML4**
15	**1250.0**	3.4	755	870	1.39	1	-	**RX87**	**DV160M4**
	1225.0	1.8	775	645	1.42	1	-	**RX77**	**DV160M4**
	1090.0	3.2	870	900	1.60	1	-	**RX87**	**DV160M4**
	1045.0	1.7	910	635	1.67	1	-	**RX77**	**DV160M4**
	926.0	1.6	1020	615	1.88	1	-	**RX77**	**DV160M4**
	902.0	3.0	1050	940	1.93	1	-	**RX87**	**DV160M4**
	817.0	1.6	1160	590	2.13	1	-	**RX77**	**DV160M4**
	808.0	2.9	1170	970	2.15	1	-	**RX87**	**DV160M4**
	777.0	4.3	1220	1280	2.24	1	-	**RX97**	**DV160M4**
	716.0	1.5	1320	550	2.43	1	-	**RX77**	**DV160M4**
	701.0	2.7	1350	1010	2.48	1	-	**RX87**	**DV160M4**
	658.0	3.7	1440	1340	2.64	1	-	**RX97**	**DV160M4**
	630.0	2.4	1500	1030	2.76	1	-	**RX87**	**DV160M4**
	595.0	3.3	1590	1380	2.92	1	-	**RX97**	**DV160M4**
	564.0	2.1	1680	1060	3.09	1	-	**RX87**	**DV160M4**
	528.0	2.9	1790	1420	3.30	1	-	**RX97**	**DV160M4**
	501.0	1.9	1890	1090	3.48	1	-	**RX87**	**DV160M4**
	478.0	2.7	1980	1460	3.64	1	-	**RX97**	**DV160M4**
	456.0	3.5	2070	1790	3.81	1	-	**RX107**	**DV160M4**
	430.0	2.4	2200	1500	4.04	1	-	**RX97**	**DV160M4**
	414.0	3.2	2280	1830	4.20	1	-	**RX107**	**DV160M4**
	385.0	2.1	2460	1540	4.52	1	-	**RX97**	**DV160M4**
	374.0	2.4	2530	1880	4.65	1	-	**RX107**	**DV160M4**
	328.0	1.6	2885	1410	5.31	2	-	**R77**	**DV160M4**
	328.0	2.8	2880	2110	5.30	2	-	**R87**	**DV160M4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
15	**290.0**	1.5	3254	1380	5.99	2	-	**R77**	**DV160M4**
	272.0	2.6	3470	2220	6.39	2	-	**R87**	**DV160M4**
	256.0	1.4	3689	1300	6.79	2	-	**R77**	**DV160M4**
	244.0	2.4	3880	2290	7.13	2	-	**R87**	**DV160M4**
	225.0	1.3	4205	1200	7.74	2	-	**R77**	**DV160M4**
	212.0	2.3	4470	2380	8.22	2	-	**R87**	**DV160M4**
	190.0	2.2	4970	2450	9.14	2	-	**R87**	**DV160M4**
	180.0	1.1	5238	1290	9.64	2	-	**R77**	**DV160M4**
	176.0	2.0	5380	2440	9.90	2	-	**R87**	**DV160M4**
	161.0	3.1	5880	3110	10.83	2	-	**R97**	**DV160M4**
	146.0	1.7	6490	2550	11.93	2	-	**R87**	**DV160M4**
	140.0	2.9	6740	3230	12.39	2	-	**R97**	**DV160M4**
	131.0	1.6	7240	2620	13.33	2	-	**R87**	**DV160M4**
	119.0	2.6	7950	3370	14.62	2	-	**R97**	**DV160M4**
	113.0	1.4	8350	2700	15.35	2	-	**R87**	**DV160M4**
	108.0	2.4	8790	3450	16.17	2	-	**R97**	**DV160M4**
	102.0	1.3	9280	2760	17.08	2	-	**R87**	**DV160M4**
	95.0	2.2	9910	3550	18.24	2	-	**R97**	**DV160M4**
	91.0	1.3	10400	2820	19.10	2	-	**R87**	**DV160M4**
	86.0	2.1	10900	3640	20.14	2	-	**R97**	**DV160M4**
	81.0	1.2	11700	2870	21.51	2	-	**R87**	**DV160M4**
	78.0	2.0	12200	3720	22.37	2	-	**R97**	**DV160M4**
	70.0	1.9	13600	3820	25.03	2	-	**R97**	**DV160M4**
	70.0	2.8	13500	4930	24.90	2	-	**R107**	**DV160M4**
	63.0	1.6	15000	3890	27.58	3	-	**R97**	**DV160M4**
	63.0	2.5	15000	5060	27.58	2	-	**R107**	**DV160M4**
	57.0	2.3	16700	5200	30.77	2	-	**R107**	**DV160M4**
	52.0	1.4	18100	4040	33.25	3	-	**R97**	**DV160M4**
	49.0	2.0	19200	5370	35.26	3	-	**R107**	**DV160M4**
	47.0	1.3	20200	4110	37.13	3	-	**R97**	**DV160M4**
	46.0	3.5	20500	13700	37.65	3	-	**R137**	**DV160M4**
	43.0	1.8	21900	5540	40.37	3	-	**R107**	**DV160M4**
	41.0	1.2	23300	4210	42.78	3	-	**R97**	**DV160M4**
	39.0	2.9	24100	13600	44.39	3	-	**R137**	**DV160M4**
	37.0	1.1	25900	4270	47.58	3	-	**R97**	**DV160M4**
	37.0	1.5	25900	5740	47.63	3	-	**R107**	**DV160M4**
	34.0	2.6	27600	13500	50.86	3	-	**R137**	**DV160M4**
	33.0	1.4	28600	5850	52.68	3	-	**R107**	**DV160M4**
	29.0	1.2	32300	5990	59.41	3	-	**R107**	**DV160M4**
	29.0	2.2	32200	13400	59.17	3	-	**R137**	**DV160M4**
	27.0	1.1	35700	6090	65.60	3	-	**R107**	**DV160M4**
	27.0	2.0	35400	13400	65.20	3	-	**R137**	**DV160M4**
	26.0	3.2	36400	16500	66.99	3	-	**R147**	**DV160M4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
15	**24.0**	1.8	39900	13300	73.49	3	-	**R137**	**DV160M4**
	24.0	2.9	39200	16500	72.09	3	-	**R147**	**DV160M4**
	22.0	1.6	44000	13100	80.91	3	-	**R137**	**DV160M4**
	21.0	2.5	45400	16400	83.47	3	-	**R147**	**DV160M4**
	20.0	1.5	48200	13000	88.70	3	-	**R137**	**DV160M4**
	18.0	2.2	51400	16300	94.60	3	-	**R147**	**DV160M4**
	17.0	1.3	56100	12700	103.20	3	-	**R137**	**DV160M4**
	16.0	2.0	59400	16100	109.31	3	-	**R147**	**DV160M4**
	15.0	1.2	61800	12400	113.72	3	-	**R137**	**DV160M4**
	15.0	1.8	65100	16000	119.86	3	-	**R147**	**DV160M4**
	14.0	1.0	69700	12100	128.18	3	-	**R137**	**DV160M4**
	14.0	2.4	66200	27000	121.81	3	-	**R167**	**DV160M4**
	12.0	1.5	79900	15500	146.91	3	-	**R147**	**DV160M4**
	12.0	2.1	76100	27000	139.98	3	-	**R167**	**DV160M4**
	11.0	1.3	88800	15200	163.31	3	-	**R147**	**DV160M4**
	11.0	1.5	79300	15500	159	3	2	**R147R87**	**DV160M4**
	9.3	1.6	101600	27000	186.93	3	-	**R167**	**DV160M4**
	9.2	1.2	94400	15000	189	3	2	**R147R87**	**DV160M4**
	8.8	1.6	99900	27000	198	2	2	**R167R107**	**DV160M4**
	8.1	1.1	106700	14500	214	3	2	**R147R87**	**DV160M4**
	7.7	1.4	114600	27000	227	2	2	**R167R107**	**DV160M4**
	7.6	1.3	124900	27000	229.71	3	-	**R167**	**DV160M4**
	6.2	1.2	138900	27000	279	3	2	**R167R97**	**DV160M4**
	5.8	1.1	150800	27000	303	3	2	**R167R97**	**DV160M4**
20	**1265.0**	2.6	1000	830	1.39	1	-	**RX87**	**DV160L4**
	1100.0	2.4	1150	860	1.60	1	-	**RX87**	**DV160L4**
	913.0	2.3	1380	900	1.93	1	-	**RX87**	**DV160L4**
	817.0	2.2	1540	920	2.15	1	-	**RX87**	**DV160L4**
	786.0	3.3	1610	1230	2.24	1	-	**RX97**	**DV160L4**
	709.0	2.0	1780	950	2.48	1	-	**RX87**	**DV160L4**
	666.0	2.8	1890	1290	2.64	1	-	**RX97**	**DV160L4**
	638.0	1.8	1980	970	2.76	1	-	**RX87**	**DV160L4**
	602.0	2.5	2090	1320	2.92	1	-	**RX97**	**DV160L4**
	570.0	1.6	2210	990	3.09	1	-	**RX87**	**DV160L4**
	534.0	2.2	2360	1360	3.30	1	-	**RX97**	**DV160L4**
	506.0	1.5	2490	1010	3.48	1	-	**RX87**	**DV160L4**
	484.0	2.0	2610	1390	3.64	1	-	**RX97**	**DV160L4**
	435.0	1.8	2900	1420	4.04	1	-	**RX97**	**DV160L4**
	389.0	1.6	3240	1450	4.52	1	-	**RX97**	**DV160L4**
	378.0	1.9	3330	1790	4.65	1	-	**RX107**	**DV160L4**
	339.0	4.2	3720	2510	5.20	2	-	**R97**	**DV160L4**
	332.0	2.1	3800	2050	5.30	2	-	**R87**	**DV160L4**
	276.0	2.0	4580	2160	6.39	2	-	**R87**	**DV160L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
20	**247.0**	1.9	5110	2220	7.13	2	-	**R87**	**DV160L4**
	247.0	3.5	5100	2740	7.12	2	-	**R97**	**DV160L4**
	214.0	1.8	5890	2300	8.22	2	-	**R87**	**DV160L4**
	210.0	3.0	6010	2870	8.39	2	-	**R97**	**DV160L4**
	193.0	1.7	6550	2360	9.14	2	-	**R87**	**DV160L4**
	190.0	2.7	6650	2950	9.29	2	-	**R97**	**DV160L4**
	178.0	1.5	7090	2330	9.90	2	-	**R87**	**DV160L4**
	163.0	2.4	7760	3000	10.83	2	-	**R97**	**DV160L4**
	147.0	1.3	8550	2420	11.93	2	-	**R87**	**DV160L4**
	142.0	2.2	8880	3100	12.39	2	-	**R97**	**DV160L4**
	132.0	1.2	9550	2460	13.33	2	-	**R87**	**DV160L4**
	120.0	2.0	10500	3220	14.62	2	-	**R97**	**DV160L4**
	115.0	1.1	11000	2520	15.35	2	-	**R87**	**DV160L4**
	112.0	3.4	11200	4220	15.65	2	-	**R107**	**DV160L4**
	109.0	1.9	11600	3290	16.17	2	-	**R97**	**DV160L4**
	103.0	1.0	12200	2560	17.08	2	-	**R87**	**DV160L4**
	97.0	2.9	13000	4390	18.21	2	-	**R107**	**DV160L4**
	96.0	1.7	13100	3380	18.24	2	-	**R97**	**DV160L4**
	88.0	2.7	14400	4490	20.07	2	-	**R107**	**DV160L4**
	87.0	1.6	14400	3440	20.14	2	-	**R97**	**DV160L4**
	79.0	1.5	16000	3510	22.37	2	-	**R97**	**DV160L4**
	78.0	2.3	16200	4620	22.62	2	-	**R107**	**DV160L4**
	71.0	2.1	17800	4730	24.90	2	-	**R107**	**DV160L4**
	70.0	1.4	17900	3580	25.03	2	-	**R97**	**DV160L4**
	64.0	1.2	19800	3630	27.58	3	-	**R97**	**DV160L4**
	64.0	2.0	19800	4840	27.58	2	-	**R107**	**DV160L4**
	60.0	1.8	21100	4910	29.49	3	-	**R107**	**DV160L4**
	60.0	3.2	21200	13600	29.57	2	-	**R137**	**DV160L4**
	57.0	1.8	22000	4950	30.77	2	-	**R107**	**DV160L4**
	53.0	1.1	23800	3720	33.25	3	-	**R97**	**DV160L4**
	53.0	3.0	23600	13600	32.91	3	-	**R137**	**DV160L4**
	50.0	1.5	25300	5090	35.26	3	-	**R107**	**DV160L4**
	47.0	1.0	26600	3770	37.13	3	-	**R97**	**DV160L4**
	47.0	2.6	27000	13600	37.65	3	-	**R137**	**DV160L4**
	44.0	1.3	28900	5220	40.37	3	-	**R107**	**DV160L4**
	40.0	2.2	31800	13500	44.39	3	-	**R137**	**DV160L4**
	37.0	1.1	34100	5360	47.63	3	-	**R107**	**DV160L4**
	35.0	2.0	36400	13300	50.86	3	-	**R137**	**DV160L4**
	33.0	1.0	37700	5440	52.68	3	-	**R107**	**DV160L4**
	33.0	3.0	37900	16500	52.87	3	-	**R147**	**DV160L4**
	30.0	1.7	42400	13200	59.17	3	-	**R137**	**DV160L4**
	29.0	2.6	43800	16400	61.09	3	-	**R147**	**DV160L4**
	27.0	1.5	46700	13000	65.20	3	-	**R137**	**DV160L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
20	**26.0**	2.4	48000	16300	66.99	3	-	**R147**	**DV160L4**
	24.0	1.4	52700	12800	73.49	3	-	**R137**	**DV160L4**
	24.0	2.2	51700	16300	72.09	3	-	**R147**	**DV160L4**
	22.0	1.2	58000	12600	80.91	3	-	**R137**	**DV160L4**
	21.0	1.9	59800	16100	83.47	3	-	**R147**	**DV160L4**
	21.0	2.7	59400	27000	82.91	3	-	**R167**	**DV160L4**
	20.0	1.1	63600	12400	88.70	3	-	**R137**	**DV160L4**
	19.0	1.7	67800	15900	94.60	3	-	**R147**	**DV160L4**
	19.0	2.4	66800	27000	93.19	3	-	**R167**	**DV160L4**
	16.0	1.5	78300	15600	109.31	3	-	**R147**	**DV160L4**
	16.0	2.1	77000	27000	107.49	3	-	**R167**	**DV160L4**
	15.0	1.4	85900	15300	119.86	3	-	**R147**	**DV160L4**
	14.0	1.8	87300	27000	121.81	3	-	**R167**	**DV160L4**
	13.0	1.6	100300	27000	139.98	3	-	**R167**	**DV160L4**
	12.0	1.1	105300	14500	146.91	3	-	**R147**	**DV160L4**
	12.0	1.5	109700	27000	153.07	3	-	**R167**	**DV160L4**
	11.0	1.0	117000	14000	163.31	3	-	**R147**	**DV160L4**
	10.0	1.4	111900	27000	168	2	2	**R167R107**	**DV160L4**
	9.4	1.2	133900	27000	186.93	3	-	**R167**	**DV160L4**
	8.9	1.2	132100	27000	198	2	2	**R167R107**	**DV160L4**
	7.8	1.1	151400	27000	227	2	2	**R167R107**	**DV160L4**
25	**1265.0**	2.1	1250	795	1.39	1	-	**RX87**	**DV180M4**
	1240.0	3.2	1270	1060	1.42	1	-	**RX97**	**DV180M4**
	1220.0	4.4	1290	1290	1.44	1	-	**RX107**	**DV180M4**
	1100.0	2.0	1430	820	1.60	1	-	**RX87**	**DV180M4**
	1075.0	3.0	1470	1100	1.64	1	-	**RX97**	**DV180M4**
	1030.0	4.1	1530	1350	1.71	1	-	**RX107**	**DV180M4**
	913.0	1.8	1730	850	1.93	1	-	**RX87**	**DV180M4**
	900.0	2.9	1750	1150	1.96	1	-	**RX97**	**DV180M4**
	817.0	1.8	1930	870	2.15	1	-	**RX87**	**DV180M4**
	786.0	2.6	2010	1190	2.24	1	-	**RX97**	**DV180M4**
	709.0	1.6	2220	890	2.48	1	-	**RX87**	**DV180M4**
	666.0	2.2	2370	1240	2.64	1	-	**RX97**	**DV180M4**
	638.0	1.5	2470	860	2.76	1	-	**RX87**	**DV180M4**
	602.0	2.0	2620	1260	2.92	1	-	**RX97**	**DV180M4**
	573.0	2.7	2750	1570	3.07	1	-	**RX107**	**DV180M4**
	534.0	1.8	2950	1300	3.30	1	-	**RX97**	**DV180M4**
	520.0	2.4	3030	1600	3.38	1	-	**RX107**	**DV180M4**
	484.0	1.6	3260	1320	3.64	1	-	**RX97**	**DV180M4**
	461.0	2.2	3420	1640	3.81	1	-	**RX107**	**DV180M4**
	419.0	2.0	3760	1680	4.20	1	-	**RX107**	**DV180M4**
	391.0	3.6	4030	2370	4.50	2	-	**R97**	**DV180M4**

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See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
25	**339.0**	3.4	4660	2470	5.20	2	-	**R97**	**DV180M4**
	332.0	1.7	4750	2010	5.30	2	-	**R87**	**DV180M4**
	283.0	3.0	5570	2590	6.21	2	-	**R97**	**DV180M4**
	276.0	1.6	5720	2100	6.39	2	-	**R87**	**DV180M4**
	247.0	1.5	6390	2160	7.13	2	-	**R87**	**DV180M4**
	247.0	2.8	6370	2690	7.12	2	-	**R97**	**DV180M4**
	214.0	1.4	7360	2230	8.22	2	-	**R87**	**DV180M4**
	210.0	2.4	7520	2810	8.39	2	-	**R97**	**DV180M4**
	193.0	1.3	8190	2280	9.14	2	-	**R87**	**DV180M4**
	190.0	2.2	8320	2880	9.29	2	-	**R97**	**DV180M4**
	178.0	1.2	8870	2220	9.90	2	-	**R87**	**DV180M4**
	174.0	4.2	9070	3680	10.13	2	-	**R107**	**DV180M4**
	163.0	1.9	9700	2900	10.83	2	-	**R97**	**DV180M4**
	152.0	3.7	10400	3810	11.59	2	-	**R107**	**DV180M4**
	147.0	1.0	10700	2280	11.93	2	-	**R87**	**DV180M4**
	142.0	1.8	11100	2990	12.39	2	-	**R97**	**DV180M4**
	129.0	3.1	12200	3970	13.66	2	-	**R107**	**DV180M4**
	120.0	1.6	13100	3090	14.62	2	-	**R97**	**DV180M4**
	112.0	2.7	14000	4100	15.65	2	-	**R107**	**DV180M4**
	109.0	1.5	14500	3150	16.17	2	-	**R97**	**DV180M4**
	97.0	2.3	16300	4250	18.21	2	-	**R107**	**DV180M4**
	96.0	1.4	16300	3210	18.24	2	-	**R97**	**DV180M4**
	88.0	2.1	18000	4340	20.07	2	-	**R107**	**DV180M4**
	87.0	1.3	18000	3260	20.14	2	-	**R97**	**DV180M4**
	80.0	3.6	19700	13700	22.00	2	-	**R137**	**DV180M4**
	78.0	1.9	20300	4450	22.62	2	-	**R107**	**DV180M4**
	73.0	3.3	21600	13600	24.12	2	-	**R137**	**DV180M4**
	71.0	1.7	22300	4540	24.90	2	-	**R107**	**DV180M4**
	60.0	1.5	26400	4680	29.49	3	-	**R107**	**DV180M4**
	60.0	2.6	26500	13600	29.57	2	-	**R137**	**DV180M4**
	53.0	2.4	29500	13500	32.91	3	-	**R137**	**DV180M4**
	50.0	1.2	31600	4820	35.26	3	-	**R107**	**DV180M4**
	47.0	2.1	33700	13400	37.65	3	-	**R137**	**DV180M4**
	44.0	1.1	36200	4910	40.37	3	-	**R107**	**DV180M4**
	44.0	3.2	36100	16500	40.29	3	-	**R147**	**DV180M4**
	40.0	1.8	39800	13300	44.39	3	-	**R137**	**DV180M4**
	38.0	2.8	41800	16400	46.65	3	-	**R147**	**DV180M4**
	35.0	1.6	45600	13100	50.86	3	-	**R137**	**DV180M4**
	33.0	2.4	47400	16300	52.87	3	-	**R147**	**DV180M4**
	30.0	1.4	53000	12800	59.17	3	-	**R137**	**DV180M4**
	29.0	2.1	54700	16200	61.09	3	-	**R147**	**DV180M4**
	27.0	1.2	58400	12600	65.20	3	-	**R137**	**DV180M4**
	26.0	1.9	60000	16100	66.99	3	-	**R147**	**DV180M4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
25	**26.0**	2.6	60400	27000	67.40	3	-	**R167**	**DV180M4**
	24.0	1.1	65800	12300	73.49	3	-	**R137**	**DV180M4**
	24.0	1.8	64600	16000	72.09	3	-	**R147**	**DV180M4**
	24.0	2.4	66000	27000	73.70	3	-	**R167**	**DV180M4**
	22.0	1.0	72500	11900	80.91	3	-	**R137**	**DV180M4**
	21.0	1.6	74800	15700	83.47	3	-	**R147**	**DV180M4**
	21.0	2.1	74300	27000	82.91	3	-	**R167**	**DV180M4**
	19.0	1.4	84700	15400	94.60	3	-	**R147**	**DV180M4**
	16.0	1.2	97900	14900	109.31	3	-	**R147**	**DV180M4**
	16.0	1.7	96300	27000	107.49	3	-	**R167**	**DV180M4**
	15.0	1.1	107300	14500	119.86	3	-	**R147**	**DV180M4**
	14.0	1.5	109100	27000	121.81	3	-	**R167**	**DV180M4**
	13.0	1.3	125400	27000	139.98	3	-	**R167**	**DV180M4**
	12.0	1.2	137100	27000	153.07	3	-	**R167**	**DV180M4**
	10.0	1.2	140200	27000	168	2	2	**R167R107**	**DV180M4**
30	**1265.0**	1.7	1500	760	1.39	1	-	**RX87**	**DV180L4**
	1240.0	2.6	1520	1030	1.42	1	-	**RX97**	**DV180L4**
	1100.0	1.6	1720	740	1.60	1	-	**RX87**	**DV180L4**
	1075.0	2.5	1760	1070	1.64	1	-	**RX97**	**DV180L4**
	1030.0	3.4	1840	1320	1.71	1	-	**RX107**	**DV180L4**
	913.0	1.5	2070	700	1.93	1	-	**RX87**	**DV180L4**
	900.0	2.4	2100	1120	1.96	1	-	**RX97**	**DV180L4**
	817.0	1.5	2310	650	2.15	1	-	**RX87**	**DV180L4**
	786.0	2.2	2410	1150	2.24	1	-	**RX97**	**DV180L4**
	764.0	3.0	2480	1420	2.30	1	-	**RX107**	**DV180L4**
	709.0	1.4	2670	575	2.48	1	-	**RX87**	**DV180L4**
	667.0	2.6	2840	1460	2.64	1	-	**RX107**	**DV180L4**
	666.0	1.9	2840	1190	2.64	1	-	**RX97**	**DV180L4**
	638.0	1.2	2970	505	2.76	1	-	**RX87**	**DV180L4**
	602.0	1.7	3140	1210	2.92	1	-	**RX97**	**DV180L4**
	573.0	2.2	3300	1510	3.07	1	-	**RX107**	**DV180L4**
	534.0	1.5	3540	1230	3.30	1	-	**RX97**	**DV180L4**
	520.0	2.0	3640	1540	3.38	1	-	**RX107**	**DV180L4**
	484.0	1.4	3910	1250	3.64	1	-	**RX97**	**DV180L4**
	461.0	1.8	4100	1570	3.81	1	-	**RX107**	**DV180L4**
	419.0	1.7	4510	1600	4.20	1	-	**RX107**	**DV180L4**
	391.0	3.0	4840	2330	4.50	2	-	**R97**	**DV180L4**
	339.0	2.8	5590	2430	5.20	2	-	**R97**	**DV180L4**
	332.0	1.4	5700	1960	5.30	2	-	**R87**	**DV180L4**
	283.0	2.5	6680	2550	6.21	2	-	**R97**	**DV180L4**
	276.0	1.3	6870	2040	6.39	2	-	**R87**	**DV180L4**
	247.0	1.3	7670	2090	7.13	2	-	**R87**	**DV180L4**
	247.0	2.3	7650	2640	7.12	2	-	**R97**	**DV180L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
30	**214.0**	1.2	8830	2150	8.22	2	-	**R87**	**DV180L4**
	210.0	2.0	9020	2750	8.39	2	-	**R97**	**DV180L4**
	193.0	1.1	9830	2200	9.14	2	-	**R87**	**DV180L4**
	190.0	1.8	9980	2810	9.29	2	-	**R97**	**DV180L4**
	178.0	1.0	10600	2110	9.90	2	-	**R87**	**DV180L4**
	174.0	3.5	10900	3600	10.13	2	-	**R107**	**DV180L4**
	163.0	1.6	11600	2800	10.83	2	-	**R97**	**DV180L4**
	152.0	3.0	12500	3720	11.59	2	-	**R107**	**DV180L4**
	142.0	1.5	13300	2870	12.39	2	-	**R97**	**DV180L4**
	129.0	2.6	14700	3870	13.66	2	-	**R107**	**DV180L4**
	120.0	1.3	15700	2950	14.62	2	-	**R97**	**DV180L4**
	112.0	2.3	16800	3980	15.65	2	-	**R107**	**DV180L4**
	109.0	1.2	17400	3000	16.17	2	-	**R97**	**DV180L4**
	97.0	2.0	19600	4110	18.21	2	-	**R107**	**DV180L4**
	96.0	1.2	19600	3040	18.24	2	-	**R97**	**DV180L4**
	92.0	3.5	20500	13700	19.04	2	-	**R137**	**DV180L4**
	88.0	1.8	21600	4190	20.07	2	-	**R107**	**DV180L4**
	87.0	1.1	21600	3070	20.14	2	-	**R97**	**DV180L4**
	80.0	3.0	23600	13600	22.00	2	-	**R137**	**DV180L4**
	78.0	1.6	24300	4280	22.62	2	-	**R107**	**DV180L4**
	73.0	2.7	25900	13600	24.12	2	-	**R137**	**DV180L4**
	71.0	1.4	26800	4350	24.90	2	-	**R107**	**DV180L4**
	60.0	1.2	31700	4460	29.49	3	-	**R107**	**DV180L4**
	60.0	2.2	31800	13500	29.57	2	-	**R137**	**DV180L4**
	53.0	2.0	35400	13400	32.91	3	-	**R137**	**DV180L4**
	50.0	1.0	37900	4550	35.26	3	-	**R107**	**DV180L4**
	49.0	3.0	38300	16500	35.64	3	-	**R147**	**DV180L4**
	47.0	1.8	40500	13200	37.65	3	-	**R137**	**DV180L4**
	44.0	2.7	43300	16400	40.29	3	-	**R147**	**DV180L4**
	40.0	1.5	47700	13000	44.39	3	-	**R137**	**DV180L4**
	38.0	2.3	50100	16300	46.65	3	-	**R147**	**DV180L4**
	35.0	1.3	54700	12800	50.86	3	-	**R137**	**DV180L4**
	33.0	2.0	56800	16100	52.87	3	-	**R147**	**DV180L4**
	30.0	1.1	63600	12400	59.17	3	-	**R137**	**DV180L4**
	30.0	2.5	63000	27000	58.65	3	-	**R167**	**DV180L4**
	29.0	1.8	65700	15900	61.09	3	-	**R147**	**DV180L4**
	27.0	1.0	70100	12000	65.20	3	-	**R137**	**DV180L4**
	26.0	1.6	72000	15800	66.99	3	-	**R147**	**DV180L4**
	26.0	2.2	72400	27000	67.40	3	-	**R167**	**DV180L4**
	24.0	1.5	77500	15600	72.09	3	-	**R147**	**DV180L4**
	24.0	2.0	79200	27000	73.70	3	-	**R167**	**DV180L4**
	21.0	1.3	89700	15200	83.47	3	-	**R147**	**DV180L4**
	21.0	1.8	89100	27000	82.91	3	-	**R167**	**DV180L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
30	**19.0**	1.2	101700	14700	94.60	3	-	**R147**	**DV180L4**
	19.0	1.6	100200	27000	93.19	3	-	**R167**	**DV180L4**
	16.0	1.0	117500	14000	109.31	3	-	**R147**	**DV180L4**
	16.0	1.4	115500	27000	107.49	3	-	**R167**	**DV180L4**
	14.0	1.2	130900	27000	121.81	3	-	**R167**	**DV180L4**
	13.0	1.1	150500	27000	139.98	3	-	**R167**	**DV180L4**
40	**1240.0**	2.0	2030	970	1.42	1	-	**RX97**	**DV200L4**
	1075.0	1.9	2340	1000	1.64	1	-	**RX97**	**DV200L4**
	1030.0	2.5	2450	1250	1.71	1	-	**RX107**	**DV200L4**
	900.0	1.8	2800	1040	1.96	1	-	**RX97**	**DV200L4**
	900.0	2.4	2800	1280	1.95	1	-	**RX107**	**DV200L4**
	786.0	1.7	3210	1060	2.24	1	-	**RX97**	**DV200L4**
	764.0	2.2	3300	1330	2.30	1	-	**RX107**	**DV200L4**
	667.0	2.0	3780	1360	2.64	1	-	**RX107**	**DV200L4**
	666.0	1.4	3790	1050	2.64	1	-	**RX97**	**DV200L4**
	602.0	1.3	4190	980	2.92	1	-	**RX97**	**DV200L4**
	573.0	1.7	4400	1400	3.07	1	-	**RX107**	**DV200L4**
	520.0	1.5	4850	1410	3.38	1	-	**RX107**	**DV200L4**
	391.0	2.2	6450	2270	4.50	2	-	**R97**	**DV200L4**
	339.0	2.1	7450	2350	5.20	2	-	**R97**	**DV200L4**
	302.0	3.2	8350	3080	5.82	2	-	**R107**	**DV200L4**
	283.0	1.9	8910	2450	6.21	2	-	**R97**	**DV200L4**
	264.0	2.8	9550	3190	6.66	2	-	**R107**	**DV200L4**
	247.0	1.8	10200	2530	7.12	2	-	**R97**	**DV200L4**
	224.0	2.3	11300	3330	7.86	2	-	**R107**	**DV200L4**
	210.0	1.5	12000	2620	8.39	2	-	**R97**	**DV200L4**
	206.0	3.1	12300	3320	8.56	2	-	**R107**	**DV200L4**
	190.0	1.4	13300	2670	9.29	2	-	**R97**	**DV200L4**
	174.0	2.6	14500	3450	10.13	2	-	**R107**	**DV200L4**
	163.0	1.2	15500	2610	10.83	2	-	**R97**	**DV200L4**
	152.0	2.3	16600	3550	11.59	2	-	**R107**	**DV200L4**
	142.0	1.1	17800	2650	12.39	2	-	**R97**	**DV200L4**
	129.0	2.0	19600	3660	13.66	2	-	**R107**	**DV200L4**
	121.0	3.4	20800	13000	14.51	2	-	**R137**	**DV200L4**
	112.0	1.7	22400	3750	15.65	2	-	**R107**	**DV200L4**
	105.0	2.9	24100	13300	16.80	2	-	**R137**	**DV200L4**
	97.0	1.5	26100	3840	18.21	2	-	**R107**	**DV200L4**
	92.0	2.6	27300	13500	19.04	2	-	**R137**	**DV200L4**
	88.0	1.3	28800	3890	20.07	2	-	**R107**	**DV200L4**
	80.0	2.2	31500	13500	22.00	2	-	**R137**	**DV200L4**
	73.0	2.0	34600	13400	24.12	2	-	**R137**	**DV200L4**
	63.0	1.7	39900	13300	27.83	3	-	**R137**	**DV200L4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
40	**59.0**	2.7	42900	16400	29.95	3	-	**R147**	**DV200L4**
	53.0	1.5	47200	13000	32.91	3	-	**R137**	**DV200L4**
	49.0	2.2	51100	16300	35.64	3	-	**R147**	**DV200L4**
	47.0	1.3	54000	12800	37.65	3	-	**R137**	**DV200L4**
	44.0	2.0	57700	16100	40.29	3	-	**R147**	**DV200L4**
	40.0	1.1	63600	12400	44.39	3	-	**R137**	**DV200L4**
	39.0	2.5	64300	27000	44.87	3	-	**R167**	**DV200L4**
	38.0	1.7	66900	15900	46.65	3	-	**R147**	**DV200L4**
	34.0	2.2	74200	27000	51.76	3	-	**R167**	**DV200L4**
	33.0	1.5	75800	15700	52.87	3	-	**R147**	**DV200L4**
	30.0	1.9	84000	27000	58.65	3	-	**R167**	**DV200L4**
	29.0	1.3	87600	15300	61.09	3	-	**R147**	**DV200L4**
	26.0	1.2	96000	14900	66.99	3	-	**R147**	**DV200L4**
	26.0	1.7	96600	27000	67.40	3	-	**R167**	**DV200L4**
	24.0	1.1	103300	14600	72.09	3	-	**R147**	**DV200L4**
	24.0	1.5	105600	27000	73.70	3	-	**R167**	**DV200L4**
	21.0	1.4	118800	27000	82.91	3	-	**R167**	**DV200L4**
	19.0	1.2	133500	27000	93.19	3	-	**R167**	**DV200L4**
	16.0	1.1	154000	27000	107.49	3	-	**R167**	**DV200L4**
50	**1220.0**	2.2	2590	1140	1.44	1	-	**RX107**	**DV225S4**
	1030.0	2.0	3060	1180	1.71	1	-	**RX107**	**DV225S4**
	900.0	2.0	3500	1210	1.95	1	-	**RX107**	**DV225S4**
	764.0	1.8	4130	1240	2.30	1	-	**RX107**	**DV225S4**
	667.0	1.6	4730	1260	2.64	1	-	**RX107**	**DV225S4**
	573.0	1.4	5500	1280	3.07	1	-	**RX107**	**DV225S4**
	520.0	1.2	6060	1270	3.38	1	-	**RX107**	**DV225S4**
	357.0	2.9	8820	2880	4.92	2	-	**R107**	**DV225S4**
	302.0	2.5	10400	3010	5.82	2	-	**R107**	**DV225S4**
	264.0	2.2	11900	3110	6.66	2	-	**R107**	**DV225S4**
	224.0	1.9	14100	3230	7.86	2	-	**R107**	**DV225S4**
	206.0	2.5	15300	3190	8.56	2	-	**R107**	**DV225S4**
	174.0	2.1	18100	3290	10.13	2	-	**R107**	**DV225S4**
	163.0	3.7	19300	11900	10.79	2	-	**R137**	**DV225S4**
	152.0	1.9	20800	3370	11.59	2	-	**R107**	**DV225S4**
	137.0	3.1	23000	12200	12.83	2	-	**R137**	**DV225S4**
	129.0	1.6	24500	3450	13.66	2	-	**R107**	**DV225S4**
	121.0	2.7	26000	12400	14.51	2	-	**R137**	**DV225S4**
	112.0	1.4	28000	3510	15.65	2	-	**R107**	**DV225S4**
	105.0	2.3	30100	12600	16.80	2	-	**R137**	**DV225S4**
	97.0	1.2	32600	3560	18.21	2	-	**R107**	**DV225S4**
	92.0	2.1	34100	12800	19.04	2	-	**R137**	**DV225S4**
	88.0	1.1	35900	3580	20.07	2	-	**R107**	**DV225S4**
	86.0	2.9	36600	16500	20.44	2	-	**R147**	**DV225S4**

NOTES: **Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.**
See page 42 for available mounting options. See page 156 for weights.
Overhung loads (OHL) are at shaft midpoint.
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[1] Pri. = primary reducer Sec. = secondary reducer.

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
50	**80.0**	1.8	39400	12900	22.00	2	-	**R137**	**DV225S4**
	73.0	1.7	43200	13000	24.12	2	-	**R137**	**DV225S4**
	73.0	2.4	43300	16400	24.19	3	-	**R147**	**DV225S4**
	63.0	1.4	49800	12900	27.83	3	-	**R137**	**DV225S4**
	59.0	2.1	53700	16200	29.95	3	-	**R147**	**DV225S4**
	57.0	1.6	55000	27000	30.71	2	-	**R167**	**DV225S4**
	53.0	1.2	59000	12600	32.91	3	-	**R137**	**DV225S4**
	51.0	2.6	61600	27000	34.41	3	-	**R167**	**DV225S4**
	49.0	1.8	63800	16000	35.64	3	-	**R147**	**DV225S4**
	47.0	1.1	67400	12200	37.65	3	-	**R137**	**DV225S4**
	44.0	1.6	72200	15800	40.29	3	-	**R147**	**DV225S4**
	44.0	2.2	71500	27000	39.92	3	-	**R167**	**DV225S4**
	39.0	2.0	80400	27000	44.87	3	-	**R167**	**DV225S4**
	38.0	1.4	83600	15400	46.65	3	-	**R147**	**DV225S4**
	34.0	1.7	92700	27000	51.76	3	-	**R167**	**DV225S4**
	33.0	1.2	94700	15000	52.87	3	-	**R147**	**DV225S4**
	30.0	1.5	105100	27000	58.65	3	-	**R167**	**DV225S4**
	29.0	1.1	109400	14400	61.09	3	-	**R147**	**DV225S4**
	26.0	1.3	120700	27000	67.40	3	-	**R167**	**DV225S4**
	24.0	1.2	132000	27000	73.70	3	-	**R167**	**DV225S4**
	21.0	1.1	148500	27000	82.91	3	-	**R167**	**DV225S4**
60	**1220.0**	1.9	3100	1080	1.44	1	-	**RX107**	**DV225M4**
	1030.0	1.7	3670	1110	1.71	1	-	**RX107**	**DV225M4**
	900.0	1.6	4200	1130	1.95	1	-	**RX107**	**DV225M4**
	764.0	1.5	4950	1090	2.30	1	-	**RX107**	**DV225M4**
	667.0	1.3	5680	990	2.64	1	-	**RX107**	**DV225M4**
	573.0	1.1	6600	840	3.07	1	-	**RX107**	**DV225M4**
	520.0	1.0	7280	720	3.38	1	-	**RX107**	**DV225M4**
	357.0	2.4	10600	2820	4.92	2	-	**R107**	**DV225M4**
	302.0	2.1	12500	2930	5.82	2	-	**R107**	**DV225M4**
	264.0	1.9	14300	3020	6.66	2	-	**R107**	**DV225M4**
	224.0	1.6	16900	3130	7.86	2	-	**R107**	**DV225M4**
	206.0	2.1	18400	3060	8.56	2	-	**R107**	**DV225M4**
	174.0	1.8	21800	3140	10.13	2	-	**R107**	**DV225M4**
	163.0	3.0	23200	11400	10.79	2	-	**R137**	**DV225M4**
	152.0	1.6	24900	3200	11.59	2	-	**R107**	**DV225M4**
	137.0	2.6	27600	11700	12.83	2	-	**R137**	**DV225M4**
	129.0	1.3	29400	3250	13.66	2	-	**R107**	**DV225M4**
	121.0	2.3	31200	11800	14.51	2	-	**R137**	**DV225M4**
	112.0	1.2	33600	3270	15.65	2	-	**R107**	**DV225M4**
	105.0	2.0	36100	11900	16.80	2	-	**R137**	**DV225M4**
	98.0	2.4	38800	16500	18.04	2	-	**R147**	**DV225M4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
60	**92.0**	1.8	40900	12000	19.04	2	-	**R137**	**DV225M4**
	86.0	2.4	43900	16400	20.44	2	-	**R147**	**DV225M4**
	80.0	1.5	47300	12000	22.00	2	-	**R137**	**DV225M4**
	73.0	1.4	51900	12000	24.12	2	-	**R137**	**DV225M4**
	73.0	2.0	52000	16200	24.19	3	-	**R147**	**DV225M4**
	63.0	1.2	59800	11900	27.83	3	-	**R137**	**DV225M4**
	63.0	2.7	60100	27000	27.96	3	-	**R167**	**DV225M4**
	59.0	1.8	64400	16000	29.95	3	-	**R147**	**DV225M4**
	57.0	1.4	66000	27000	30.71	2	-	**R167**	**DV225M4**
	53.0	1.0	70700	11600	32.91	3	-	**R137**	**DV225M4**
	51.0	2.2	74000	27000	34.41	3	-	**R167**	**DV225M4**
	49.0	1.5	76600	15600	35.64	3	-	**R147**	**DV225M4**
	44.0	1.4	86600	15300	40.29	3	-	**R147**	**DV225M4**
	39.0	1.7	96500	27000	44.87	3	-	**R167**	**DV225M4**
	38.0	1.2	100300	14800	46.65	3	-	**R147**	**DV225M4**
	34.0	1.5	111300	27000	51.76	3	-	**R167**	**DV225M4**
	33.0	1.0	113700	14100	52.87	3	-	**R147**	**DV225M4**
	30.0	1.3	126100	27000	58.65	3	-	**R167**	**DV225M4**
	26.0	1.1	144900	27000	67.40	3	-	**R167**	**DV225M4**
	24.0	1.0	158400	27000	73.70	3	-	**R167**	**DV225M4**
75	**354.0**	5.8	13300	15000	5.00	2	-	**R147**	**D250M4**
	344.0	3.0	13800	9800	5.15	2	-	**R137**	**D250M4**
	300.0	4.9	15700	15600	5.89	2	-	**R147**	**D250M4**
	277.0	2.7	17000	10200	6.38	2	-	**R137**	**D250M4**
	244.0	4.0	19400	16400	7.25	2	-	**R147**	**D250M4**
	233.0	2.2	20300	10500	7.59	2	-	**R137**	**D250M4**
	214.0	5.2	22100	16700	8.26	2	-	**R147**	**D250M4**
	203.0	3.0	23300	10500	8.71	2	-	**R137**	**D250M4**
	182.0	4.4	26000	16600	9.74	2	-	**R147**	**D250M4**
	164.0	2.5	28800	10800	10.79	2	-	**R137**	**D250M4**
	148.0	3.6	32000	16600	11.99	2	-	**R147**	**D250M4**
	138.0	2.1	34300	10900	12.83	2	-	**R137**	**D250M4**
	127.0	3.0	37200	16500	13.91	2	-	**R147**	**D250M4**
	122.0	1.9	38800	10900	14.51	2	-	**R137**	**D250M4**
	113.0	2.8	41800	16400	15.64	2	-	**R147**	**D250M4**
	105.0	1.6	44900	10900	16.80	2	-	**R137**	**D250M4**
	98.0	2.0	48200	16300	18.04	2	-	**R147**	**D250M4**
	93.0	1.4	50900	10800	19.04	2	-	**R137**	**D250M4**
	87.0	2.0	54600	16200	20.44	2	-	**R147**	**D250M4**
	81.0	2.0	58400	27000	21.85	2	-	**R167**	**D250M4**
	75.0	2.5	63300	27000	23.71	3	-	**R167**	**D250M4**
	73.0	1.7	64600	16000	24.19	3	-	**R147**	**D250M4**
	63.0	2.1	74700	27000	27.96	3	-	**R167**	**D250M4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
75	**59.0**	1.5	80000	15500	29.95	3	-	**R147**	**D250M4**
	51.0	1.8	91900	27000	34.41	3	-	**R167**	**D250M4**
	44.0	1.1	107700	14400	40.29	3	-	**R147**	**D250M4**
	44.0	1.5	106700	27000	39.92	3	-	**R167**	**D250M4**
	39.0	1.4	119900	27000	44.87	3	-	**R167**	**D250M4**
	34.0	1.2	138300	27000	51.76	3	-	**R167**	**D250M4**
	30.0	1.0	156700	27000	58.65	3	-	**R167**	**D250M4**
100	**355.0**	4.3	17700	14600	5.00	2	-	**R147**	**D280S4**
	301.0	3.7	20900	15100	5.89	2	-	**R147**	**D280S4**
	245.0	3.0	25800	15800	7.25	2	-	**R147**	**D280S4**
	215.0	3.9	29400	16400	8.26	2	-	**R147**	**D280S4**
	182.0	3.3	34600	16500	9.74	2	-	**R147**	**D280S4**
	148.0	2.7	42600	16400	11.99	2	-	**R147**	**D280S4**
	128.0	2.3	49400	16300	13.91	2	-	**R147**	**D280S4**
	114.0	2.1	55500	16200	15.64	2	-	**R147**	**D280S4**
	105.0	2.2	60300	27000	16.98	2	-	**R167**	**D280S4**
	98.0	1.5	64100	16000	18.04	2	-	**R147**	**D280S4**
	93.0	2.1	67600	27000	19.03	2	-	**R167**	**D280S4**
	87.0	1.5	72600	15700	20.44	2	-	**R147**	**D280S4**
	81.0	1.5	77600	27000	21.85	2	-	**R167**	**D280S4**
	75.0	1.9	84200	27000	23.71	3	-	**R167**	**D280S4**
	73.0	1.3	85900	15300	24.19	3	-	**R147**	**D280S4**
	72.0	1.4	87300	27000	24.57	2	-	**R167**	**D280S4**
	63.0	1.6	99300	27000	27.96	3	-	**R167**	**D280S4**
	59.0	1.1	106400	14500	29.95	3	-	**R147**	**D280S4**
	52.0	1.3	122200	27000	34.41	3	-	**R167**	**D280S4**
	44.0	1.1	141800	27000	39.92	3	-	**R167**	**D280S4**
	40.0	1.0	159400	27000	44.87	3	-	**R167**	**D280S4**
120	**355.0**	3.6	21300	14300	5.00	2	-	**R147**	**D280M4**
	301.0	3.0	25100	14800	5.89	2	-	**R147**	**D280M4**
	245.0	2.5	30900	15400	7.25	2	-	**R147**	**D280M4**
	215.0	3.3	35200	15900	8.26	2	-	**R147**	**D280M4**
	182.0	2.8	41500	16400	9.74	2	-	**R147**	**D280M4**
	148.0	2.2	51100	16300	11.99	2	-	**R147**	**D280M4**
	128.0	1.9	59300	16100	13.91	2	-	**R147**	**D280M4**
	123.0	2.6	61700	25600	14.48	2	-	**R167**	**D280M4**
	114.0	1.8	66700	15900	15.64	2	-	**R147**	**D280M4**
	105.0	1.9	72400	26300	16.98	2	-	**R167**	**D280M4**
	98.0	1.2	76900	15600	18.04	2	-	**R147**	**D280M4**
	93.0	1.8	81100	26800	19.03	2	-	**R167**	**D280M4**
	87.0	1.2	87100	15300	20.44	2	-	**R147**	**D280M4**
	81.0	1.3	93100	27000	21.85	2	-	**R167**	**D280M4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
120	**75.0**	1.6	101100	27000	23.71	3	-	**R167**	**D280M4**
	73.0	1.0	103100	14600	24.19	3	-	**R147**	**D280M4**
	63.0	1.4	119200	27000	27.96	3	-	**R167**	**D280M4**
	52.0	1.1	146700	27000	34.41	3	-	**R167**	**D280M4**
150	**174.0**	2.8	54400	23100	10.24	2	-	**R167**	**D315S4**
	148.0	2.4	63700	23800	11.99	2	-	**R167**	**D315S4**
	123.0	2.1	76900	24500	14.48	2	-	**R167**	**D315S4**
	105.0	1.5	90200	25000	16.98	2	-	**R167**	**D315S4**
	94.0	1.4	101100	25400	19.03	2	-	**R167**	**D315S4**
	75.0	1.3	126000	25900	23.71	3	-	**R167**	**D315S4**
	64.0	1.1	148600	26100	27.96	3	-	**R167**	**D315S4**
180	**174.0**	2.3	65300	22300	10.24	2	-	**R167**	**D315M4**
	148.0	2.0	76500	22900	11.99	2	-	**R167**	**D315M4**
	123.0	1.8	92300	23400	14.48	2	-	**R167**	**D315M4**
	105.0	1.3	108300	23800	16.98	2	-	**R167**	**D315M4**
	94.0	1.2	121400	24000	19.03	2	-	**R167**	**D315M4**
	75.0	1.1	151200	24200	23.71	3	-	**R167**	**D315M4**
220	**174.0**	1.9	79800	21400	10.24	2	-	**R167**	**D315M_a4**
	148.0	1.6	93500	21700	11.99	2	-	**R167**	**D315M_a4**
	123.0	1.4	112800	22000	14.48	2	-	**R167**	**D315M_a4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1150	**0.20**	950	8612	3	3	**R27R17**	**DT71K4**
	0.23	950	7425	3	3	**R27R17**	**DT71K4**
	0.25	950	6921	3	3	**R27R17**	**DT71K4**
	0.28	950	6050	3	3	**R27R17**	**DT71K4**
	0.33	950	5217	3	3	**R27R17**	**DT71K4**
	0.36	950	4661	3	3	**R27R17**	**DT71K4**
	0.42	950	4073	3	3	**R27R17**	**DT71K4**
	0.48	950	3516	3	3	**R27R17**	**DT71K4**
	0.54	950	3160	3	3	**R27R17**	**DT71K4**
	0.62	950	2763	3	3	**R27R17**	**DT71K4**
	0.70	950	2414	3	3	**R27R17**	**DT71K4**
	0.81	950	2110	3	3	**R27R17**	**DT71K4**
	0.91	950	1862	3	3	**R27R17**	**DT71K4**
	0.93	950	1822	2	3	**R27R17**	**DT71K4**
	1.0	950	1625	3	3	**R27R17**	**DT71K4**
	1.1	950	1580	2	3	**R27R17**	**DT71K4**
	1.2	950	1464	2	3	**R27R17**	**DT71K4**
	1.2	950	1434	3	3	**R27R17**	**DT71K4**
	1.3	950	1270	2	3	**R27R17**	**DT71K4**
	1.4	950	1254	3	3	**R27R17**	**DT71K4**
	1.5	950	1101	3	2	**R27R17**	**DT71K4**
	1.5	950	1100	2	3	**R27R17**	**DT71K4**
	1.8	950	972	2	3	**R27R17**	**DT71K4**
	1.8	950	962	3	2	**R27R17**	**DT71K4**
	2.0	950	848	3	2	**R27R17**	**DT71K4**
	2.0	950	840	2	3	**R27R17**	**DT71K4**
	2.3	950	743	3	2	**R27R17**	**DT71K4**
	2.3	950	741	2	3	**R27R17**	**DT71K4**
	2.6	950	654	2	3	**R27R17**	**DT71K4**
	2.6	950	649	3	2	**R27R17**	**DT71K4**
	3.0	950	567	3	2	**R27R17**	**DT71K4**
	3.0	950	566	2	3	**R27R17**	**DT71K4**
	3.3	950	509	3	2	**R27R17**	**DT71K4**
	3.4	950	499	2	3	**R27R17**	**DT71K4**
	3.9	950	440	2	2	**R27R17**	**DT71K4**
	3.9	950	432	3	2	**R27R17**	**DT71K4**
	4.4	950	387	3	2	**R27R17**	**DT71K4**
	4.5	950	381	2	2	**R27R17**	**DT71K4**
	5.0	950	339	3	2	**R27R17**	**DT71K4**
	5.2	950	329	2	2	**R27R17**	**DT71K4**
	5.7	950	296	3	2	**R27R17**	**DT71K4**
	5.9	950	290	2	2	**R27R17**	**DT71K4**
	6.6	950	259	3	2	**R27R17**	**DT71K4**

NOTES: **Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.**
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Overhung loads (OHL) are at shaft midpoint.
See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1150	**6.7**	950	256	2	2	**R27R17**	**DT71K4**
	7.4	950	229	3	2	**R27R17**	**DT71K4**
	7.5	950	227	2	2	**R27R17**	**DT71K4**
	8.4	950	203	2	2	**R27R17**	**DT71K4**
	8.5	950	200	3	2	**R27R17**	**DT71K4**
	9.5	950	179	2	2	**R27R17**	**DT71K4**
	9.6	950	177	3	2	**R27R17**	**DT71K4**
	10.0	950	166	3	2	**R27R17**	**DT71K4**
	11.0	950	156	2	2	**R27R17**	**DT71C4**
	11.0	950	150	3	2	**R27R17**	**DT71C4**
	12.0	950	141	3	2	**R27R17**	**DT71C4**
	13.0	950	135	2	2	**R27R17**	**DT71C4**
	14.0	950	124	3	2	**R27R17**	**DT71C4**
	15.0	950	118	2	2	**R27R17**	**DT71C4**
	15.0	950	110	3	2	**R27R17**	**DT71D4**
	16.0	950	104	2	2	**R27R17**	**DT71D4**
	18.0	950	94	3	2	**R27R17**	**DT71D4**
	19.0	950	90	2	2	**R27R17**	**DT71D4**
1770	**0.20**	1110	8595	3	3	**R37R17**	**DT71K4**
	0.23	1110	7411	3	3	**R37R17**	**DT71K4**
	0.25	1110	6907	3	3	**R37R17**	**DT71K4**
	0.28	1110	6038	3	3	**R37R17**	**DT71K4**
	0.33	1110	5206	3	3	**R37R17**	**DT71K4**
	0.37	1110	4651	3	3	**R37R17**	**DT71K4**
	0.42	1110	4065	3	3	**R37R17**	**DT71K4**
	0.46	1110	3658	3	3	**R37R17**	**DT71K4**
	0.54	1110	3154	3	3	**R37R17**	**DT71K4**
	0.62	1110	2757	3	3	**R37R17**	**DT71K4**
	0.71	1110	2409	3	3	**R37R17**	**DT71K4**
	0.81	1110	2106	3	3	**R37R17**	**DT71K4**
	0.92	1110	1856	3	3	**R37R17**	**DT71K4**
	0.93	1110	1818	2	3	**R37R17**	**DT71K4**
	1.0	1110	1622	3	3	**R37R17**	**DT71K4**
	1.1	1110	1576	2	3	**R37R17**	**DT71K4**
	1.2	1110	1431	3	3	**R37R17**	**DT71K4**
	1.2	1110	1359	2	3	**R37R17**	**DT71K4**
	1.3	1110	1267	2	3	**R37R17**	**DT71K4**
	1.4	1110	1251	3	3	**R37R17**	**DT71K4**
	1.5	1110	1099	3	2	**R37R17**	**DT71K4**
	1.5	1110	1098	2	3	**R37R17**	**DT71K4**
	1.8	1110	970	2	3	**R37R17**	**DT71K4**
	1.8	1110	960	3	2	**R37R17**	**DT71K4**
	2.0	1110	847	3	2	**R37R17**	**DT71K4**

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Overhung loads (OHL) are at shaft midpoint.
See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1770	**2.0**	1110	839	2	3	**R37R17**	**DT71K4**
	2.3	1110	741	3	2	**R37R17**	**DT71K4**
	2.3	1110	740	2	3	**R37R17**	**DT71K4**
	2.6	1110	653	2	3	**R37R17**	**DT71K4**
	2.6	1110	647	3	2	**R37R17**	**DT71K4**
	3.0	1110	577	2	3	**R37R17**	**DT71K4**
	3.0	1110	566	3	2	**R37R17**	**DT71K4**
	3.3	1110	508	3	2	**R37R17**	**DT71K4**
	3.4	1110	498	2	3	**R37R17**	**DT71K4**
	3.9	1110	439	2	2	**R37R17**	**DT71K4**
	4.0	1110	431	3	2	**R37R17**	**DT71K4**
	4.4	1110	387	3	2	**R37R17**	**DT71K4**
	4.5	1110	378	2	2	**R37R17**	**DT71K4**
	5.0	1110	338	3	2	**R37R17**	**DT71K4**
	5.2	1110	328	2	2	**R37R17**	**DT71K4**
	5.8	1110	296	3	2	**R37R17**	**DT71K4**
	5.9	1110	289	2	2	**R37R17**	**DT71K4**
	6.4	1110	265	2	2	**R37R17**	**DT71K4**
	6.6	1110	259	3	2	**R37R17**	**DT71K4**
	7.6	1110	228	3	2	**R37R17**	**DT71C4**
	7.6	1110	226	2	2	**R37R17**	**DT71C4**
	8.5	1110	202	2	2	**R37R17**	**DT71C4**
	8.6	1110	199	3	2	**R37R17**	**DT71C4**
	9.6	1110	179	2	2	**R37R17**	**DT71C4**
	10.0	1110	172	3	2	**R37R17**	**DT71C4**
	11.0	1110	156	2	2	**R37R17**	**DT71D4**
	11.0	1110	150	3	2	**R37R17**	**DT71D4**
	13.0	1110	135	2	2	**R37R17**	**DT71D4**
	13.0	1110	130	3	2	**R37R17**	**DT71D4**
	13.0	1110	127	2	2	**R37R17**	**DT71D4**
	14.0	1110	124	3	2	**R37R17**	**DT71D4**
	15.0	1110	110	3	2	**R37R17**	**DT80K4**
	16.0	1110	104	2	2	**R37R17**	**DT80K4**
	18.0	1110	94	3	2	**R37R17**	**DT80K4**
	19.0	1110	90	2	2	**R37R17**	**DT80K4**
2650	**0.13**	1220	13598	3	3	**R47R37**	**DT71K4**
	0.14	1220	12472	3	3	**R47R37**	**DT71K4**
	0.16	1220	10619	3	3	**R47R37**	**DT71K4**
	0.19	1220	9155	3	3	**R47R37**	**DT71K4**
	0.20	1220	8534	3	3	**R47R37**	**DT71K4**
	0.23	1220	7460	3	3	**R47R37**	**DT71K4**
	0.24	1220	6993	3	3	**R47R37**	**DT71K4**
	0.28	1220	6171	3	3	**R47R37**	**DT71K4**

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Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
2650	**0.30**	1220	5624	3	3	**R47R37**	**DT71K4**
	0.35	1220	4849	3	3	**R47R37**	**DT71K4**
	0.38	1220	4520	3	3	**R47R37**	**DT71K4**
	0.43	1220	3951	3	3	**R47R37**	**DT71K4**
	0.46	1220	3704	3	3	**R47R37**	**DT71K4**
	0.52	1220	3268	3	3	**R47R37**	**DT71K4**
	0.59	1220	2898	3	3	**R47R37**	**DT71K4**
	0.60	1220	2856	3	2	**R47R37**	**DT71K4**
	0.65	1220	2625	3	2	**R47R37**	**DT71K4**
	0.65	1220	2598	2	3	**R47R37**	**DT71K4**
	0.69	1220	2463	3	3	**R47R37**	**DT71K4**
	0.71	1220	2383	2	3	**R47R37**	**DT71K4**
	0.76	1220	2246	3	2	**R47R37**	**DT71K4**
	0.84	1220	2029	2	3	**R47R37**	**DT71K4**
	0.87	1220	1948	3	2	**R47R37**	**DT71K4**
	0.93	1220	1821	3	2	**R47R37**	**DT71K4**
	0.97	1220	1749	2	3	**R47R37**	**DT71K4**
	1.0	1220	1630	2	3	**R47R37**	**DT71K4**
	1.1	1220	1573	3	2	**R47R37**	**DT71K4**
	1.2	1220	1425	2	3	**R47R37**	**DT71K4**
	1.3	1220	1336	2	3	**R47R37**	**DT71K4**
	1.4	1220	1193	3	2	**R47R37**	**DT71K4**
	1.4	1220	1179	2	3	**R47R37**	**DT71K4**
	1.6	1220	1074	2	3	**R47R37**	**DT71K4**
	1.7	1220	1020	3	2	**R47R37**	**DT71K4**
	1.8	1220	955	3	2	**R47R37**	**DT71K4**
	1.8	1220	927	2	3	**R47R37**	**DT71K4**
	2.0	1220	863	2	3	**R47R37**	**DT71K4**
	2.1	1220	804	3	2	**R47R37**	**DT71K4**
	2.2	1220	755	2	3	**R47R37**	**DT71K4**
	2.4	1220	708	2	3	**R47R37**	**DT71K4**
	2.5	1220	673	3	2	**R47R37**	**DT71K4**
	2.7	1220	624	2	3	**R47R37**	**DT71K4**
	3.0	1220	572	3	2	**R47R37**	**DT71K4**
	3.1	1220	554	2	3	**R47R37**	**DT71K4**
	3.1	1220	546	2	2	**R47R37**	**DT71K4**
	3.3	1220	510	3	2	**R47R37**	**DT71K4**
	3.4	1220	502	2	2	**R47R37**	**DT71K4**
	3.7	1220	471	2	3	**R47R37**	**DT71C4**
	4.0	1220	436	3	2	**R47R37**	**DT71C4**
	4.0	1220	429	2	2	**R47R37**	**DT71C4**
	4.2	1220	408	3	2	**R47R37**	**DT71C4**
	4.6	1220	372	2	2	**R47R37**	**DT71C4**

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Selections
Gearmotors - Extreme Slow Speed - Torque Rated - Service Factor = 1.0

Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
2650	**4.9**	1220	348	2	2	**R47R37**	**DT71C4**
	5.0	1220	344	3	2	**R47R37**	**DT71C4**
	5.7	1220	301	2	2	**R47R37**	**DT71D4**
	6.7	1220	255	2	2	**R47R37**	**DT71D4**
	7.5	1220	228	2	2	**R47R37**	**DT71D4**
	8.7	1220	195	2	2	**R47R37**	**DT71D4**
	9.3	1220	182	2	2	**R47R37**	**DT80K4**
	11.0	1220	154	2	2	**R47R37**	**DT80K4**
	13.0	1220	129	2	2	**R47R37**	**DT80K4**
	16.0	1220	109	2	2	**R47R37**	**DT80N4**
	17.0	1220	98	2	2	**R47R37**	**DT80N4**
3980	**0.12**	1600	14369	3	3	**R57R37**	**DT71K4**
	0.14	1600	12095	3	3	**R57R37**	**DT71K4**
	0.16	1600	10860	3	3	**R57R37**	**DT71K4**
	0.18	1600	9445	3	3	**R57R37**	**DT71K4**
	0.20	1600	8480	3	3	**R57R37**	**DT71K4**
	0.23	1600	7312	3	3	**R57R37**	**DT71K4**
	0.26	1600	6521	3	3	**R57R37**	**DT71K4**
	0.30	1600	5585	3	3	**R57R37**	**DT71K4**
	0.34	1600	4928	3	3	**R57R37**	**DT71K4**
	0.39	1600	4378	3	3	**R57R37**	**DT71K4**
	0.44	1600	3873	3	3	**R57R37**	**DT71K4**
	0.51	1600	3344	3	3	**R57R37**	**DT71K4**
	0.58	1600	2957	2	3	**R57R37**	**DT71K4**
	0.58	1600	2907	3	3	**R57R37**	**DT71K4**
	0.66	1600	2567	3	3	**R57R37**	**DT71K4**
	0.68	1600	2508	2	3	**R57R37**	**DT71K4**
	0.74	1600	2309	2	3	**R57R37**	**DT71K4**
	0.76	1600	2244	3	3	**R57R37**	**DT71K4**
	0.85	1600	1991	2	3	**R57R37**	**DT71K4**
	0.86	1600	1967	3	3	**R57R37**	**DT71K4**
	0.96	1600	1768	2	3	**R57R37**	**DT71K4**
	0.98	1600	1732	3	2	**R57R37**	**DT71K4**
	1.1	1600	1555	3	2	**R57R37**	**DT71K4**
	1.1	1600	1520	2	3	**R57R37**	**DT71K4**
	1.2	1600	1399	3	2	**R57R37**	**DT71K4**
	1.3	1600	1342	2	3	**R57R37**	**DT71K4**
	1.4	1600	1189	3	2	**R57R37**	**DT71K4**
	1.5	1600	1164	2	3	**R57R37**	**DT71K4**
	1.6	1600	1034	3	2	**R57R37**	**DT71K4**
	1.6	1600	1027	2	3	**R57R37**	**DT71K4**
	1.9	1600	894	2	3	**R57R37**	**DT71K4**

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Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
3980	**2.1**	1600	805	2	3	**R57R37**	**DT71K4**
	2.2	1600	782	3	2	**R57R37**	**DT71K4**
	2.5	1600	683	2	3	**R57R37**	**DT71C4**
	2.5	1600	678	3	2	**R57R37**	**DT71C4**
	2.8	1600	604	3	2	**R57R37**	**DT71C4**
	2.8	1600	603	2	3	**R57R37**	**DT71C4**
	3.2	1600	537	3	2	**R57R37**	**DT71C4**
	3.2	1600	534	2	3	**R57R37**	**DT71C4**
	3.6	1600	471	3	2	**R57R37**	**DT71D4**
	3.7	1600	454	2	3	**R57R37**	**DT71D4**
	4.2	1600	410	2	3	**R57R37**	**DT71D4**
	4.7	1600	359	2	2	**R57R37**	**DT71D4**
	4.8	1600	357	3	2	**R57R37**	**DT71D4**
	5.2	1600	324	2	2	**R57R37**	**DT71D4**
	5.3	1600	319	3	2	**R57R37**	**DT71D4**
	5.9	1600	290	2	2	**R57R37**	**DT71D4**
	6.2	1600	273	3	2	**R57R37**	**DT80K4**
	6.5	1600	262	2	2	**R57R37**	**DT80K4**
	6.9	1600	246	2	2	**R57R37**	**DT80K4**
	7.1	1600	241	3	2	**R57R37**	**DT80K4**
	7.7	1600	220	2	2	**R57R37**	**DT80K4**
	7.9	1600	215	3	2	**R57R37**	**DT80K4**
	9.0	1600	188	2	2	**R57R37**	**DT80K4**
	9.1	1600	187	3	2	**R57R37**	**DT80K4**
	10.0	1600	164	3	2	**R57R37**	**DT80N4**
	11.0	1600	159	2	2	**R57R37**	**DT80N4**
	12.0	1600	146	2	2	**R57R37**	**DT80N4**
	12.0	1600	142	3	2	**R57R37**	**DT80N4**
	13.0	1600	134	2	2	**R57R37**	**DT80N4**
5310	**0.11**	1700	15361	3	3	**R67R37**	**DT71K4**
	0.13	1700	12931	3	3	**R67R37**	**DT71K4**
	0.14	1700	11996	3	3	**R67R37**	**DT71K4**
	0.17	1700	10097	3	3	**R67R37**	**DT71K4**
	0.19	1700	9066	3	3	**R67R37**	**DT71K4**
	0.22	1700	7816	3	3	**R67R37**	**DT71K4**
	0.25	1700	6732	3	3	**R67R37**	**DT71K4**
	0.28	1700	5970	3	3	**R67R37**	**DT71K4**
	0.32	1700	5268	3	3	**R67R37**	**DT71K4**
	0.36	1700	4680	3	3	**R67R37**	**DT71K4**
	0.41	1700	4136	3	3	**R67R37**	**DT71K4**
	0.48	1700	3566	3	3	**R67R37**	**DT71K4**
	0.54	1700	3125	3	3	**R67R37**	**DT71K4**
	0.62	1700	2745	3	3	**R67R37**	**DT71K4**

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Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
5310	**0.63**	1700	2682	2	3	**R67R37**	**DT71K4**
	0.69	1700	2460	2	3	**R67R37**	**DT71K4**
	0.71	1700	2403	3	3	**R67R37**	**DT71K4**
	0.80	1700	2136	3	2	**R67R37**	**DT71K4**
	0.81	1700	2094	2	3	**R67R37**	**DT71K4**
	0.92	1700	1852	3	2	**R67R37**	**DT71K4**
	0.94	1700	1805	2	3	**R67R37**	**DT71K4**
	1.0	1700	1652	3	2	**R67R37**	**DT71K4**
	1.0	1700	1629	2	3	**R67R37**	**DT71K4**
	1.2	1700	1471	2	3	**R67R37**	**DT71K4**
	1.2	1700	1432	3	2	**R67R37**	**DT71K4**
	1.2	1700	1379	2	3	**R67R37**	**DT71K4**
	1.4	1700	1259	3	2	**R67R37**	**DT71K4**
	1.5	1700	1109	2	3	**R67R37**	**DT71K4**
	1.5	1700	1106	3	2	**R67R37**	**DT71K4**
	1.8	1700	956	2	3	**R67R37**	**DT71C4**
	1.9	1700	891	2	3	**R67R37**	**DT71C4**
	2.1	1700	836	3	2	**R67R37**	**DT71C4**
	2.3	1700	750	3	2	**R67R37**	**DT71C4**
	2.4	1700	730	2	3	**R67R37**	**DT71C4**
	2.7	1700	646	3	2	**R67R37**	**DT71C4**
	2.7	1700	644	2	3	**R67R37**	**DT71C4**
	3.0	1700	574	3	2	**R67R37**	**DT71D4**
	3.0	1700	571	2	3	**R67R37**	**DT71D4**
	3.4	1700	495	3	2	**R67R37**	**DT71D4**
	3.5	1700	486	2	3	**R67R37**	**DT71D4**
	3.8	1700	443	2	2	**R67R37**	**DT71D4**
	3.9	1700	438	3	2	**R67R37**	**DT71D4**
	4.4	1700	388	3	2	**R67R37**	**DT71D4**
	4.4	1700	384	2	2	**R67R37**	**DT71D4**
	4.7	1700	359	2	2	**R67R37**	**DT80K4**
	4.9	1700	344	3	2	**R67R37**	**DT80K4**
	5.5	1700	310	2	2	**R67R37**	**DT80K4**
	5.8	1700	294	3	2	**R67R37**	**DT80K4**
	6.4	1700	264	2	2	**R67R37**	**DT80K4**
	6.5	1700	261	3	2	**R67R37**	**DT80K4**
	7.2	1700	235	2	2	**R67R37**	**DT80K4**
	7.3	1700	234	3	2	**R67R37**	**DT80N4**
	8.5	1700	201	2	2	**R67R37**	**DT80N4**
	8.5	1700	200	3	2	**R67R37**	**DT80N4**
	9.4	1700	181	2	2	**R67R37**	**DT80N4**
	9.7	1700	176	3	2	**R67R37**	**DT80N4**
	11.0	1700	159	2	2	**R67R37**	**DT90S4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
5310	**11.0**	1700	158	3	2	**R67R37**	**DT90S4**
7260	**0.10**	2230	16370	3	3	**R77R37**	**DT71K4**
	0.11	2230	15015	3	3	**R77R37**	**DT71K4**
	0.12	2230	13885	3	3	**R77R37**	**DT71K4**
	0.13	2230	12783	3	3	**R77R37**	**DT71K4**
	0.15	2230	11021	3	3	**R77R37**	**DT71K4**
	0.17	2230	9788	3	3	**R77R37**	**DT71K4**
	0.20	2230	8714	3	3	**R77R37**	**DT71K4**
	0.22	2230	7617	3	3	**R77R37**	**DT71K4**
	0.25	2230	6770	3	3	**R77R37**	**DT71K4**
	0.29	2230	5838	3	3	**R77R37**	**DT71K4**
	0.33	2230	5184	3	3	**R77R37**	**DT71K4**
	0.38	2230	4470	3	3	**R77R37**	**DT71K4**
	0.43	2230	3999	3	3	**R77R37**	**DT71K4**
	0.49	2230	3488	3	3	**R77R37**	**DT71K4**
	0.54	2230	3151	2	3	**R77R37**	**DT71K4**
	0.56	2230	3053	3	3	**R77R37**	**DT71K4**
	0.59	2230	2890	2	3	**R77R37**	**DT71K4**
	0.64	2230	2671	3	3	**R77R37**	**DT71K4**
	0.69	2230	2460	2	3	**R77R37**	**DT71K4**
	0.73	2230	2345	3	2	**R77R37**	**DT71K4**
	0.80	2230	2121	2	3	**R77R37**	**DT71K4**
	0.82	2230	2070	3	2	**R77R37**	**DT71K4**
	0.86	2230	1977	2	3	**R77R37**	**DT71K4**
	0.93	2230	1822	3	2	**R77R37**	**DT71K4**
	0.98	2230	1728	2	3	**R77R37**	**DT71K4**
	1.0	2230	1620	2	3	**R77R37**	**DT71K4**
	1.1	2230	1580	3	2	**R77R37**	**DT71K4**
	1.2	2230	1430	2	3	**R77R37**	**DT71K4**
	1.2	2230	1394	3	2	**R77R37**	**DT71C4**
	1.3	2230	1303	2	3	**R77R37**	**DT71C4**
	1.4	2230	1218	3	2	**R77R37**	**DT71C4**
	1.5	2230	1124	2	3	**R77R37**	**DT71C4**
	1.6	2230	1084	3	2	**R77R37**	**DT71C4**
	1.6	2230	1047	2	3	**R77R37**	**DT71C4**
	1.8	2230	940	3	2	**R77R37**	**DT71C4**
	1.9	2230	915	2	3	**R77R37**	**DT71C4**
	2.0	2230	858	2	3	**R77R37**	**DT71D4**
	2.1	2230	821	3	2	**R77R37**	**DT71D4**
	2.2	2230	757	2	3	**R77R37**	**DT71D4**
	2.3	2230	731	3	2	**R77R37**	**DT71D4**
	2.5	2230	671	2	3	**R77R37**	**DT71D4**

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Selections
Gearmotors - Extreme Slow Speed - Torque Rated - Service Factor = 1.0

Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
7260	**2.6**	2230	646	3	2	**R77R37**	**DT71D4**
	3.0	2230	571	2	3	**R77R37**	**DT71D4**
	3.0	2230	560	3	2	**R77R37**	**DT71D4**
	3.3	2230	520	2	2	**R77R37**	**DT71D4**
	3.5	2230	488	3	2	**R77R37**	**DT80K4**
	3.8	2230	451	2	2	**R77R37**	**DT80K4**
	3.9	2230	436	3	2	**R77R37**	**DT80K4**
	4.0	2230	422	2	2	**R77R37**	**DT80K4**
	4.6	2230	373	3	2	**R77R37**	**DT80K4**
	4.7	2230	365	2	2	**R77R37**	**DT80K4**
	5.2	2230	327	3	2	**R77R37**	**DT80K4**
	5.5	2230	310	2	2	**R77R37**	**DT80N4**
	5.9	2230	289	3	2	**R77R37**	**DT80N4**
	6.2	2230	276	2	2	**R77R37**	**DT80N4**
	6.6	2230	260	3	2	**R77R37**	**DT80N4**
	7.2	2230	236	2	2	**R77R37**	**DT80N4**
	7.7	2230	224	3	2	**R77R37**	**DT90S4**
	7.8	2230	221	2	2	**R77R37**	**DT90S4**
	8.8	2230	197	3	2	**R77R37**	**DT90S4**
	9.2	2230	186	2	2	**R77R37**	**DT90S4**
	10.0	2230	169	3	2	**R77R37**	**DT90S4**
	12.0	2230	149	3	2	**R77R37**	**DT90L4**
13700	**0.10**	3800	17452	3	3	**R87R57**	**DT71K4**
	0.11	3800	15310	3	3	**R87R57**	**DT71K4**
	0.12	3800	13813	3	3	**R87R57**	**DT71K4**
	0.14	3800	12025	3	3	**R87R57**	**DT71K4**
	0.16	3800	10549	3	3	**R87R57**	**DT71K4**
	0.18	3800	9244	3	3	**R87R57**	**DT71K4**
	0.21	3800	8109	3	3	**R87R57**	**DT71K4**
	0.24	3800	7038	3	3	**R87R57**	**DT71K4**
	0.28	3800	6174	3	3	**R87R57**	**DT71K4**
	0.31	3800	5449	3	3	**R87R57**	**DT71K4**
	0.35	3800	4831	3	3	**R87R57**	**DT71K4**
	0.40	3800	4206	3	3	**R87R57**	**DT71K4**
	0.42	3800	4020	2	3	**R87R57**	**DT71K4**
	0.45	3800	3744	3	3	**R87R57**	**DT71K4**
	0.46	3800	3703	2	3	**R87R57**	**DT71K4**
	0.53	3800	3233	3	3	**R87R57**	**DT71K4**
	0.53	3800	3182	2	3	**R87R57**	**DT71K4**
	0.59	3800	2873	3	3	**R87R57**	**DT71K4**
	0.61	3800	2770	2	3	**R87R57**	**DT71K4**
	0.66	3800	2595	2	3	**R87R57**	**DT71K4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
13700	**0.68**	3800	2518	3	3	**R87R57**	**DT80K4**
	0.77	3800	2209	3	3	**R87R57**	**DT80K4**
	0.80	3800	2129	2	3	**R87R57**	**DT71K4**
	0.87	3800	1961	3	3	**R87R57**	**DT71K4**
	0.88	3800	1930	2	3	**R87R57**	**DT71K4**
	0.99	3800	1737	3	2	**R87R57**	**DT71C4**
	0.99	3800	1733	2	3	**R87R57**	**DT71C4**
	1.1	3800	1524	3	2	**R87R57**	**DT71C4**
	1.2	3800	1489	2	3	**R87R57**	**DT71C4**
	1.2	3800	1395	2	3	**R87R57**	**DT71C4**
	1.3	3800	1303	3	2	**R87R57**	**DT71D4**
	1.4	3800	1232	2	3	**R87R57**	**DT71D4**
	1.5	3800	1145	2	3	**R87R57**	**DT71D4**
	1.5	3800	1143	3	2	**R87R57**	**DT71D4**
	1.6	3800	1037	2	3	**R87R57**	**DT71D4**
	1.7	3800	1008	3	2	**R87R57**	**DT80K4**
	1.7	3800	994	3	3	**R87R57**	**DT80K4**
	1.8	3800	931	2	3	**R87R57**	**DT71D4**
	1.9	3800	885	3	2	**R87R57**	**DT71D4**
	1.9	3800	881	3	3	**R87R57**	**DT80K4**
	2.1	3800	802	2	3	**R87R57**	**DT80K4**
	2.2	3800	776	3	2	**R87R57**	**DT80K4**
	2.2	3800	754	2	3	**R87R57**	**DT80K4**
	2.5	3800	685	3	2	**R87R57**	**DT80K4**
	2.6	3800	649	2	3	**R87R57**	**DT80K4**
	2.8	3800	599	3	2	**R87R57**	**DT80K4**
	2.9	3800	580	2	3	**R87R57**	**DT80K4**
	3.2	3800	538	2	2	**R87R57**	**DT80N4**
	3.2	3800	525	3	2	**R87R57**	**DT80N4**
	3.6	3800	472	2	2	**R87R57**	**DT80N4**
	3.7	3800	456	3	2	**R87R57**	**DT80N4**
	4.3	3800	400	2	2	**R87R57**	**DT90S4**
	4.3	3800	398	3	2	**R87R57**	**DT90S4**
	4.8	3800	361	2	2	**R87R57**	**DT90S4**
	4.9	3800	352	3	2	**R87R57**	**DT90S4**
	5.6	3800	305	3	2	**R87R57**	**DT90S4**
	5.7	3800	300	2	2	**R87R57**	**DT90S4**
	6.4	3800	268	3	2	**R87R57**	**DT90L4**
	6.7	3800	256	2	2	**R87R57**	**DT90L4**
	7.3	3800	236	3	2	**R87R57**	**DT90L4**
	7.4	3800	232	2	2	**R87R57**	**DT90L4**
	8.2	3800	209	3	2	**R87R57**	**DT90L4**
	8.8	3800	195	2	2	**R87R57**	**DT100LS4**

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Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
26500	**0.08**	4450	21769	3	3	**R97R57**	**DT71K4**
	0.09	4450	19332	3	3	**R97R57**	**DT71K4**
	0.10	4450	17230	3	3	**R97R57**	**DT71K4**
	0.11	4450	14999	3	3	**R97R57**	**DT71K4**
	0.13	4450	13320	3	3	**R97R57**	**DT71K4**
	0.15	4450	11156	3	3	**R97R57**	**DT71K4**
	0.17	4450	10030	3	3	**R97R57**	**DT71K4**
	0.20	4450	8706	3	3	**R97R57**	**DT71K4**
	0.22	4450	7692	3	3	**R97R57**	**DT71K4**
	0.25	4450	6708	3	3	**R97R57**	**DT71K4**
	0.29	4450	5931	3	3	**R97R57**	**DT71K4**
	0.33	4450	5161	3	3	**R97R57**	**DT71K4**
	0.36	4450	4678	2	3	**R97R57**	**DT71K4**
	0.37	4450	4559	3	3	**R97R57**	**DT71K4**
	0.39	4450	4309	2	3	**R97R57**	**DT71K4**
	0.42	4450	4004	3	3	**R97R57**	**DT71K4**
	0.46	4450	3702	2	3	**R97R57**	**DT71K4**
	0.49	4450	3481	3	3	**R97R57**	**DT71C4**
	0.56	4450	3065	3	2	**R97R57**	**DT71C4**
	0.57	4450	3019	2	3	**R97R57**	**DT71C4**
	0.63	4450	2722	3	2	**R97R57**	**DT71C4**
	0.64	4450	2668	2	3	**R97R57**	**DT71C4**
	0.74	4450	2311	3	2	**R97R57**	**DT71D4**
	0.76	4450	2245	2	3	**R97R57**	**DT71D4**
	0.82	4450	2078	3	2	**R97R57**	**DT71D4**
	0.84	4450	2016	2	3	**R97R57**	**DT71D4**
	0.93	4450	1823	3	2	**R97R57**	**DT71D4**
	0.98	4450	1733	2	3	**R97R57**	**DT71D4**
	1.0	4450	1623	2	3	**R97R57**	**DT80K4**
	1.1	4450	1583	3	2	**R97R57**	**DT80K4**
	1.2	4450	1434	2	3	**R97R57**	**DT80K4**
	1.2	4450	1396	3	2	**R97R57**	**DT80K4**
	1.4	4450	1228	3	2	**R97R57**	**DT80K4**
	1.4	4450	1207	2	3	**R97R57**	**DT80K4**
	1.6	4450	1084	2	3	**R97R57**	**DT80N4**
	1.6	4450	1069	3	2	**R97R57**	**DT80N4**
	1.8	4450	938	3	2	**R97R57**	**DT80N4**
	1.8	4450	934	2	3	**R97R57**	**DT80N4**
	1.9	4450	878	2	3	**R97R57**	**DT80N4**
	2.1	4450	824	3	2	**R97R57**	**DT80N4**
	2.3	4450	755	2	3	**R97R57**	**DT90S4**
	2.3	4450	737	3	2	**R97R57**	**DT90S4**
	2.7	4450	632	3	2	**R97R57**	**DT90S4**

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Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
26500	**2.8**	4450	625	2	2	**R97R57**	**DT90S4**
	3.1	4450	560	3	2	**R97R57**	**DT90S4**
	3.1	4450	549	2	2	**R97R57**	**DT90S4**
	3.5	4450	484	3	2	**R97R57**	**DT90L4**
	3.7	4450	466	2	2	**R97R57**	**DT90L4**
	4.0	4450	431	3	2	**R97R57**	**DT90L4**
	4.1	4450	420	2	2	**R97R57**	**DT90L4**
	4.5	4450	379	3	2	**R97R57**	**DT100LS4**
	4.7	4450	370	2	2	**R97R57**	**DT100LS4**
	4.9	4450	349	2	2	**R97R57**	**DT100LS4**
	5.1	4450	336	3	2	**R97R57**	**DT100LS4**
	5.8	4450	297	2	2	**R97R57**	**DT100LS4**
	5.8	4450	296	3	2	**R97R57**	**DT100LS4**
	6.4	4450	270	2	2	**R97R57**	**DT100LS4**
	6.7	4450	249	3	2	**R97R57**	**DT100L4**
	7.2	4450	234	3	2	**R97R57**	**DT100L4**
	7.4	4450	227	2	2	**R97R57**	**DT100L4**
	8.0	4450	209	3	2	**R97R57**	**DT100L4**
38000	**0.08**	6620	20018	3	3	**R107R77**	**DT71K4**
	0.10	6620	17080	3	3	**R107R77**	**DT71K4**
	0.11	6620	14936	3	3	**R107R77**	**DT71K4**
	0.13	6620	12829	3	3	**R107R77**	**DT71K4**
	0.15	6620	11256	3	3	**R107R77**	**DT71K4**
	0.18	6620	9547	3	3	**R107R77**	**DT71K4**
	0.20	6620	8618	3	3	**R107R77**	**DT71K4**
	0.22	6620	7583	3	3	**R107R77**	**DT71K4**
	0.25	6620	6743	3	3	**R107R77**	**DT71K4**
	0.29	6620	5914	3	3	**R107R77**	**DT71K4**
	0.33	6620	5168	3	3	**R107R77**	**DT71C4**
	0.39	6620	4435	3	3	**R107R77**	**DT71C4**
	0.44	6620	3918	2	3	**R107R77**	**DT71C4**
	0.44	6620	3896	3	3	**R107R77**	**DT71D4**
	0.50	6620	3432	3	3	**R107R77**	**DT80K4**
	0.51	6620	3343	2	3	**R107R77**	**DT71D4**
	0.56	6620	3039	3	3	**R107R77**	**DT71D4**
	0.56	6620	3034	2	3	**R107R77**	**DT71D4**
	0.63	6620	2688	3	3	**R107R77**	**DT80K4**
	0.64	6620	2653	2	3	**R107R77**	**DT71D4**
	0.74	6620	2339	3	3	**R107R77**	**DT90S4**
	0.75	6620	2280	2	3	**R107R77**	**DT80K4**
	0.82	6620	2067	2	3	**R107R77**	**DT80K4**
	0.86	6620	1987	3	2	**R107R77**	**DT80K4**
	0.93	6620	1827	3	2	**R107R77**	**DT80K4**

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See page 121 for index to R gearmotor dimension pages. Dimensions are on pages 122 - 150.
[1] Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
38000	**1.0**	6620	1693	2	3	**R107R77**	**DT80K4**
	1.1	6620	1599	3	2	**R107R77**	**DT80N4**
	1.1	6620	1550	2	3	**R107R77**	**DT80N4**
	1.2	6620	1407	2	3	**R107R77**	**DT80N4**
	1.2	6620	1400	3	2	**R107R77**	**DT80N4**
	1.4	6620	1226	3	2	**R107R77**	**DT80N4**
	1.4	6620	1209	2	3	**R107R77**	**DT80N4**
	1.6	6620	1104	3	2	**R107R77**	**DT90S4**
	1.6	6620	1055	2	3	**R107R77**	**DT90S4**
	1.8	6620	939	3	2	**R107R77**	**DT90S4**
	1.9	6620	919	2	3	**R107R77**	**DT90S4**
	2.1	6620	822	3	2	**R107R77**	**DT90S4**
	2.1	6620	815	2	3	**R107R77**	**DT90S4**
	2.4	6620	717	2	3	**R107R77**	**DT90L4**
	2.8	6620	626	2	3	**R107R77**	**DT90L4**
	2.8	6620	614	3	2	**R107R77**	**DT90L4**
	3.2	6620	544	3	2	**R107R77**	**DT100LS4**
	3.3	6620	528	2	3	**R107R77**	**DT100LS4**
	3.5	6620	492	3	2	**R107R77**	**DT100LS4**
	3.7	6620	469	2	2	**R107R77**	**DT100LS4**
	4.0	6620	426	2	2	**R107R77**	**DT100LS4**
	4.1	6620	417	3	2	**R107R77**	**DT100LS4**
	4.4	6620	377	2	2	**R107R77**	**DT100L4**
	4.6	6620	369	3	2	**R107R77**	**DT100L4**
	5.2	6620	325	2	2	**R107R77**	**DT100L4**
	5.2	6620	323	3	2	**R107R77**	**DT100L4**
	5.9	6620	285	3	2	**R107R77**	**DT100L4**
	5.9	6620	284	2	2	**R107R77**	**DT100L4**
	6.6	6620	256	2	2	**R107R77**	**DT100L4**
	6.6	6620	253	3	2	**R107R77**	**DT100L4**
	7.6	6620	220	2	2	**R107R77**	**DT100L4**
	8.1	6620	214	3	2	**R107R77**	**DV112M4**
	8.9	6620	193	2	2	**R107R77**	**DV132S4**
	9.2	6620	187	3	2	**R107R77**	**DV132S4**
	10.0	6620	172	2	2	**R107R77**	**DV132S4**
70800	**0.08**	12000	22203	3	3	**R137R77**	**DT71K4**
	0.09	12000	18945	3	3	**R137R77**	**DT71K4**
	0.10	12000	16566	3	3	**R137R77**	**DT71K4**
	0.12	12000	14777	3	3	**R137R77**	**DT71K4**
	0.13	12000	12921	3	3	**R137R77**	**DT71K4**
	0.15	12000	11712	3	3	**R137R77**	**DT71K4**
	0.16	12000	10573	3	3	**R137R77**	**DT71K4**
	0.20	12000	8784	3	3	**R137R77**	**DT71C4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
70800	**0.23**	12000	7479	3	3	**R137R77**	**DT71C4**
	0.26	12000	6559	3	3	**R137R77**	**DT71D4**
	0.29	12000	5834	3	3	**R137R77**	**DT71D4**
	0.33	12000	5116	3	3	**R137R77**	**DT71D4**
	0.36	12000	4709	2	3	**R137R77**	**DT71D4**
	0.38	12000	4464	3	3	**R137R77**	**DT80K4**
	0.42	12000	4018	2	3	**R137R77**	**DT80K4**
	0.43	12000	3928	3	3	**R137R77**	**DT80K4**
	0.48	12000	3514	2	3	**R137R77**	**DT80K4**
	0.49	12000	3454	3	3	**R137R77**	**DT80K4**
	0.51	12000	3338	2	3	**R137R77**	**DT80K4**
	0.57	12000	2993	3	3	**R137R77**	**DT80N4**
	0.58	12000	2929	2	3	**R137R77**	**DT80K4**
	0.64	12000	2658	3	2	**R137R77**	**DT80N4**
	0.68	12000	2484	2	3	**R137R77**	**DT80N4**
	0.70	12000	2412	3	2	**R137R77**	**DT80N4**
	0.76	12000	2242	2	3	**R137R77**	**DT80N4**
	0.83	12000	2073	3	2	**R137R77**	**DT90S4**
	0.92	12000	1863	2	3	**R137R77**	**DT90S4**
	0.94	12000	1839	3	2	**R137R77**	**DT90S4**
	1.1	12000	1598	3	2	**R137R77**	**DT90S4**
	1.1	12000	1586	2	3	**R137R77**	**DT90S4**
	1.2	12000	1397	3	2	**R137R77**	**DT90L4**
	1.2	12000	1391	2	3	**R137R77**	**DT90L4**
	1.4	12000	1256	2	3	**R137R77**	**DT90L4**
	1.4	12000	1226	3	2	**R137R77**	**DT90L4**
	1.6	12000	1105	2	3	**R137R77**	**DT90L4**
	1.6	12000	1090	3	2	**R137R77**	**DT90L4**
	1.6	12000	1043	2	3	**R137R77**	**DT100LS4**
	1.8	12000	951	3	2	**R137R77**	**DT100LS4**
	1.9	12000	888	2	3	**R137R77**	**DT100LS4**
	2.1	12000	831	3	2	**R137R77**	**DT100LS4**
	2.4	12000	730	3	2	**R137R77**	**DT100LS4**
	2.4	12000	699	2	3	**R137R77**	**DT100L4**
	2.7	12000	629	3	2	**R137R77**	**DT100L4**
	2.8	12000	609	2	3	**R137R77**	**DT100L4**
	3.0	12000	564	2	2	**R137R77**	**DT100L4**
	3.0	12000	560	3	2	**R137R77**	**DT100L4**
	3.2	12000	517	2	2	**R137R77**	**DT100L4**
	3.4	12000	490	3	2	**R137R77**	**DT100L4**
	3.7	12000	453	2	2	**R137R77**	**DT100L4**
	3.9	12000	428	3	2	**R137R77**	**DT100L4**
	4.5	12000	381	3	2	**R137R77**	**DV132S4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Selections
Gearmotors - Extreme Slow Speed - Torque Rated - Service Factor = 1.0

Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
70800	**4.6**	12000	376	2	2	**R137R77**	**DV132S4**
	5.1	12000	339	2	2	**R137R77**	**DV132S4**
	5.3	12000	323	3	2	**R137R77**	**DV132S4**
	5.8	12000	297	2	2	**R137R77**	**DV132S4**
	5.9	12000	291	3	2	**R137R77**	**DV132S4**
	6.8	12000	255	3	2	**R137R77**	**DV132M4**
	7.8	12000	223	3	2	**R137R77**	**DV132M4**
	8.8	12000	197	3	2	**R137R77**	**DV132ML4**
	9.9	12000	175	3	2	**R137R77**	**DV132ML4**
115000	**0.07**	14100	23401	3	3	**R147R77**	**DT71K4**
	0.08	14100	21342	3	3	**R147R77**	**DT71K4**
	0.09	14100	18210	3	3	**R147R77**	**DT71K4**
	0.11	14100	15923	3	3	**R147R77**	**DT71C4**
	0.12	14100	14075	3	3	**R147R77**	**DT71C4**
	0.14	14100	12344	3	3	**R147R77**	**DT71C4**
	0.15	14100	11143	3	3	**R147R77**	**DT71D4**
	0.17	14100	9743	3	3	**R147R77**	**DT71D4**
	0.20	14100	8443	3	3	**R147R77**	**DT71D4**
	0.23	14100	7307	3	3	**R147R77**	**DT80K4**
	0.26	14100	6447	3	3	**R147R77**	**DT80K4**
	0.31	14100	5568	3	3	**R147R77**	**DT80K4**
	0.35	14100	4926	3	3	**R147R77**	**DT80K4**
	0.39	14100	4325	3	3	**R147R77**	**DT80N4**
	0.45	14100	3754	3	3	**R147R77**	**DT80N4**
	0.52	14100	3302	3	3	**R147R77**	**DT90S4**
	0.59	14100	2898	3	3	**R147R77**	**DT90S4**
	0.67	14100	2555	3	2	**R147R77**	**DT90S4**
	0.78	14100	2211	3	2	**R147R77**	**DT90L4**
	0.88	14100	1951	3	2	**R147R77**	**DT90L4**
	1.0	14100	1705	3	2	**R147R77**	**DT100LS4**
	1.1	14100	1536	3	2	**R147R77**	**DT100LS4**
	1.3	14100	1329	3	2	**R147R77**	**DT100LS4**
	1.4	14100	1166	3	2	**R147R77**	**DT100L4**
	1.6	14100	1029	3	2	**R147R77**	**DT100L4**
	1.9	14100	889	3	2	**R147R77**	**DT100L4**
	2.1	14100	784	3	2	**R147R77**	**DT100L4**
	2.4	14100	695	3	2	**R147R77**	**DT100L4**
	2.8	14100	619	3	2	**R147R77**	**DV132S4**
	3.1	14100	558	3	2	**R147R77**	**DV132S4**
	3.2	14100	533	3	2	**R147R87**	**DV132S4**
	3.5	14100	489	3	2	**R147R77**	**DV132S4**
	3.8	14100	462	3	2	**R147R87**	**DV132M4**
	4.1	14100	426	3	2	**R147R87**	**DV132M4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
115000	**4.2**	14100	415	3	2	**R147R77**	**DV132M4**
	4.7	14100	368	3	2	**R147R87**	**DV132M4**
	5.3	14100	326	3	2	**R147R87**	**DV132ML4**
	6.2	14100	280	3	2	**R147R87**	**DV160M4**
	7.0	14100	247	3	2	**R147R87**	**DV160M4**
	8.2	14100	214	3	2	**R147R87**	**DV160L4**
	9.3	14100	189	3	2	**R147R87**	**DV160L4**
	11.0	14100	159	3	2	**R147R87**	**DV180M4**
159300	**0.06**	27000	27001	3	3	**R167R97**	**DT80K4**
	0.08	27000	22482	3	3	**R167R97**	**DT80K4**
	0.08	27000	20002	3	3	**R167R97**	**DT80K4**
	0.10	27000	17361	3	3	**R167R97**	**DT80K4**
	0.11	27000	15446	3	3	**R167R97**	**DT80K4**
	0.12	27000	14051	3	3	**R167R97**	**DT80K4**
	0.14	27000	11812	3	3	**R167R97**	**DT80K4**
	0.16	27000	10509	3	3	**R167R97**	**DT80K4**
	0.18	27000	9631	3	3	**R167R97**	**DT80K4**
	0.22	27000	7749	3	3	**R167R97**	**DT90S4**
	0.25	27000	6894	3	3	**R167R97**	**DT90S4**
	0.28	27000	6077	3	3	**R167R97**	**DT80N4**
	0.31	27000	5407	3	3	**R167R97**	**DT80N4**
	0.37	27000	4650	3	3	**R167R97**	**DT90S4**
	0.42	27000	4129	3	3	**R167R97**	**DT90S4**
	0.47	27000	3692	3	3	**R167R97**	**DT90S4**
	0.47	27000	3637	2	3	**R167R107**	**DT100LS4**
	0.52	27000	3330	2	3	**R167R107**	**DT100LS4**
	0.56	27000	3099	3	3	**R167R97**	**DT100LS4**
	0.62	27000	2757	2	3	**R167R107**	**DT100LS4**
	0.65	27000	2657	3	2	**R167R97**	**DT90L4**
	0.71	27000	2436	2	3	**R167R107**	**DT100LS4**
	0.74	27000	2333	3	2	**R167R97**	**DT100LS4**
	0.75	27000	2298	2	3	**R167R107**	**DT100LS4**
	0.82	27000	2085	3	2	**R167R97**	**DT100LS4**
	0.83	27000	2066	2	3	**R167R107**	**DT100LS4**
	0.92	27000	1877	3	2	**R167R97**	**DT100LS4**
	0.93	27000	1849	2	3	**R167R107**	**DT100LS4**
	1.0	27000	1674	2	3	**R167R107**	**DT100LS4**
	1.0	27000	1670	3	2	**R167R97**	**DT100LS4**
	1.1	27000	1485	2	3	**R167R107**	**DT100L4**
	1.2	27000	1438	3	2	**R167R97**	**DT100L4**
	1.2	27000	1342	2	3	**R167R107**	**DT100L4**
	1.3	27000	1279	3	2	**R167R97**	**DT100L4**
	1.4	27000	1229	2	3	**R167R107**	**DT100L4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Selections
Gearmotors - Extreme Slow Speed - Torque Rated - Service Factor = 1.0

Torque T_a lb-in	Output Speed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
159300	**1.5**	27000	1123	3	2	**R167R97**	**DT100L4**
	1.5	27000	1111	2	3	**R167R107**	**DT100L4**
	1.7	27000	999	3	2	**R167R97**	**DT100L4**
	1.8	27000	950	2	3	**R167R107**	**DT100L4**
	2.0	27000	861	3	2	**R167R97**	**DV132S4**
	2.0	27000	860	2	3	**R167R107**	**DV132S4**
	2.3	27000	763	2	3	**R167R107**	**DV132S4**
	2.3	27000	760	3	2	**R167R97**	**DV132S4**
	2.5	27000	690	2	3	**R167R107**	**DV132S4**
	2.6	27000	656	3	2	**R167R97**	**DV132S4**
	3.0	27000	585	2	3	**R167R107**	**DV132M4**
	3.0	27000	579	3	2	**R167R97**	**DV132M4**
	3.4	27000	511	2	3	**R167R107**	**DV132M4**
	3.5	27000	503	3	2	**R167R97**	**DV132M4**
	3.9	27000	446	2	2	**R167R107**	**DV132ML4**
	4.0	27000	432	3	2	**R167R97**	**DV132ML4**
	4.4	27000	399	2	2	**R167R107**	**DV132ML4**
	4.6	27000	376	3	2	**R167R97**	**DV160M4**
	4.8	27000	361	2	2	**R167R107**	**DV160M4**
	5.0	27000	349	3	2	**R167R107**	**DV160M4**
	5.2	27000	335	3	2	**R167R97**	**DV160M4**
	5.3	27000	328	2	2	**R167R107**	**DV160M4**
	5.8	27000	303	3	2	**R167R97**	**DV160L4**
	6.0	27000	295	3	2	**R167R107**	**DV160L4**
	6.1	27000	291	2	2	**R167R107**	**DV160L4**
	6.3	27000	279	3	2	**R167R97**	**DV160L4**
	6.5	27000	270	3	2	**R167R107**	**DV160L4**
	6.7	27000	264	2	2	**R167R107**	**DV160L4**
	7.7	27000	229	3	2	**R167R107**	**DV180M4**
	7.8	27000	227	2	2	**R167R107**	**DV180M4**
	8.8	27000	200	3	2	**R167R107**	**DV180M4**
	8.9	27000	198	2	2	**R167R107**	**DV180M4**
	10.0	27000	169	3	2	**R167R107**	**DV180L4**
	10.0	27000	168	2	2	**R167R107**	**DV180L4**

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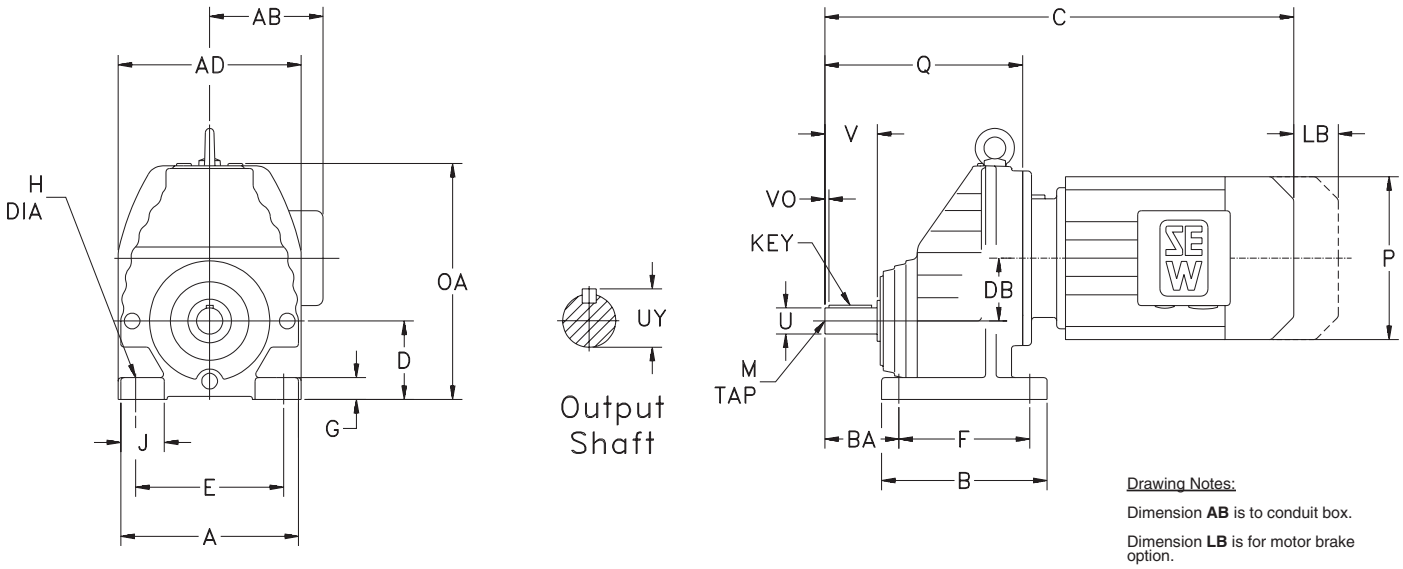
Parallel Helical Gear Units

Dimensions
Type R Gearmotors - Foot Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	A	AD	B	BA	D *	DB	E	F	G	H	J	OA	Q
RX57	6.14 156	6.38 162	5.39 137	2.20 56	2.48 63	2.05 52	4.92 125	4.33 110	0.71 18	0.43 11	1.22 31	7.95 202	6.85 174
RX67	6.69 170	6.93 176	5.91 150	2.95 75	3.15 80	2.36 60	5.31 135	4.72 120	0.79 20	0.53 13.5	1.38 35	8.90 226	7.91 201
RX77	8.03 204	8.27 210	7.48 190	3.35 85	3.54 90	2.83 72	6.69 170	5.91 150	0.98 25	0.69 17.5	1.97 50	10.67 271	8.94 227

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
RX57	0.750 *20*	0.83 *22.5*	1.57 *40*	0.23 *3.5*	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{1}/_{16}$ *6 x 6 x 32*	$^{1}/_{4}$–20 × 0.63 *M6 x 16*
RX67	1.000 *25*	1.11 *28*	1.97 *50*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{5}/_{16}$ *8 x 7 x 40*	$^{3}/_{8}$–16 × 0.87 *M10 x 22*
RX77	1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 50*	$^{1}/_{2}$–13 × 1.12 *M10 x 22*

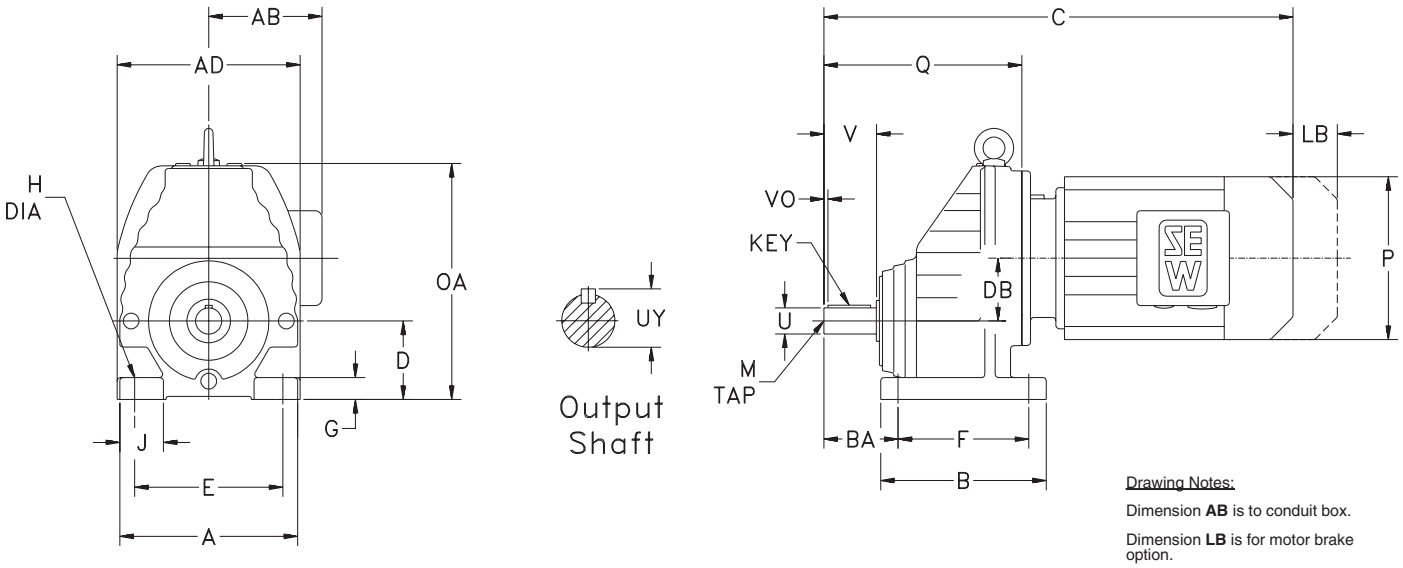
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT				DV				
		71	80	90	100	112M	132S	132M	132ML	160M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275
RX57	**C**	14.69 373	16.65 423	17.44 443	19.41 493	20.79 528	22.68 576	23.54 598	— —	— —
RX67	**C**	15.75 400	17.72 450	18.50 470	20.47 520	21.85 555	23.74 603	24.61 625	— —	— —
RX77	**C**	16.54 420	18.50 470	19.21 488	21.18 538	22.60 574	24.37 619	25.16 639	27.52 699	27.52 699

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	A	AD	B	BA	D *	DB	E	F	G	H	J	OA	Q
RX87	10.47 266	10.71 272	8.11 206	4.33 110	3.94 100	3.68 93.5	8.46 215	6.30 160	1.18 30	0.69 17.5	2.36 60	13.07 332	10.59 269
RX97	12.60 320	12.91 328	9.45 240	5.51 140	4.41 112	4.57 116	9.84 250	7.28 185	1.38 35	0.87 22	2.76 70	15.47 393	12.44 316
RX107	14.17 360	14.57 370	10.24 260	5.98 152	5.51 140	5.12 130	12.20 310	8.27 210	1.77 45	0.87 22	3.15 80	18.07 459	14.33 364

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
RX87	1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 70*	$^{5}/_{8}$–11 × 1.38 *M16 x 36*
RX97	2.125 *50*	2.35 *53.5*	3.94 *100*	0.64 *10*	$^{1}/_{2} \times {}^{1}/_{2} \times 2^{5}/_{8}$ *14 x 9 x 80*	$^{3}/_{4}$–10 × 1.61 *M16 x 36*
RX107	2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{5}/_{8}$ *18 x 11 x 110*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*

*** Note: See page 33 for applicable tolerances.**

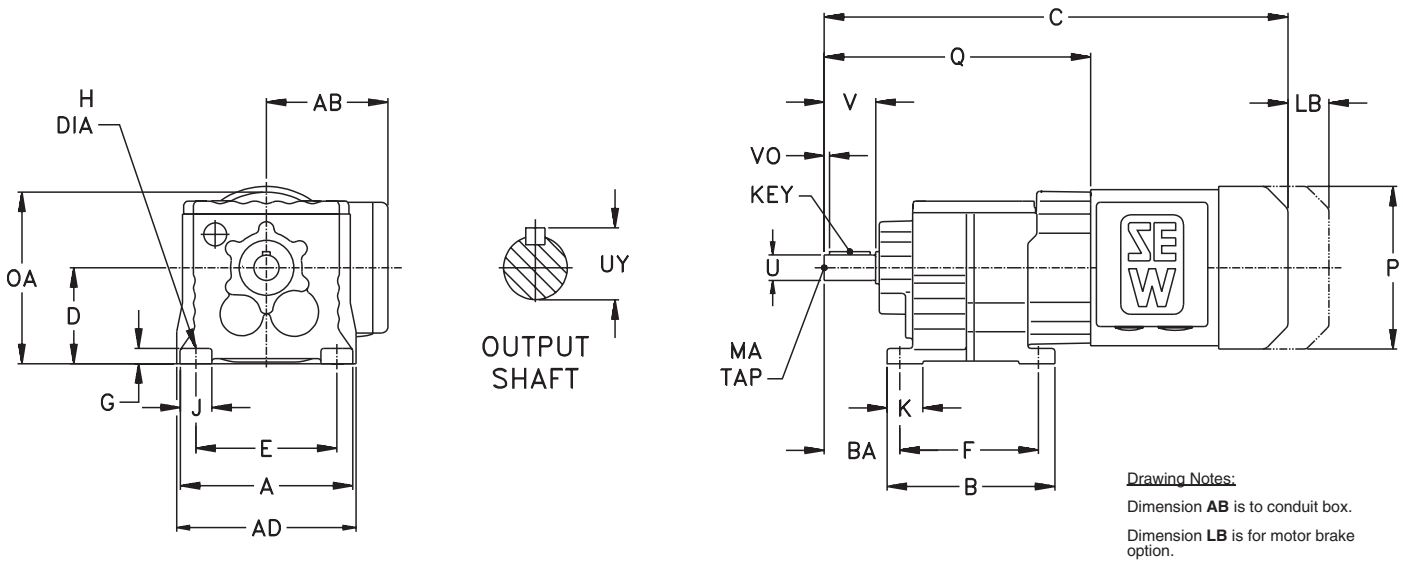
Motor

Model		DT			DV								
		80	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**	**200**	**225**
	AB	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
RX87	**C**	19.96 507	20.71 526	22.68 576	24.06 611	25.83 656	26.61 676	28.98 736	28.98 736	30.87 784	33.66 855	— —	— —
RX97	**C**	21.54 547	22.32 567	24.33 618	25.71 653	27.48 698	28.27 718	30.63 778	30.63 778	32.52 826	35.35 898	37.20 945	— —
RX107	**C**	— —	— —	25.94 659	27.36 695	29.13 740	29.92 760	32.28 820	32.28 820	34.17 868	37.01 940	38.86 987	42.09 1069

Dimensions are inch mm

See page 152 for available output shaft sizes.

Dimensions
Type R Gearmotors - Foot Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Gearcase

Model	A	AD	B	BA	D *	E	F	G	H	J	K	OA	Q
R17	5.31 135	5.51 140	5.16 131	2.28 58	2.95 75	4.33 110	4.33 110	0.47 12	0.35 9	0.98 25	1.10 28	5.28 134	8.15 207

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
R17	0.750 *20*	0.83 *22.5*	1.57 *40*	0.25 *4*	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{1}/_{16}$ *6 x 6 x 32*	$^{1}/_{4}$–20 × 0.63 *M6 x 16*

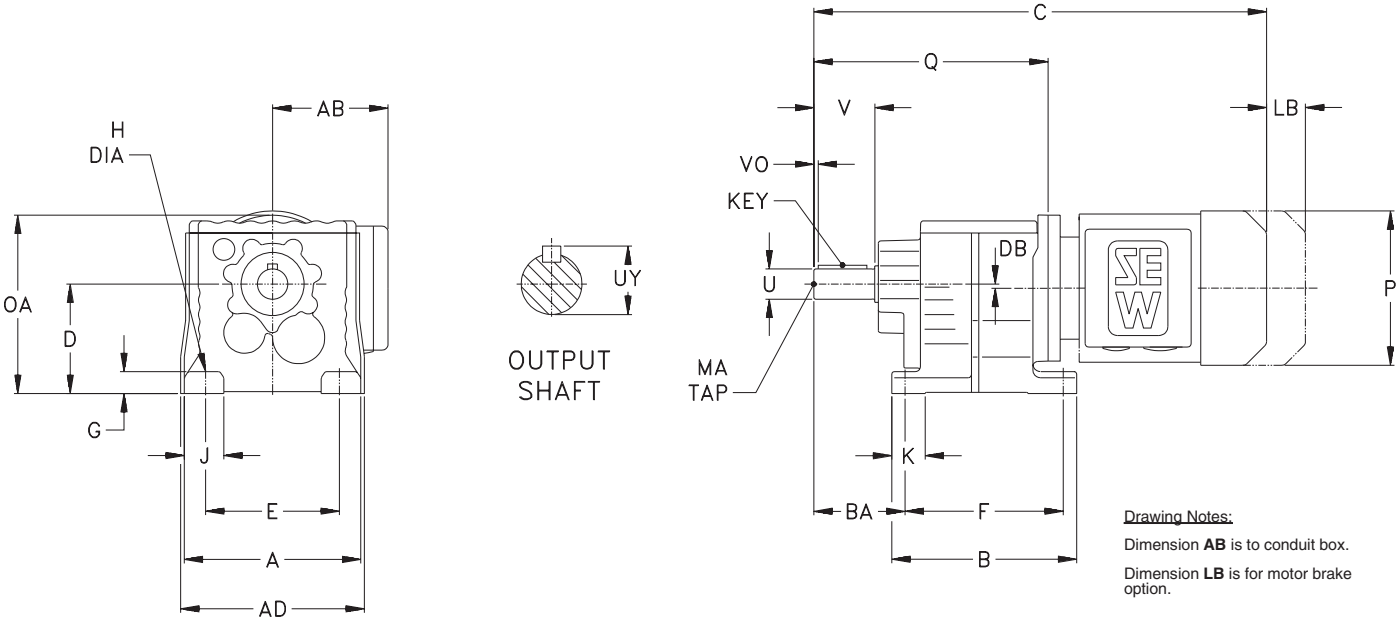
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80
	AB	5.43 138	5.43 138
	LB	2.52 64	2.52 64
	P	5.71 145	5.71 145
R17	**C**	14.61 371	16.57 421

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.



Gearcase

Model	A	AD	B	BA	D *	DB	E	F	G	H	J	K	OA	Q
R27	5.71 145	5.94 151	5.98 152	2.95 75	3.54 90	0.13 3.4	4.33 110	5.12 130	0.71 18	0.35 9	1.26 32	1.06 27	5.79 147	7.60 193

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
R27	1.000 *25*	1.11 *28*	1.97 *50*	0.26 *3.5*	$^1/_4 \times {}^1/_4 \times 1^5/_{16}$ *8 x 7 x 40*	$^3/_8$–16 × 0.87 *M10 x 22*

*** Note: See page 33 for applicable tolerances.**

Motor

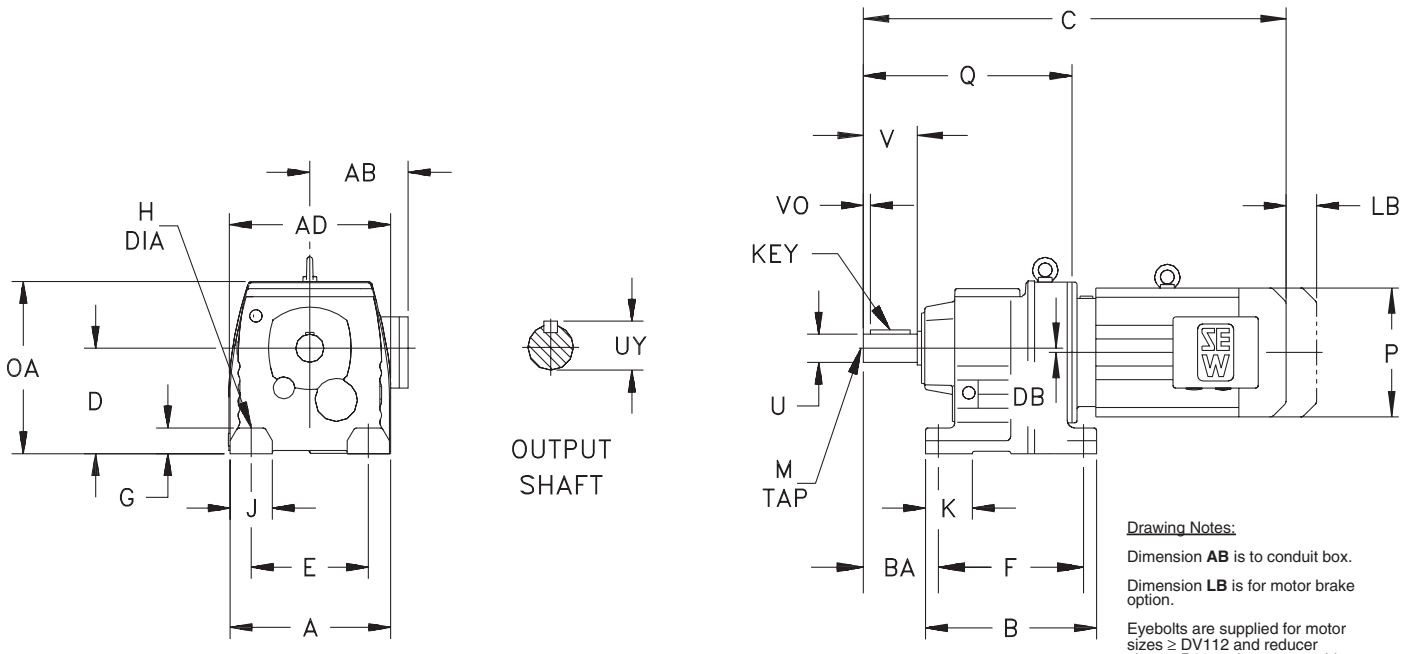
Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
R27	C	15.67 398	17.64 448	18.43[1)] 468	20.51[1)] 521

Dimensions are inch mm

See page 152 for available output shaft sizes.

[1)] Motor extends below mounting feet (D - DB < P/2).

Dimensions
Type R Gearmotors - Foot Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AD	B	BA	D *	DB	E	F	G	H	J	K	OA	Q
R37	5.71 145	6.34 161	6.30 160	2.95 75	3.54 90	0.40 10.1	4.33 110	5.12 130	0.71 18	0.35 9	1.38 35	1.57 40	5.94 151	7.91 201
R47	6.69 170	7.01 178	7.68 195	3.54 90	4.53 115	0.55 14	5.31 135	6.50 165	0.94 24	0.53 13.5	1.65 42	1.97 50	7.36 187	9.25 235
R57	7.48 190	7.95 202	7.87 200	3.94 100	4.53 115	0.44 11.2	5.31 135	6.50 165	0.94 24	0.53 13.5	2.17 55	2.36 60	7.36 187	10.12 257
R67	8.27 210	8.46 215	9.25 235	3.94 100	5.12 130	0.81 20.7	5.91 150	7.68 195	1.18 30	0.55 14	2.36 60	2.36 60	8.35 212	11.02 280

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
R37	1.000 *25*	1.11 *28*	1.97 *50*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{5}/_{16}$ *8 x 7 x 40*	$^{3}/_{8}$–16 × 0.87 *M10 x 22*
R47	1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 50*	$^{1}/_{2}$–13 × 1.12 *M10 x 22*
R57	1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^{1}/_{2}$–13 × 1.12 *M12 x 28*
R67	1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^{1}/_{2}$–13 × 1.12 *M12 x 28*

*** Note: See page 33 for applicable tolerances.**

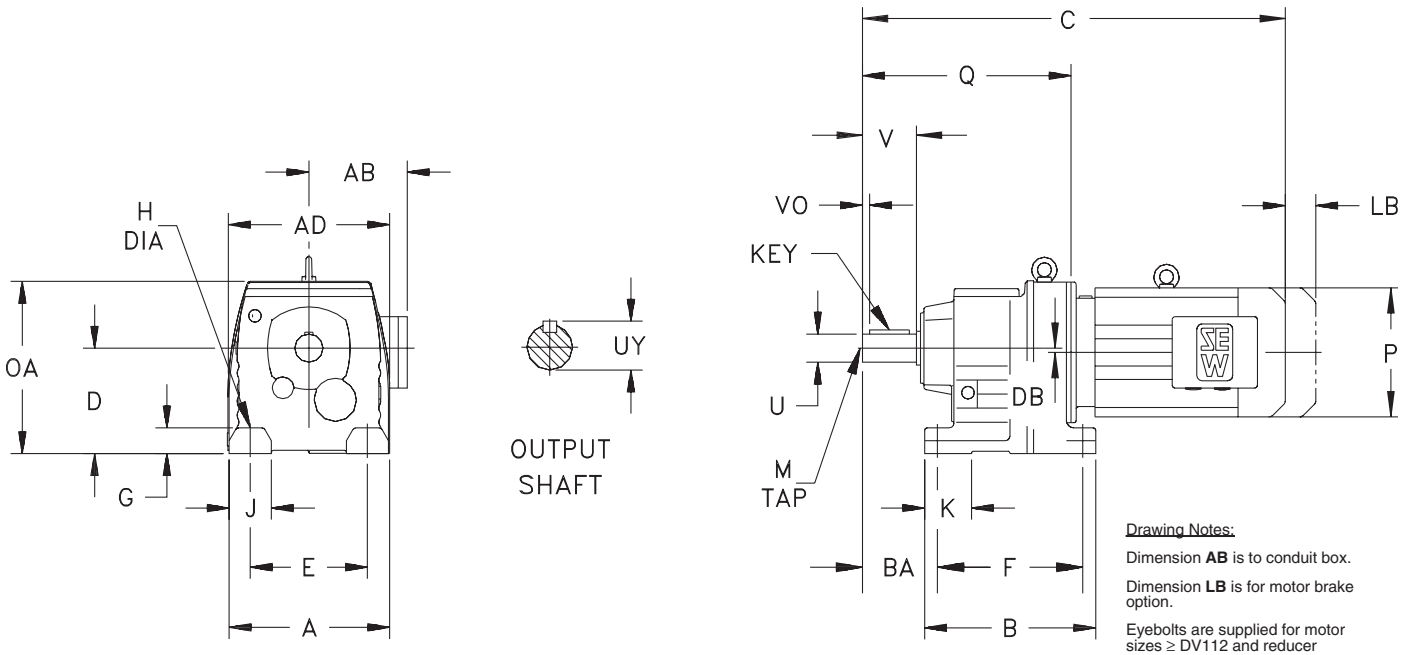
Motor

Model		DT				DV		
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
R37	**C**	15.98 406	17.95 456	18.74[1)] 476	20.83[1)] 529	— —	— —	— —
R47	**C**	17.09 434	19.06 484	19.84 504	21.81 554	23.19[1)] 589	25.08[1)] 637	25.94[1)] 659
R57	**C**	17.95 456	19.92 506	20.71 526	22.68 576	24.06[1)] 611	25.94[1)] 659	26.81[1)] 681
R67	**C**	18.86 479	20.83 529	21.61 549	23.58 599	24.96[1)] 634	26.85[1)] 682	27.72[1)] 704

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.

[1)] Motor extends below mounting feet (D - DB < P/2).



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AD	B	BA	D *	DB	E	F	G	H	J	K	OA	Q
R77	9.06 230	9.25 235	9.65 245	4.53 115	5.51 140	0.63 15.9	6.69 170	8.07 205	1.18 30	0.69 17.5	2.36 60	2.36 60	8.98 228	11.81 300
R87	11.42 290	11.69 297	12.20 310	5.51 140	7.09 180	0.50 12.6	8.46 215	10.24 260	1.77 45	0.69 17.5	2.95 75	3.54 90	11.61 295	14.65 372
R97	13.39 340	13.70 348	14.37 365	6.30 160	8.86 225	0.40 10.2	9.84 250	12.20 310	2.17 55	0.87 22	3.54 90	3.94 100	14.49 368	17.32 440
R107	15.75 400	16.10 409	17.32 440	7.28 185	9.84 250	0.80 20.4	11.42 290	14.57 370	2.56 65	1.02 26	4.33 110	4.92 125	16.06 408	19.49 495

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
R77	1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	$^3/_8 \times ^3/_8 \times 2^1/_4$ *12 x 8 x 70*	$^5/_8$–11 × 1.38 *M16 x 36*
R87	2.125 *50*	2.35 *53.5*	3.94 *100*	0.64 *10*	$^1/_2 \times ^1/_2 \times 2^5/_8$ *14 x 9 x 80*	$^3/_4$–10 × 1.61 *M16 x 36*
R97	2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	$^5/_8 \times ^5/_8 \times 3^5/_8$ *18 x 11 x 110*	$^3/_4$–10 × 1.61 *M20 x 42*
R107	2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	$^3/_4 \times ^3/_4 \times 4^1/_8$ *20 x 12 x 125*	$^3/_4$–10 × 1.61 *M20 x 42*

*** Note: See page 33 for applicable tolerances.**

Motor

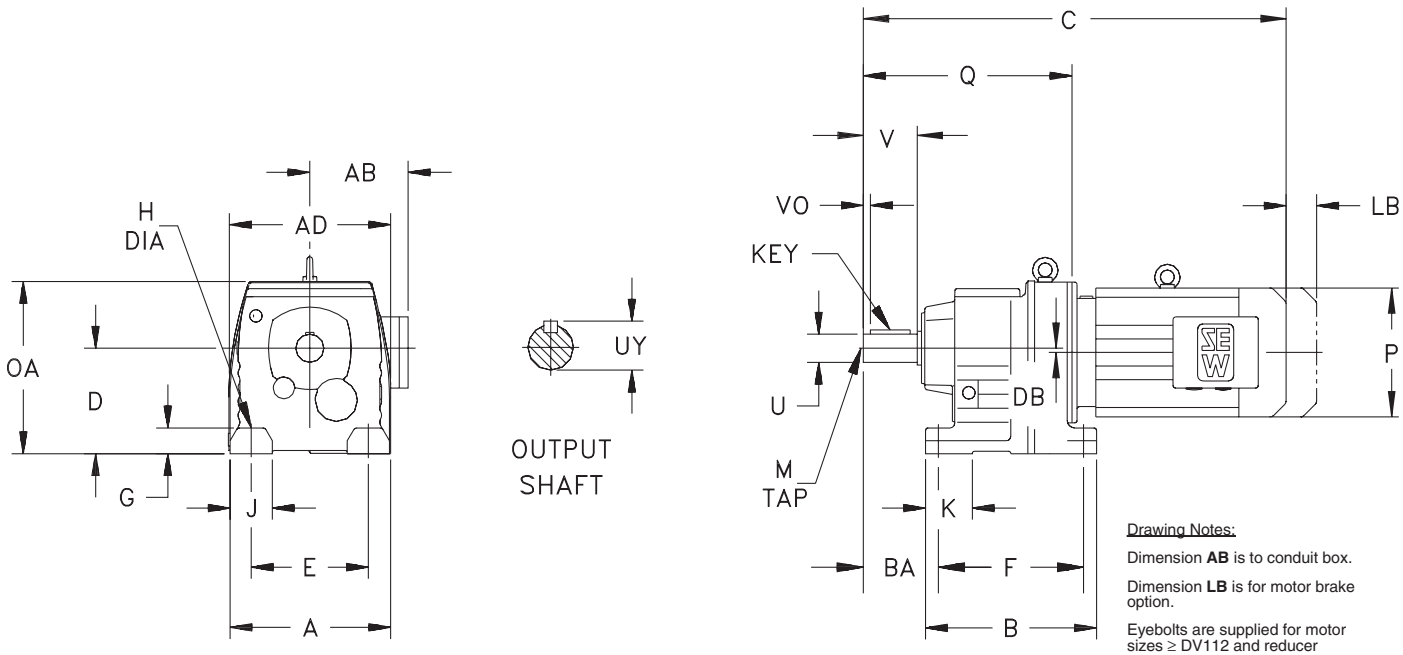
Model		DT				DV								
		71	80	90	100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
R77	**C**	19.41 493	21.38 543	22.09 561	24.06 611	25.47 647	27.24 692	28.03[1)] 712	30.39[1)] 772	30.39[1)] 772	— —	— —	— —	— —
R87	**C**	— —	24.02 610	24.76 629	26.73 679	28.11 714	29.88 759	30.67 779	33.03 839	33.03 839	34.92 887	37.72 958	— —	— —
R97	**C**	— —	26.42 671	27.20 691	29.21 742	30.59 777	32.36 822	33.15 842	35.51 902	35.51 902	37.40 950	40.24 1022	42.09 1069	— —
R107	**C**	— —	— —	— —	31.10 790	32.52 826	34.29 871	35.08 891	37.44 951	37.44 951	39.33 999	42.17 1071	44.02 1118	47.24 1200

Dimensions are inch mm

See page 152 for available output shaft sizes.

[1)] Motor extends below mounting feet (D - DB < P/2).

Dimensions
Type R Gearmotors - Foot Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AD	B	BA	D *	DB	E	F	G	H	J	K	OA	Q
R137	17.72 450	18.03 458	19.29 490	8.66 220	12.40 315	0.99 25.1	13.39 340	16.14 410	2.76 70	1.30 33	4.33 110	5.12 130	19.49 495	23.19 589
R147	20.87 530	21.26 540	23.23 590	10.24 260	13.98 355	1.31 33.4	14.96 380	19.69 500	3.15 80	1.54 39	5.91 150	5.91 150	22.24 565	27.36 695
R167	25.98 660	26.38 670	26.38 670	10.63 270	16.73 425	2.36 59.9	19.69 500	22.83 580	3.94 100	1.54 39	6.30 160	6.30 160	26.57 675	31.10 790

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
R137	3.625 *90*	4.01 *95*	6.69 *170*	0.63 *5*	$^{7}/_{8} \times {}^{7}/_{8} \times 5^{3}/_{8}$ *25 x 14 x 160*	1 –8 × 2.13 *M24 x 50*
R147	4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
R167	4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	$1^{1}/_{4} \times 1^{1}/_{4} \times 6^{9}/_{16}$ *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*

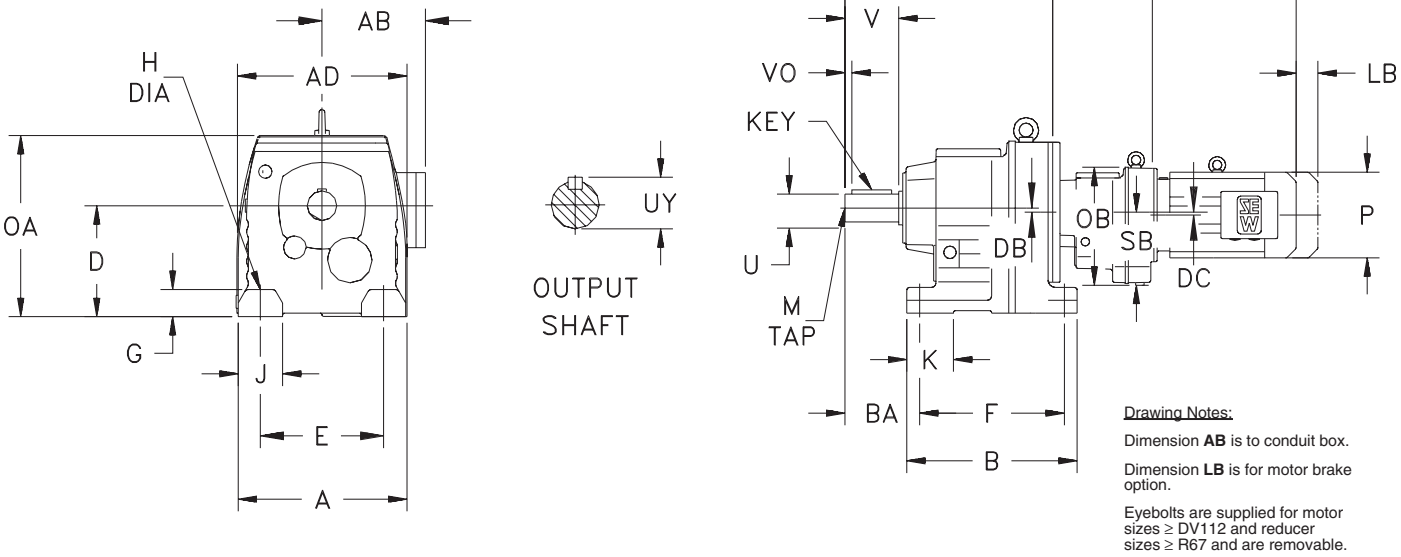
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DV 132S	132M	132ML	160M	160L	180	200	225
	AB	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
R137	**C**	37.72 958	38.50 978	40.87 1038	40.87 1038	42.76 1086	45.59 1158	47.44 1205	50.67 1287
R147	**C**	— —	— —	44.72 1136	44.72 1136	46.61 1184	49.45 1256	51.30 1303	54.53 1385
R167	**C**	— —	— —	— —	48.15 1223	50.04 1271	52.87 1343	54.72 1390	57.95 1472

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AD	B	BA	D *	DB	DC	E	F	G	H	J	K	OA	OB	Q	SB	ZB
R27R17	5.71 145	5.94 151	5.98 152	2.95 75	3.54 90	0.13 3.4	0.00 0	4.33 110	5.12 130	0.71 18	0.35 9	1.26 32	1.06 27	5.79 147	5.31 135	7.60 193	2.99 76	6.89 175
R37R17	5.71 145	6.34 161	6.30 160	2.95 75	3.54 90	0.40 10.1	0.00 0	4.33 110	5.12 130	0.71 18	0.35 9	1.38 35	1.57 40	5.94 151	5.31 135	7.91 201	2.99 76	6.89 175
R47R37	6.69 170	7.01 178	7.68 195	3.54 90	4.53 115	0.55 14	0.40 10.1	5.31 135	6.50 165	0.94 24	0.53 13.5	1.65 42	1.97 50	7.36 187	6.10 155	9.25 235	3.70 94	6.50 165
R57R37	7.48 190	7.95 202	7.87 200	3.94 100	4.53 115	0.44 11.2	0.40 10.1	5.31 135	6.50 165	0.94 24	0.53 13.5	2.17 55	2.36 60	7.36 187	6.10 155	10.12 257	3.70 94	6.50 165

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
R27R17	1.000 *25*	1.11 *28*	1.97 *50*	0.26 *3.5*	$^1/_4 \times {}^1/_4 \times 1^5/_{16}$ *8 x 7 x 40*	$^3/_8$–16 × 0.87 *M10 x 22*
R37R17	1.000 *25*	1.11 *28*	1.97 *50*	0.26 *3.5*	$^1/_4 \times {}^1/_4 \times 1^5/_{16}$ *8 x 7 x 40*	$^3/_8$–16 × 0.87 *M10 x 22*
R47R37	1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^1/_4 \times {}^1/_4 \times 1^{11}/_{16}$ *8 x 7 x 50*	$^1/_2$–13 × 1.12 *M10 x 22*
R57R37	1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^5/_{16} \times {}^5/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^1/_2$–13 × 1.12 *M12 x 28*

*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
R27R17	**C**	20.94 532	22.91 582	— —	— —
R37R17	**C**	21.26 540	23.23 590	— —	— —
R47R37	**C**	23.82 605	25.79 655	26.57[1)] 675	28.66[1)] 728
R57R37	**C**	24.69 627	26.65 677	27.44[1)] 697	29.53[1)] 750

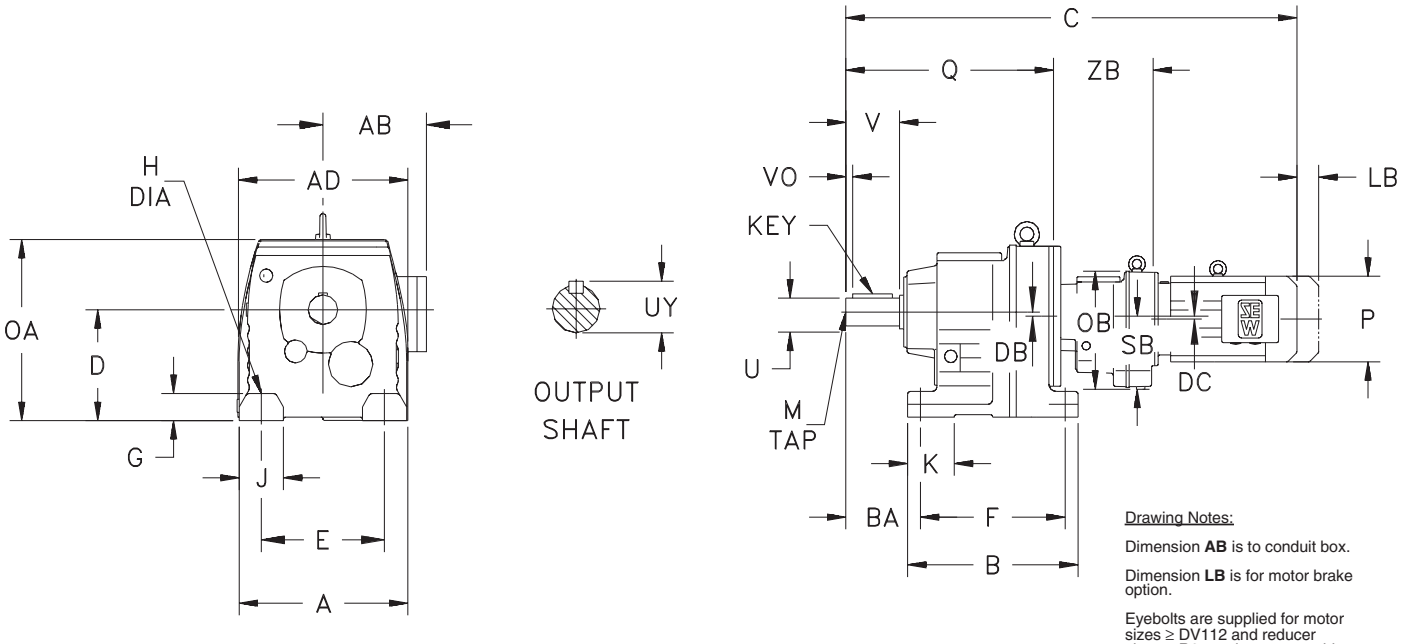
[1)] Motor extends below mounting feet (D - DB - DC < P/2).

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.

SEW EURODRIVE

Dimensions
Type R Gearmotors - Foot Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AD	B	BA	D *	DB	DC	E	F	G	H	J	K	OA	OB	Q	SB	ZB
R67R37	8.27 210	8.46 215	9.25 235	3.94 100	5.12 130	0.81 20.7	0.40 10.1	5.91 150	7.68 195	1.18 30	0.55 14	2.36 60	2.36 60	8.35 212	6.10 155	11.02 280	3.70 94	6.50 165
R77R37	9.06 230	9.25 235	9.65 245	4.53 115	5.51 140	0.63 15.9	0.40 10.1	6.69 170	8.07 205	1.18 30	0.69 17.5	2.36 60	2.36 60	8.98 228	6.10 155	11.81 300	3.70 94	6.18 157
R87R57	11.42 290	11.69 297	12.20 310	5.51 140	7.09 180	0.50 12.6	0.44 11.2	8.46 215	10.24 260	1.77 45	0.69 17.5	2.95 75	3.54 90	11.61 295	7.60 193	14.65 372	4.76 121	8.50 216
R97R57	13.39 340	13.70 348	14.37 365	6.30 160	8.86 225	0.40 10.2	0.44 11.2	9.84 250	12.20 310	2.17 55	0.87 22	3.54 90	3.94 100	14.49 368	7.60 193	17.32 440	4.76 121	8.31 211

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
R67R37	1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^{1}/_{2}$–13 × 1.12 *M12 x 28*
R77R37	1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 70*	$^{5}/_{8}$–11 × 1.38 *M16 x 36*
R87R57	2.125 *50*	2.35 *53.5*	3.94 *100*	0.64 *10*	$^{1}/_{2} \times {}^{1}/_{2} \times 2^{5}/_{8}$ *14 x 9 x 80*	$^{3}/_{4}$–10 × 1.61 *M16 x 36*
R97R57	2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{5}/_{8}$ *18 x 11 x 110*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*

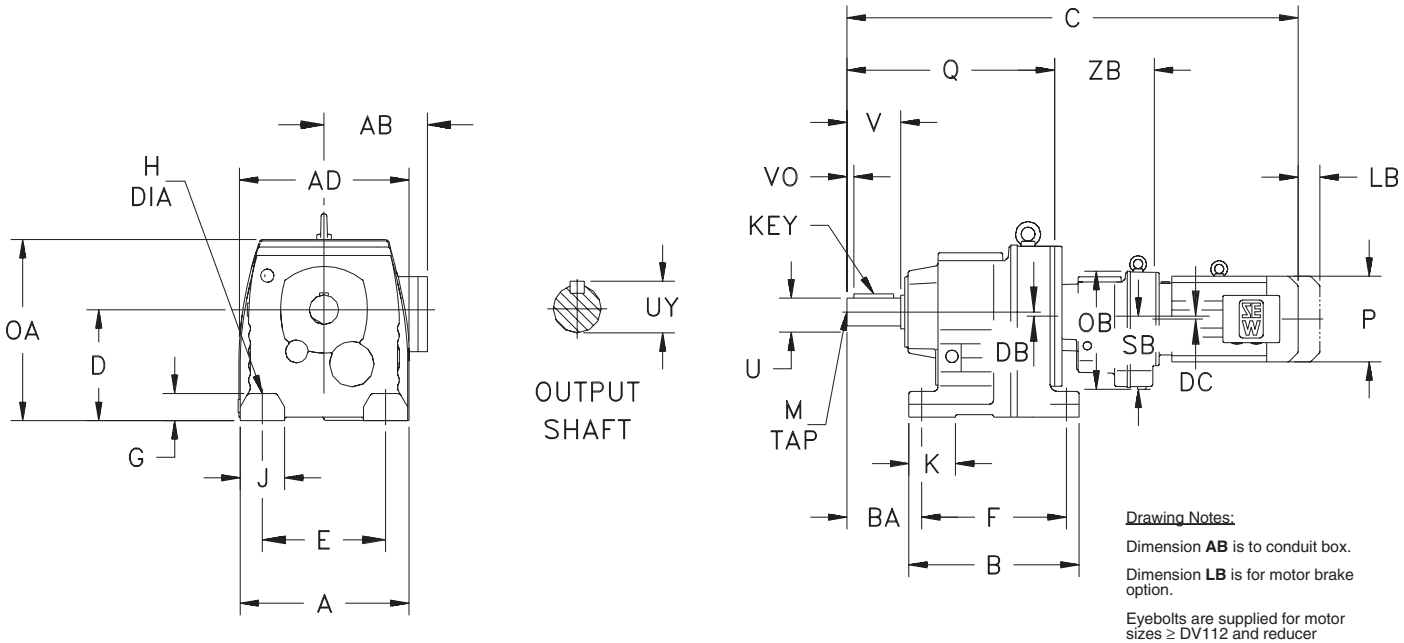
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
R67R37	**C**	25.59 650	27.56 700	28.35 720	30.43 773	— —	— —	— —
R77R37	**C**	26.06 662	28.03 712	28.82 732	30.91 785	— —	— —	— —
R87R57	**C**	30.98 787	32.95 837	33.74 857	35.71 907	37.09 942	38.98 990	39.84 1012
R97R57	**C**	33.46 850	35.43 900	36.22 920	38.19 970	39.57 1005	41.46 1053	42.32 1075

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AD	B	BA	D *	DB	DC	E	F	G	H	J	K	OA	OB	Q	SB	ZB
R107R77	15.75 400	16.10 409	17.32 440	7.28 185	9.84 250	0.80 20.4	0.63 15.9	11.42 290	14.57 370	2.56 65	1.02 26	4.33 110	4.92 125	16.06 408	9.13 232	19.49 495	5.67 144	9.72 247
R137R77	17.72 450	18.03 458	19.29 490	8.66 220	12.40 315	0.99 25.1	0.63 15.9	13.39 340	16.14 410	2.76 70	1.30 33	4.33 110	5.12 130	19.49 495	9.13 232	23.19 589	5.67 144	9.45 240
R147R77	20.87 530	21.26 540	23.23 590	10.24 260	13.98 355	1.31 33.4	0.63 15.9	14.96 380	19.69 500	3.15 80	1.54 39	5.91 150	5.91 150	22.24 565	9.13 232	27.36 695	5.67 144	9.13 232
R147R87	20.87 530	21.26 540	23.23 590	10.24 260	13.98 355	1.31 33.4	0.50 12.6	14.96 380	19.69 500	3.15 80	1.54 39	5.91 150	5.91 150	22.24 565	11.77 299	27.36 695	7.24 184	11.02 280

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
R107R77	2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	$^{3}/_{4} \times {}^{3}/_{4} \times 4^{1}/_{8}$ *20 x 12 x 125*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*
R137R77	3.625 *90*	4.01 *95*	6.69 *170*	0.63 *5*	$^{7}/_{8} \times {}^{7}/_{8} \times 5^{3}/_{8}$ *25 x 14 x 160*	1 –8 × 2.13 *M24 x 50*
R147R77	4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

Motor

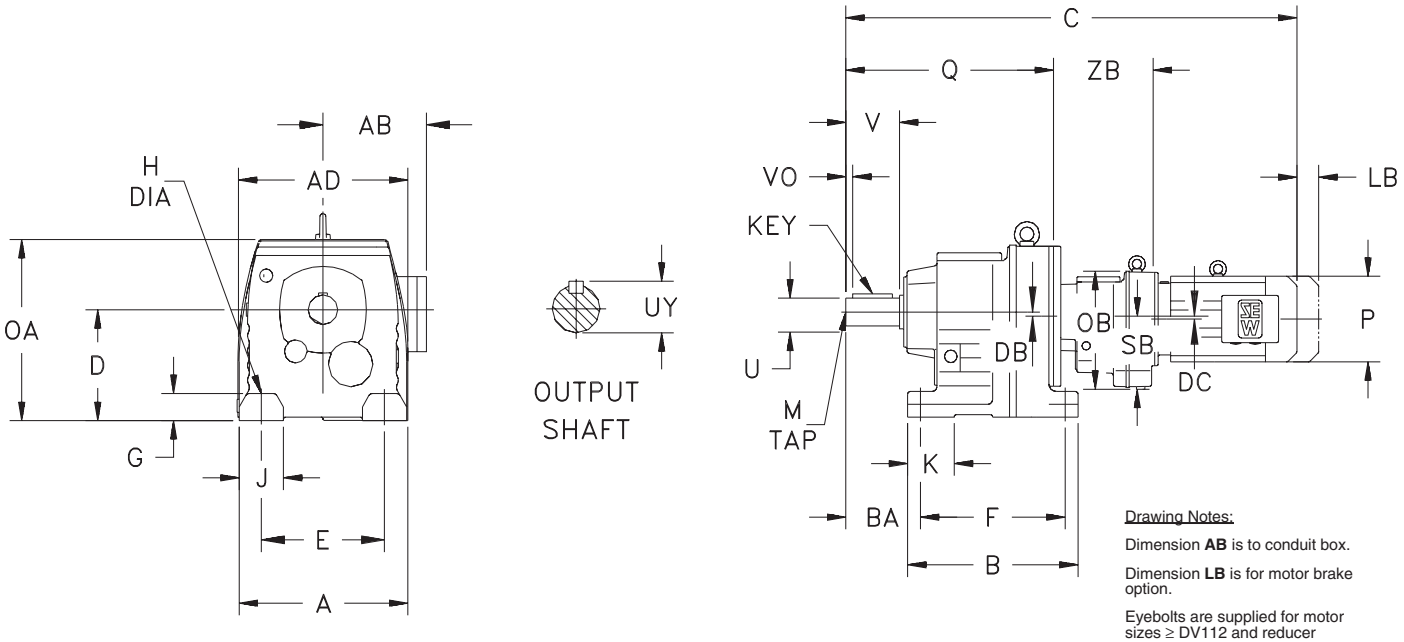
Model		DT				DV						
		71	80	90	100	112M	132S	132M	132ML	160M	160L	180
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331
R107R77	**C**	36.81 935	38.78 985	39.49 1003	41.46 1053	42.87 1089	44.65 1134	45.43 1154	47.80 1214	47.80 1214	— —	— —
R137R77	**C**	40.24 1022	42.20 1072	42.91 1090	44.88 1140	46.30 1176	48.07 1221	48.86 1241	51.22 1301	51.22 1301	— —	— —
R147R77	**C**	44.09 1120	46.06 1170	46.77 1188	48.74 1238	50.16 1274	51.93 1319	52.72 1339	55.08 1399	55.08 1399	— —	— —
R147R87	**C**	— —	47.76 1213	48.50 1232	50.47 1282	51.85 1317	53.62 1362	54.41 1382	56.77 1442	56.77 1442	58.66 1490	61.46 1561

Dimensions are inch / mm

See page 152 for available output shaft sizes.

SEW EURODRIVE

Dimensions
Type R Gearmotors - Foot Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AD	B	BA	D *	DB	DC	E	F	G	H	J	K	OA	OB	Q	SB	ZB
R167R97	25.98 660	26.38 670	26.38 670	10.63 270	16.73 425	2.36 59.9	0.40 10.2	19.69 500	22.83 580	3.94 100	1.54 39	6.30 160	6.30 160	26.57 675	14.72 374	31.10 790	9.06 230	12.80 325
R167R107	25.98 660	26.38 670	26.38 670	10.63 270	16.73 425	2.36 59.9	0.80 20.4	19.69 500	22.83 580	3.94 100	1.54 39	6.30 160	6.30 160	26.57 675	16.26 413	31.10 790	10.04 255	15.04 382

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
R167R97	4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	$1^{1}/_{4} \times 1^{1}/_{4} \times 6^{9}/_{16}$ *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*
R167R107	4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	$1^{1}/_{4} \times 1^{1}/_{4} \times 6^{9}/_{16}$ *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT			DV								
		80	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**	**200**	**225**
	AB	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
R167R97	**C**	52.99 1346	53.78 1366	55.79 1417	57.17 1452	58.94 1497	59.72 1517	62.09 1577	62.09 1577	63.98 1625	66.81 1697	68.66 1744	— —
R167R107	**C**	— —	— —	57.76 1467	59.17 1503	60.94 1548	61.73 1568	64.09 1628	64.09 1628	65.98 1676	68.82 1748	70.67 1795	73.90 1877

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.

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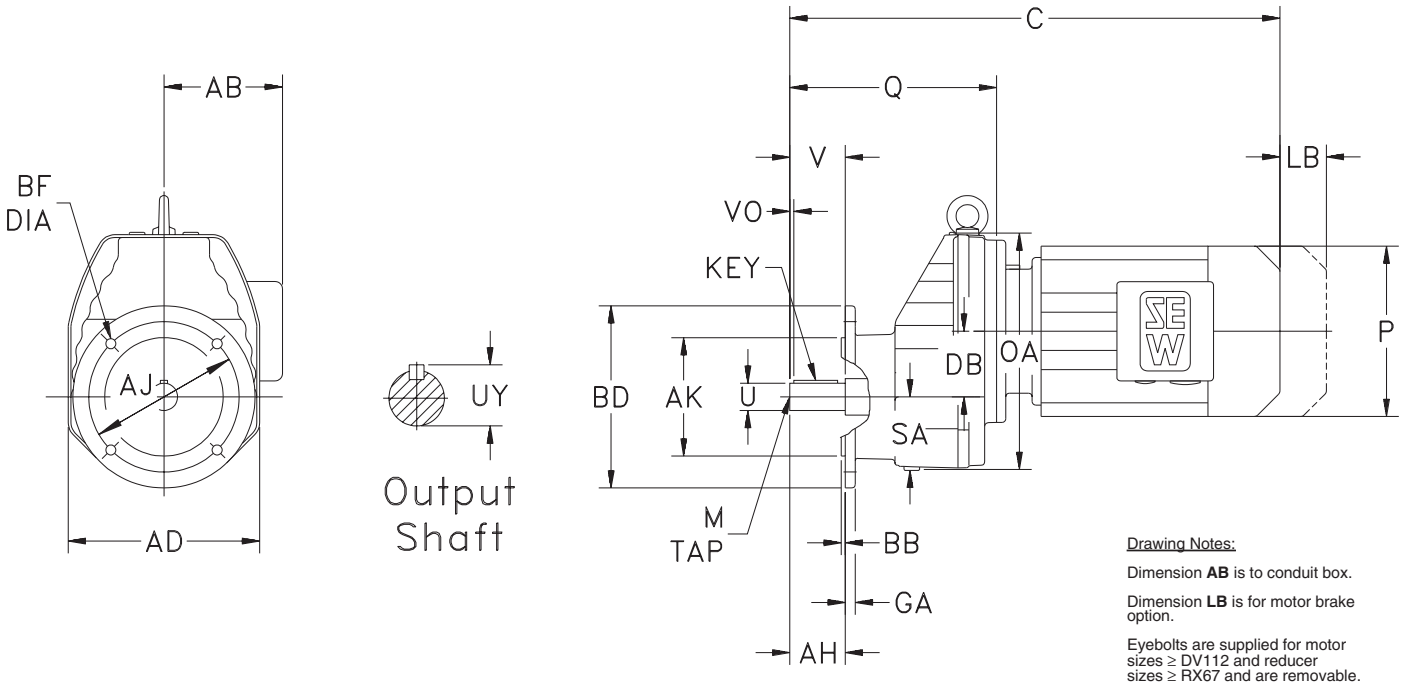
Dimensions
Type RF Gearmotors - Flange Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	OA	Q	SA
RXF57	6.38 162	2.05 52	7.91 201	6.85 174	2.44 62
RXF67	6.89 175	2.36 60	8.54 217	7.91 201	2.76 70

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
0.750 *20*	0.83 *22.5*	1.57 *40*	0.23 *3.5*	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{1}/_{16}$ *6 x 6 x 32*	$^{1}/_{4}$–20 × 0.63 *M6 x 16*
1.000 *25*	1.11 *28*	1.97 *50*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{5}/_{16}$ *8 x 7 x 40*	$^{3}/_{8}$–16 × 0.87 *M10 x 22*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RXF57	**Option 1**	1.57 40	4.53 115	3.740 95	0.12 3	5.51 140	0.35 9	0.39 10
	Option 2	1.57 40	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
	Option 3	1.57 40	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
RXF67	**Option 1**	1.97 50	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
	Option 2	1.97 50	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
	Option 3	1.97 50	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15

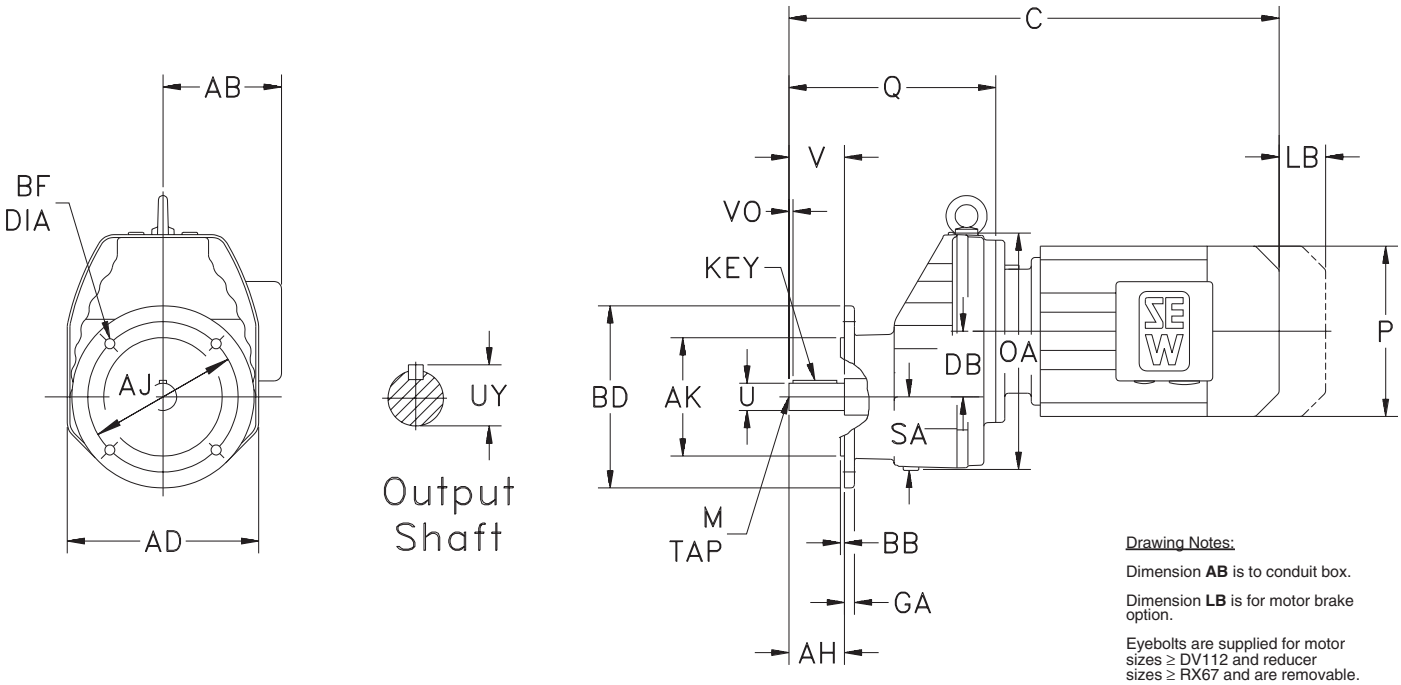
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
RXF57	**C**	14.69 373	16.65 423	17.44 443	19.41 493	20.79 528	22.68 576	23.54 598
RXF67	**C**	15.75 400	17.72 450	18.50 470	20.47 520	21.85 555	23.74 603	24.61 625

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	OA	Q	SA
RXF77	8.27 210	2.83 72	10.20 259	8.94 227	3.07 78
RXF87	10.71 272	3.68 93.5	12.99 330	10.59 269	3.86 98
RXF97	12.91 328	4.57 116	15.71 399	12.44 316	4.65 118

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^1/_4 \times {}^1/_4 \times 1^{11}/_{16}$ *8 x 7 x 50*	$^1/_2$–13 × 1.12 *M10 x 22*
1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	$^3/_8 \times {}^3/_8 \times 2^1/_4$ *12 x 8 x 70*	$^5/_8$–11 × 1.38 *M16 x 36*
2.125 *50*	2.35 *53.5*	3.94 *100*	0.64 *10*	$^1/_2 \times {}^1/_2 \times 2^5/_8$ *14 x 9 x 80*	$^3/_4$–10 × 1.61 *M16 x 36*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RXF77	**Option 1**	2.36 60	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
	Option 2	2.36 60	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
RXF87	**Option 1**	3.15 80	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.73 18.5
	Option 2	3.15 80	10.43 265	9.055 230	0.16 4	11.81 300	0.53 13.5	0.73 18.5
RXF97	**Option 1**	3.94 100	10.43 265	9.055 230	0.16 4	11.81 300	0.53 13.5	0.77 19.5
	Option 2	3.94 100	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.83 21

*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT				DV							
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**	**200**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394
RXF77	**C**	16.54 420	18.50 470	19.21 488	21.18 538	22.60 574	24.37 619	25.16 639	27.52 699	27.52 699	— —	— —	— —
RXF87	**C**	— —	19.96 507	20.71 526	22.68 576	24.06 611	25.83 656	26.61 676	28.98 736	28.98 736	30.87 784	33.66 855	— —
RXF97	**C**	— —	21.54 547	22.32 567	24.33 618	25.71 653	27.48 698	28.27 718	30.63 778	30.63 778	32.52 826	35.35 898	37.20 945

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.

Dimensions
Type RF Gearmotors - Flange Mounted

Fig. I

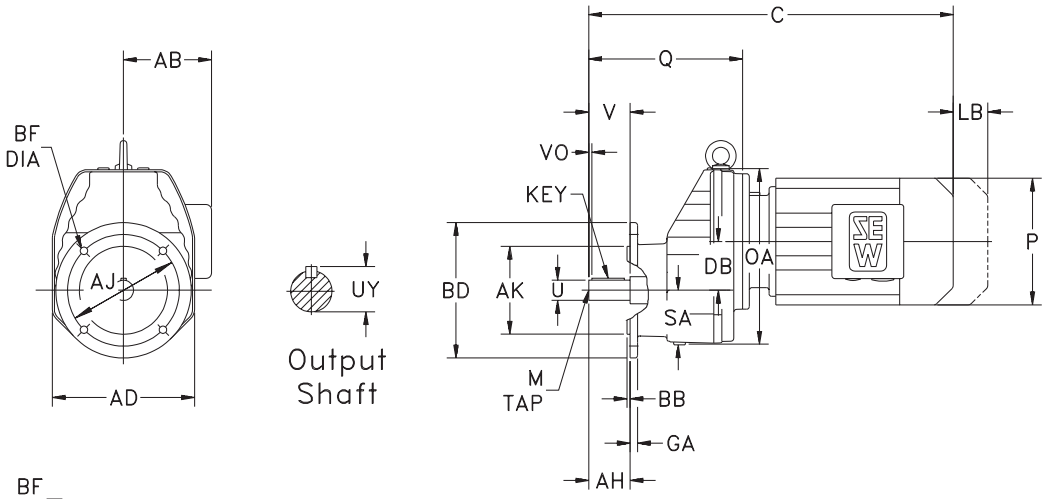
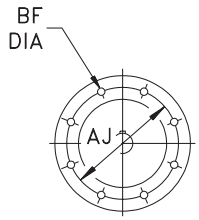


Fig. II



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	OA	Q	SA
RXF107	14.57 370	5.12 130	17.87 454	14.33 364	5.31 135

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	5/8 × 5/8 × 3 5/8 *18 x 11 x 110*	3/4 –10 × 1.61 *M20 x 42*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RXF107	Fig. I	4.72 120	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.93 23.5
	Fig. II	4.72 120	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	1.00 25.5

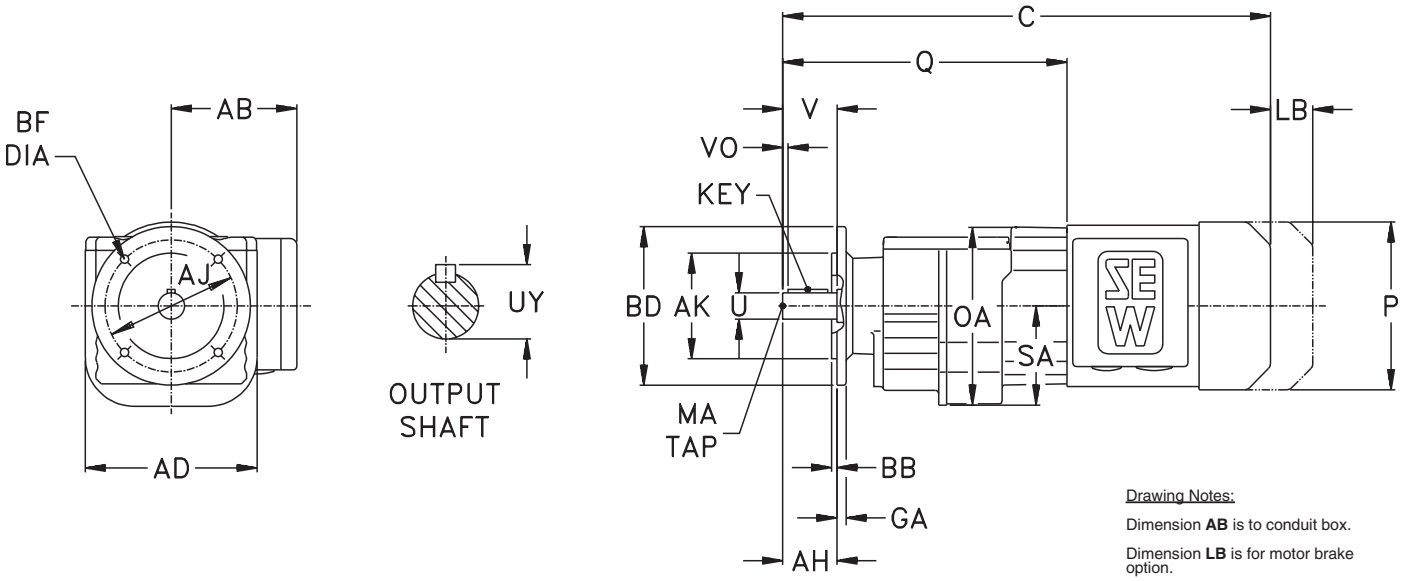
*** Note: See page 33 for applicable tolerances.**

Motor

Dimensions are inch mm

See page 152 for available output shaft sizes.

Model		DT	DV								
		100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
RXF107	C	25.94 659	27.36 695	29.13 740	29.92 760	32.28 820	32.28 820	34.17 868	37.01 940	38.86 987	42.09 1069



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Gearcase

Model	AD	OA	Q	SA
RF17	5.51 140	5.31 135	8.46 215	2.99 76

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
0.750 *20*	0.83 *22.5*	1.57 *40*	0.25 *4*	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{1}/_{16}$ *6 x 6 x 32*	$^{1}/_{4}$ –20 × 0.63 *M6 x 16*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RF17	**Option 1**	1.57 40	3.94 100	3.150 80	0.12 3	4.72 120	0.26 6.6	0.31 8
	Option 2	1.57 40	4.53 115	3.740 95	0.12 3	5.51 140	0.35 9	0.35 9

*** Note: See page 33 for applicable tolerances.**

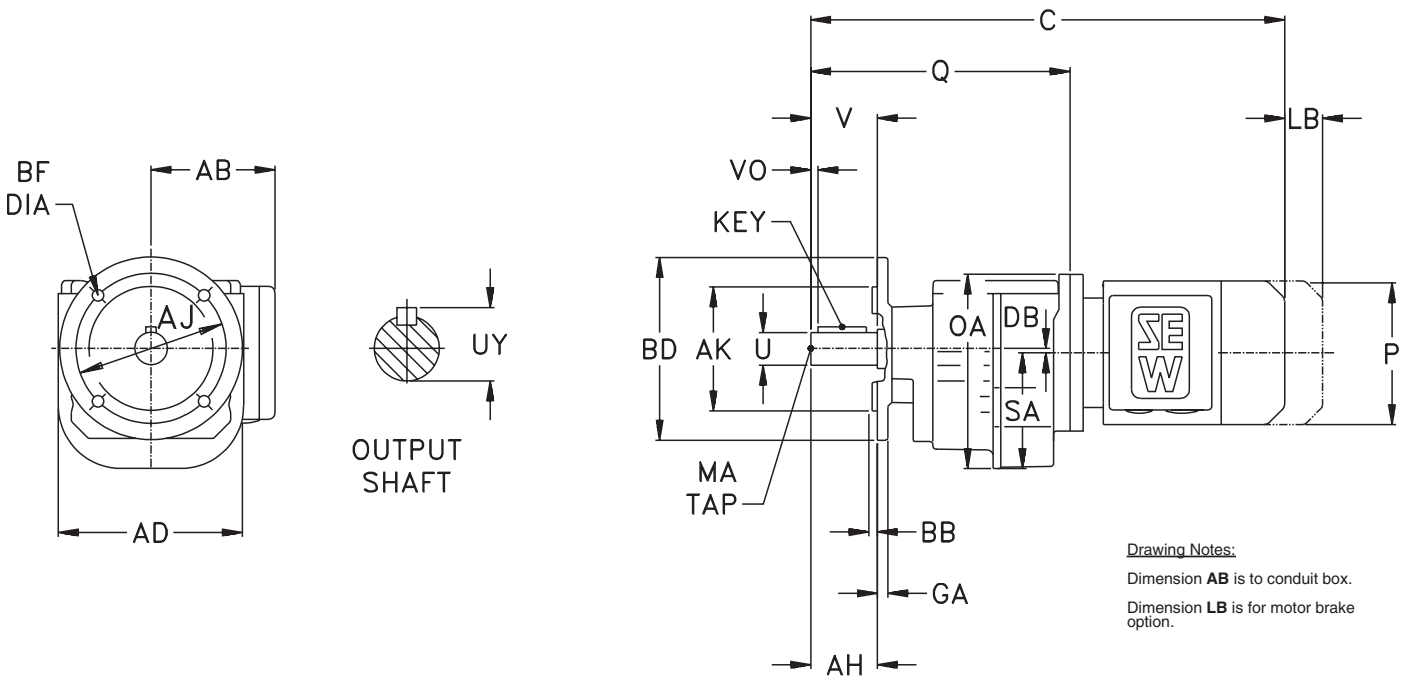
Motor

Model		DT 71	DT 80
	AB	5.43 138	5.43 138
	LB	2.52 64	2.52 64
	P	5.71 145	5.71 145
RF17	**C**	14.92 379	16.89 429

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.

Dimensions
Type RF Gearmotors - Flange Mounted



Gearcase

Model	AD	DB	OA	Q	SA
RF27	5.59 142	0.13 3.4	5.87 149	7.83 199	3.62 92

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.000 *25*	1.11 *28*	1.97 *50*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{5}/_{16}$ *8 x 7 x 40*	$^{3}/_{8}-16 \times 0.87$ *M10 x 22*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RF27	Option 1	1.97 50	3.94 100	3.150 80	0.12 3	4.72 120	0.26 6.6	0.31 8
	Option 2	1.97 50	4.53 115	3.740 95	0.12 3	5.51 140	0.35 9	0.35 9
	Option 3	1.97 50	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10

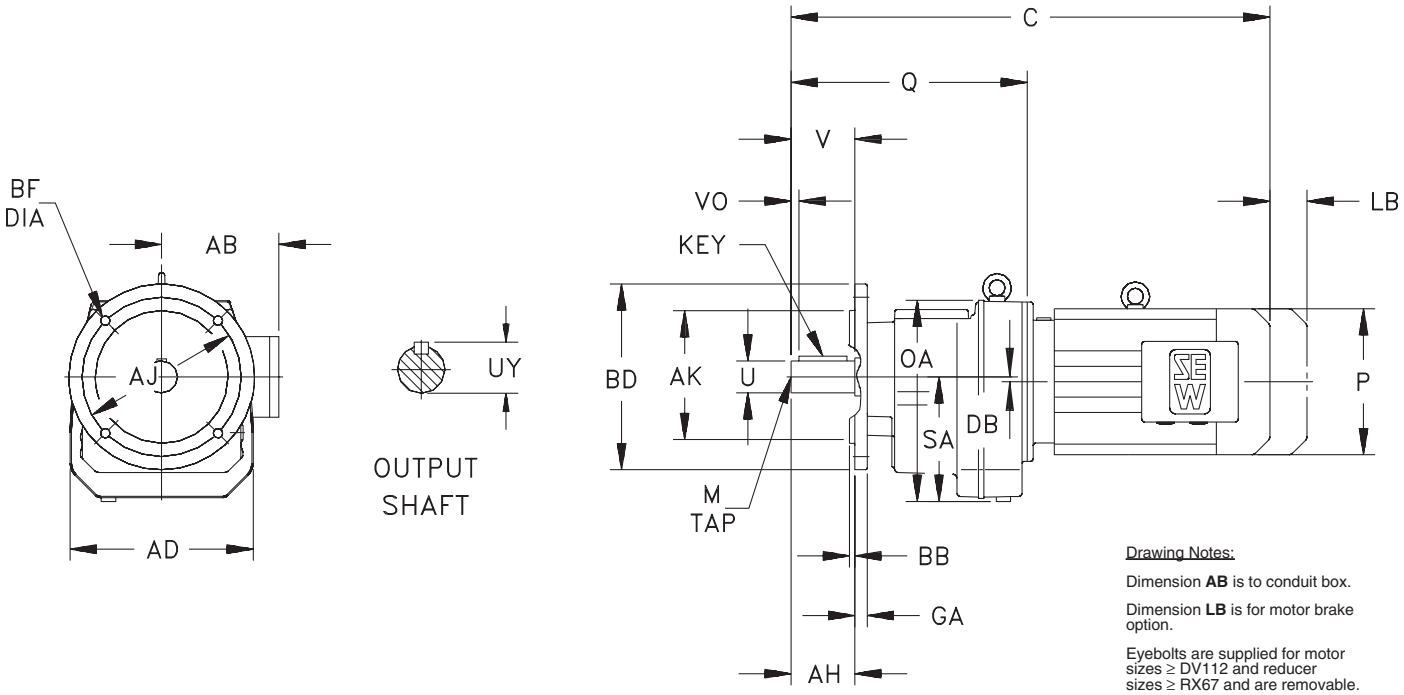
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
RF27	C	15.91 404	17.87 454	18.66 474	20.75 527

Dimensions are inch / mm

See page 152 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	OA	Q	SA
RF37	6.34 161	0.40 10.1	6.10 155	8.15 207	3.70 94
RF47	7.01 178	0.55 14	7.48 190	9.25 235	4.65 118

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.000 *25*	1.11 *28*	1.97 *50*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{5}/_{16}$ *8 x 7 x 40*	$^{3}/_{8}$–16 × 0.87 *M10 x 22*
1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 50*	$^{1}/_{2}$–13 × 1.12 *M10 x 22*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RF37	**Option 1**	1.97 50	3.94 100	3.150 80	0.12 3	4.72 120	0.26 6.6	0.39 10
	Option 2	1.97 50	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
	Option 3	1.97 50	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
RF47	**Option 1**	2.36 60	4.53 115	3.740 95	0.12 3	5.51 140	0.35 9	0.39 10
	Option 2	2.36 60	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
	Option 3	2.36 60	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12

*** Note: See page 33 for applicable tolerances.**

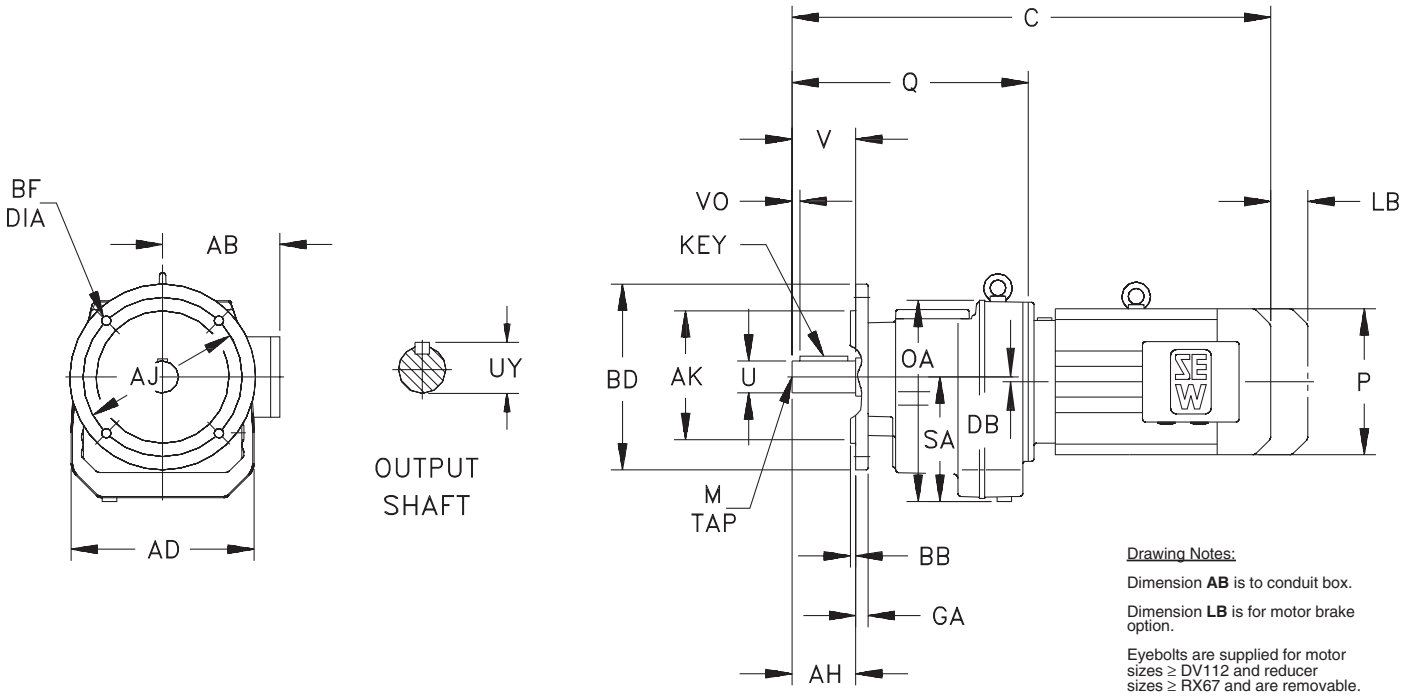
Motor

Model		DT				DV		
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
RF37	**C**	16.22 412	18.19 462	18.98 482	21.06 535	— —	— —	— —
RF47	**C**	17.09 434	19.06 484	19.84 504	21.81 554	23.19 589	25.08 637	25.94 659

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.

Dimensions
Type RF Gearmotors - Flange Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	OA	Q	SA
RF57	7.95 202	0.44 11.2	7.60 193	10.12 257	4.76 121
RF67	8.46 215	0.81 20.7	8.50 216	11.02 280	5.28 134

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^{1}/_{2}$–13 × 1.12 *M12 x 28*
1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^{1}/_{2}$–13 × 1.12 *M12 x 28*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RF57	**Option 1**	2.76 70	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
	Option 2	2.76 70	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
	Option 3	2.76 70	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
RF67	**Option 1**	2.76 70	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.73 18.5
	Option 2	2.76 70	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12

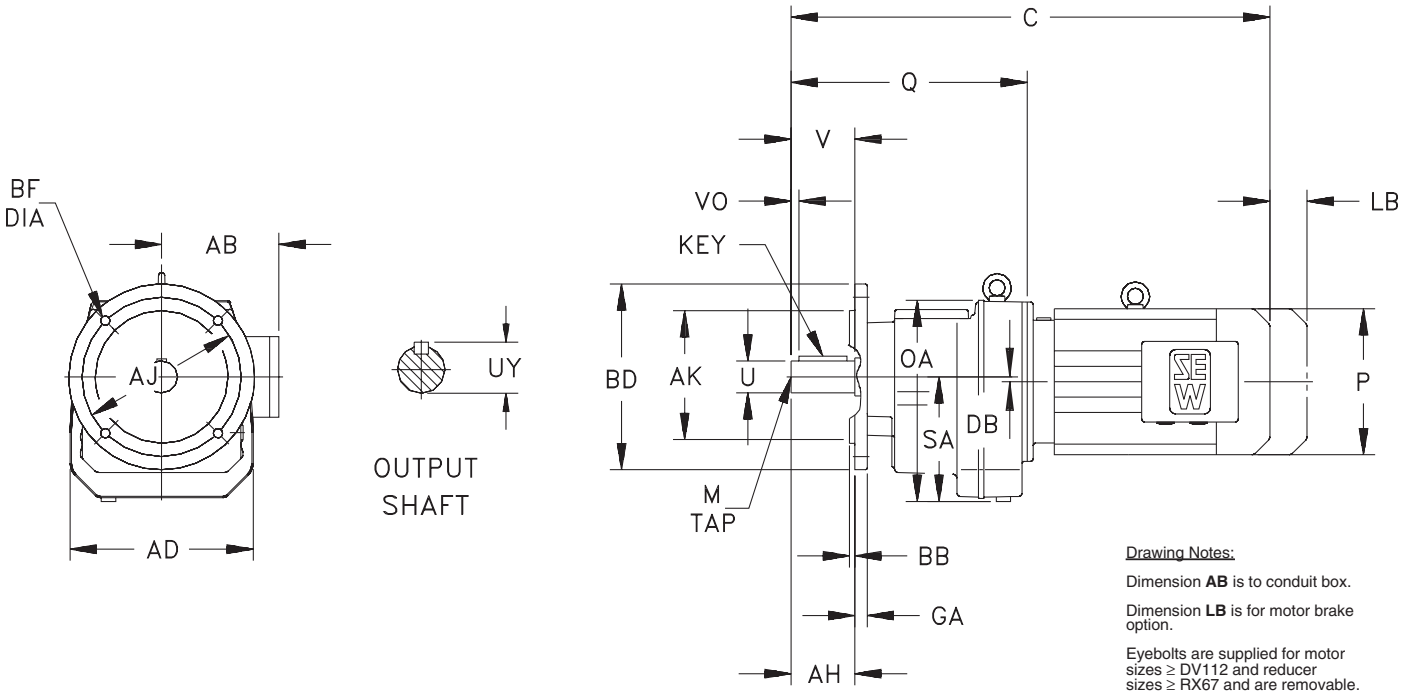
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT				DV		
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
RF57	**C**	17.95 456	19.92 506	20.71 526	22.68 576	24.06 611	25.94 659	26.81 681
RF67	**C**	18.86 479	20.83 529	21.61 549	23.58 599	24.96 634	26.85 682	27.72 704

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	OA	Q	SA
RF77	9.25 235	0.63 15.9	9.13 232	11.81 300	5.67 144
RF87	11.69 297	0.50 12.6	11.77 299	14.65 372	7.24 184

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 70*	$^{5}/_{8}$–11 × 1.38 *M16 x 36*
2.125 *50*	2.35 *53.5*	3.94 *100*	0.64 *10*	$^{1}/_{2} \times {}^{1}/_{2} \times 2^{5}/_{8}$ *14 x 9 x 80*	$^{3}/_{4}$–10 × 1.61 *M16 x 36*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RF77	**Option 1**	3.15 80	10.43 265	9.055 230	0.16 4	11.81 300	0.53 13.5	0.73 18.5
	Option 2	3.15 80	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.73 18.5
RF87	**Option 1**	3.94 100	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.83 21
	Option 2	3.94 100	10.43 265	9.055 230	0.16 4	11.81 300	0.53 13.5	0.77 19.5

*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT				DV						
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331
RF77	**C**	19.41 493	21.38 543	22.09 561	24.06 611	25.47 647	27.24 692	28.03 712	30.39 772	30.39 772	— —	— —
RF87	**C**	— —	24.02 610	24.76 629	26.73 679	28.11 714	29.88 759	30.67 779	33.03 839	33.03 839	34.92 887	37.72 958

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.

Dimensions
Type RF Gearmotors - Flange Mounted

FIG. I

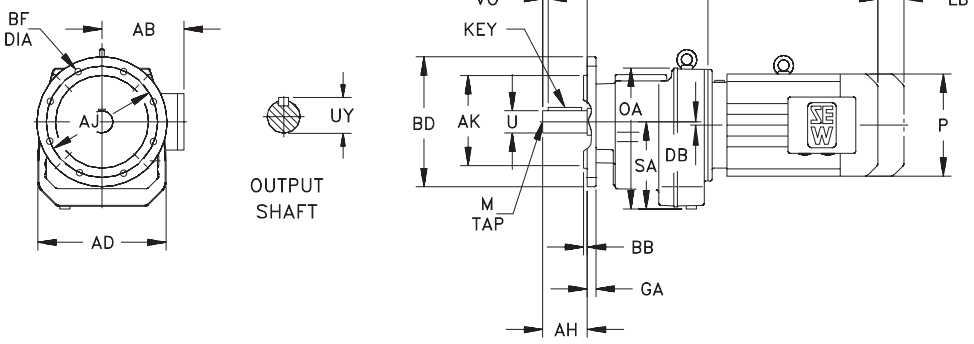
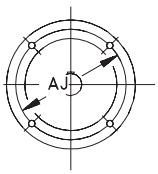


FIG. II



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	OA	Q	SA
RF97	13.70 348	0.40 10.2	14.72 374	17.32 440	9.06 230
RF107	16.10 409	0.80 20.4	16.26 413	19.49 495	10.04 255

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	5/8 × 5/8 × 3 5/8 *18 x 11 x 110*	3/4–10 × 1.61 *M20 x 42*
2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	3/4 × 3/4 × 4 1/8 *20 x 12 x 125*	3/4–10 × 1.61 *M20 x 42*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RF97	**Fig. I**	4.72 120	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	1.00 25.5
	Flg. II	4.72 120	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.93 23.5
RF107	**Fig. I**	5.51 140	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.93 23.5
	Fig. II	5.51 140	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.79 20

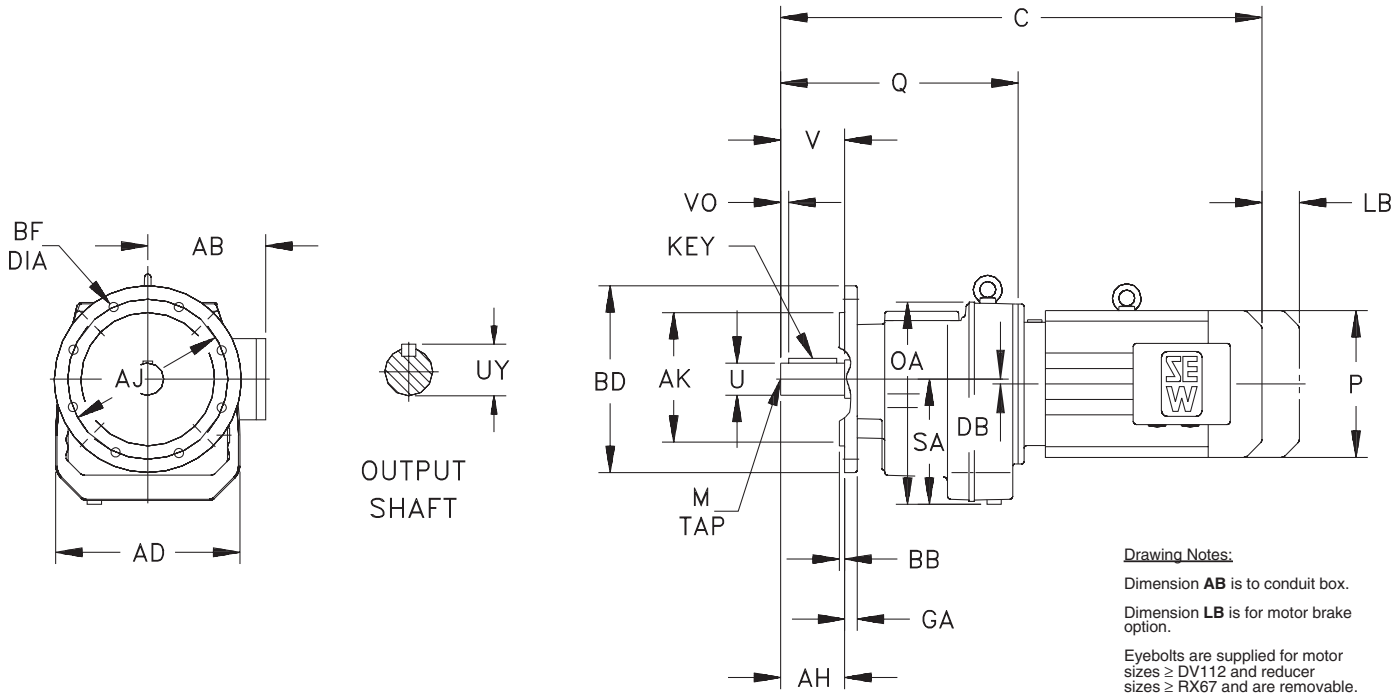
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT			DV								
		80	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**	**200**	**225**
	AB	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
RF97	**C**	26.42 671	27.20 691	29.21 742	30.59 777	32.36 822	33.15 842	35.51 902	35.51 902	37.40 950	40.24 1022	42.09 1069	— —
RF107	**C**	— —	— —	31.10 790	32.52 826	34.29 871	35.08 891	37.44 951	37.44 951	39.33 999	42.17 1071	44.02 1118	47.24 1200

Dimensions are inch mm

See page 152 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	OA	Q	SA
RF137	18.03 458	0.99 25.1	19.69 500	23.19 589	12.60 320
RF147	21.26 540	1.31 33.4	22.48 571	27.36 695	14.21 361
RF167	26.38 670	2.36 59.9	26.77 680	31.10 790	16.93 430

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
3.625 *90*	4.01 *95*	6.69 *170*	0.63 *5*	$^{7}/_{8} \times {}^{7}/_{8} \times 5^{3}/_{8}$ *25 x 14 x 160*	1 –8 × 2.13 *M24 x 50*
4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	$1^{1}/_{4} \times 1^{1}/_{4} \times 6^{9}/_{16}$ *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RF137	**Option 1**	6.69 170	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	1.10 28
	Option 2	6.69 170	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	1.10 28
RF147	**Option 1**	8.27 210	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	1.22 31
	Option 2	8.27 210	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	1.22 31
RF167	**Option 1**	8.27 210	23.62 600	21.654 550	0.24 6	25.98 660	0.87 22	1.26 32
	Option 2	8.27 210	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	1.26 32

*** Note: See page 33 for applicable tolerances.**

Motor

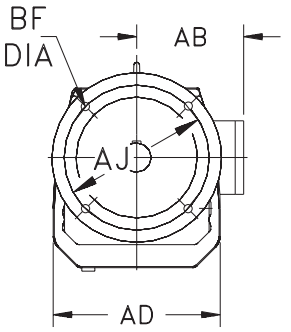
Model		DV 132S	132M	132ML	160M	160L	180	200	225
	AB	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
RF137	**C**	37.72 958	38.50 978	40.87 1038	40.87 1038	42.76 1086	45.59 1158	47.44 1205	50.67 1287
RF147	**C**	— —	— —	44.72 1136	44.72 1136	46.61 1184	49.45 1256	51.30 1303	54.53 1385
RF167	**C**	— —	— —	— —	48.15 1223	50.04 1271	52.87 1343	54.72 1390	57.95 1472

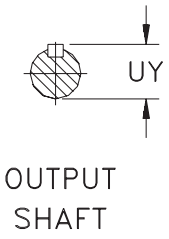
Dimensions are **inch** / **mm**

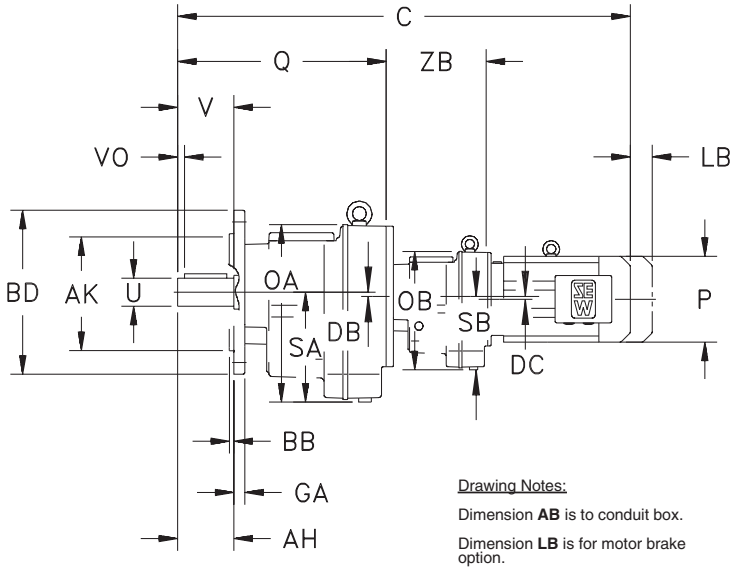
See page 152 for available output shaft sizes.

SEW EURODRIVE

Dimensions
Type RF Gearmotors - Flange Mounted







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	DC	OA	OB	Q	SA	SB	ZB
RF27R17	5.59 142	0.13 3.4	0.00 0	5.87 149	5.31 135	7.83 199	3.62 92	2.99 76	6.89 175

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.000 *25*	1.11 *28*	1.97 *50*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1{}^{5}/_{16}$ *8 x 7 x 40*	$^{3}/_{8}$–16 × 0.87 *M10 x 22*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RF27R17	Option 1	1.97 50	3.94 100	3.150 80	0.12 3	4.72 120	0.26 6.6	0.31 8
	Option 2	1.97 50	4.53 115	3.740 95	0.12 3	5.51 140	0.35 9	0.35 9
	Option 3	1.97 50	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10

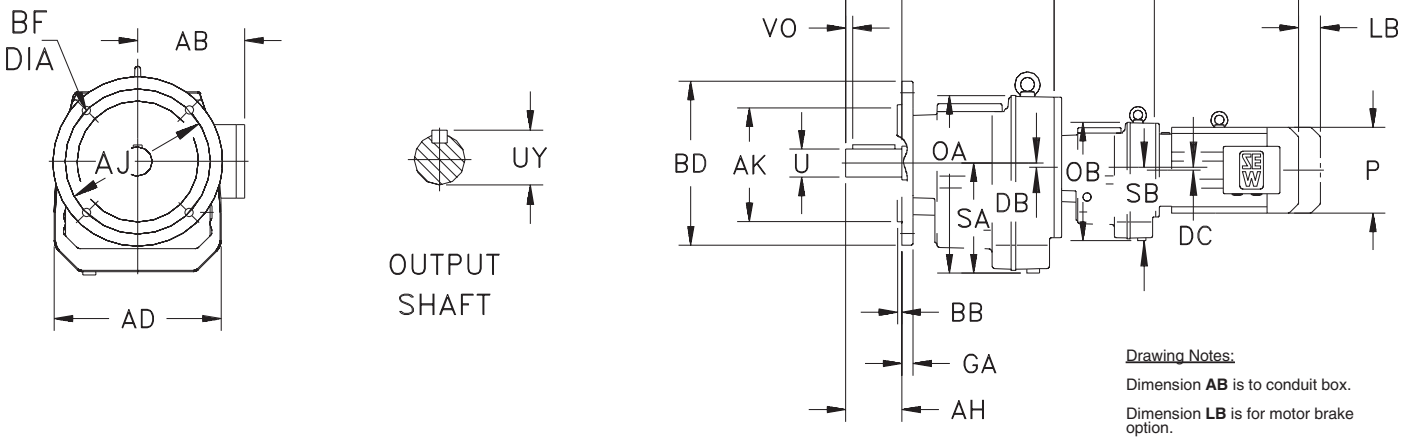
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80
	AB	5.43 138	5.43 138
	LB	2.52 64	2.52 64
	P	5.71 145	5.71 145
RF27R17	C	21.18 538	23.15 588

Dimensions are inch / mm

See page 152 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	DC	OA	OB	Q	SA	SB	ZB
RF37R17	6.34 161	0.40 10.1	0.00 0	6.10 155	5.31 135	8.15 207	3.70 94	2.99 76	6.89 175
RF47R37	7.01 178	0.55 14	0.40 10.1	7.48 190	6.10 155	9.25 235	4.65 118	3.70 94	6.50 165

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.000 *25*	1.11 *28*	1.97 *50*	0.26 *3.5*	$^1/_4 \times {}^1/_4 \times 1^5/_{16}$ *8 x 7 x 40*	$^3/_8$–16 × 0.87 *M10 x 22*
1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^1/_4 \times {}^1/_4 \times 1^{11}/_{16}$ *8 x 7 x 50*	$^1/_2$–13 × 1.12 *M10 x 22*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RF37R17	**Option 1**	1.97 50	3.94 100	3.150 80	0.12 3	4.72 120	0.26 6.6	0.39 10
	Option 2	1.97 50	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
	Option 3	1.97 50	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
RF47R37	**Option 1**	2.36 60	4.53 115	3.740 95	0.12 3	5.51 140	0.35 9	0.39 10
	Option 2	2.36 60	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
	Option 3	2.36 60	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12

*** Note: See page 33 for applicable tolerances.**

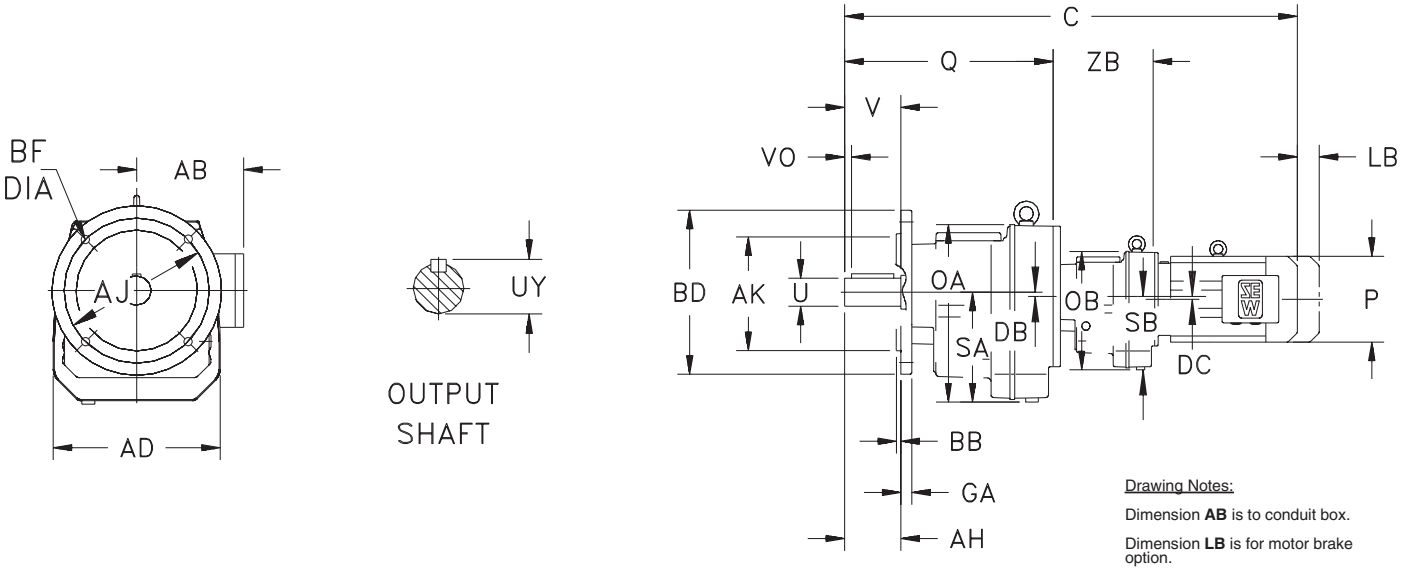
Motor

Model		DT			
		71	**80**	**90**	**100**
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
RF37R17	**C**	21.50 546	23.46 596	— —	— —
RF47R37	**C**	23.82 605	25.79 655	26.57 675	28.66 728

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.

Dimensions
Type RF Gearmotors - Flange Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	DC	OA	OB	Q	SA	SB	ZB
RF57R37	7.95 202	0.44 11.2	0.40 10.1	7.60 193	6.10 155	10.12 257	4.76 121	3.70 94	6.50 165
RF67R37	8.46 215	0.81 20.7	0.40 10.1	8.50 216	6.10 155	11.02 280	5.28 134	3.70 94	6.50 165

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^{1}/_{2}$–13 × 1.12 *M12 x 28*
1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^{1}/_{2}$–13 × 1.12 *M12 x 28*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RF57R37	**Option 1**	2.76 70	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
	Option 2	2.76 70	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
	Option 3	2.76 70	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
RF67R37	**Option 1**	2.76 70	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.73 18.5
	Option 2	2.76 70	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12

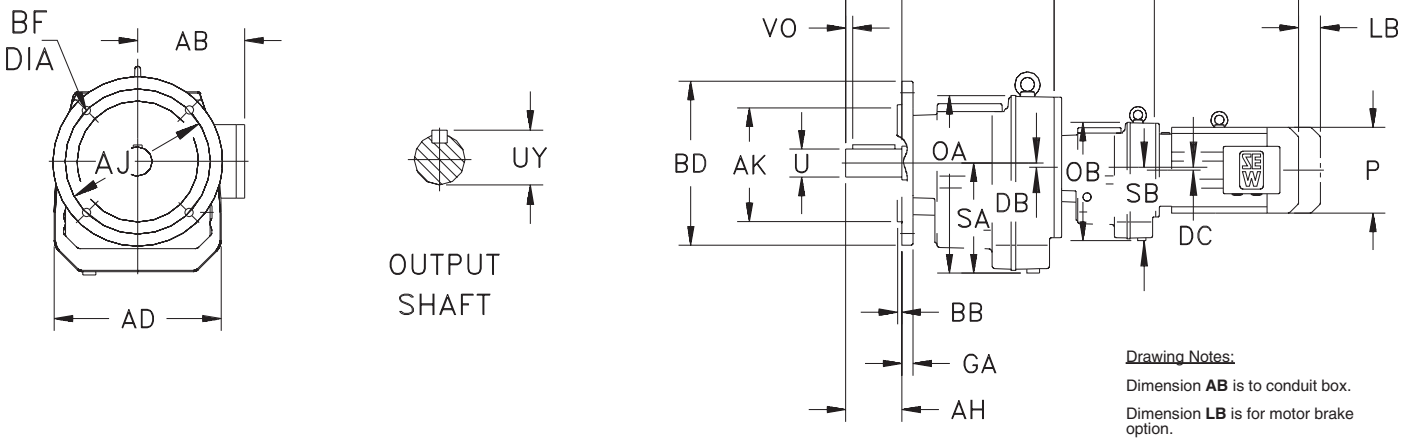
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
RF57R37	**C**	24.69 627	26.65 677	27.44 697	29.53 750
RF67R37	**C**	25.59 650	27.56 700	28.35 720	30.43 773

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	DC	OA	OB	Q	SA	SB	ZB
RF77R37	9.25 235	0.63 15.9	0.40 10.1	9.13 232	6.10 155	11.81 300	5.67 144	3.70 94	6.18 157
RF87R57	11.69 297	0.50 12.6	0.44 11.2	11.77 299	7.60 193	14.65 372	7.24 184	4.76 121	8.50 216

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	3/8 × 3/8 × 2 1/4 *12 x 8 x 70*	5/8 –11 × 1.38 *M16 x 36*
2.125 *50*	2.35 *53.5*	3.94 *100*	0.64 *10*	1/2 × 1/2 × 2 5/8 *14 x 9 x 80*	3/4 –10 × 1.61 *M16 x 36*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RF77R37	**Option 1**	3.15 80	10.43 265	9.055 230	0.16 4	11.81 300	0.53 13.5	0.73 18.5
	Option 2	3.15 80	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.73 18.5
RF87R57	**Option 1**	3.94 100	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.83 21
	Option 2	3.94 100	10.43 265	9.055 230	0.16 4	11.81 300	0.53 13.5	0.77 19.5

*** Note: See page 33 for applicable tolerances.**

Motor

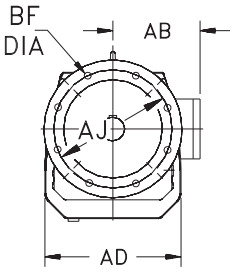
Model		DT				DV		
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
RF77R37	**C**	26.06 662	28.03 712	28.82 732	30.91 785	— —	— —	— —
RF87R57	**C**	30.98 787	32.95 837	33.74 857	35.71 907	37.09 942	38.98 990	39.84 1012

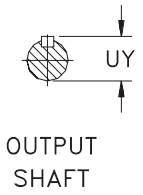
Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.

Dimensions
Type RF Gearmotors - Flange Mounted

FIG. I





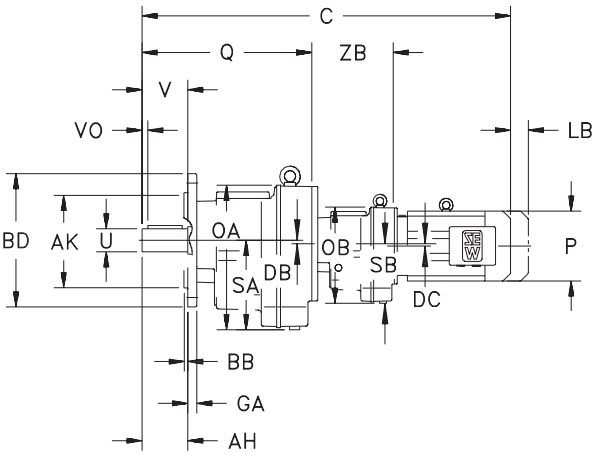
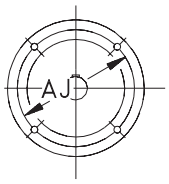


FIG. II



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	DC	OA	OB	Q	SA	SB	ZB
RF97R57	13.70 348	0.40 10.2	0.44 11.2	14.72 374	7.60 193	17.32 440	9.06 230	4.76 121	8.31 211
RF107R77	16.10 409	0.80 20.4	0.63 15.9	16.26 413	9.13 232	19.49 495	10.04 255	5.67 144	9.72 247

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	5/8 × 5/8 × 3 5/8 *18 x 11 x 110*	3/4 –10 × 1.61 *M20 x 42*
2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	3/4 × 3/4 × 4 1/8 *20 x 12 x 125*	3/4 –10 × 1.61 *M20 x 42*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RF97R57	**Fig. I**	4.72 120	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	1.00 25.5
	Fig. II	4.72 120	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.93 23.5
RF107R77	**Fig. I**	5.51 140	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.93 23.5
	Fig. II	5.51 140	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.79 20

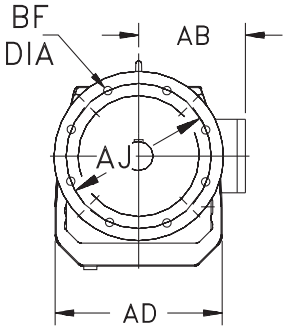
*** Note: See page 33 for applicable tolerances.**

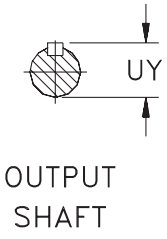
Motor

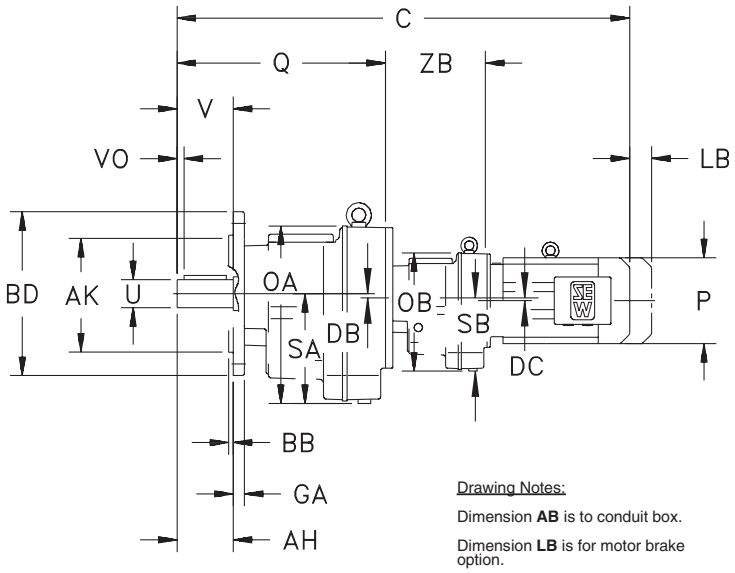
Model		DT				DV				
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275
RF97R57	**C**	33.46 850	35.43 900	36.22 920	38.19 970	39.57 1005	41.46 1053	42.32 1075	— —	— —
RF107R77	**C**	36.81 935	38.78 985	39.49 1003	41.46 1053	42.87 1089	44.65 1134	45.43 1154	47.80 1214	47.80 1214

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	DC	OA	OB	Q	SA	SB	ZB
RF137R77	18.03 458	0.99 25.1	0.63 15.9	19.69 500	9.13 232	23.19 589	12.60 320	5.67 144	9.45 240
RF147R77	21.26 540	1.31 33.4	0.63 15.9	22.48 571	9.13 232	27.36 695	14.21 361	5.67 144	9.13 232
RF147R87	21.26 540	1.31 33.4	0.50 12.6	22.48 571	11.77 299	27.36 695	14.21 361	7.24 184	11.02 280

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
3.625 *90*	4.01 *95*	6.69 *170*	0.63 *5*	$^{7}/_{8} \times {}^{7}/_{8} \times 5^{3}/_{8}$ *25 x 14 x 160*	1 –8 × 2.13 *M24 x 50*
4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
RF137R77	**Option 1**	6.69 170	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	1.10 28
	Option 2	6.69 170	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	1.10 28
RF147R77	**Option 1**	8.27 210	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	1.22 31
	Option 2	8.27 210	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	1.22 31
RF147R87	**Option 1**	8.27 210	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	1.22 31
	Option 2	8.27 210	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	1.22 31

*** Note: See page 33 for applicable tolerances.**

Motor

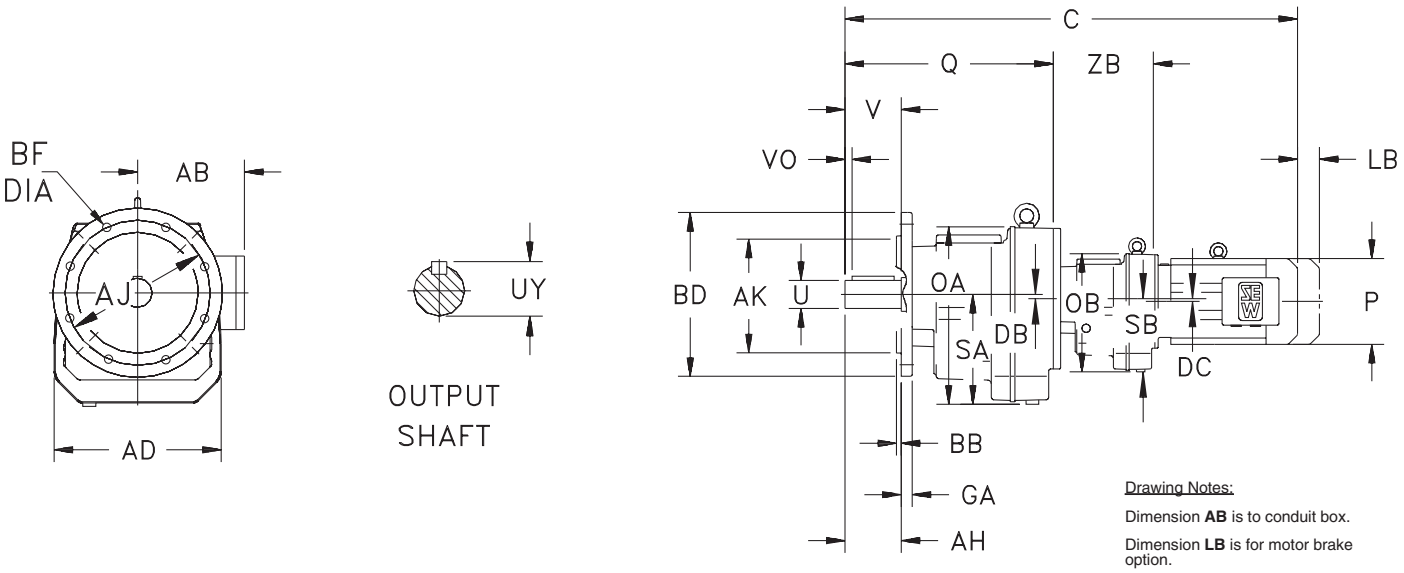
Model		DT				DV						
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331
RF137R77	**C**	40.24 1022	42.20 1072	42.91 1090	44.88 1140	46.30 1176	48.07 1221	48.86 1241	51.22 1301	51.22 1301	— —	— —
RF147R77	**C**	44.09 1120	46.06 1170	46.77 1188	48.74 1238	50.16 1274	51.93 1319	52.72 1339	55.08 1399	55.08 1399	— —	— —
RF147R87	**C**	— —	47.76 1213	48.50 1232	50.47 1282	51.85 1317	53.62 1362	54.41 1382	56.77 1442	56.77 1442	58.66 1490	61.46 1561

Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.

SEW EURODRIVE

Dimensions
Type RF Gearmotors - Flange Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ RX67 and are removable.

Gearcase

Model	AD	DB	DC	OA	OB	Q	SA	SB	ZB
RF167R97	26.38 670	2.36 59.9	0.40 10.2	26.77 680	14.72 374	31.10 790	16.93 430	9.06 230	12.80 325
RF167R107	26.38 670	2.36 59.9	0.80 20.4	26.77 680	16.26 413	31.10 790	16.93 430	10.04 255	15.04 382

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	$1^{1}/_{4} \times 1^{1}/_{4} \times 6^{9}/_{16}$ *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*
4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	$1^{1}/_{4} \times 1^{1}/_{4} \times 6^{9}/_{16}$ *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model	AH	AH	AJ	AK *	BB	BD	BF	GA
RF167R97	**Option 1**	8.27 210	23.62 600	21.654 550	0.24 6	25.98 660	0.87 22	1.26 32
	Option 2	8.27 210	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	1.26 32
RF167R107	**Option 1**	8.27 210	23.62 600	21.654 550	0.24 6	25.98 660	0.87 22	1.26 32
	Option 2	8.27 210	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	1.26 32

*** Note: See page 33 for applicable tolerances.**

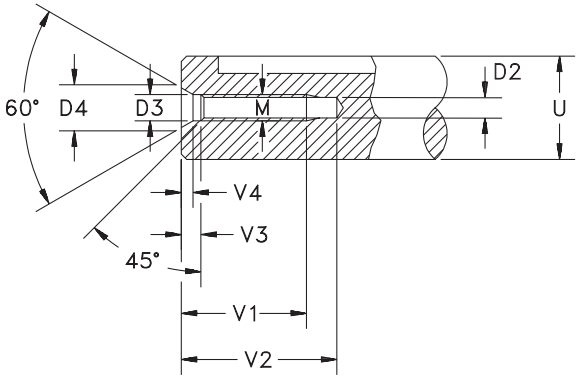
Motor

Model		DT			DV								
		80	90	100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
RF167R97	**C**	52.99 1346	53.78 1366	55.79 1417	57.17 1452	58.94 1497	59.72 1517	62.09 1577	62.09 1577	63.98 1625	66.81 1697	68.66 1744	— —
RF167R107	**C**	— —	— —	57.76 1467	59.17 1503	60.94 1548	61.73 1568	64.09 1628	64.09 1628	65.98 1676	68.82 1748	70.67 1795	73.90 1877

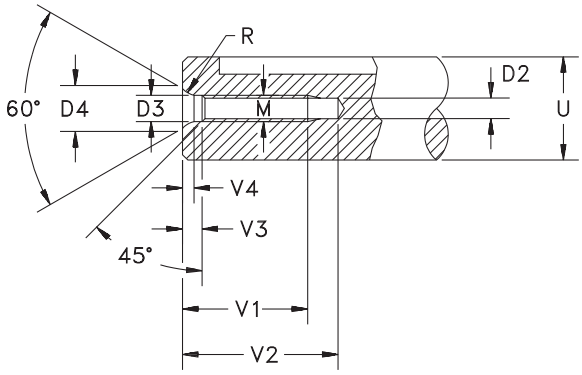
Dimensions are **inch** / **mm**

See page 152 for available output shaft sizes.

Inch Shaft



Metric Shaft



Inch Shaft

Dimensions are inch

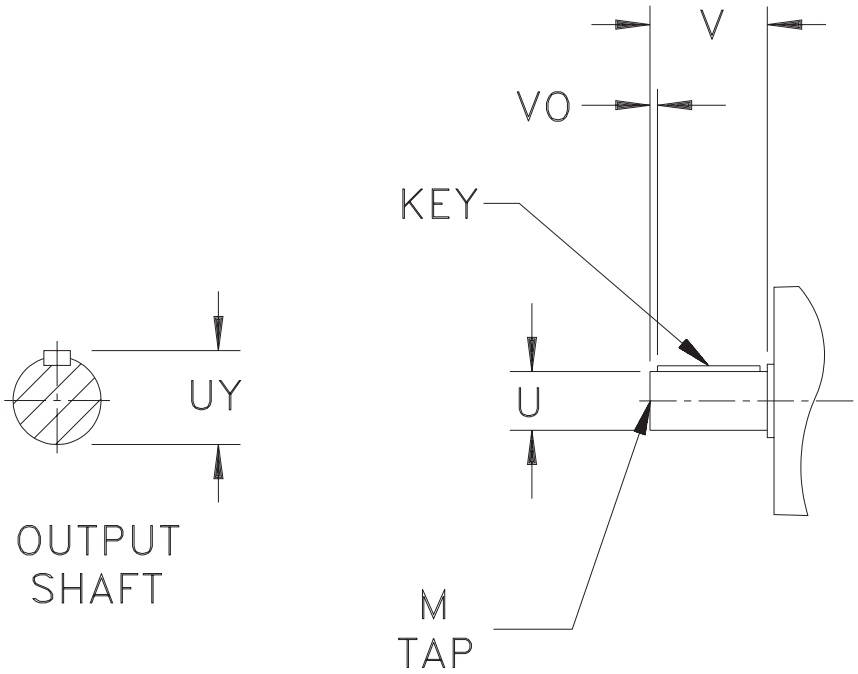
Shaft Diameter - U from	Shaft Diameter - U through[1)]	M	D2	D3	D4	V1 +.079 -0	V2 min.	V3 +.039 -0	V4 approximate
0	13/16	1/4 - 20	0.2086	0.256	0.374	0.630	0.787	0.197	0.102
7/8	15/16	5/16 - 18	0.2638	0.327	0.472	0.866	1.102	0.236	0.126
1	1 1/8	3/8 - 16	0.3189	0.386	0.571	0.866	1.102	0.295	0.169
1 1/4	1 3/8	1/2 - 13	0.4330	0.531	0.768	1.122	1.417	0.374	0.205
1 1/2	1 7/8	5/8 - 11	0.5433	0.654	0.984	1.378	1.772	0.472	0.283
2	3 1/4	3/4 - 10	0.6693	0.795	1.181	1.614	2.047	0.591	0.335
3 3/8	5	1 - 8	0.8858	1.016	1.457	2.126	2.756	0.709	0.394
5 1/16 and over		1 1/8 - 7	0.9844	1.181	1.638	2.441	3.307	0.787	0.394

Metric Shaft

Dimensions are mm

Shaft Diameter - U from	Shaft Diameter - U through[1)]	M	D2	D3	D4	R	V1 +2 -0	V2 min.	V3	V4 approximate
7	10	M3	2.5	3.2	5.3	4.0	9.0	12.0	2.6	1.8
10	13	M4	3.3	4.3	6.7	5.0	10.0	14.0	3.2	2.1
13	16	M5	4.2	5.3	8.1	6.3	12.5	17.0	4.0	2.4
16	21	M6	5.0	6.4	9.6	8.0	16.0	21.0	5.0	2.8
21	24	M8	6.8	8.4	12.2	10.0	19.0	25.0	6.0	3.3
24	30	M10	8.5	10.5	14.9	16.0	22.0	30.0	7.5	3.8
30	38	M12	10.2	13.0	18.1	20.0	28.0	37.0	9.5	4.4
38	50	M16	14.0	17.0	23.0	25.0	36.0	45.0	12.0	5.2
50	85	M20	17.5	21.0	28.4	31.5	42.0	53.0	15.0	6.4
85	130	M24	21.0	25.0	34.2	40.0	50.0	63.0	18.0	8.0
130 and over		M30	26.5	31.0	42.6	50.0	63.0	85.0	20.0	10.0

[1)] up to and including this diameter

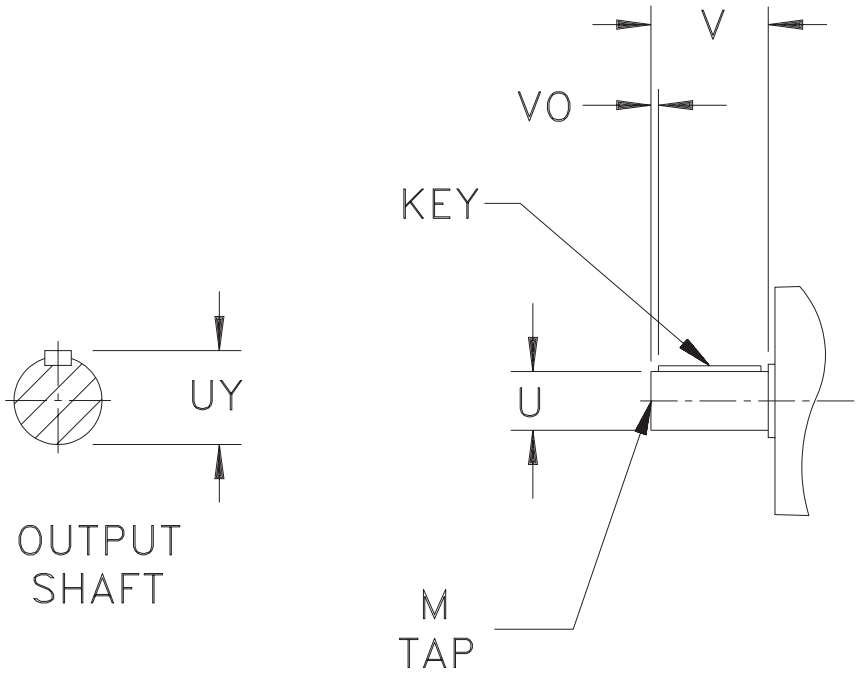


INCH Shafts

Dimensions are inch

Model	U	UY	V	VO	Key	M	Change in length [1]
R/RF17	0.750 $^{+0}_{-.0005}$	0.83	1.57	0.25	$^{3}/_{16} \times {}^{3}/_{16} \times 1{}^{1}/_{16}$	$^{1}/_{4}$ –20 × 0.63	0
R/RF27	1.000 $^{+0}_{-.0005}$	1.11	1.97	0.26	$^{1}/_{4} \times {}^{1}/_{4} \times 1{}^{5}/_{16}$	$^{3}/_{8}$ –16 × 0.87	0
R/RF37[2]	1.000 $^{+0}_{-.0005}$	1.11	1.97	0.26	$^{1}/_{4} \times {}^{1}/_{4} \times 1{}^{5}/_{16}$	$^{3}/_{8}$ –16 × 0.87	0
R/RF47	1.250 $^{+0}_{-.0005}$	1.36	2.36	0.26	$^{1}/_{4} \times {}^{1}/_{4} \times 1{}^{11}/_{16}$	$^{1}/_{2}$ –13 × 1.12	0
R/RF57[2]	1.375 $^{+0}_{-.0005}$	1.51	2.76	0.43	$^{5}/_{16} \times {}^{5}/_{16} \times 1{}^{13}/_{16}$	$^{1}/_{2}$ –13 × 1.12	0
	1.250 $^{+0}_{-.0005}$	1.36	2.36	0.28	$^{1}/_{4} \times {}^{1}/_{4} \times 1{}^{11}/_{16}$	$^{1}/_{2}$ –13 × 1.12	-0.40
R/RF67	1.375 $^{+0}_{-.0005}$	1.51	2.76	0.43	$^{5}/_{16} \times {}^{5}/_{16} \times 1{}^{13}/_{16}$	$^{1}/_{2}$ –13 × 1.12	0
R/RF77[2]	1.625 $^{+0}_{-.001}$	1.79	3.15	0.38	$^{3}/_{8} \times {}^{3}/_{8} \times 2{}^{1}/_{4}$	$^{5}/_{8}$ –11 × 1.38	0
R/RF87[2]	2.125 $^{+0}_{-.001}$	2.35	3.94	0.64	$^{1}/_{2} \times {}^{1}/_{2} \times 2{}^{5}/_{8}$	$^{3}/_{4}$ –10 × 1.61	0
R/RF97[2]	2.375 $^{+0}_{-.001}$	2.65	4.72	0.51	$^{5}/_{8} \times {}^{5}/_{8} \times 3{}^{5}/_{8}$	$^{3}/_{4}$ –10 × 1.61	0
R/RF107[2]	2.875 $^{+0}_{-.001}$	3.20	5.51	0.67	$^{3}/_{4} \times {}^{3}/_{4} \times 4{}^{1}/_{8}$	$^{3}/_{4}$ –10 × 1.61	0
R/RF137[2]	3.625 $^{+0}_{-.001}$	4.01	6.69	0.63	$^{7}/_{8} \times {}^{7}/_{8} \times 5{}^{3}/_{8}$	1 –8 × 2.13	0
R/RF147[2]	4.375 $^{+0}_{-.001}$	4.82	8.27	1.09	1 × 1 × 6	1 –8 × 2.13	0
R/RF167[2]	4.750 $^{+0}_{-.001}$	5.29	8.27	0.82	$1{}^{1}/_{4} \times 1{}^{1}/_{4} \times 6{}^{9}/_{16}$	1 –8 × 2.13	0
RX/RXF57	0.750 $^{+0}_{-.0005}$	0.83	1.57	0.23	$^{3}/_{16} \times {}^{3}/_{16} \times 1{}^{1}/_{16}$	$^{1}/_{4}$ –20 × 0.63	0
RX/RXF67	1.000 $^{+0}_{-.0005}$	1.11	1.97	0.26	$^{1}/_{4} \times {}^{1}/_{4} \times 1{}^{5}/_{16}$	$^{3}/_{8}$ –16 × 0.87	0
RX/RXF77	1.250 $^{+0}_{-.0005}$	1.36	2.36	0.26	$^{1}/_{4} \times {}^{1}/_{4} \times 1{}^{11}/_{16}$	$^{1}/_{2}$ –13 × 1.12	0
	1.625 $^{+0}_{-.001}$	1.79	3.15	0.38	$^{3}/_{8} \times {}^{3}/_{8} \times 2{}^{1}/_{4}$	$^{5}/_{8}$ –11 × 1.38	0.79
RX/RXF87	1.625 $^{+0}_{-.001}$	1.79	3.15	0.38	$^{3}/_{8} \times {}^{3}/_{8} \times 2{}^{1}/_{4}$	$^{5}/_{8}$ –11 × 1.38	0
	1.750 $^{+0}_{-.001}$	1.92	3.54	0.38	$^{3}/_{8} \times {}^{3}/_{8} \times 2{}^{3}/_{4}$	$^{5}/_{8}$ –11 × 1.38	0.39
RX/RXF97	2.125 $^{+0}_{-.001}$	2.35	3.94	0.64	$^{1}/_{2} \times {}^{1}/_{2} \times 2{}^{5}/_{8}$	$^{3}/_{4}$ –10 × 1.61	0
RX/RXF107	2.375 $^{+0}_{-.001}$	2.65	4.72	0.51	$^{5}/_{8} \times {}^{5}/_{8} \times 3{}^{5}/_{8}$	$^{3}/_{4}$ –10 × 1.61	0

[1] When compared to standard shaft as shown in dimension pages.
[2] Output shafts are available to match old style Fig. I flange “AH” dimensions. Contact your SEW-Eurodrive Assembly Center for information.



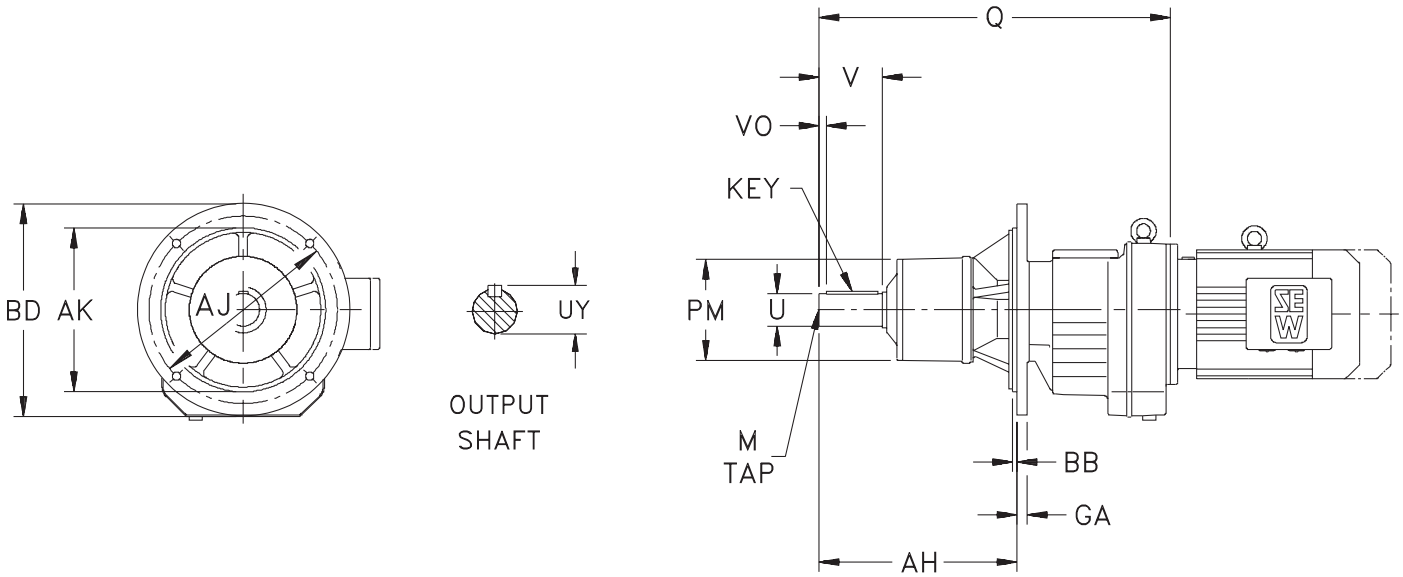
METRIC Shafts

Dimensions are mm

Model	U	UY	V	VO	Key	M
R/RF17	$20^{+.012}_{+.001}$	22.5	40	4	6 x 6 x 32	M6 x 16
R/RF27	$25^{+.015}_{+.002}$	28	50	3.5	8 x 7 x 40	M10 x 22
R/RF37[1)]	$25^{+.015}_{+.002}$	28	50	3.5	8 x 7 x 40	M10 x 22
R/RF47	$30^{+.015}_{+.002}$	33	60	3.5	8 x 7 x 50	M10 x 22
R/RF57[1)]	$35^{+.018}_{+.002}$	38	70	7	10 x 8 x 56	M12 x 28
	$30^{+.015}_{+.002}$	33	70	7	8 x 7 x 50	M10 x 22
R/RF67	$35^{+.018}_{+.002}$	38	70	7	10 x 8 x 56	M12 x 28
R/RF77[1)]	$40^{+.018}_{+.002}$	43	80	5	12 x 8 x 70	M16 x 36
R/RF87[1)]	$50^{+.018}_{+.002}$	53.5	100	10	14 x 9 x 80	M16 x 36
R/RF97[1)]	$60^{+.030}_{+.011}$	64	120	5	18 x 11 x 110	M20 x 42
R/RF107[1)]	$70^{+.030}_{+.011}$	74.5	140	7.5	20 x 12 x 125	M20 x 42
R/RF137[1)]	$90^{+.035}_{+.013}$	95	170	5	25 x 14 x 160	M24 x 50
R/RF147[1)]	$110^{+.035}_{+.013}$	116	210	15	28 x 16 x 180	M24 x 50
R/RF167[1)]	$120^{+.035}_{+.013}$	127	210	5	32 x 18 x 200	M24 x 50
RX/RXF57	$20^{+.012}_{+.001}$	22.5	40	3.5	6 x 6 x 32	M6 x 16
RX/RXF67	$25^{+.015}_{+.002}$	28	50	3.5	8 x 7 x 40	M10 x 22
RX/RXF77	$30^{+.015}_{+.002}$	33	60	3.5	8 x 7 x 50	M10 x 22
	$40^{+.018}_{+.002}$	43	60	3.5	12 x 8 x 70	M16 x 36
RX/RXF87	$40^{+.018}_{+.002}$	43	80	5	12 x 8 x 70	M16 x 36
	$45^{+.018}_{+.002}$	48.5	80	5	14 x 9 x 80	M16 x 36
RX/RXF97	$50^{+.018}_{+.002}$	53.5	100	10	14 x 9 x 80	M16 x 36
RX/RXF107	$60^{+.030}_{+.011}$	64	120	5	18 x 11 x 110	M20 x 42

[1)] Output shafts are available to match old style Fig. I flange “AH” dimensions. Contact your SEW-Eurodrive Assembly Center for information.

Dimensions
Type RM - Flange Mounted Agitator Type



Gearcase	Flange						
Model	**Q**	**AH**	**AJ**	**AK**	**BB**	**BD**	**GA**	**PM**
RM57	16.54 420	9.06 230	8.46 215	7.09 180	0.16 4	9.84 250	0.59 15	5.31 135
RM67	18.07 459	9.45 240	10.43 265	9.06 230	0.16 4	11.81 300	0.63 16	5.67 144
RM77	20.75 527	11.81 300	11.81 300	9.84 250	0.20 5	13.78 350	0.71 18	6.69 170
RM87	25.16 639	14.17 360	11.81 300	9.84 250	0.20 5	13.78 350	0.71 18	7.32 186
RM97	29.33 745	16.54 420	15.75 400	13.78 350	0.20 5	17.72 450	0.87 22	8.43 214
RM107	34.02 864	19.69 500	19.69 500	17.72 450	0.20 5	21.65 550	0.98 25	9.13 232
RM137	40.31 1024	23.62 600	19.69 500	17.72 450	0.20 5	21.65 550	0.98 25	9.96 253
RM147	45.43 1154	25.98 660	23.62 600	21.65 550	0.24 6	25.98 660	1.10 28	10.79 274
RM167	51.69 1313	28.74 730	23.62 600	21.65 550	0.24 6	25.98 660	1.10 28	11.42 290

Output Shaft *Metric Series*

Model	U	UY	V	VO	Key	M
RM57	— *35*	— *38*	— *70*	— *5*	— *10 x 8 x 60*	— *M12 x 28*
RM67	— *40*	— *43*	— *80*	— *5*	— *12 x 8 x 70*	— *M16 x 36*
RM77	— *50*	— *53.5*	— *100*	— *10*	— *14 x 9 x 80*	— *M16 x 36*
RM87	— *60*	— *64*	— *120*	— *10*	— *18 x 11 x 100*	— *M20 x 42*
RM97	— *70*	— *74.5*	— *140*	— *7.5*	— *20 x 12 x 110*	— *M20 x 42*
RM107	— *80*	— *85*	— *170*	— *20*	— *22 x 14 x 125*	— *M20 x 42*
RM137	— *100*	— *106*	— *210*	— *15*	— *28 x 16 x 180*	— *M24 x 50*
RM147	— *110*	— *116*	— *210*	— *15*	— *28 x 16 x 180*	— *M24 x 50*
RM167	— *125*	— *134*	— *210*	— *5*	— *32 x 18 x 200*	— *M24 x 50*

Dimensions are $\frac{\text{inch}}{\text{mm}}$

Reference appropriate Gearmotor dimension sheets for additional gearmotor dimensions.

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Technical Data
Weights

Listed below are weights for complete units less oil. Reducer weights less input cover are shown in the **Gear Unit** chart and combined reducer and motor weights are shown in the **Gearmotor** chart. For flanged reducers as well as gearmotors add the flange weight shown in the **Gear Unit** chart (a negative value must be subtracted). For brakemotors add the brake weight listed at the bottom of the **Gearmotor** chart.

Note: Oil weighs approximately 7.5 lbs/gallon (2 lb/liter). Reference Lubrication Sheet for volume of oil required. All weights in lbs.

Note: All weights listed are approximations based on the heaviest unit of the type listed.

		Add for
Model	**Reducer**	**RF**
RX57	20	4
RX67	26	9
RX77	44	7
RX87	77	11
RX97	128	15
RX107	194	33
R17	—	0
R27	8	0
R27R17	—	0
R37	21	3
R37R17	—	3
R47	29	0
R47R37	53	0
R57	42	7
R57R37	66	7
R67	55	7
R67R37	82	7
R77	66	13
R77R37	93	13
R87	121	16
R87R57	179	16
R97	209	36
R97R57	276	36
R107	331	13
R107R77	430	13
R137	507	55
R137R77	617	55
R147	783	19
R147R77	915	19
R147R87	948	19
R167	1323	9
R167R97	1632	9
R167R107	1720	9

	DT				DV			
Model	**71**	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**
RX57	35	42	57	82	97	108	—	—
RX67	42	49	64	88	104	115	165	—
RX77	—	—	84	108	121	137	183	203
RX87	—	—	—	146	157	170	218	243
RX97	—	—	—	—	—	232	276	298
RX107	—	—	—	—	—	298	342	364
R17	20	26	—	—	—	—	—	—
R27	22	29	44	66	—	—	—	—
R27R17	—	—	—	—	—	—	—	—
R37	35	42	55	77	—	—	—	—
R37R17	40	—	—	—	—	—	—	—
R47	44	51	66	90	106	117	—	—
R47R37	—	—	—	—	—	—	—	—
R57	55	62	79	104	117	128	192	—
R57R37	79	—	—	—	—	—	—	—
R67	71	77	93	115	130	141	192	—
R67R37	93	—	—	—	—	—	—	—
R77	84	93	106	130	143	157	203	221
R77R37	106	110	—	—	—	—	—	—
R87	—	150	163	190	201	214	265	276
R87R57	192	198	212	—	—	—	—	—
R97	—	243	254	276	298	309	353	375
R97R57	287	298	309	320	—	—	—	—
R107	—	—	—	408	419	430	474	496
R107R77	441	452	463	496	507	—	—	—
R137	—	—	—	—	—	650	673	684
R137R77	639	650	662	684	695	717	—	—
R147	—	—	—	—	—	—	—	970
R147R77	926	937	948	970	981	1003	—	—
R147R87	—	—	992	1025	1036	1047	1091	1103
R167	—	—	—	—	—	—	—	—
R167R97	—	1654	1676	1698	1720	1720	1764	1786
R167R107	—	—	—	—	—	—	—	—
Add for Brake	6	6	22	22	26	33	53	55
Add for Double Disc Brake	—	—	—	—	—	—	—	—

	DV							D				
Model	**160M**	**160L**	**180M**	**180L**	**200**	**225S**	**225M**	**250M**	**280S**	**280M**	**315S**	**315M**
RX57	—	—	—	—	—	—	—	—	—	—	—	—
RX67	—	—	—	—	—	—	—	—	—	—	—	—
RX77	212	—	—	—	—	—	—	—	—	—	—	—
RX87	243	331	441	474	—	—	—	—	—	—	—	—
RX97	298	397	507	529	650	—	—	—	—	—	—	—
RX107	375	463	573	606	728	838	893	—	—	—	—	—
R17	—	—	—	—	—	—	—	—	—	—	—	—
R27	—	—	—	—	—	—	—	—	—	—	—	—
R27R17	—	—	—	—	—	—	—	—	—	—	—	—
R37	—	—	—	—	—	—	—	—	—	—	—	—
R37R17	—	—	—	—	—	—	—	—	—	—	—	—
R47	—	—	—	—	—	—	—	—	—	—	—	—
R47R37	—	—	—	—	—	—	—	—	—	—	—	—
R57	—	—	—	—	—	—	—	—	—	—	—	—
R57R37	—	—	—	—	—	—	—	—	—	—	—	—
R67	—	—	—	—	—	—	—	—	—	—	—	—
R67R37	—	—	—	—	—	—	—	—	—	—	—	—
R77	232	—	—	—	—	—	—	—	—	—	—	—
R77R37	—	—	—	—	—	—	—	—	—	—	—	—
R87	287	375	485	518	—	—	—	—	—	—	—	—
R87R57	—	—	—	—	—	—	—	—	—	—	—	—
R97	386	474	573	606	728	—	—	—	—	—	—	—
R97R57	—	—	—	—	—	—	—	—	—	—	—	—
R107	507	595	706	739	849	959	1014	—	—	—	—	—
R107R77	—	—	—	—	—	—	—	—	—	—	—	—
R137	695	783	893	926	1047	1147	1213	1455	—	—	—	—
R137R77	—	—	—	—	—	—	—	—	—	—	—	—
R147	981	1058	1169	1213	1323	1433	1499	1764	2073	2205	—	—
R147R77	—	—	—	—	—	—	—	—	—	—	—	—
R147R87	1125	—	—	—	—	—	—	—	—	—	—	—
R167	1544	1610	1720	1764	1874	1985	2051	2337	2624	2778	3197	3418
R167R97	1808	—	—	—	—	—	—	—	—	—	—	—
R167R107	1896	1985	—	—	—	—	—	—	—	—	—	—
Add for Brake	55	93	90	93	112	112	115	—	—	—	—	—
Add for Double Disc Brake	—	—	99	101	121	121	123	—	—	—	—	—

Each gear unit is supplied from the factory with the correct grade and quantity of lubricant for the specified mounting position. The following lubricants are supplied from our North American Facilities. Under special circumstances such as high or low ambient temperatures optional oils should be used.

Standard Oil

USA			
Gear Units	**Type**	**Manufacturer**	**Ambient Temperature °C**
R..17 – 167	Mobilgear 630 [M]	Mobil Oil Corp.	0 to +40
CANADA			
R..17	Tribol 800/220 [S]	Shell Oil Co.	0 to +40
R..27 – 167	Omala 220 [M]	Shell Oil Co.	0 to +40

[M]Mineral Oil
[S] Synthetic Oil

Optional Oil

USA			
Gear Units	**Type**	**Manufacturer**	**Ambient Temperature °C**
R..17 – 167	Mobilgear 629 [M]	Mobil Oil Corp.	-15 to +25
R..17 – 167	Mobil SHC630 [S]		-40 to +40
R..17 – 167	Mobil SHC629 [S]		-30 to +50
CANADA			
R..27 – 167	Omala RL220 [S]	Shell Oil Co.	-30 to +80

[M]Mineral Oil
[S] Synthetic Oil

For ball and roller bearings of gear units the following greases are recommended:

Mineral Grease

Type	Manufacturer	Ambient Temperature °C
Mobilux EP2	Mobil Oil Corp.	-20 to +40
Alvania Grease R3	Shell Oil Co.	-30 to +60

Synthetic Grease

Type	Manufacturer	Ambient Temperature °C
Mobiltemp SHC 32	Mobil Oil Corp.	-45 to +60

The approximate lubricant in US **gallons and liters** per mounting position is as follows:

Gear Unit	Mounting Position											
	M1 [1]		M2 [1]		M3 [2]		M4		M5 [2]		M6 [2]	
	Gallons	Liters	Gallons	Liters	Gallons	Liters	Gallons	Liters	Gallons	Liters	Gallons	Liters
RX57	0.16	0.6	0.21	0.8	0.34	1.3	0.34	1.3	0.24	0.9	0.24	0.9
RX67	0.21	0.8	0.21	0.8	0.45	1.7	0.50	1.9	0.29	1.1	0.29	1.1
RX77	0.29	1.1	0.40	1.5	0.69	2.6	0.71	2.7	0.42	1.6	0.42	1.6
RX87	0.45	1.7	0.66	2.5	1.27	4.8	1.27	4.8	0.77	2.9	0.77	2.9
RX97	0.55	2.1	0.90	3.4	1.96	7.4	1.85	7	1.27	4.8	1.27	4.8
RX107	1.03	3.9	1.48	5.6	3.06	11.6	3.14	11.9	2.03	7.7	2.03	7.7
RXF57	0.13	0.5	0.21	0.8	0.29	1.1	0.29	1.1	0.18	0.7	0.18	0.7
RXF67	0.18	0.7	0.21	0.8	0.40	1.5	0.45	1.7	0.26	1	0.26	1
RXF77	0.24	0.9	0.40	1.5	0.63	2.4	0.66	2.5	0.42	1.6	0.42	1.6
RXF87	0.42	1.6	0.66	2.5	1.29	4.9	1.24	4.7	0.77	2.9	0.77	2.9
RXF97	0.55	2.1	0.95	3.6	1.88	7.1	1.85	7	1.27	4.8	1.27	4.8
RXF107	0.82	3.1	1.56	5.9	2.96	11.2	2.77	10.5	1.90	7.2	1.90	7.2
R17/R17F	0.07	0.25	0.16	0.6	0.09	0.35	0.16	0.6	0.09	0.35	0.09	0.35
R27/R27F	0.07 (0.11)	0.25 (0.4)	0.18	0.7	0.11	0.4	0.18	0.7	0.11	0.4	0.11	0.4
R37/R37F	0.08 (0.26)	0.3 (1)	0.24	0.9	0.26	1	0.29	1.1	0.21	0.8	0.26	1
R47/R47F	0.18 (0.40)	0.7 (1.5)	0.42	1.6	0.40	1.5	0.45	1.7	0.40	1.5	0.40	1.5
R57/R57F	0.21 (0.45)	0.8 (1.7)	0.50	1.9	0.45	1.7	0.55	2.1	0.45	1.7	0.45	1.7
R67/R67F	0.29 (0.61)	1.1 (2.3)	0.69 (0.92)	2.6 (3.5)	0.74	2.8	0.85	3.2	0.48	1.8	0.53	2
R77/R77F	0.32 (0.79)	1.2 (3)	1.00 (1.14)	3.8 (4.3)	0.95	3.6	1.14	4.3	0.66	2.5	0.90	3.4
R87/R87F	0.61 (1.59)	2.3 (6)	1.77 (2.22)	6.7 (8.4)	1.90	7.2	2.03	7.7	1.66	6.3	1.72	6.5
R97	1.22 (2.59)	4.6 (9.8)	3.09 (3.70)	11.7 (14)	3.09	11.7	3.54	13.4	2.99	11.3	3.09	11.7
R107	1.59 (3.62)	6 (13.7)	4.31	16.3	4.46	16.9	5.07	19.2	3.49	13.2	4.20	15.9
R137	2.64 (6.61)	10 (25)	7.40	28	7.79	29.5	8.32	31.5	6.61	25	6.61	25
R147	4.07 (10.57)	15.4 (40)	12.29	46.5	12.68	48	13.74	52	10.44	39.5	10.83	41
R167	7.13 (18.49)	27 (70)	21.66	82	20.61	78	23.25	88	17.44	66	18.23	69
RF17	0.07	0.25	0.16	0.6	0.09	0.35	0.16	0.6	0.09	0.35	0.09	0.35
RF27	0.07 (0.11)	0.25 (0.4)	0.18	0.7	0.11	0.4	0.18	0.7	0.11	0.4	0.11	0.4
RF37	0.11 (0.26)	0.4 (1)	0.24	0.9	0.26	1	0.29	1.1	0.21	0.8	0.26	1
RF47	0.18 (0.40)	0.7 (1.5)	0.42	1.6	0.40	1.5	0.45	1.7	0.40	1.5	0.40	1.5
RF/RM57	0.21 (0.45)	0.8 (1.7)	0.48	1.8	0.45	1.7	0.53	2	0.45	1.7	0.45	1.7
RF/RM67	0.32 (0.66)	1.2 (2.5)	0.71 (0.95)	2.7 (3.6)	0.71	2.7	0.82	3.1	0.50	1.9	0.55	2.1
RF/RM77	0.32 (0.69)	1.2 (2.6)	1.00 (1.08)	3.8 (4.1)	0.87	3.3	1.08	4.1	0.63	2.4	0.79	3
RF/RM87	0.63 (1.59)	2.4 (6)	1.8 (2.09)	6.8 (7.9)	1.88	7.1	2.03	7.7	1.66	6.3	1.69	6.4
RF/RM97	1.35 (2.69)	5.1 (10.2)	3.14 (3.70)	11.9 (14)	2.96	11.2	3.70	14	2.96	11.2	3.12	11.8
RF/RM107	1.66 (3.94)	6.3 (14.9)	4.20	15.9	4.49	17	5.07	19.2	3.46	13.1	4.20	15.9
RF/RM137	2.51 (6.61)	9.5 (25)	7.13	27	7.66	29	8.59	32.5	6.61	25	6.61	25
RF/RM147	4.33 (11.10)	16.4 (42)	12.42	47	12.68	48	13.74	52	11.10	42	11.10	42
RF/RM167	6.87 (18.49)	26 (70)	21.66	82	20.61	78	23.25	88	17.17	65	18.76	71

[1] On compound gear units the primary (larger) gear unit is provided with the oil quantity in parenthesis.

[2] On compound gear units having mounting positions M3, M5, or M6 the secondary (smaller) gear unit is provided with the oil filling of the M1 flanged mounting position.

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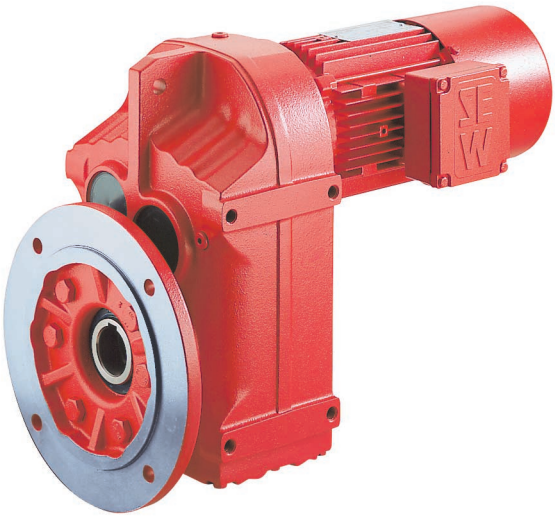
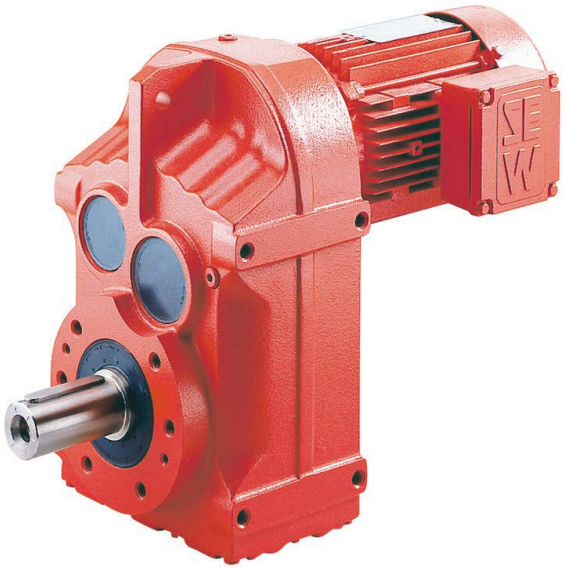
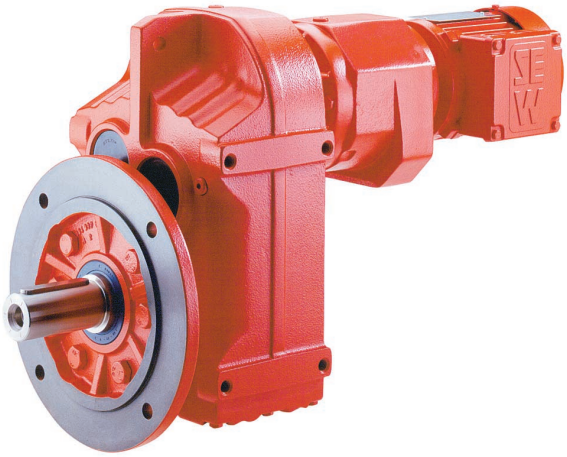
FA..DT../DV..



FAF..DT../DV..



F..DT../DV..



FF..R..DT../DV..

Introduction

The SEW-Eurodrive theSNUGGLER® Helical Gear Units are designed for continuous duty under difficult operating conditions. Only materials of the highest quality are used in the manufacture of the units. These units have the following standard construction features:

- Helical gearing in compliance with ANSI/AGMA Standard 2001-B88.
- Gears are carburized to a hardness of 58 - 62 R_C for durability.
- Gearcase and flanges of high strength gray cast iron SAE Class 30.
- Double-lip oil seals on output shaft with additional inner seal made of Viton®.
- Captured keys on input shafts.
- Foot mounted, flange mounted, foot/flange mounted, shaft mounted, flange mounted with hollowshaft, or shaft/flange/foot mounted.
- Integral torque arm.

Efficiency

The efficiency of the gear units is primarily determined by the gearing and bearing friction, and ranges from approximately 95% for 3 stages of gear reduction to 97% for 2 stages of gear reduction.

Output Power, Torque, and Speed

The details on power, torque, and speed given in the selection tables always refer to the mounting position M1 or similar mounting position for standard features, standard ambient conditions, and standard lubricants. The output speeds have been rounded up or down. The actual output speed may vary slightly due to the motor frame size, the loading, or the supply voltage.

Design Variations

Additional features available for theSNUGGLER® Gear Units are:

- Adapters for IEC or NEMA C-Face motors.
- Motor mounting platforms and scoops.
- Adapters for torque limiting couplings.
- Corrosion protection.
- Shrink disc shaft mounting

Please contact your SEW-Eurodrive representative for additional information.

Abbreviations

The following abbreviations are used in the selection tables:

f_B	Service Factor
F_{Ra}	Permissible output overhung load (lb) at the midpoint of the output shaft extension
F_{Re}	Permissible input overhung load (lb) at the midpoint of the input shaft extension
i	Gear unit ratio
n_a	Output speed in rpm
n_e	Input speed in rpm
P_a	Rated output power (HP)
P_e	Calculated power input into the gear unit (HP) P_e is calculated from $T_{a\ max}$ by taking into account the gear units' efficiency under standard operating conditions. For calculated P_e less than .2HP, a dash (—) is shown in the respective selection tables since the actual values are subject to large variations.
P_n	Motor rated power (HP)
T_a	Output torque (lb-in.) with reference to the driving motor
$T_{a\ max}$	Maximum permissible output torque (lb-in.) at $f_B = 1.0$

Dimension Page Notes

The dimension sheets are valid for standard units with various basic features. In particular, motor accessories such as canopies, ventilators, etc. will alter the basic dimensions. Please refer to the respective accessory dimension pages for additional dimensions.

Motors from frame size DV112 are supplied with lifting eye bolts which can be removed. Smaller motors do not have lifting eye bolts.

Certified dimension sheets are available from your SEW-Eurodrive Assembly Center.

Viton® is a registered trademark of DuPont Dow Elastomers

Unit Selection

In order to select the most suitable gear unit it is essential that a thorough knowledge of the characteristics of the driven machine are known. The gear units are normally designed for constant torque load and only a few starts/stops. If these conditions do not exist, it is necessary to determine a service factor, f_B, from the start/stop frequency, Load Class, and the daily operating time as shown in the diagram below.

For gearmotors, the appropriate service factor taken from the diagram is then compared with the service factor given with each speed/power combination listed in the gearmotor selection tables. To ensure a long, trouble free service life it is essential that the unit selected has a service factor equal to, or greater than, that determined from the diagram.

Load Classification

I = Uniform load. Permissible inertia acceleration factor ≤0.2

II = Moderate shock load. Permissible inertia acceleration factor ≤3.0

III = Heavy shock load. Permissible inertia acceleration factor ≤10

For inertia acceleration factor > 10, please contact your nearest SEW-Eurodrive representative.

Inertia acceleration factor = $\frac{J_L}{J_m}$

Where: J_L = Reflected Load Inertia
J_m = Motor Inertia

All external load inertias, J, must be reflected back to the input side of the gear unit.

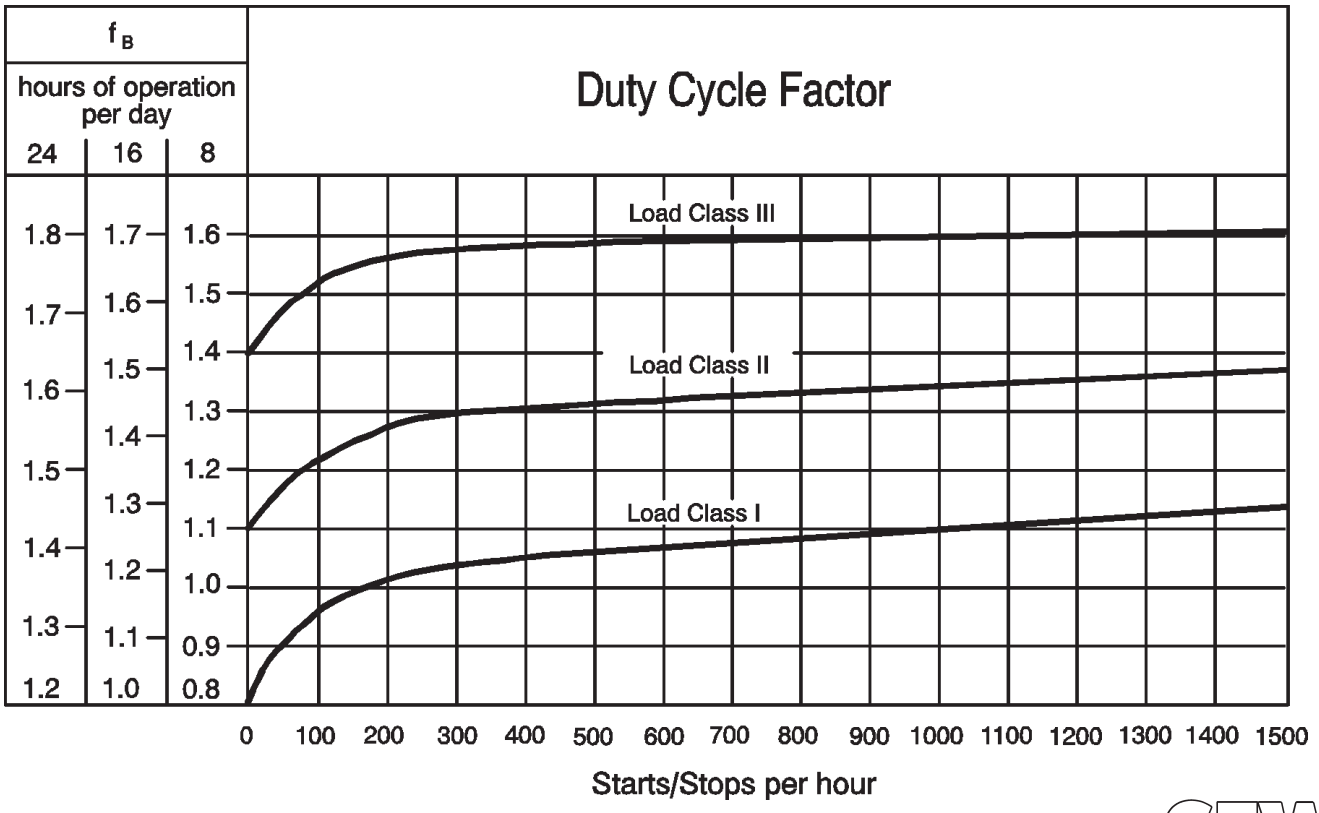
Example: $J_L = J \times \frac{1}{(\text{Gear Ratio})^2}$

Included in the number of starts and stops per hour must be all regenerative brake actions and the speed changes from high to low speed as experienced with multi-speed motors.

Example: Load Class I with 200 starts and stops per hour and operating time of 24 hours per day gives $f_B = 1.36$.

AGMA

For Service Factors using AGMA criteria, please refer to the guidelines on page 35 .



OHL and Axial Shaft Loads

Overhung loads, OHL, are a combination of live loads acting at right angles to the drive shaft caused by gears, sprockets, pulleys, couplings, etc., as well as dead loads applied directly to the shaft.

These overhung loads subject shaft bearings and shafts to stresses which, if exceeded, may cause premature failure of bearings and/or shaft breakage from bending fatigue.

Determination of Overhung Load - OHL

When determining the resulting overhung load, the type of transmission element mounted on the shaft end must be considered and a transmission element factor, f_z, must be included. The overhung load exerted on the output or input shafts can be then calculated from the following formula. The resultant overhung load F must not exceed the permissible overhung load F_{Ra} for the selected gear unit.

$$F = \frac{2T}{d_o} \cdot f_z$$

F = equivalent OHL in lbs.
T = load torque on the drive in lb-in.
d_o = pitch diameter of the gear, sprocket, or sheave in inches
f_z = transmission element factor

The transmission element factor, f_z, takes into account an additional radial force that is imposed on the shaft due to the type of transmission element: gear, chain sprocket, or sheave. There are gear teeth separating forces, pre-tensioning of belts, etc. that must be taken into account to determine the total equivalent radial loads. From applicational experience the following values of f_z should be used:

Transmission Element	Comments	f_z Factor
Spur or helical gears	17 teeth	1.0
	< 17 teeth	1.15
Chain sprockets	20 teeth	1.0
	< 20 teeth	1.25
	< 13 teeth	1.4
V-belt pulleys		1.75
Flat belt pulleys		2.5
Timing belt pulleys		1.3

Permissible Output Shaft Loads

The output shaft of the SEW-Eurodrive gear units are capable of accepting the axial and radial loads normally encountered by the mounting of gears, chain sprockets, belt pulleys, and shaft couplings. The permissible OHL under the most unfavorable conditions which can be applied at the midpoint of the shaft extensions for the gear unit type F is shown in the respective speed/power selection tables as F_{Ra} in lbs. When the force is not applied at the midpoint of the shaft extension the F_{Ra} value must be adjusted according to the OHL conversion formulas.

It is possible in some instances for the OHL capacity to be substantially increased if the exact direction of the radial force is known. In such instances it is essential that full details be given to our engineering department to check the suitability of the unit selected.

For permissible axial loads for gear unit type F, please submit full details to our engineering department.

Output OHL Conversion

If the resultant OHL acts at a point other than at the midpoint of the output shaft extension, the permissible OHL, F_X, must be determined at the application point of the load according to the following formula:

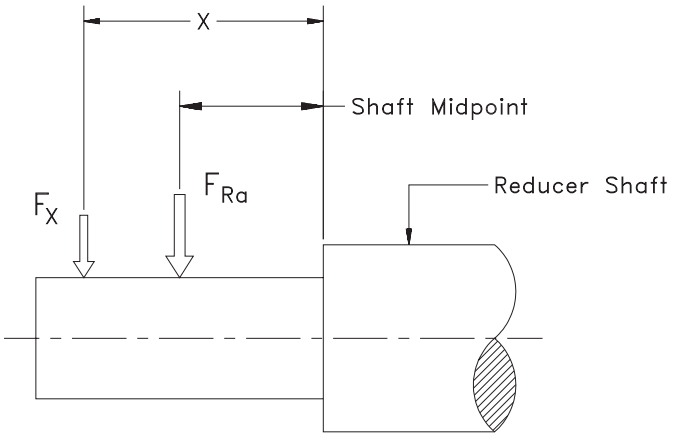
F_{Ra}-(lb.) Permissible overhung load at the midpoint of the output shaft extension—see selection tables.
X-(in.) Distance from the shoulder on the output shaft to the application point of load.
F_X-(lb.) Permissible overhung load at the point X
a-(lb-in.) Gear unit constant - see chart for values.
b,c,d-(in.) Gear unit constant - see chart for values.

The permissible OHL is the smaller of the two values obtained from the following formulae, F_{XL} and F_{XW}, and is denoted as F_X. The permissible OHL, F_X, **must be** greater than the calculated equivalent overhung load, F.

$$\text{Permissible OHL, } F_{XL} = F_{Ra} \cdot \frac{c}{d + x} \text{ (lb)}$$

$$\text{Permissible OHL based on shaft stress, } F_{XW} = \frac{a \times 10^3}{b + x} \text{ (lb)}$$

Note: F_{XW} applies only when reducer torque, T_a, is maximum.



Frame Size	a lb-in.	b in.	c in.	d in.
F 37	0.95	0	4.86	3.88
F 47	1.58	0	6.04	4.86
F 57	4.86	1.26	6.72	5.34
F 67	3.65	0	7.14	5.56
F 77	6.96	0	8.50	6.53
F 87	10.53	0	10.35	7.99
F 97	18.50	0	13.78	11.02
F 107	37.44	0	14.70	11.36
F 127	83.63	0	17.42	13.29
F 157	92.93	0	20.16	16.02

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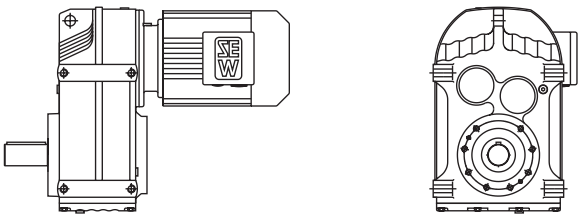
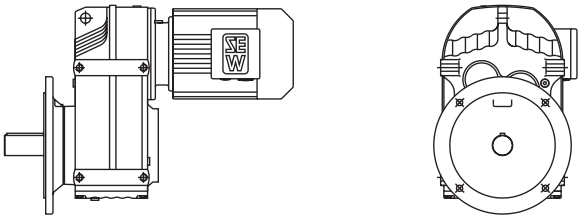


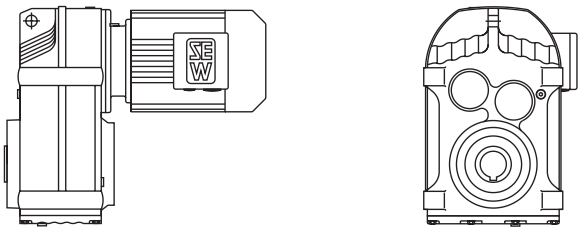
F

Solid shaft
Rail mount with tapped holes



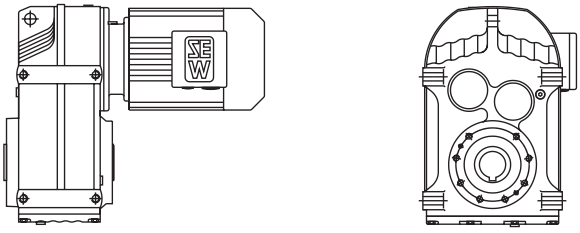
FF

Solid shaft
Flange mount (D & B5 style flange with through holes)



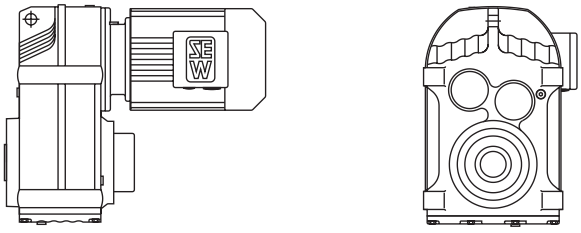
FA

Hollowshaft with key
Shaft mount



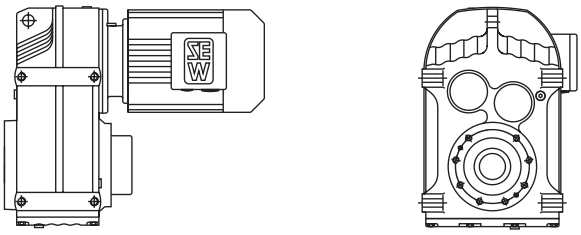
FA..B

Hollowshaft with key
Rail mount with tapped holes



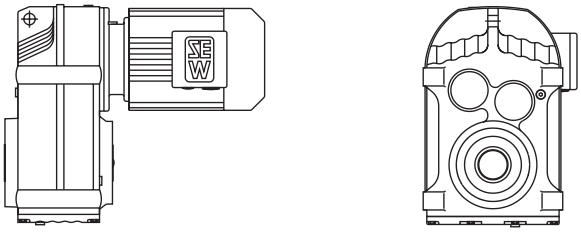
FH

Shrink disc hollowshaft
Shaft mount



FH..B

Shrink disk hollowshaft
Rail mount with tapped holes

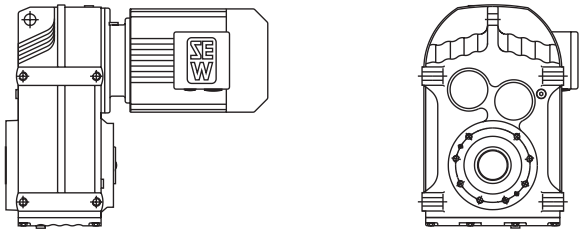


FV

Splined hollowshaft (DIN 5480)
Shaft mount

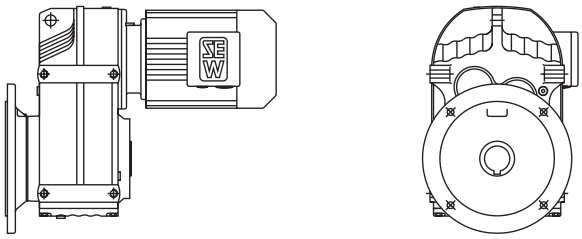
FV..B

Splined hollowshaft (DIN 5480)
Rail mount with tapped holes



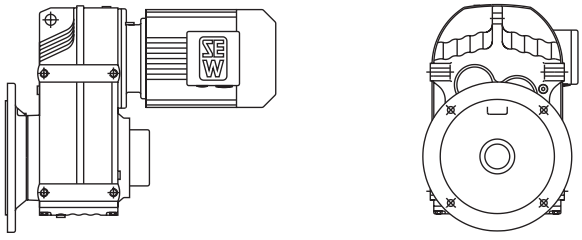
FAF

Hollowshaft with key
Flange mount (D & B5 style flange with through holes)



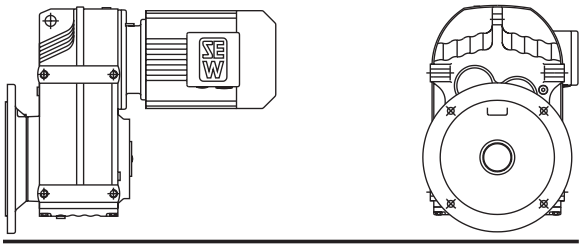
FHF

Shrink disc hollowshaft
Flange mount (D & B5 style flange with through holes)



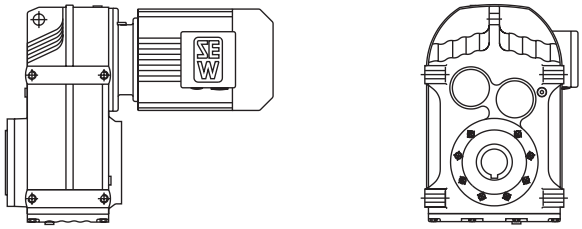
FVF

Splined hollowshaft (DIN5480)
Flange mount (D & B5 style flange with through holes)



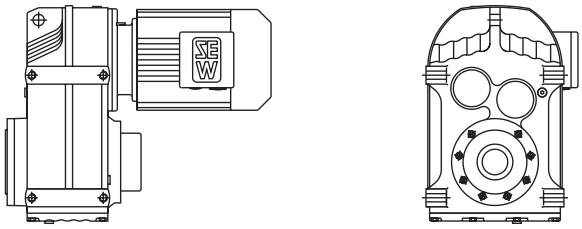
FAZ

Hollowshaft with key
Face mount (C & B14 style flange with tapped holes)



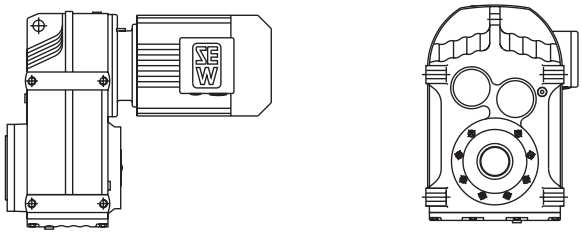
FHZ

Shrink disc hollowshaft
Face mount (C & B14 style flange with tapped holes)



FVZ

Splined hollowshaft (DIN 5480)
Face mount (C & B14 style flange with tapped holes)



Compatibility
SEW motors - Pinion gear bore diameters

The gearmotor selection tables show a wide range of motor and gear unit combinations for single speed motors. When it is necessary to substitute a motor for one shown in the selection tables (e.g. two-speed motors) the following chart lists the possible combinations by gear unit ratios. Where no ratio is shown for a desired motor frame, then either the pinion gear bore is not available or the required motor to gearcase flange is not available. In all cases when substituting motors, the gear units torque capacity should not be exceeded. This applies to all mounting options.

Gear Unit Size	Stages	Permissible Ratios for Motor Frame Size					
		DT71	DT80	DT90	DT100	DV112	DV132S
		Pinion Gear Bore Diameter — mm					
		10	12	14	16	18	22
F..37	2	4.22 - 7.44 8.97 - 23.63	3.77 - 23.63	3.77 - 20.57	3.77 - 6.74 8.01 - 14.33 17.03		
	3	23.88 - 128.51	23.88 - 100.36	23.88 - 51.70 58.32 - 86.53	23.88 - 31.69 38.31/51.70 58.32/70.50		
F..47	2	6.34 - 8.96 13.93 - 30.86	4.99 - 30.86	4.99 - 30.86	4.99 - 25.72		
	3	28.88 - 190.76	28.88 - 150.06	28.88 - 130.07	28.88 - 56.49 68.09 - 105.09		
F..57	2	6.58 - 9.31 13.52 - 40.13	5.18 - 34.24	5.18 - 29.94	5.18 - 24.96	5.18 - 21.17	5.18 - 8.19 10.64 - 16.81
	3	30.15 - 199.70	30.15 - 157.09	30.15 - 136.16	30.15 - 58.97 83.46 - 110.01	30.15 - 50.10 83.46 - 93.47	30.15 - 38.21
F..67	2	7.53 - 9.08 18.29 - 36.30	5.95 - 9.08 14.46 - 36.30	3.97 - 36.30	3.97 - 32.08	3.97 - 27.41	3.97 - 22.05
	3	43.20 - 228.99	34.01 - 195.39	34.01 - 170.85	34.01 - 142.40	34.01 - 67.65 90.59 - 120.79	34.01 - 53.73 90.59 - 95.94
F..77	2	21.43 - 36.58	8.26 - 9.30 17.49 - 36.58	5.76 - 9.30 12.20 - 36.58	4.28 - 36.58	4.28 - 31.51	4.28 - 25.50
	3	48.37 - 72.50 94.93 - 281.71	38.23 - 225.79	25.54 - 198.31	25.54 - 166.47	25.54 - 142.27	25.54 - 58.32 75.02 - 114.45
F..87	2		23.68 - 33.92	7.35 - 8.29 17.12 - 33.92	5.63 - 8.29 13.12 - 33.92	5.63 - 8.29 13.12 - 33.92	4.12 - 33.92
	3		109.49 - 270.68	39.30 - 50.36 76.39 - 270.68	29.20 - 228.93	29.20 - 197.20	29.20 - 159.61
F..97	2			9.06 22.11 - 43.28	7.07 - 9.06 17.25 - 43.28	7.07 - 9.06 17.25 - 43.28	4.57 - 43.28
	3			58.06 - 72.29 80.31 89.85 - 97.58 112.99 - 276.77	44.49 - 72.29 80.31 - 276.77	44.49 - 72.29 80.31 - 276.77	32.50 - 223.88
F..107	2				21.76 - 33.79	21.76 - 33.79	7.40 - 9.69 14.67 - 33.79
	3				58.12 - 83.99 92.47 - 254.40	58.12 - 83.99 92.47 - 254.40	37.61 - 254.40
F..127	2						
	3						
F..157	2						
	3						

Gear Unit Size	Stages	Permissible Ratios for Motor Frame Size						
		DV132M	DV132ML	DV160M	DV160L	DV180	DV200	DV225
		Pinion Gear Bore Diameter — mm						
		22	28	28	28	32	38	38
F..37	2							
	3							
F..47	2							
	3							
F..57	2	5.18 - 8.19 10.64 - 16.81						
	3	30.15 - 38.21						
F..67	2	3.97 - 22.05						
	3	34.01 - 53.73 90.59 - 95.94						
F..77	2	4.28 - 25.50	4.28 - 19.70	4.28 - 19.70				
	3	25.54 - 58.32 75.02 - 114.45	25.54 - 43.58	25.54 - 43.58				
F..87	2	4.12 - 33.92	4.12 - 26.50	4.12 - 26.50	4.12 - 26.50	4.12 - 21.32		
	3	29.20 - 159.61	29.20 - 123.29	29.20 - 123.29	29.20 - 123.29	29.20 - 50.36		
F..97	2	4.57 - 43.28	4.57 - 33.91	4.57 - 33.91	4.57 - 33.91	4.57 - 27.44	4.57 - 22.11	
	3	32.50 - 223.88	32.50 - 89.85 102.16 - 174.87	32.50 - 89.85 102.16 - 174.87	32.50 - 89.85 102.13 - 174.87	32.50 - 75.63 86.59 102.16 - 140.71	32.50 - 58.06 75.63/86.59 102.16 - 112.99	
F..107	2	7.40 - 9.69 14.67 - 33.79	6.22 - 9.69 12.33 - 33.79	6.22 - 9.69 12.33 - 33.79	6.22 - 9.69 12.33 - 33.79	6.22 - 33.79	6.22 - 27.57	6.22 - 27.57
	3	37.61 - 254.40	31.80 - 199.31	31.80 - 199.31	31.80 - 199.31	31.80 - 161.28	31.80 - 74.52 88.49 101.38 - 129.97	31.80 - 74.52 88.49 101.38 - 129.97
F..127	2	7.88 - 8.86 14.55 - 26.86	6.80 - 8.86 12.54 - 26.86	6.80 - 8.86 12.54 - 26.86	6.80 - 8.86 12.54 - 26.86	5.52 - 26.86	4.68 - 26.86	4.68 - 26.86
	3	37.28 - 170.83	31.33 - 170.83	31.33 - 170.83	31.33 - 170.83	25.30 - 153.67	25.30 - 125.37	25.30 - 125.37
F..157	2		16.85 - 53.55	16.85 - 53.55	16.85 - 53.55	16.85 - 53.55	11.92 - 35.75	11.92 - 35.75
	3		40.06 - 267.43	40.06 - 267.43	40.06 - 267.43	40.06 - 267.43	27.60 - 178.20	27.60 - 178.20

Compatibility
SEW motors - Pinion gear bore diameters

The gearmotor selection tables show a wide range of motor and gear unit combinations for single speed motors. When it is necessary to substitute a motor for one shown in the selection tables (e.g. two-speed motors) the following chart lists the possible combinations by gear unit ratios. Where no ratio is shown for a desired motor frame, then either the pinion gear bore is not available or the required motor to gearcase flange is not available. In all cases when substituting motors, the gear units torque capacity should not be exceeded. This applies to all mounting options.

Gear Unit Size	Stages	Permissible Ratios for Motor Frame Size					
		DT71	DT80	DT90	DT100	DV112	DV132S
		Pinion Gear Bore Diameter — mm					
		10	12	14	16	18	22
F..37R17	4	87 - 326	87 - 326				
	5 (2/3)	364 - 1929	364 - 1929				
	5 (3/2)	91 - 1370	91 - 1370				
	6	1545 - 8193	1545 - 8193				
F..47R17	4	131 - 524	131 - 524				
	5 (2/3)	619 - 2519	619 - 2519				
	5 (3/2)	130 - 1785	130 - 1785				
	6	2033 - 12251	2033 - 12251				
F..57R37	4	134 - 426	134 - 426	134 - 382	134 - 330		
	5 (2/3)	483 - 2854	483 - 2012	483 - 949 1243 - 1791	483 - 749 1243		
	5 (3/2)	155 - 1106	155 - 1106	155 - 738 967 - 1106	155 - 558 1106		
	6	1238 - 14832	1238 - 5289 6913 - 9986	1238 - 1840 2409 - 4060/5289 6913 - 7908/9986	1238 - 1623 2737 - 3564 6913		
F..67R37	4	176 - 500	176 - 500	176 - 500	176 - 392/500		
	5 (2/3)	539 - 3377	539 - 3377	539 - 2912	539 - 984/1256 1631 - 1859/2372		
	5 (3/2)	175 - 2106	175 - 2106	175 - 2106	175 - 1429/1884		
	6	2439 - 19199	2439 - 14992	2439 - 4690/7096 8933 - 10220/12926	2756 - 3133 4091/7096/8933		
F..77R37	4	292 - 815	292 - 815	292 - 706	292 - 571		
	5 (2/3)	893 - 4931	893 - 3851	893 - 1759 2238 - 3320	893 - 1185 1433/2238/2705		
	5 (3/2)	199 - 1728	199 - 1728	199 - 1728	199 - 910/1728		
	6	2029 - 19180	2029 - 14978	2029 - 11035	2284/3381/4435 5808/8464		
F..87R57	4	193 - 662	193 - 662	193 - 662	193 - 519	193 - 398	211/281 - 350
	5 (2/3)	748 - 4952	748 - 3919	748 - 3196	748 - 1278 1717 - 2524	748 - 1278 1717 - 2134	748 - 988
	5 (3/2)	452 - 3244	345 - 3244	249 - 3244	249 - 1300/1930	249 - 1300	249 - 780 1010/1300
	6	3721 - 23042	3721 - 18238	3721 - 15877	3721 - 4245 5510 - 6273 8142 - 10433	3721 - 4245 5510	3721
F..97R57	4	242 - 275 361 - 892	242 - 892	242 - 892	242 - 667	242 - 569	242 317 - 473
	5 (2/3)	1023 - 6338	1023 - 5016	1023 - 4367	1023 - 1741/2448	1023 - 1468/2448	1023 - 1189
	5 (3/2)	208 - 285 529 - 3906	208 - 3906	195 - 3906	195 - 898 1327/1970/2907	195 - 898 1327/2907	195 - 690 898/1327
	6	4333 - 29211	4333 - 20813	4333 - 18119	4333 - 4961 6469/9576/14022	6469/14022	
F..107R77	4	430 - 644	340 - 644	266 - 644	266 - 644	266 - 644	266 - 518
	5 (2/3)	1015 - 5383	800 - 4593	696 - 4016	696 - 3347	696 - 2839	696 - 1263 1813 - 2255
	5 (3/2)	370 - 436 640/1087 1401 - 1597 2068 - 3037	255 - 436 640 834 - 3037	190 - 3037	190 - 3037	190 - 3037	190 - 950 1243 - 1401 1826
	6	3521 4567 - 25375	3521 - 10039 14767 - 21652	3521 - 10039 14767/18933	3521 - 10039	3521 - 3948 5223 - 10039	3948/5223 - 5954 8548 - 10039
F..127R77	5 (3/2)	549 - 648/1077 1784 - 2672	376 - 648 930 - 2672	376 - 2672	376 - 2672	376 - 2672	376 - 2357
	6	3031 - 24478	3031 - 12912 16656 - 19048	3031 - 12912 16656	3031 - 12912	3031 - 5153 7643 - 12912	3031 - 3454 4533 7643 - 8831
F..127R87	5 (3/2)			418	166 - 483	166 - 483	166 - 483
F..157R97	5 (3/2)		1169 - 1674 2427	302/446 845 - 2427	197/232 - 302/446 576 - 2427	197/232 - 302/446 576 - 2427	197 - 2427
	6		2780/5404 - 7075 12235 - 31434	2780 4130 - 26173	1441 - 23464	1441 - 20212	1441 - 16358

Gear Unit Size	Stages	Permissible Ratios for Motor Frame Size						
		DV132M	DV132ML	DV160M	DV160L	DV180	DV200	DV225
		Pinion Gear Bore Diameter — mm						
		22	28	28	28	32	38	38
F..107R77	4	266 - 518	266 - 387	266 - 387				
	5 (2/3)	696 - 1263 1813 - 2255	696 - 923	696 - 923				
	5 (3/2)	190 - 950 1243 - 1401 1826	190 - 333 489 - 560 736 - 950 1243/1826	190 - 333 489 - 560 736 - 950 1243/1826				
	6	3948 5223 - 5954 8548 - 10039	3948	3948				
F..127R77	5 (3/2)	376 - 2357	376 - 495 727 - 930 1220 - 1606	376 - 495 727 - 930 1220 - 1606				
	6	3031 - 3454 4533 7643 - 8831						
F..127R87	5 (3/2)	166 - 483	166 - 483	166 - 483	166 - 483	166 - 483	166 - 483	
F..157R97	5 (3/2)	197 - 2427	197 - 1308 1944 - 2427	197 - 1308 1944 - 2427	197 - 953 1944 - 2185			
	6	1441 - 16358	1441 - 5404 8026 - 10033	1441 - 5404 8026 - 10033	1441 3210 - 4831 8026 - 10033			

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
0.33	**408.0**	19.0	51	625	4.22	2	-	**FA37**	**DT71C4**
	351.0	18.0	59	655	4.90	2	-	**FA37**	**DT71C4**
	330.0	18.0	63	670	5.21	2	-	**FA37**	**DT71C4**
	284.0	16.0	73	700	6.05	2	-	**FA37**	**DT71C4**
	272.0	40.0	77	1060	6.34	2	-	**FA47**	**DT71C4**
	255.0	15.0	81	725	6.74	2	-	**FA37**	**DT71C4**
	231.0	14.0	90	750	7.44	2	-	**FA37**	**DT71C4**
	218.0	35.0	96	1140	7.88	2	-	**FA47**	**DT71C4**
	211.0	11.0	98	770	5.21	2	-	**FA37**	**DT71D6**
	192.0	14.0	109	795	8.97	2	-	**FA37**	**DT71C4**
	165.0	13.0	127	830	10.42	2	-	**FA37**	**DT71C4**
	155.0	13.0	134	850	11.08	2	-	**FA37**	**DT71C4**
	134.0	11.0	156	890	12.87	2	-	**FA37**	**DT71C4**
	120.0	10.0	173	920	14.33	2	-	**FA37**	**DT71C4**
	109.0	9.3	191	950	15.81	2	-	**FA37**	**DT71C4**
	105.0	18.0	198	1440	16.36	2	-	**FA47**	**DT71C4**
	101.0	8.6	205	970	17.03	2	-	**FA37**	**DT71C4**
	89.0	7.6	235	1010	19.27	2	-	**FA37**	**DT71C4**
	84.0	7.1	250	1030	20.57	2	-	**FA37**	**DT71C4**
	79.0	13.0	265	1580	21.82	2	-	**FA47**	**DT71C4**
	73.0	6.2	285	1070	23.63	2	-	**FA37**	**DT71C4**
	67.0	11.0	310	1670	25.72	2	-	**FA47**	**DT71C4**
	65.0	5.5	320	1110	17.03	2	-	**FA37**	**DT71D6**
	61.0	5.2	340	1130	28.09	3	-	**FA37**	**DT71C4**
	56.0	9.5	375	1760	30.86	2	-	**FA47**	**DT71C4**
	54.0	4.6	385	1170	31.69	3	-	**FA37**	**DT71C4**
	50.0	8.5	415	1820	34.29	3	-	**FA47**	**DT71C4**
	48.0	4.1	435	1210	35.91	3	-	**FA37**	**DT71C4**
	45.0	3.8	465	1230	38.31	3	-	**FA37**	**DT71C4**
	39.0	3.3	530	1220	43.83	3	-	**FA37**	**DT71C4**
	37.0	3.1	570	1220	47.02	3	-	**FA37**	**DT71C4**
	33.0	2.8	625	1210	51.70	3	-	**FA37**	**DT71C4**
	32.0	2.7	660	1210	54.54	3	-	**FA37**	**DT71C4**
	29.0	2.5	705	1200	58.32	3	-	**FA37**	**DT71C4**
	26.0	2.2	800	1190	66.09	3	-	**FA37**	**DT71C4**
	25.0	4.3	820	1840	68.09	3	-	**FA47**	**DT71C4**
	24.0	2.1	850	1190	70.50	3	-	**FA37**	**DT71C4**
	23.0	2.0	890	1180	47.02	3	-	**FA37**	**DT71D6**
	22.0	3.7	960	1830	79.72	3	-	**FA47**	**DT71C4**
	21.0	1.8	980	1170	80.65	3	-	**FA37**	**DT71C4**
	21.0	5.3	1010	2310	83.46	3	-	**FA57**	**DT71C4**
	20.0	1.7	1050	1150	86.53	3	-	**FA37**	**DT71C4**
	19.0	3.3	1080	1820	89.29	3	-	**FA47**	**DT71C4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
0.33	**18.0**	4.7	1130	2300	93.47	3	-	**FA57**	**DT71C4**
	17.0	1.5	1210	1120	100.36	3	-	**FA37**	**DT71C4**
	17.0	2.9	1240	1810	65.36	3	-	**FA47**	**DT71D6**
	16.0	1.4	1330	1090	70.50	3	-	**FA37**	**DT71D6**
	16.0	2.8	1270	1800	105.09	3	-	**FA47**	**DT71C4**
	15.0	1.3	1430	1070	117.88	3	-	**FA37**	**DT71C4**
	14.0	1.2	1530	1040	80.65	3	-	**FA37**	**DT71D6**
	14.0	2.4	1470	1780	121.57	3	-	**FA47**	**DT71C4**
	13.0	1.2	1550	1040	128.51	3	-	**FA37**	**DT71C4**
	13.0	2.2	1570	1770	130.07	3	-	**FA47**	**DT71C4**
	12.0	2.1	1690	1760	89.29	3	-	**FA47**	**DT71D6**
	11.0	2.0	1820	1740	150.06	3	-	**FA47**	**DT71C4**
	10.0	2.5	2080	2230	110.01	3	-	**FA57**	**DT71D6**
	9.8	1.7	2120	1690	175.38	3	-	**FA47**	**DT71C4**
	9.4	2.4	2220	2210	183.60	3	-	**FA57**	**DT71C4**
	9.0	1.6	2310	1660	190.76	3	-	**FA47**	**DT71C4**
	8.6	2.2	2420	2200	199.70	3	-	**FA57**	**DT71C4**
	8.5	1.5	2460	1630	130.07	3	-	**FA47**	**DT71D6**
	8.1	2.1	2580	2180	136.16	3	-	**FA57**	**DT71D6**
	7.9	1.6	2310	1660	217	2	2	**FA47R17**	**DT71C4**
	7.5	2.6	2770	2920	228.99	3	-	**FA67**	**DT71C4**
	7.3	1.3	2840	1540	150.06	3	-	**FA47**	**DT71D6**
	6.8	1.4	2610	1600	253	2	2	**FA47R17**	**DT71C4**
	6.8	2.4	3070	2920	162.31	3	-	**FA67**	**DT71D6**
	6.6	2.7	2690	2920	261	2	2	**FA67R37**	**DT71C4**
	6.4	2.2	3230	2910	170.85	3	-	**FA67**	**DT71D6**
	6.3	1.1	3320	1410	175.38	3	-	**FA47**	**DT71D6**
	6.0	1.2	2960	1510	288	3	2	**FA47R17**	**DT71C4**
	6.0	1.6	3470	2090	183.60	3	-	**FA57**	**DT71D6**
	5.8	1.0	3610	1280	190.76	3	-	**FA47**	**DT71D6**
	5.8	1.7	3120	2130	298	2	2	**FA57R37**	**DT71C4**
	5.8	2.4	3070	2920	297	2	2	**FA67R37**	**DT71C4**
	5.6	2.0	3700	2860	195.39	3	-	**FA67**	**DT71D6**
	5.5	1.4	3780	2050	199.70	3	-	**FA57**	**DT71D6**
	5.2	1.0	3510	1340	334	2	2	**FA47R17**	**DT71C4**
	5.2	1.6	3460	2090	330	2	2	**FA57R37**	**DT71C4**
	5.2	2.1	3460	2890	333	2	2	**FA67R37**	**DT71C4**
	4.9	3.1	4270	4430	225.79	3	-	**FA77**	**DT71D6**
	4.8	1.7	4330	2800	228.99	3	-	**FA67**	**DT71D6**
	4.7	2.6	3770	4450	370	2	2	**FA77R37**	**DT71C4**
	4.5	1.3	4030	2020	382	2	2	**FA57R37**	**DT71C4**
	4.5	1.9	3920	2840	384	3	2	**FA67R37**	**DT71C4**
	4.4	1.4	3880	2040	386	3	2	**FA57R37**	**DT71C4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
0.33	**4.2**	2.7	4970	4400	262.93	3	-	**FA77**	**DT71D6**
	4.2	3.2	4130	4440	413	3	2	**FA77R37**	**DT71C4**
	4.0	1.2	4540	1950	426	2	2	**FA57R37**	**DT71C4**
	4.0	2.2	4460	4420	433	2	2	**FA77R37**	**DT71C4**
	3.9	2.5	5330	4380	281.71	3	-	**FA77**	**DT71D6**
	3.8	1.5	4790	2740	454	2	2	**FA67R37**	**DT71C4**
	3.6	1.1	4950	1900	483	2	3	**FA57R37**	**DT71C4**
	3.6	2.7	4880	4400	480	3	2	**FA77R37**	**DT71C4**
	3.5	2.0	5030	4400	485	2	2	**FA77R37**	**DT71C4**
	3.4	1.1	5180	1860	506	3	2	**FA57R37**	**DT71C4**
	3.4	1.4	5240	2680	500	2	2	**FA67R37**	**DT71C4**
	3.2	1.4	5470	2650	539	2	3	**FA67R37**	**DT71C4**
	3.2	2.4	5500	4370	538	3	2	**FA77R37**	**DT71C4**
	3.0	1.3	5850	2590	572	3	2	**FA67R37**	**DT71C4**
	3.0	1.7	5980	4340	571	2	2	**FA77R37**	**DT71C4**
	2.8	2.1	6280	4320	615	3	2	**FA77R37**	**DT71C4**
	2.7	1.1	6490	2480	634	2	3	**FA67R37**	**DT71C4**
	2.6	1.4	6960	4280	660	2	2	**FA77R37**	**DT71C4**
	2.6	3.9	6860	6610	662	2	2	**FA87R57**	**DT71C4**
	2.4	1.0	7400	2280	722	2	3	**FA67R37**	**DT71C4**
	2.4	1.9	7110	4260	710	3	2	**FA77R37**	**DT71C4**
	2.3	3.6	7390	6590	748	2	3	**FA87R57**	**DT71C4**
	2.1	1.2	8680	4130	815	2	2	**FA77R37**	**DT71C4**
	2.1	1.7	8110	4180	810	3	2	**FA77R37**	**DT71C4**
	2.0	3.0	8770	6520	883	2	3	**FA87R57**	**DT71C4**
	1.9	1.1	9080	4090	893	2	3	**FA77R37**	**DT71C4**
	1.9	1.4	9390	4060	910	3	2	**FA77R37**	**DT71C4**
	1.7	2.7	9810	6460	988	2	3	**FA87R57**	**DT71C4**
	1.6	1.2	10900	3880	1053	3	2	**FA77R37**	**DT71C4**
	1.5	2.3	11600	6360	1142	2	3	**FA87R57**	**DT71C4**
	1.4	1.1	12500	3660	1200	3	2	**FA77R37**	**DT71C4**
	1.4	2.0	12900	6270	1278	2	3	**FA87R57**	**DT71C4**
	1.3	2.1	12700	6290	1300	3	2	**FA87R57**	**DT71C4**
	1.2	1.8	15300	6120	1476	2	3	**FA87R57**	**DT71C4**
	1.2	2.6	14700	8090	1468	2	3	**FA97R57**	**DT71C4**
	1.1	1.8	15300	6120	1493	3	2	**FA87R57**	**DT71C4**
	1.1	2.4	15700	8050	1527	3	2	**FA97R57**	**DT71C4**
	1.0	1.6	17200	5980	1717	2	3	**FA87R57**	**DT71C4**
	0.99	2.1	17800	7950	1741	2	3	**FA97R57**	**DT71C4**
	0.95	4.0	17400	14000	1813	2	3	**FA107R77**	**DT71C4**
	0.90	1.4	19400	5810	1913	2	3	**FA87R57**	**DT71C4**
	0.87	1.9	20300	7820	1971	2	3	**FA97R57**	**DT71C4**
	0.81	1.3	21400	5640	2134	2	3	**FA87R57**	**DT71C4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
0.33	**0.81**	3.3	20700	13800	2129	2	3	**FA107R77**	**DT71C4**
	0.78	1.7	22700	7700	2199	2	3	**FA97R57**	**DT71C4**
	0.76	3.2	22000	13800	2255	2	3	**FA107R77**	**DT71C4**
	0.70	1.6	24600	7600	2448	2	3	**FA97R57**	**DT71C4**
	0.68	1.1	25800	5070	2524	2	3	**FA87R57**	**DT71C4**
	0.67	1.5	26100	7510	2553	3	2	**FA97R57**	**DT71C4**
	0.67	2.7	25400	13600	2563	2	3	**FA107R77**	**DT71C4**
	0.61	2.5	28300	13500	2839	2	3	**FA107R77**	**DT71C4**
	0.57	1.3	30700	7230	3009	2	3	**FA97R57**	**DT71C4**
	0.57	2.3	29700	13400	3037	3	2	**FA107R77**	**DT71C4**
	0.51	1.1	34200	7000	3357	2	3	**FA97R57**	**DT71C4**
	0.51	2.0	33900	13200	3347	2	3	**FA107R77**	**DT71C4**
	0.49	2.0	34300	13200	3521	3	3	**FA107R77**	**DT71C4**
	0.45	1.8	39000	12900	3815	2	3	**FA107R77**	**DT71C4**
	0.44	2.8	38300	20200	3926	3	3	**FA127R77**	**DT71C4**
	0.43	1.7	41200	12800	4016	2	3	**FA107R77**	**DT71C4**
	0.38	2.4	43600	20200	4533	3	3	**FA127R77**	**DT71C4**
	0.37	1.5	47500	12500	4593	2	3	**FA107R77**	**DT71C4**
	0.33	1.4	50000	12300	5223	3	3	**FA107R77**	**DT71C4**
	0.33	2.1	50200	20200	5153	3	3	**FA127R77**	**DT71C4**
	0.32	1.3	56200	12000	5383	2	3	**FA107R77**	**DT71C4**
	0.29	1.2	57300	11900	5954	3	3	**FA107R77**	**DT71C4**
	0.29	1.8	59100	20200	5925	3	3	**FA127R77**	**DT71C4**
	0.26	1.6	66900	20200	6715	3	3	**FA127R77**	**DT71C4**
	0.25	1.1	66000	11300	6767	3	3	**FA107R77**	**DT71C4**
	0.23	1.5	73100	20200	7643	3	3	**FA127R77**	**DT71C4**
	0.19	1.3	84500	20200	8831	3	3	**FA127R77**	**DT71C4**
	0.17	1.1	100200	20200	10191	3	3	**FA127R77**	**DT71C4**
0.50	**403.0**	13.0	78	620	4.22	2	-	**FA37**	**DT71D4**
	347.0	12.0	91	650	4.90	2	-	**FA37**	**DT71D4**
	326.0	11.0	96	665	5.21	2	-	**FA37**	**DT71D4**
	281.0	11.0	112	695	6.05	2	-	**FA37**	**DT71D4**
	268.0	26.0	118	1060	6.34	2	-	**FA47**	**DT71D4**
	252.0	9.9	125	720	6.74	2	-	**FA37**	**DT71D4**
	229.0	9.3	138	740	7.44	2	-	**FA37**	**DT71D4**
	216.0	23.0	146	1140	7.88	2	-	**FA47**	**DT71D4**
	190.0	9.3	166	785	8.97	2	-	**FA37**	**DT71D4**
	163.0	8.5	193	820	10.42	2	-	**FA37**	**DT71D4**
	153.0	8.2	205	840	11.08	2	-	**FA37**	**DT71D4**
	132.0	7.4	240	880	12.87	2	-	**FA37**	**DT71D4**
	119.0	6.7	265	900	14.33	2	-	**FA37**	**DT71D4**
	108.0	6.0	295	930	15.81	2	-	**FA37**	**DT71D4**
	104.0	12.0	305	1430	16.36	2	-	**FA47**	**DT71D4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
0.50	**100.0**	5.6	315	950	17.03	2	-	**FA37**	**DT71D4**
	88.0	4.9	355	990	19.27	2	-	**FA37**	**DT71D4**
	83.0	4.6	380	1000	20.57	2	-	**FA37**	**DT71D4**
	78.0	8.8	405	1560	21.82	2	-	**FA47**	**DT71D4**
	72.0	4.0	440	1040	23.63	2	-	**FA37**	**DT71D4**
	66.0	7.4	475	1640	25.72	2	-	**FA47**	**DT71D4**
	61.0	3.4	520	1090	28.09	3	-	**FA37**	**DT71D4**
	58.0	6.5	545	1710	29.32	2	-	**FA47**	**DT71D4**
	54.0	3.0	590	1130	31.69	3	-	**FA37**	**DT71D4**
	50.0	5.6	635	1790	34.29	3	-	**FA47**	**DT71D4**
	47.0	2.7	665	1170	35.91	3	-	**FA37**	**DT71D4**
	44.0	2.5	710	1180	38.31	3	-	**FA37**	**DT71D4**
	39.0	2.2	810	1190	43.83	3	-	**FA37**	**DT71D4**
	36.0	2.0	870	1180	47.02	3	-	**FA37**	**DT71D4**
	35.0	2.0	910	1180	31.69	3	-	**FA37**	**DT80K6**
	33.0	1.9	960	1170	51.70	3	-	**FA37**	**DT71D4**
	32.0	3.6	980	1830	34.29	3	-	**FA47**	**DT80K6**
	31.0	1.8	1010	1160	54.54	3	-	**FA37**	**DT71D4**
	30.0	3.4	1050	1820	56.49	3	-	**FA47**	**DT71D4**
	29.0	1.7	1080	1150	58.32	3	-	**FA37**	**DT71D4**
	26.0	1.5	1230	1120	66.09	3	-	**FA37**	**DT71D4**
	26.0	2.9	1210	1810	65.36	3	-	**FA47**	**DT71D4**
	25.0	2.8	1260	1810	68.09	3	-	**FA47**	**DT71D4**
	24.0	1.4	1310	1100	70.50	3	-	**FA37**	**DT71D4**
	23.0	2.6	1380	1790	48.00	3	-	**FA47**	**DT80K6**
	21.0	1.2	1500	1050	80.65	3	-	**FA37**	**DT71D4**
	21.0	2.4	1480	1780	79.72	3	-	**FA47**	**DT71D4**
	20.0	1.1	1610	1020	86.53	3	-	**FA37**	**DT71D4**
	20.0	3.4	1550	2270	83.46	3	-	**FA57**	**DT71D4**
	19.0	1.1	1670	1000	58.32	3	-	**FA37**	**DT80K6**
	19.0	2.1	1660	1760	89.29	3	-	**FA47**	**DT71D4**
	18.0	3.1	1730	2260	93.47	3	-	**FA57**	**DT71D4**
	17.0	1.9	1870	1730	65.36	3	-	**FA47**	**DT80K6**
	16.0	1.8	1950	1720	105.09	3	-	**FA47**	**DT71D4**
	16.0	2.7	1960	2240	68.22	3	-	**FA57**	**DT80K6**
	15.0	2.6	2040	2230	110.01	3	-	**FA57**	**DT71D4**
	14.0	1.6	2250	1670	121.57	3	-	**FA47**	**DT71D4**
	14.0	3.2	2240	2920	120.79	3	-	**FA67**	**DT71D4**
	13.0	1.5	2410	1640	130.07	3	-	**FA47**	**DT71D4**
	13.0	2.2	2360	2200	127.27	3	-	**FA57**	**DT71D4**
	12.0	1.4	2560	1610	89.29	3	-	**FA47**	**DT80K6**
	12.0	2.1	2530	2190	136.16	3	-	**FA57**	**DT71D4**
	11.0	1.3	2780	1560	150.06	3	-	**FA47**	**DT71D4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
0.50	**11.0**	1.8	2910	2150	157.09	3	-	**FA57**	**DT71D4**
	11.0	2.6	2750	2920	95.94	3	-	**FA67**	**DT80K6**
	10.0	1.7	3150	2120	110.01	3	-	**FA57**	**DT80K6**
	10.0	2.4	3010	2920	162.31	3	-	**FA67**	**DT71D4**
	9.7	1.1	3250	1430	175.38	3	-	**FA47**	**DT71D4**
	9.3	1.6	3400	2090	183.60	3	-	**FA57**	**DT71D4**
	8.9	1.0	3540	1330	190.76	3	-	**FA47**	**DT71D4**
	8.7	2.0	3620	2870	195.39	3	-	**FA67**	**DT71D4**
	8.5	1.5	3700	2060	199.70	3	-	**FA57**	**DT71D4**
	8.5	2.2	3230	2910	200	2	2	**FA67R37**	**DT71D4**
	8.3	2.2	3280	2900	205	3	2	**FA67R37**	**DT71D4**
	8.1	1.4	3900	2040	136.16	3	-	**FA57**	**DT80K6**
	7.8	1.0	3620	1240	217	2	2	**FA47R17**	**DT71D4**
	7.4	1.7	4250	2810	228.99	3	-	**FA67**	**DT71D4**
	7.4	2.0	3660	2870	231	3	2	**FA67R37**	**DT71D4**
	7.0	1.2	4500	1960	157.09	3	-	**FA57**	**DT80K6**
	6.8	1.6	4650	2760	162.31	3	-	**FA67**	**DT80K6**
	6.6	1.8	4140	2820	257	3	2	**FA67R37**	**DT71D4**
	6.5	2.7	4880	4400	262.93	3	-	**FA77**	**DT71D4**
	6.4	1.5	4900	2730	170.85	3	-	**FA67**	**DT80K6**
	6.0	2.5	5220	4390	281.71	3	-	**FA77**	**DT71D4**
	5.8	2.5	5400	4380	188.40	3	-	**FA77**	**DT80K6**
	5.7	1.5	4870	2730	297	2	2	**FA67R37**	**DT71D4**
	5.6	1.3	5600	2630	195.39	3	-	**FA67**	**DT80K6**
	5.6	2.3	5680	4360	198.31	3	-	**FA77**	**DT80K6**
	5.3	2.5	5260	4380	323	3	2	**FA77R37**	**DT71D4**
	5.0	1.0	5400	1830	338	3	2	**FA57R37**	**DT71D4**
	4.9	2.0	6470	4310	225.79	3	-	**FA77**	**DT80K6**
	4.6	1.7	6020	4340	370	2	2	**FA77R37**	**DT71D4**
	4.6	2.2	5920	4350	367	3	2	**FA77R37**	**DT71D4**
	4.3	1.1	6490	2480	392	2	2	**FA67R37**	**DT71D4**
	4.1	2.0	6600	4300	413	3	2	**FA77R37**	**DT71D4**
	3.9	1.1	7000	2370	437	3	2	**FA67R37**	**DT71D4**
	3.9	1.4	7090	4270	433	2	2	**FA77R37**	**DT71D4**
	3.8	3.7	7120	6600	452	3	2	**FA87R57**	**DT71D4**
	3.6	3.5	7640	6570	468	2	2	**FA87R57**	**DT71D4**
	3.5	1.3	7970	4190	485	2	2	**FA77R37**	**DT71D4**
	3.5	1.7	7750	4210	480	3	2	**FA77R37**	**DT71D4**
	3.3	3.1	8490	6530	519	2	2	**FA87R57**	**DT71D4**
	3.2	1.5	8710	4130	538	3	2	**FA77R37**	**DT71D4**
	3.0	1.1	9440	4050	571	2	2	**FA77R37**	**DT71D4**
	2.9	2.7	9730	6460	592	2	2	**FA87R57**	**DT71D4**
	2.8	1.4	9950	4000	615	3	2	**FA77R37**	**DT71D4**

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See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
0.50	**2.6**	2.4	10900	6400	662	2	2	**FA87R57**	**DT71D4**
	2.4	1.2	11400	3820	710	3	2	**FA77R37**	**DT71D4**
	2.3	2.2	11900	6340	748	2	3	**FA87R57**	**DT71D4**
	2.2	2.2	12300	6310	780	3	2	**FA87R57**	**DT71D4**
	2.1	1.1	12900	3590	810	3	2	**FA77R37**	**DT71D4**
	1.9	1.9	14100	6200	883	2	3	**FA87R57**	**DT71D4**
	1.9	2.6	14700	8090	892	2	2	**FA97R57**	**DT71D4**
	1.7	1.7	15700	6090	988	2	3	**FA87R57**	**DT71D4**
	1.7	2.4	16100	8030	1023	2	3	**FA97R57**	**DT71D4**
	1.5	1.5	18400	5890	1142	2	3	**FA87R57**	**DT71D4**
	1.5	2.0	19000	7890	1171	3	2	**FA97R57**	**DT71D4**
	1.4	2.0	18900	7900	1189	2	3	**FA97R57**	**DT71D4**
	1.3	1.3	20600	5710	1278	2	3	**FA87R57**	**DT71D4**
	1.3	1.8	21100	7790	1316	2	3	**FA97R57**	**DT71D4**
	1.2	1.6	23500	7660	1468	2	3	**FA97R57**	**DT71D4**
	1.2	3.0	22800	13700	1436	2	3	**FA107R77**	**DT71D4**
	1.1	1.1	24100	5390	1476	2	3	**FA87R57**	**DT71D4**
	1.1	1.6	24800	7590	1527	3	2	**FA97R57**	**DT71D4**
	1.1	2.7	25400	13600	1590	2	3	**FA107R77**	**DT71D4**
	0.98	1.4	28200	7390	1741	2	3	**FA97R57**	**DT71D4**
	0.94	2.5	28200	13500	1813	2	3	**FA107R77**	**DT71D4**
	0.86	1.2	32100	7140	1971	2	3	**FA97R57**	**DT71D4**
	0.80	2.1	33400	13200	2129	2	3	**FA107R77**	**DT71D4**
	0.77	1.1	35800	6880	2199	2	3	**FA97R57**	**DT71D4**
	0.75	2.0	35500	13100	2255	2	3	**FA107R77**	**DT71D4**
	0.72	2.9	36500	20200	2357	3	2	**FA127R77**	**DT71D4**
	0.66	1.7	40700	12800	2563	2	3	**FA107R77**	**DT71D4**
	0.64	2.5	42100	20200	2672	3	2	**FA127R77**	**DT71D4**
	0.60	1.6	45300	12600	2839	2	3	**FA107R77**	**DT71D4**
	0.56	1.4	47900	12400	3037	3	2	**FA107R77**	**DT71D4**
	0.56	2.3	46800	20200	3031	3	3	**FA127R77**	**DT71D4**
	0.51	1.3	53900	12100	3347	2	3	**FA107R77**	**DT71D4**
	0.49	2.0	53600	20200	3454	3	3	**FA127R77**	**DT71D4**
	0.48	1.3	55100	12000	3521	3	3	**FA107R77**	**DT71D4**
	0.45	1.1	61800	11600	3815	2	3	**FA107R77**	**DT71D4**
	0.43	1.8	61400	20200	3926	3	3	**FA127R77**	**DT71D4**
	0.42	1.1	65200	11400	4016	2	3	**FA107R77**	**DT71D4**
	0.37	1.5	70300	20200	4533	3	3	**FA127R77**	**DT71D4**
	0.33	1.3	80600	20200	5153	3	3	**FA127R77**	**DT71D4**
	0.29	1.2	93900	20200	5925	3	3	**FA127R77**	**DT71D4**
	0.25	1.0	106500	20200	6715	3	3	**FA127R77**	**DT71D4**
0.75	**451.0**	8.9	104	590	3.77	2	-	**FA37**	**DT80K4**

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See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
0.75	**403.0**	8.3	118	610	4.22	2	-	**FA37**	**DT80K4**
	347.0	7.8	136	640	4.90	2	-	**FA37**	**DT80K4**
	326.0	7.6	145	650	5.21	2	-	**FA37**	**DT80K4**
	295.0	19.0	160	1020	5.76	2	-	**FA47**	**DT80K4**
	281.0	7.1	168	680	6.05	2	-	**FA37**	**DT80K4**
	268.0	18.0	176	1050	6.34	2	-	**FA47**	**DT80K4**
	252.0	6.6	188	705	6.74	2	-	**FA37**	**DT80K4**
	229.0	6.2	205	725	7.44	2	-	**FA37**	**DT80K4**
	212.0	6.8	225	745	8.01	2	-	**FA37**	**DT80K4**
	190.0	6.2	250	770	8.97	2	-	**FA37**	**DT80K4**
	163.0	5.6	290	800	10.42	2	-	**FA37**	**DT80K4**
	153.0	5.5	310	820	11.08	2	-	**FA37**	**DT80K4**
	132.0	4.9	360	850	12.87	2	-	**FA37**	**DT80K4**
	119.0	4.4	400	880	14.33	2	-	**FA37**	**DT80K4**
	108.0	4.0	440	900	15.81	2	-	**FA37**	**DT80K4**
	104.0	7.8	455	1410	16.36	2	-	**FA47**	**DT80K4**
	100.0	3.7	475	920	17.03	2	-	**FA37**	**DT80K4**
	88.0	3.3	535	950	19.27	2	-	**FA37**	**DT80K4**
	83.0	3.1	570	960	20.57	2	-	**FA37**	**DT80K4**
	78.0	5.8	605	1530	21.82	2	-	**FA47**	**DT80K4**
	72.0	2.7	655	1000	23.63	2	-	**FA37**	**DT80K4**
	66.0	4.9	715	1600	25.72	2	-	**FA47**	**DT80K4**
	61.0	2.3	780	1040	28.09	3	-	**FA37**	**DT80K4**
	58.0	4.3	820	1660	29.32	2	-	**FA47**	**DT80K4**
	54.0	2.0	880	1070	31.69	3	-	**FA37**	**DT80K4**
	50.0	3.7	950	1730	34.29	3	-	**FA47**	**DT80K4**
	48.0	5.3	1000	2310	35.79	3	-	**FA57**	**DT80K4**
	47.0	1.8	1000	1100	35.91	3	-	**FA37**	**DT80K4**
	46.0	3.5	1020	1770	36.61	3	-	**FA47**	**DT80K4**
	44.0	1.7	1070	1110	38.31	3	-	**FA37**	**DT80K4**
	44.0	5.0	1060	2310	38.21	3	-	**FA57**	**DT80K4**
	43.0	3.2	1110	1800	25.72	2	-	**FA47**	**DT80N6**
	40.0	3.0	1190	1810	42.86	3	-	**FA47**	**DT80K4**
	39.0	1.5	1220	1120	43.83	3	-	**FA37**	**DT80K4**
	38.0	4.3	1240	2290	44.73	3	-	**FA57**	**DT80K4**
	36.0	1.4	1310	1100	47.02	3	-	**FA37**	**DT80K4**
	35.0	2.7	1340	1800	48.00	3	-	**FA47**	**DT80K4**
	33.0	1.3	1440	1070	51.70	3	-	**FA37**	**DT80K4**
	32.0	2.4	1470	1780	34.29	3	-	**FA47**	**DT80N6**
	31.0	1.2	1520	1050	54.54	3	-	**FA37**	**DT80K4**
	30.0	2.2	1570	1770	56.49	3	-	**FA47**	**DT80K4**
	29.0	1.1	1620	1010	58.32	3	-	**FA37**	**DT80K4**
	26.0	2.0	1820	1740	65.36	3	-	**FA47**	**DT80K4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
0.75	**25.0**	1.9	1890	1730	68.09	3	-	**FA47**	**DT80K4**
	25.0	2.8	1900	2240	68.22	3	-	**FA57**	**DT80K4**
	23.0	1.7	2060	1700	48.00	3	-	**FA47**	**DT80N6**
	23.0	2.6	2030	2230	72.98	3	-	**FA57**	**DT80K4**
	21.0	1.6	2220	1680	79.72	3	-	**FA47**	**DT80K4**
	21.0	3.3	2220	2920	79.76	3	-	**FA67**	**DT80K4**
	20.0	2.3	2320	2210	83.46	3	-	**FA57**	**DT80K4**
	19.0	1.5	2480	1620	89.29	3	-	**FA47**	**DT80K4**
	19.0	2.9	2520	2920	90.59	3	-	**FA67**	**DT80K4**
	18.0	2.0	2600	2180	93.47	3	-	**FA57**	**DT80K4**
	17.0	1.3	2810	1550	65.36	3	-	**FA47**	**DT80N6**
	16.0	1.2	2920	1520	105.09	3	-	**FA47**	**DT80K4**
	16.0	1.8	2930	2150	68.22	3	-	**FA57**	**DT80N6**
	16.0	2.4	3030	2920	109.04	3	-	**FA67**	**DT80K4**
	15.0	1.8	3060	2130	110.01	3	-	**FA57**	**DT80K4**
	14.0	1.1	3380	1390	121.57	3	-	**FA47**	**DT80K4**
	14.0	2.2	3360	2890	120.79	3	-	**FA67**	**DT80K4**
	13.0	1.0	3620	1250	130.07	3	-	**FA47**	**DT80K4**
	13.0	1.5	3540	2080	127.27	3	-	**FA57**	**DT80K4**
	13.0	3.7	3630	4460	130.42	3	-	**FA77**	**DT80K4**
	12.0	1.4	3790	2050	136.16	3	-	**FA57**	**DT80K4**
	12.0	3.3	3960	4450	142.27	3	-	**FA77**	**DT80K4**
	11.0	1.2	4370	1980	157.09	3	-	**FA57**	**DT80K4**
	11.0	1.8	4120	2820	95.94	3	-	**FA67**	**DT80N6**
	10.0	1.1	4730	1930	110.01	3	-	**FA57**	**DT80N6**
	10.0	1.6	4520	2780	162.31	3	-	**FA67**	**DT80K4**
	10.0	2.9	4630	4420	166.47	3	-	**FA77**	**DT80K4**
	9.0	2.5	5240	4390	188.40	3	-	**FA77**	**DT80K4**
	8.7	1.4	5440	2660	195.39	3	-	**FA67**	**DT80K4**
	8.6	2.4	5520	4370	198.31	3	-	**FA77**	**DT80K4**
	8.5	1.5	4980	2720	200	2	2	**FA67R37**	**DT80K4**
	8.3	1.5	5050	2710	205	3	2	**FA67R37**	**DT80K4**
	7.7	1.2	6120	2540	142.40	3	-	**FA67**	**DT80N6**
	7.5	2.1	6280	4320	225.79	3	-	**FA77**	**DT80K4**
	7.4	1.3	5650	2620	231	3	2	**FA67R37**	**DT80K4**
	7.2	1.2	5940	2580	238	2	2	**FA67R37**	**DT80K4**
	6.9	2.2	6120	4330	247	3	2	**FA77R37**	**DT80K4**
	6.8	1.1	6980	2380	162.31	3	-	**FA67**	**DT80N6**
	6.7	3.7	7100	6600	255.37	3	-	**FA87**	**DT80K4**
	6.6	1.2	6350	2500	257	3	2	**FA67R37**	**DT80K4**
	6.6	1.9	7160	4260	166.47	3	-	**FA77**	**DT80N6**
	6.4	1.0	7340	2300	170.85	3	-	**FA67**	**DT80N6**
	6.3	3.5	7530	6580	270.68	3	-	**FA87**	**DT80K4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
0.75	**6.1**	1.9	6910	4280	280	3	2	**FA77R37**	**DT80K4**
	6.1	3.4	7740	6570	179.97	3	-	**FA87**	**DT80N6**
	6.0	3.8	6900	6610	281	2	2	**FA87R57**	**DT80K4**
	5.8	1.7	8100	4180	188.40	3	-	**FA77**	**DT80N6**
	5.6	1.6	8530	4140	198.31	3	-	**FA77**	**DT80N6**
	5.6	3.1	8480	6530	197.20	3	-	**FA87**	**DT80N6**
	5.4	3.4	7780	6570	315	2	2	**FA87R57**	**DT80K4**
	5.3	1.7	8030	4190	323	3	2	**FA77R37**	**DT80K4**
	4.9	1.4	9710	4030	225.79	3	-	**FA77**	**DT80N6**
	4.9	3.1	8650	6520	350	2	2	**FA87R57**	**DT80K4**
	4.8	2.7	9840	6460	228.93	3	-	**FA87**	**DT80N6**
	4.6	1.1	9240	4070	370	2	2	**FA77R37**	**DT80K4**
	4.6	1.5	9070	4090	367	3	2	**FA77R37**	**DT80K4**
	4.3	2.4	11000	6390	255.37	3	-	**FA87**	**DT80N6**
	4.3	2.4	11000	6390	255.37	3	-	**FA87**	**DT80N6**
	4.3	2.7	9880	6460	398	2	2	**FA87R57**	**DT80K4**
	4.1	1.3	10100	3980	413	3	2	**FA77R37**	**DT80K4**
	4.1	2.3	11600	6350	270.68	3	-	**FA87**	**DT80N6**
	3.8	2.4	11000	6390	452	3	2	**FA87R57**	**DT80K4**
	3.6	2.3	11700	6350	468	2	2	**FA87R57**	**DT80K4**
	3.5	1.1	11900	3750	480	3	2	**FA77R37**	**DT80K4**
	3.3	2.0	13000	6270	519	2	2	**FA87R57**	**DT80K4**
	3.0	2.7	14100	8110	569	2	2	**FA97R57**	**DT80K4**
	2.9	1.8	14900	6140	592	2	2	**FA87R57**	**DT80K4**
	2.8	2.6	14700	8090	605	3	2	**FA97R57**	**DT80K4**
	2.6	1.6	16700	6020	662	2	2	**FA87R57**	**DT80K4**
	2.5	2.3	16700	8000	667	2	2	**FA97R57**	**DT80K4**
	2.3	1.5	18300	5900	748	2	3	**FA87R57**	**DT80K4**
	2.2	1.4	19000	5840	780	3	2	**FA87R57**	**DT80K4**
	2.2	2.0	19100	7890	760	2	2	**FA97R57**	**DT80K4**
	2.1	3.6	19100	13900	800	2	3	**FA107R77**	**DT80K4**
	1.9	1.3	21600	5620	883	2	3	**FA87R57**	**DT80K4**
	1.9	1.7	22500	7710	892	2	2	**FA97R57**	**DT80K4**
	1.8	3.1	22200	13800	923	2	3	**FA107R77**	**DT80K4**
	1.7	1.1	24200	5380	988	2	3	**FA87R57**	**DT80K4**
	1.7	1.6	24900	7580	1023	2	3	**FA97R57**	**DT80K4**
	1.7	2.8	24500	13700	1015	2	3	**FA107R77**	**DT80K4**
	1.6	2.6	26400	13600	1087	3	2	**FA107R77**	**DT80K4**
	1.5	1.3	29100	7330	1171	3	2	**FA97R57**	**DT80K4**
	1.4	1.3	29100	7330	1189	2	3	**FA97R57**	**DT80K4**
	1.4	2.3	30700	13400	1263	2	3	**FA107R77**	**DT80K4**
	1.3	1.2	32400	7120	1316	2	3	**FA97R57**	**DT80K4**
	1.2	1.1	36100	6860	1468	2	3	**FA97R57**	**DT80K4**

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See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
0.75	**1.2**	2.0	35100	13100	1436	2	3	**FA107R77**	**DT80K4**
	1.1	1.0	37900	6730	1527	3	2	**FA97R57**	**DT80K4**
	1.1	1.8	39100	12900	1590	2	3	**FA107R77**	**DT80K4**
	1.1	2.8	38100	20200	1606	3	2	**FA127R77**	**DT80K4**
	0.95	2.5	42500	20200	1784	3	2	**FA127R77**	**DT80K4**
	0.94	1.6	43800	12700	1813	2	3	**FA107R77**	**DT80K4**
	0.83	2.2	49000	20200	2038	3	2	**FA127R77**	**DT80K4**
	0.80	1.4	51700	12200	2129	2	3	**FA107R77**	**DT80K4**
	0.75	1.3	54900	12000	2255	2	3	**FA107R77**	**DT80K4**
	0.72	1.9	56800	20200	2357	3	2	**FA127R77**	**DT80K4**
	0.70	2.9	54300	27000	2427	3	2	**FA157R97**	**DT80K4**
	0.66	1.1	62700	11500	2563	2	3	**FA107R77**	**DT80K4**
	0.64	1.7	65100	20200	2672	3	2	**FA127R77**	**DT80K4**
	0.61	2.5	62900	27000	2780	3	3	**FA157R97**	**DT80K4**
	0.60	1.0	69700	11100	2839	2	3	**FA107R77**	**DT80K4**
	0.56	1.5	72500	20200	3031	3	3	**FA127R77**	**DT80K4**
	0.49	1.3	82800	20200	3454	3	3	**FA127R77**	**DT80K4**
	0.43	1.1	94600	20200	3926	3	3	**FA127R77**	**DT80K4**
	0.37	1.0	108700	20200	4533	3	3	**FA127R77**	**DT80K4**
	0.31	1.3	122200	24900	5404	3	3	**FA157R97**	**DT80K4**
	0.27	1.1	144900	23500	6295	3	3	**FA157R97**	**DT80K4**
	0.24	1.0	162800	22300	7075	3	3	**FA157R97**	**DT80K4**
1.0	**451.0**	6.7	140	585	3.77	2	-	**FA37**	**DT80N4**
	403.0	6.2	157	605	4.22	2	-	**FA37**	**DT80N4**
	347.0	5.8	181	630	4.90	2	-	**FA37**	**DT80N4**
	326.0	5.7	193	640	5.21	2	-	**FA37**	**DT80N4**
	295.0	14.0	215	1010	5.76	2	-	**FA47**	**DT80N4**
	281.0	5.3	225	670	6.05	2	-	**FA37**	**DT80N4**
	268.0	13.0	235	1040	6.34	2	-	**FA47**	**DT80N4**
	252.0	5.0	250	690	6.74	2	-	**FA37**	**DT80N4**
	229.0	4.7	275	710	7.44	2	-	**FA37**	**DT80N4**
	212.0	5.1	295	730	8.01	2	-	**FA37**	**DT80N4**
	190.0	4.7	335	750	8.97	2	-	**FA37**	**DT80N4**
	163.0	4.2	385	785	10.42	2	-	**FA37**	**DT80N4**
	153.0	4.1	410	795	11.08	2	-	**FA37**	**DT80N4**
	132.0	3.7	475	830	12.87	2	-	**FA37**	**DT80N4**
	119.0	3.3	530	850	14.33	2	-	**FA37**	**DT80N4**
	108.0	3.0	585	870	15.81	2	-	**FA37**	**DT80N4**
	104.0	5.8	605	1380	16.36	2	-	**FA47**	**DT80N4**
	100.0	2.8	630	890	17.03	2	-	**FA37**	**DT80N4**
	88.0	2.5	715	910	19.27	2	-	**FA37**	**DT80N4**
	83.0	2.3	765	920	20.57	2	-	**FA37**	**DT80N4**

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See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
1.0	**78.0**	4.4	810	1490	21.82	2	-	**FA47**	**DT80N4**
	72.0	2.0	880	950	23.63	2	-	**FA37**	**DT80N4**
	66.0	3.7	950	1560	25.72	2	-	**FA47**	**DT80N4**
	65.0	1.8	980	970	17.03	2	-	**FA37**	**DT90S6**
	61.0	1.7	1040	980	28.09	3	-	**FA37**	**DT80N4**
	58.0	3.2	1090	1610	29.32	2	-	**FA47**	**DT80N4**
	55.0	3.1	1140	1640	30.86	2	-	**FA47**	**DT80N4**
	54.0	1.5	1180	1010	31.69	3	-	**FA37**	**DT80N4**
	50.0	2.8	1270	1680	34.29	3	-	**FA47**	**DT80N4**
	48.0	4.0	1330	2290	35.79	3	-	**FA57**	**DT80N4**
	47.0	1.4	1330	1030	35.91	3	-	**FA37**	**DT80N4**
	46.0	2.6	1360	1710	36.61	3	-	**FA47**	**DT80N4**
	44.0	1.3	1420	1040	38.31	3	-	**FA37**	**DT80N4**
	44.0	3.8	1420	2280	38.21	3	-	**FA57**	**DT80N4**
	43.0	2.4	1470	1740	25.72	2	-	**FA47**	**DT90S6**
	40.0	2.2	1590	1770	42.86	3	-	**FA47**	**DT80N4**
	39.0	1.1	1630	1010	43.83	3	-	**FA37**	**DT80N4**
	38.0	3.2	1660	2260	44.73	3	-	**FA57**	**DT80N4**
	36.0	1.0	1740	970	47.02	3	-	**FA37**	**DT80N4**
	35.0	2.0	1780	1740	48.00	3	-	**FA47**	**DT80N4**
	34.0	2.9	1860	2250	50.10	3	-	**FA57**	**DT80N4**
	32.0	1.8	1970	1720	34.29	3	-	**FA47**	**DT90S6**
	32.0	3.6	1990	2920	53.73	3	-	**FA67**	**DT80N4**
	30.0	1.7	2100	1700	56.49	3	-	**FA47**	**DT80N4**
	29.0	2.4	2190	2220	58.97	3	-	**FA57**	**DT80N4**
	26.0	1.5	2420	1640	65.36	3	-	**FA47**	**DT80N4**
	25.0	1.4	2530	1620	68.09	3	-	**FA47**	**DT80N4**
	25.0	2.1	2530	2190	68.22	3	-	**FA57**	**DT80N4**
	23.0	1.3	2750	1560	48.00	3	-	**FA47**	**DT90S6**
	23.0	2.0	2710	2170	72.98	3	-	**FA57**	**DT80N4**
	21.0	1.2	2960	1510	79.72	3	-	**FA47**	**DT80N4**
	21.0	2.5	2960	2920	79.76	3	-	**FA67**	**DT80N4**
	20.0	1.7	3100	2130	83.46	3	-	**FA57**	**DT80N4**
	19.0	1.1	3310	1410	89.29	3	-	**FA47**	**DT80N4**
	19.0	2.2	3360	2890	90.59	3	-	**FA67**	**DT80N4**
	18.0	1.6	3470	2090	93.47	3	-	**FA57**	**DT80N4**
	18.0	2.0	3560	2880	95.94	3	-	**FA67**	**DT80N4**
	16.0	1.4	3910	2040	68.22	3	-	**FA57**	**DT90S6**
	16.0	1.8	4040	2830	109.04	3	-	**FA67**	**DT80N4**
	16.0	3.3	4020	4440	108.46	3	-	**FA77**	**DT80N4**
	15.0	1.3	4080	2010	110.01	3	-	**FA57**	**DT80N4**
	15.0	3.1	4250	4430	114.45	3	-	**FA77**	**DT80N4**
	14.0	1.6	4480	2780	120.79	3	-	**FA67**	**DT80N4**

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See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
1.0	**13.0**	1.1	4720	1930	127.27	3	-	**FA57**	**DT80N4**
	13.0	2.7	4840	4410	130.42	3	-	**FA77**	**DT80N4**
	12.0	1.1	5050	1880	136.16	3	-	**FA57**	**DT80N4**
	12.0	1.4	5280	2680	142.40	3	-	**FA67**	**DT80N4**
	12.0	2.5	5280	4380	142.27	3	-	**FA77**	**DT80N4**
	11.0	1.3	5500	2650	95.94	3	-	**FA67**	**DT90S6**
	10.0	1.2	6020	2560	162.31	3	-	**FA67**	**DT80N4**
	10.0	2.2	6170	4330	166.47	3	-	**FA77**	**DT80N4**
	9.6	2.0	6560	4300	114.45	3	-	**FA77**	**DT90S6**
	9.0	1.9	6990	4270	188.40	3	-	**FA77**	**DT80N4**
	8.7	1.0	7250	2320	195.39	3	-	**FA67**	**DT80N4**
	8.6	1.8	7360	4250	198.31	3	-	**FA77**	**DT80N4**
	8.6	2.0	6580	4300	199	3	2	**FA77R37**	**DT80N4**
	8.5	1.1	6730	2430	200	2	2	**FA67R37**	**DT80N4**
	8.3	1.1	6810	2410	205	3	2	**FA67R37**	**DT80N4**
	7.5	1.6	8370	4160	225.79	3	-	**FA77**	**DT80N4**
	7.4	3.1	8490	6530	228.93	3	-	**FA87**	**DT80N4**
	6.9	1.6	8250	4170	247	3	2	**FA77R37**	**DT80N4**
	6.7	2.8	9470	6480	255.37	3	-	**FA87**	**DT80N4**
	6.6	1.4	9540	4040	166.47	3	-	**FA77**	**DT90S6**
	6.3	2.6	10000	6450	270.68	3	-	**FA87**	**DT80N4**
	6.1	1.4	9320	4070	280	3	2	**FA77R37**	**DT80N4**
	6.1	2.6	10300	6430	179.97	3	-	**FA87**	**DT90S6**
	6.0	2.8	9350	6480	281	2	2	**FA87R57**	**DT80N4**
	5.8	1.3	10800	3900	188.40	3	-	**FA77**	**DT90S6**
	5.6	1.2	11400	3820	198.31	3	-	**FA77**	**DT90S6**
	5.6	2.3	11300	6370	197.20	3	-	**FA87**	**DT90S6**
	5.4	2.5	10500	6420	315	2	2	**FA87R57**	**DT80N4**
	5.3	1.3	10800	3900	323	3	2	**FA77R37**	**DT80N4**
	4.9	2.3	11700	6350	350	2	2	**FA87R57**	**DT80N4**
	4.8	2.0	13100	6260	228.93	3	-	**FA87**	**DT90S6**
	4.6	1.1	12200	3700	367	3	2	**FA77R37**	**DT80N4**
	4.3	1.8	14600	6160	255.37	3	-	**FA87**	**DT90S6**
	4.3	2.0	13400	6250	398	2	2	**FA87R57**	**DT80N4**
	4.1	1.7	15500	6100	270.68	3	-	**FA87**	**DT90S6**
	4.0	2.4	15900	8040	276.77	3	-	**FA97**	**DT90S6**
	3.8	1.8	14900	6140	452	3	2	**FA87R57**	**DT80N4**
	3.6	1.7	15800	6080	468	2	2	**FA87R57**	**DT80N4**
	3.6	2.4	15800	8040	473	2	2	**FA97R57**	**DT80N4**
	3.3	1.5	17600	5950	519	2	2	**FA87R57**	**DT80N4**
	3.3	2.2	17100	7980	510	2	2	**FA97R57**	**DT80N4**
	3.0	2.0	19100	7890	569	2	2	**FA97R57**	**DT80N4**
	2.9	1.3	20100	5750	592	2	2	**FA87R57**	**DT80N4**

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[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
1.0	**2.9**	3.5	19700	13900	591	2	2	**FA107R77**	**DT80N4**
	2.8	1.9	19900	7850	605	3	2	**FA97R57**	**DT80N4**
	2.6	1.2	22400	5550	662	2	2	**FA87R57**	**DT80N4**
	2.6	3.2	21600	13800	644	2	2	**FA107R77**	**DT80N4**
	2.5	1.7	22500	7710	667	2	2	**FA97R57**	**DT80N4**
	2.3	1.1	24700	5330	748	2	3	**FA87R57**	**DT80N4**
	2.2	1.1	25700	5180	780	3	2	**FA87R57**	**DT80N4**
	2.2	1.5	25700	7530	760	2	2	**FA97R57**	**DT80N4**
	2.1	2.7	26000	13600	800	2	3	**FA107R77**	**DT80N4**
	1.9	1.3	30300	7260	892	2	2	**FA97R57**	**DT80N4**
	1.8	2.3	30100	13400	923	2	3	**FA107R77**	**DT80N4**
	1.7	1.2	33700	7030	1023	2	3	**FA97R57**	**DT80N4**
	1.7	2.1	33200	13200	1015	2	3	**FA107R77**	**DT80N4**
	1.6	1.9	35700	13100	1087	3	2	**FA107R77**	**DT80N4**
	1.6	3.0	35000	20200	1077	3	2	**FA127R77**	**DT80N4**
	1.4	1.7	41600	12800	1263	2	3	**FA107R77**	**DT80N4**
	1.4	2.7	39200	20200	1220	3	2	**FA127R77**	**DT80N4**
	1.2	1.5	47500	12500	1436	2	3	**FA107R77**	**DT80N4**
	1.2	2.4	45000	20200	1390	3	2	**FA127R77**	**DT80N4**
	1.1	1.3	52700	12200	1590	2	3	**FA107R77**	**DT80N4**
	1.1	2.0	52000	20200	1606	3	2	**FA127R77**	**DT80N4**
	1.0	3.0	53300	27000	1674	3	2	**FA157R97**	**DT80N4**
	0.95	1.9	57900	20200	1784	3	2	**FA127R77**	**DT80N4**
	0.94	1.2	59400	11800	1813	2	3	**FA107R77**	**DT80N4**
	0.83	1.6	66500	20200	2038	3	2	**FA127R77**	**DT80N4**
	0.80	1.0	70000	11100	2129	2	3	**FA107R77**	**DT80N4**
	0.72	1.4	77100	20200	2357	3	2	**FA127R77**	**DT80N4**
	0.70	2.1	75100	26800	2427	3	2	**FA157R97**	**DT80N4**
	0.64	1.2	88100	20200	2672	3	2	**FA127R77**	**DT80N4**
	0.61	1.9	86400	26400	2780	3	3	**FA157R97**	**DT80N4**
	0.56	1.1	98200	20200	3031	3	3	**FA127R77**	**DT80N4**
1.5	**456.0**	4.5	205	565	3.77	2	-	**FA37**	**DT90S4**
	408.0	4.2	230	585	4.22	2	-	**FA37**	**DT90S4**
	351.0	3.9	270	605	4.90	2	-	**FA37**	**DT90S4**
	330.0	3.9	285	615	5.21	2	-	**FA37**	**DT90S4**
	299.0	9.5	315	980	5.76	2	-	**FA47**	**DT90S4**
	284.0	3.6	335	640	6.05	2	-	**FA37**	**DT90S4**
	272.0	8.9	350	1010	6.34	2	-	**FA47**	**DT90S4**
	255.0	3.3	370	660	6.74	2	-	**FA37**	**DT90S4**
	231.0	3.1	410	675	7.44	2	-	**FA37**	**DT90S4**
	215.0	3.4	440	695	8.01	2	-	**FA37**	**DT90S4**
	192.0	3.1	495	715	8.97	2	-	**FA37**	**DT90S4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
1.5	**165.0**	2.8	575	740	10.42	2	-	**FA37**	**DT90S4**
	155.0	2.8	610	750	11.08	2	-	**FA37**	**DT90S4**
	134.0	2.5	710	775	12.87	2	-	**FA37**	**DT90S4**
	120.0	2.2	790	790	14.33	2	-	**FA37**	**DT90S4**
	109.0	2.0	870	810	15.81	2	-	**FA37**	**DT90S4**
	105.0	3.9	900	1320	16.36	2	-	**FA47**	**DT90S4**
	101.0	1.9	940	820	17.03	2	-	**FA37**	**DT90S4**
	99.0	3.7	950	1340	17.33	2	-	**FA47**	**DT90S4**
	89.0	1.7	1060	830	19.27	2	-	**FA37**	**DT90S4**
	87.0	3.3	1080	1390	19.70	2	-	**FA47**	**DT90S4**
	84.0	1.6	1130	840	20.57	2	-	**FA37**	**DT90S4**
	79.0	3.0	1200	1420	21.82	2	-	**FA47**	**DT90S4**
	72.0	1.4	1310	860	23.88	3	-	**FA37**	**DT90S4**
	67.0	2.5	1410	1470	25.72	2	-	**FA47**	**DT90S4**
	66.0	1.3	1430	870	17.03	2	-	**FA37**	**DT90L6**
	61.0	1.2	1540	870	28.09	3	-	**FA37**	**DT90S4**
	59.0	2.2	1610	1520	29.32	2	-	**FA47**	**DT90S4**
	56.0	2.1	1700	1530	30.86	2	-	**FA47**	**DT90S4**
	54.0	1.0	1740	880	31.69	3	-	**FA37**	**DT90S4**
	52.0	2.0	1830	1560	21.82	2	-	**FA47**	**DT90L6**
	50.0	1.9	1890	1570	34.29	3	-	**FA47**	**DT90S4**
	48.0	2.7	1970	2180	35.79	3	-	**FA57**	**DT90S4**
	47.0	1.8	2010	1590	36.61	3	-	**FA47**	**DT90S4**
	45.0	2.5	2100	2220	38.21	3	-	**FA57**	**DT90S4**
	44.0	1.7	2150	1600	25.72	2	-	**FA47**	**DT90L6**
	40.0	1.5	2360	1630	42.86	3	-	**FA47**	**DT90S4**
	40.0	3.0	2380	2920	43.20	3	-	**FA67**	**DT90S4**
	38.0	2.2	2460	2190	44.73	3	-	**FA57**	**DT90S4**
	36.0	1.4	2640	1590	48.00	3	-	**FA47**	**DT90S4**
	34.0	2.0	2760	2160	50.10	3	-	**FA57**	**DT90S4**
	33.0	1.3	2870	1530	34.29	3	-	**FA47**	**DT90L6**
	32.0	2.5	2950	2920	53.73	3	-	**FA67**	**DT90S4**
	30.0	1.2	3110	1470	56.49	3	-	**FA47**	**DT90S4**
	29.0	1.7	3240	2110	58.97	3	-	**FA57**	**DT90S4**
	28.0	2.2	3360	2900	61.07	3	-	**FA67**	**DT90S4**
	26.0	1.0	3590	1310	65.36	3	-	**FA47**	**DT90S4**
	25.0	1.4	3750	2050	68.22	3	-	**FA57**	**DT90S4**
	25.0	2.0	3720	2860	67.65	3	-	**FA67**	**DT90S4**
	24.0	1.3	4010	2020	72.98	3	-	**FA57**	**DT90S4**
	24.0	3.3	3990	4440	72.50	3	-	**FA77**	**DT90S4**
	23.0	3.2	4120	4440	75.02	3	-	**FA77**	**DT90S4**
	22.0	1.7	4390	2790	79.76	3	-	**FA67**	**DT90S4**
	21.0	1.2	4590	1950	83.46	3	-	**FA57**	**DT90S4**

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See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
1.5	**20.0**	2.8	4700	4410	85.52	3	-	**FA77**	**DT90S4**
	19.0	1.5	4980	2720	90.59	3	-	**FA67**	**DT90S4**
	18.0	1.1	5140	1870	93.47	3	-	**FA57**	**DT90S4**
	18.0	1.4	5280	2680	95.94	3	-	**FA67**	**DT90S4**
	18.0	2.5	5220	4390	94.93	3	-	**FA77**	**DT90S4**
	16.0	1.2	6000	2570	109.04	3	-	**FA67**	**DT90S4**
	16.0	2.2	5960	4340	108.46	3	-	**FA77**	**DT90S4**
	15.0	2.1	6290	4320	114.45	3	-	**FA77**	**DT90S4**
	14.0	1.1	6640	2450	120.79	3	-	**FA67**	**DT90S4**
	14.0	3.9	6780	6620	123.29	3	-	**FA87**	**DT90S4**
	13.0	1.9	7170	4260	130.42	3	-	**FA77**	**DT90S4**
	13.0	3.6	7380	6590	134.16	3	-	**FA87**	**DT90S4**
	12.0	1.7	7820	4210	142.27	3	-	**FA77**	**DT90S4**
	12.0	3.2	8190	6550	97.89	3	-	**FA87**	**DT90L6**
	11.0	3.0	8780	6520	159.61	3	-	**FA87**	**DT90S4**
	10.0	1.5	9150	4080	166.47	3	-	**FA77**	**DT90S4**
	9.6	2.7	9900	6450	179.97	3	-	**FA87**	**DT90S4**
	9.1	1.3	10400	3950	188.40	3	-	**FA77**	**DT90S4**
	8.7	1.2	10900	3880	198.31	3	-	**FA77**	**DT90S4**
	8.7	2.5	10800	6400	197.20	3	-	**FA87**	**DT90S4**
	8.6	1.4	9880	4010	199	3	2	**FA77R37**	**DT90S4**
	7.9	1.1	11900	3750	142.27	3	-	**FA77**	**DT90L6**
	7.5	2.1	12600	6300	228.93	3	-	**FA87**	**DT90S4**
	7.1	2.0	13400	6250	159.61	3	-	**FA87**	**DT90L6**
	7.0	1.1	12300	3680	247	3	2	**FA77R37**	**DT90S4**
	6.9	2.2	12200	6320	249	3	2	**FA87R57**	**DT90S4**
	6.7	1.9	14000	6200	255.37	3	-	**FA87**	**DT90S4**
	6.3	1.8	14900	6140	270.68	3	-	**FA87**	**DT90S4**
	6.2	2.5	15200	8070	276.77	3	-	**FA97**	**DT90S4**
	5.9	2.4	15900	8040	189.92	3	-	**FA97**	**DT90L6**
	5.7	1.6	16500	6030	197.20	3	-	**FA87**	**DT90L6**
	5.5	1.7	15800	6080	315	2	2	**FA87R57**	**DT90S4**
	5.4	2.4	15800	8040	317	2	2	**FA97R57**	**DT90S4**
	5.1	2.0	18700	7900	223.88	3	-	**FA97**	**DT90L6**
	4.9	1.4	19200	5830	228.93	3	-	**FA87**	**DT90L6**
	4.8	2.1	18100	7940	361	2	2	**FA97R57**	**DT90S4**
	4.7	2.1	17800	7950	363	3	2	**FA97R57**	**DT90S4**
	4.5	1.8	21200	7780	253.41	3	-	**FA97**	**DT90L6**
	4.4	1.3	21400	5640	255.37	3	-	**FA87**	**DT90L6**
	4.4	3.6	19200	13900	387	2	2	**FA107R77**	**DT90S4**
	4.3	1.9	20200	7830	403	2	2	**FA97R57**	**DT90S4**
	4.2	1.2	22700	5530	270.68	3	-	**FA87**	**DT90L6**
	4.2	1.9	19900	7850	406	3	2	**FA97R57**	**DT90S4**

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See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
1.5	**4.1**	1.7	23200	7680	276.77	3	-	**FA97**	**DT90L6**
	4.0	3.2	21400	13800	430	2	2	**FA107R77**	**DT90S4**
	3.8	1.2	22400	5550	452	3	2	**FA87R57**	**DT90S4**
	3.7	1.1	23700	5430	468	2	2	**FA87R57**	**DT90S4**
	3.7	1.7	23000	7680	467	3	2	**FA97R57**	**DT90S4**
	3.6	1.6	23800	7640	473	2	2	**FA97R57**	**DT90S4**
	3.5	2.8	24600	13700	491	2	2	**FA107R77**	**DT90S4**
	3.4	1.5	25700	7530	510	2	2	**FA97R57**	**DT90S4**
	3.3	1.0	26300	4670	519	2	2	**FA87R57**	**DT90S4**
	3.3	2.7	25900	13600	518	2	2	**FA107R77**	**DT90S4**
	3.2	1.5	26100	7510	529	3	2	**FA97R57**	**DT90S4**
	3.1	2.5	27100	13500	560	3	2	**FA107R77**	**DT90S4**
	3.0	1.4	28700	7360	569	2	2	**FA97R57**	**DT90S4**
	2.9	2.3	29700	13400	591	2	2	**FA107R77**	**DT90S4**
	2.8	1.3	29900	7280	605	3	2	**FA97R57**	**DT90S4**
	2.7	2.1	32400	13300	644	2	2	**FA107R77**	**DT90S4**
	2.6	1.2	33800	7030	667	2	2	**FA97R57**	**DT90S4**
	2.5	2.0	34100	13200	696	2	3	**FA107R77**	**DT90S4**
	2.4	3.0	35200	20200	727	3	2	**FA127R77**	**DT90S4**
	2.3	1.0	38500	6680	760	2	2	**FA97R57**	**DT90S4**
	2.2	1.0	39000	6650	784	3	2	**FA97R57**	**DT90S4**
	2.2	1.8	39300	12900	800	2	3	**FA107R77**	**DT90S4**
	2.1	2.7	39800	20200	820	3	2	**FA127R77**	**DT90S4**
	1.9	1.6	45400	12600	923	2	3	**FA107R77**	**DT90S4**
	1.9	2.3	45300	20200	930	3	2	**FA127R77**	**DT90S4**
	1.7	1.4	50100	12300	1015	2	3	**FA107R77**	**DT90S4**
	1.6	1.3	53800	12100	1087	3	2	**FA107R77**	**DT90S4**
	1.6	2.0	52800	20200	1077	3	2	**FA127R77**	**DT90S4**
	1.5	2.9	55600	27000	1169	3	2	**FA157R97**	**DT90S4**
	1.4	1.1	62600	11600	1263	2	3	**FA107R77**	**DT90S4**
	1.4	1.8	59500	20200	1220	3	2	**FA127R77**	**DT90S4**
	1.3	2.5	62600	27000	1308	3	2	**FA157R97**	**DT90S4**
	1.2	1.0	69100	11100	1401	3	2	**FA107R77**	**DT90S4**
	1.2	1.6	68000	20200	1390	3	2	**FA127R77**	**DT90S4**
	1.1	1.4	78600	20200	1606	3	2	**FA127R77**	**DT90S4**
	1.0	2.0	81100	26600	1674	3	2	**FA157R97**	**DT90S4**
	0.96	1.2	87500	20200	1784	3	2	**FA127R77**	**DT90S4**
	0.88	1.8	91900	26200	1944	3	2	**FA157R97**	**DT90S4**
	0.84	1.1	100300	20200	2038	3	2	**FA127R77**	**DT90S4**
	0.79	1.6	103200	25800	2185	3	2	**FA157R97**	**DT90S4**
	0.71	1.4	115400	25200	2427	3	2	**FA157R97**	**DT90S4**
	0.62	1.2	131900	24300	2780	3	3	**FA157R97**	**DT90S4**

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See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
2.0	**456.0**	3.4	275	550	3.77	2	-	**FA37**	**DT90L4**
	408.0	3.2	310	565	4.22	2	-	**FA37**	**DT90L4**
	351.0	3.0	360	585	4.90	2	-	**FA37**	**DT90L4**
	330.0	2.9	380	595	5.21	2	-	**FA37**	**DT90L4**
	299.0	7.1	420	960	5.76	2	-	**FA47**	**DT90L4**
	284.0	2.7	445	615	6.05	2	-	**FA37**	**DT90L4**
	272.0	6.7	465	990	6.34	2	-	**FA47**	**DT90L4**
	255.0	2.5	495	630	6.74	2	-	**FA37**	**DT90L4**
	231.0	2.3	545	645	7.44	2	-	**FA37**	**DT90L4**
	215.0	2.6	590	665	8.01	2	-	**FA37**	**DT90L4**
	192.0	2.4	655	680	8.97	2	-	**FA37**	**DT90L4**
	165.0	2.1	765	700	10.42	2	-	**FA37**	**DT90L4**
	155.0	2.1	810	710	11.08	2	-	**FA37**	**DT90L4**
	136.0	3.8	930	1200	12.66	2	-	**FA47**	**DT90L4**
	134.0	1.9	940	725	12.87	2	-	**FA37**	**DT90L4**
	123.0	3.5	1020	1220	13.93	2	-	**FA47**	**DT90L4**
	120.0	1.7	1050	735	14.33	2	-	**FA37**	**DT90L4**
	109.0	1.6	1160	745	15.81	2	-	**FA37**	**DT90L4**
	105.0	3.0	1200	1270	16.36	2	-	**FA47**	**DT90L4**
	101.0	1.4	1250	755	17.03	2	-	**FA37**	**DT90L4**
	99.0	2.8	1270	1290	17.33	2	-	**FA47**	**DT90L4**
	89.0	1.3	1410	760	19.27	2	-	**FA37**	**DT90L4**
	87.0	2.5	1440	1320	19.70	2	-	**FA47**	**DT90L4**
	84.0	1.2	1510	765	20.57	2	-	**FA37**	**DT90L4**
	79.0	2.2	1600	1350	21.82	2	-	**FA47**	**DT90L4**
	78.0	1.1	1610	765	14.33	2	-	**FA37**	**DT100L6**
	72.0	1.0	1750	770	23.88	3	-	**FA37**	**DT90L4**
	69.0	2.8	1830	1920	24.96	2	-	**FA57**	**DT90L4**
	67.0	1.9	1890	1390	25.72	2	-	**FA47**	**DT90L4**
	63.0	3.6	2010	2920	27.41	2	-	**FA67**	**DT90L4**
	60.0	2.3	2090	1980	28.45	2	-	**FA57**	**DT90L4**
	59.0	1.7	2150	1420	29.32	2	-	**FA47**	**DT90L4**
	57.0	2.2	2200	2000	29.94	2	-	**FA57**	**DT90L4**
	56.0	1.6	2260	1440	30.86	2	-	**FA47**	**DT90L4**
	54.0	3.1	2350	2920	32.08	2	-	**FA67**	**DT90L4**
	51.0	2.6	2490	2920	34.01	3	-	**FA67**	**DT90L4**
	50.0	1.4	2510	1460	34.29	3	-	**FA47**	**DT90L4**
	48.0	2.0	2620	2080	35.79	3	-	**FA57**	**DT90L4**
	47.0	1.3	2680	1470	36.61	3	-	**FA47**	**DT90L4**
	47.0	2.7	2660	2920	36.30	2	-	**FA67**	**DT90L4**
	45.0	1.9	2800	2110	38.21	3	-	**FA57**	**DT90L4**
	44.0	1.2	2900	1480	25.72	2	-	**FA47**	**DT100L6**
	44.0	2.4	2880	2920	39.26	3	-	**FA67**	**DT90L4**

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See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
2.0	**40.0**	1.2	3140	1460	42.86	3	-	**FA47**	**DT90L4**
	40.0	2.3	3170	2910	43.20	3	-	**FA67**	**DT90L4**
	38.0	1.6	3280	2110	44.73	3	-	**FA57**	**DT90L4**
	36.0	1.0	3520	1340	48.00	3	-	**FA47**	**DT90L4**
	34.0	1.5	3670	2060	50.10	3	-	**FA57**	**DT90L4**
	34.0	2.0	3720	2860	50.74	3	-	**FA67**	**DT90L4**
	32.0	1.9	3940	2840	53.73	3	-	**FA67**	**DT90L4**
	31.0	1.3	4030	2020	35.79	3	-	**FA57**	**DT100L6**
	31.0	2.4	4120	4440	36.58	2	-	**FA77**	**DT100L6**
	29.0	1.3	4320	1980	58.97	3	-	**FA57**	**DT90L4**
	29.0	3.1	4280	4430	58.32	3	-	**FA77**	**DT90L4**
	28.0	1.6	4480	2780	61.07	3	-	**FA67**	**DT90L4**
	26.0	2.7	4870	4400	66.46	3	-	**FA77**	**DT90L4**
	25.0	1.1	5000	1890	68.22	3	-	**FA57**	**DT90L4**
	25.0	1.5	4960	2720	67.65	3	-	**FA67**	**DT90L4**
	24.0	1.0	5350	1840	72.98	3	-	**FA57**	**DT90L4**
	24.0	2.5	5310	4380	72.50	3	-	**FA77**	**DT90L4**
	23.0	2.4	5500	4370	75.02	3	-	**FA77**	**DT90L4**
	22.0	1.3	5850	2590	79.76	3	-	**FA67**	**DT90L4**
	20.0	2.1	6270	4320	85.52	3	-	**FA77**	**DT90L4**
	19.0	1.1	6640	2450	90.59	3	-	**FA67**	**DT90L4**
	19.0	2.0	6570	4300	58.32	3	-	**FA77**	**DT100L6**
	18.0	1.1	7030	2370	95.94	3	-	**FA67**	**DT90L4**
	18.0	1.9	6960	4280	94.93	3	-	**FA77**	**DT90L4**
	18.0	3.7	7180	6600	97.89	3	-	**FA87**	**DT90L4**
	16.0	1.7	7950	4200	108.46	3	-	**FA77**	**DT90L4**
	16.0	3.3	8030	6550	109.49	3	-	**FA87**	**DT90L4**
	15.0	1.6	8390	4160	114.45	3	-	**FA77**	**DT90L4**
	15.0	3.1	8600	6520	76.39	3	-	**FA87**	**DT100L6**
	14.0	2.9	9040	6500	123.29	3	-	**FA87**	**DT90L4**
	13.0	1.4	9560	4040	130.42	3	-	**FA77**	**DT90L4**
	13.0	2.7	9840	6460	134.16	3	-	**FA87**	**DT90L4**
	12.0	1.3	10400	3940	142.27	3	-	**FA77**	**DT90L4**
	11.0	2.3	11700	6350	159.61	3	-	**FA87**	**DT90L4**
	10.0	1.1	12200	3700	166.47	3	-	**FA77**	**DT90L4**
	9.8	1.1	12900	3600	114.45	3	-	**FA77**	**DT100L6**
	9.6	2.0	13200	6260	179.97	3	-	**FA87**	**DT90L4**
	8.9	2.0	13100	6260	193	2	2	**FA87R57**	**DT90L4**
	8.7	1.9	14500	6170	197.20	3	-	**FA87**	**DT90L4**
	8.6	1.0	13300	3540	199	3	2	**FA77R37**	**DT90L4**
	8.1	1.9	14300	6190	211	2	2	**FA87R57**	**DT90L4**
	7.7	2.3	16400	8010	223.88	3	-	**FA97**	**DT90L4**
	7.5	1.6	16800	6010	228.93	3	-	**FA87**	**DT90L4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
2.0	**6.8**	2.0	18600	7910	253.41	3	-	**FA97**	**DT90L4**
	6.7	1.4	18700	5860	255.37	3	-	**FA87**	**DT90L4**
	6.4	2.0	19700	7860	174.87	3	-	**FA97**	**DT100L6**
	6.3	1.4	19800	5770	270.68	3	-	**FA87**	**DT90L4**
	6.2	2.0	18600	7910	275	2	2	**FA97R57**	**DT90L4**
	6.1	1.4	18900	5840	281	2	2	**FA87R57**	**DT90L4**
	6.0	2.0	18900	7900	285	3	2	**FA97R57**	**DT90L4**
	5.7	1.2	22200	5570	197.20	3	-	**FA87**	**DT100L6**
	5.7	1.4	19800	5770	300	3	2	**FA87R57**	**DT90L4**
	5.6	3.0	22400	13800	199.31	3	-	**FA107**	**DT100L6**
	5.5	1.3	21300	5650	315	2	2	**FA87R57**	**DT90L4**
	5.2	2.8	24300	13700	215.37	3	-	**FA107**	**DT100L6**
	5.2	3.1	22000	13800	333	3	2	**FA107R77**	**DT90L4**
	5.1	3.1	22700	13800	340	2	2	**FA107R77**	**DT90L4**
	5.0	1.5	25200	7560	223.88	3	-	**FA97**	**DT100L6**
	4.9	1.1	25800	5120	228.93	3	-	**FA87**	**DT100L6**
	4.8	1.6	24300	7610	361	2	2	**FA97R57**	**DT90L4**
	4.7	2.8	24400	13700	370	3	2	**FA107R77**	**DT90L4**
	4.4	1.4	28500	7370	253.41	3	-	**FA97**	**DT100L6**
	4.4	2.4	28600	13500	254.40	3	-	**FA107**	**DT100L6**
	4.4	2.7	25900	13600	387	2	2	**FA107R77**	**DT90L4**
	4.3	1.0	26900	4080	398	2	2	**FA87R57**	**DT90L4**
	4.3	1.4	27100	7450	403	2	2	**FA97R57**	**DT90L4**
	4.2	1.4	26800	7470	406	3	2	**FA97R57**	**DT90L4**
	4.1	1.2	31200	7200	276.77	3	-	**FA97**	**DT100L6**
	4.0	2.4	28800	13500	430	2	2	**FA107R77**	**DT90L4**
	3.7	1.3	31000	7210	467	3	2	**FA97R57**	**DT90L4**
	3.6	1.2	31900	7150	473	2	2	**FA97R57**	**DT90L4**
	3.5	2.1	33000	13300	491	2	2	**FA107R77**	**DT90L4**
	3.4	1.1	34500	6970	510	2	2	**FA97R57**	**DT90L4**
	3.3	2.0	34900	13200	518	2	2	**FA107R77**	**DT90L4**
	3.2	1.1	35100	6940	529	3	2	**FA97R57**	**DT90L4**
	3.1	1.9	36700	13100	560	3	2	**FA107R77**	**DT90L4**
	3.1	2.9	36300	20200	549	3	2	**FA127R77**	**DT90L4**
	3.0	1.0	38500	6680	569	2	2	**FA97R57**	**DT90L4**
	2.9	1.8	39900	12900	591	2	2	**FA107R77**	**DT90L4**
	2.7	1.6	43500	12700	644	2	2	**FA107R77**	**DT90L4**
	2.7	2.5	42800	20200	648	3	2	**FA127R77**	**DT90L4**
	2.5	1.5	45900	12600	696	2	3	**FA107R77**	**DT90L4**
	2.4	2.2	47600	20200	727	3	2	**FA127R77**	**DT90L4**
	2.3	1.4	48200	12400	736	3	2	**FA107R77**	**DT90L4**
	2.2	1.3	52800	12200	800	2	3	**FA107R77**	**DT90L4**
	2.1	2.0	53800	20200	820	3	2	**FA127R77**	**DT90L4**

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See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
2.0	**2.0**	3.0	53700	27000	845	3	2	**FA157R97**	**DT90L4**
	1.9	1.2	61100	11600	923	2	3	**FA107R77**	**DT90L4**
	1.9	1.8	61100	20200	930	3	2	**FA127R77**	**DT90L4**
	1.8	2.6	60900	27000	953	3	2	**FA157R97**	**DT90L4**
	1.7	1.1	67400	11200	1015	2	3	**FA107R77**	**DT90L4**
	1.6	1.5	71200	20200	1077	3	2	**FA127R77**	**DT90L4**
	1.5	2.1	75400	26800	1169	3	2	**FA157R97**	**DT90L4**
	1.4	1.3	80200	20200	1220	3	2	**FA127R77**	**DT90L4**
	1.3	1.9	84800	26500	1308	3	2	**FA157R97**	**DT90L4**
	1.2	1.2	91700	20200	1390	3	2	**FA127R77**	**DT90L4**
	1.1	1.0	105900	20200	1606	3	2	**FA127R77**	**DT90L4**
	1.0	1.5	109600	25500	1674	3	2	**FA157R97**	**DT90L4**
	0.88	1.3	124900	24700	1944	3	2	**FA157R97**	**DT90L4**
	0.79	1.2	140400	23800	2185	3	2	**FA157R97**	**DT90L4**
	0.71	1.0	156700	22700	2427	3	2	**FA157R97**	**DT90L4**
3.0	**456.0**	2.2	415	515	3.77	2	-	**FA37**	**DT100LS4**
	408.0	2.1	465	530	4.22	2	-	**FA37**	**DT100LS4**
	351.0	2.0	540	545	4.90	2	-	**FA37**	**DT100LS4**
	330.0	2.0	575	550	5.21	2	-	**FA37**	**DT100LS4**
	299.0	4.8	635	920	5.76	2	-	**FA47**	**DT100LS4**
	287.0	5.7	660	1250	5.98	2	-	**FA57**	**DT100LS4**
	284.0	1.8	665	565	6.05	2	-	**FA37**	**DT100LS4**
	272.0	4.4	695	940	6.34	2	-	**FA47**	**DT100LS4**
	261.0	5.1	725	1290	6.58	2	-	**FA57**	**DT100LS4**
	255.0	1.7	740	575	6.74	2	-	**FA37**	**DT100LS4**
	254.0	7.3	745	2680	6.78	2	-	**FA67**	**DT100LS4**
	231.0	4.1	820	980	7.44	2	-	**FA47**	**DT100LS4**
	218.0	3.9	870	990	7.88	2	-	**FA47**	**DT100LS4**
	215.0	1.7	880	605	8.01	2	-	**FA37**	**DT100LS4**
	210.0	4.1	900	1360	8.19	2	-	**FA57**	**DT100LS4**
	200.0	5.3	950	2860	8.60	2	-	**FA67**	**DT100LS4**
	192.0	1.6	990	610	8.97	2	-	**FA37**	**DT100LS4**
	192.0	3.0	980	1020	8.96	2	-	**FA47**	**DT100LS4**
	185.0	3.6	1020	1410	9.31	2	-	**FA57**	**DT100LS4**
	178.0	6.8	1060	2920	9.66	2	-	**FA67**	**DT100LS4**
	165.0	1.5	1150	620	10.42	2	-	**FA37**	**DT100LS4**
	157.0	2.9	1210	1090	10.97	2	-	**FA47**	**DT100LS4**
	155.0	1.4	1220	625	11.08	2	-	**FA37**	**DT100LS4**
	136.0	2.5	1390	1120	12.66	2	-	**FA47**	**DT100LS4**
	134.0	1.3	1410	625	12.87	2	-	**FA37**	**DT100LS4**
	123.0	2.3	1530	1140	13.93	2	-	**FA47**	**DT100LS4**
	120.0	1.1	1580	625	14.33	2	-	**FA37**	**DT100LS4**
	105.0	2.0	1800	1170	16.36	2	-	**FA47**	**DT100LS4**

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See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
3.0	**102.0**	2.9	1850	1650	16.81	2	-	**FA57**	**DT100LS4**
	99.0	1.9	1910	1180	17.33	2	-	**FA47**	**DT100LS4**
	94.0	3.6	2010	2920	18.29	2	-	**FA67**	**DT100LS4**
	90.0	2.5	2100	1690	19.11	2	-	**FA57**	**DT100LS4**
	87.0	1.7	2170	1200	19.70	2	-	**FA47**	**DT100LS4**
	81.0	2.3	2330	1730	21.17	2	-	**FA57**	**DT100LS4**
	79.0	1.5	2400	1210	21.82	2	-	**FA47**	**DT100LS4**
	78.0	3.0	2430	2920	22.05	2	-	**FA67**	**DT100LS4**
	69.0	1.9	2740	1780	24.96	2	-	**FA57**	**DT100LS4**
	68.0	2.6	2760	2920	25.13	2	-	**FA67**	**DT100LS4**
	67.0	1.3	2830	1230	25.72	2	-	**FA47**	**DT100LS4**
	63.0	2.4	3020	2920	27.41	2	-	**FA67**	**DT100LS4**
	60.0	1.1	3180	1240	28.88	3	-	**FA47**	**DT100LS4**
	57.0	1.6	3320	1840	30.15	3	-	**FA57**	**DT100LS4**
	54.0	2.1	3530	2880	32.08	2	-	**FA67**	**DT100LS4**
	52.0	2.0	3660	2870	22.05	2	-	**FA67**	**DV112M6**
	51.0	1.8	3740	2860	34.01	3	-	**FA67**	**DT100LS4**
	48.0	1.4	3940	1880	35.79	3	-	**FA57**	**DT100LS4**
	47.0	2.4	4020	4440	36.58	2	-	**FA77**	**DT100LS4**
	45.0	1.3	4200	1900	38.21	3	-	**FA57**	**DT100LS4**
	45.0	3.2	4200	4440	38.23	3	-	**FA77**	**DT100LS4**
	44.0	1.6	4320	2800	39.26	3	-	**FA67**	**DT100LS4**
	40.0	1.6	4750	2750	43.20	3	-	**FA67**	**DT100LS4**
	39.0	2.8	4790	4410	43.58	3	-	**FA77**	**DT100LS4**
	38.0	1.1	4920	1900	44.73	3	-	**FA57**	**DT100LS4**
	36.0	2.5	5320	4380	48.37	3	-	**FA77**	**DT100LS4**
	34.0	1.3	5580	2630	50.74	3	-	**FA67**	**DT100LS4**
	32.0	1.3	5910	2580	53.73	3	-	**FA67**	**DT100LS4**
	31.0	2.2	6080	4340	55.27	3	-	**FA77**	**DT100LS4**
	29.0	2.1	6410	4310	58.32	3	-	**FA77**	**DT100LS4**
	28.0	1.1	6720	2430	61.07	3	-	**FA67**	**DT100LS4**
	26.0	1.8	7310	4250	66.46	3	-	**FA77**	**DT100LS4**
	25.0	1.0	7440	2270	67.65	3	-	**FA67**	**DT100LS4**
	25.0	3.5	7520	5800	68.40	3	-	**FA87**	**DT100LS4**
	24.0	1.7	7970	4190	72.50	3	-	**FA77**	**DT100LS4**
	23.0	1.6	8250	4170	75.02	3	-	**FA77**	**DT100LS4**
	23.0	3.2	8400	5950	76.39	3	-	**FA87**	**DT100LS4**
	20.0	1.4	9410	4060	85.52	3	-	**FA77**	**DT100LS4**
	20.0	2.7	9680	6160	88.01	3	-	**FA87**	**DT100LS4**
	18.0	1.3	10400	3940	94.93	3	-	**FA77**	**DT100LS4**
	18.0	2.5	10800	6310	97.89	3	-	**FA87**	**DT100LS4**
	16.0	1.1	11900	3740	108.46	3	-	**FA77**	**DT100LS4**
	16.0	2.2	12000	6330	109.49	3	-	**FA87**	**DT100LS4**

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[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
3.0	**15.0**	1.1	12600	3650	114.45	3	-	**FA77**	**DT100LS4**
	15.0	2.1	12700	6290	76.39	3	-	**FA87**	**DV112M6**
	14.0	2.0	13600	6230	123.29	3	-	**FA87**	**DT100LS4**
	13.0	1.8	14800	6150	134.16	3	-	**FA87**	**DT100LS4**
	13.0	2.5	14900	8080	89.85	3	-	**FA97**	**DV112M6**
	12.0	1.7	16200	6050	97.89	3	-	**FA87**	**DV112M6**
	12.0	2.5	15500	8060	140.71	3	-	**FA97**	**DT100LS4**
	11.0	1.5	17600	5950	159.61	3	-	**FA87**	**DT100LS4**
	11.0	2.2	17200	7980	156.30	3	-	**FA97**	**DT100LS4**
	9.8	2.0	19200	7880	174.87	3	-	**FA97**	**DT100LS4**
	9.6	1.4	19800	5780	179.97	3	-	**FA87**	**DT100LS4**
	9.1	1.8	20900	7800	189.92	3	-	**FA97**	**DT100LS4**
	8.9	1.4	19700	5780	193	2	2	**FA87R57**	**DT100LS4**
	8.8	2.0	19500	7870	195	3	2	**FA97R57**	**DT100LS4**
	8.7	1.2	21700	5610	197.20	3	-	**FA87**	**DT100LS4**
	8.6	3.1	21900	13800	199.31	3	-	**FA107**	**DT100LS4**
	8.3	1.8	20900	7800	208	3	2	**FA97R57**	**DT100LS4**
	8.1	1.3	21600	5630	211	2	2	**FA87R57**	**DT100LS4**
	8.0	2.9	23700	13700	215.37	3	-	**FA107**	**DT100LS4**
	7.7	1.6	24600	7600	223.88	3	-	**FA97**	**DT100LS4**
	7.5	1.1	25200	5290	228.93	3	-	**FA87**	**DT100LS4**
	7.1	1.0	26500	4500	159.61	3	-	**FA87**	**DV112M6**
	6.9	1.1	24900	5320	249	3	2	**FA87R57**	**DT100LS4**
	6.8	1.4	27900	7410	253.41	3	-	**FA97**	**DT100LS4**
	6.8	2.4	28000	13500	254.40	3	-	**FA107**	**DT100LS4**
	6.4	2.3	29600	13400	178.64	3	-	**FA107**	**DV112M6**
	6.2	1.3	30400	7250	276.77	3	-	**FA97**	**DT100LS4**
	6.2	1.4	28100	7390	275	2	2	**FA97R57**	**DT100LS4**
	6.0	1.2	31500	7180	189.92	3	-	**FA97**	**DV112M6**
	6.0	1.4	28600	7360	285	3	2	**FA97R57**	**DT100LS4**
	5.9	2.3	29100	13400	291	3	2	**FA107R77**	**DT100LS4**
	5.7	2.0	33100	13200	199.31	3	-	**FA107**	**DV112M6**
	5.7	2.0	33100	13200	199.31	3	-	**FA107**	**DV112M6**
	5.7	2.3	30300	13400	300	2	2	**FA107R77**	**DT100LS4**
	5.4	1.2	32200	7130	317	2	2	**FA97R57**	**DT100LS4**
	5.3	1.9	35700	13100	215.37	3	-	**FA107**	**DV112M6**
	5.1	1.0	37100	6790	223.88	3	-	**FA97**	**DV112M6**
	5.1	2.0	34400	13200	340	2	2	**FA107R77**	**DT100LS4**
	4.8	1.1	36800	6810	361	2	2	**FA97R57**	**DT100LS4**
	4.7	1.1	36400	6840	363	3	2	**FA97R57**	**DT100LS4**
	4.7	1.9	37000	13000	370	3	2	**FA107R77**	**DT100LS4**
	4.6	2.8	37500	20200	376	3	2	**FA127R77**	**DT100LS4**
	4.5	1.6	42200	12800	254.40	3	-	**FA107**	**DV112M6**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
3.0	**4.4**	1.8	39300	12900	387	2	2	**FA107R77**	**DT100LS4**
	4.0	1.6	43700	12700	430	2	2	**FA107R77**	**DT100LS4**
	4.0	2.5	42800	20200	428	3	2	**FA127R77**	**DT100LS4**
	3.5	1.4	50000	12300	491	2	2	**FA107R77**	**DT100LS4**
	3.5	2.2	49400	20200	495	3	2	**FA127R77**	**DT100LS4**
	3.3	1.3	52800	12200	518	2	2	**FA107R77**	**DT100LS4**
	3.1	1.2	55700	12000	560	3	2	**FA107R77**	**DT100LS4**
	3.1	2.0	54900	20200	549	3	2	**FA127R77**	**DT100LS4**
	3.0	2.9	55700	27000	576	3	2	**FA157R97**	**DT100LS4**
	2.9	1.2	60200	11700	591	2	2	**FA107R77**	**DT100LS4**
	2.7	1.1	65800	11300	644	2	2	**FA107R77**	**DT100LS4**
	2.7	1.7	64800	20200	648	3	2	**FA127R77**	**DT100LS4**
	2.5	1.0	69500	11100	696	2	3	**FA107R77**	**DT100LS4**
	2.5	2.4	66100	27000	680	3	2	**FA157R97**	**DT100LS4**
	2.4	1.5	72300	20200	727	3	2	**FA127R77**	**DT100LS4**
	2.2	2.2	74200	26800	764	3	2	**FA157R97**	**DT100LS4**
	2.1	1.3	81700	20200	820	3	2	**FA127R77**	**DT100LS4**
	2.0	2.0	82400	26600	845	3	2	**FA157R97**	**DT100LS4**
	1.9	1.2	92700	20200	930	3	2	**FA127R77**	**DT100LS4**
	1.8	1.7	93300	26200	953	3	2	**FA157R97**	**DT100LS4**
	1.6	1.0	107800	20200	1077	3	2	**FA127R77**	**DT100LS4**
	1.5	1.4	115200	25200	1169	3	2	**FA157R97**	**DT100LS4**
	1.3	1.3	129200	24500	1308	3	2	**FA157R97**	**DT100LS4**
	1.2	1.2	138600	23900	1441	3	3	**FA157R97**	**DT100LS4**
5.0	**446.0**	1.3	705	455	3.77	2	-	**FA37**	**DT100L4**
	423.0	5.9	745	2290	3.97	2	-	**FA67**	**DT100L4**
	398.0	1.3	790	460	4.22	2	-	**FA37**	**DT100L4**
	361.0	5.7	870	2380	4.66	2	-	**FA67**	**DT100L4**
	343.0	1.2	920	460	4.90	2	-	**FA37**	**DT100L4**
	337.0	3.0	940	820	4.99	2	-	**FA47**	**DT100L4**
	324.0	3.8	970	1150	5.18	2	-	**FA57**	**DT100L4**
	322.0	1.2	980	460	5.21	2	-	**FA37**	**DT100L4**
	292.0	2.8	1080	840	5.76	2	-	**FA47**	**DT100L4**
	281.0	3.3	1120	1190	5.98	2	-	**FA57**	**DT100L4**
	278.0	1.1	1140	460	6.05	2	-	**FA37**	**DT100L4**
	265.0	2.6	1190	860	6.34	2	-	**FA47**	**DT100L4**
	255.0	3.0	1240	1210	6.58	2	-	**FA57**	**DT100L4**
	249.0	1.0	1260	460	6.74	2	-	**FA37**	**DT100L4**
	226.0	2.4	1400	880	7.44	2	-	**FA47**	**DT100L4**
	217.0	2.6	1450	1260	7.73	2	-	**FA57**	**DT100L4**
	213.0	2.3	1480	880	7.88	2	-	**FA47**	**DT100L4**
	210.0	1.0	1500	480	8.01	2	-	**FA37**	**DT100L4**
	205.0	2.4	1540	1270	8.19	2	-	**FA57**	**DT100L4**

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See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
5.0	**195.0**	3.1	1610	2780	8.60	2	-	**FA67**	**DT100L4**
	188.0	1.8	1680	890	8.96	2	-	**FA47**	**DT100L4**
	185.0	2.8	1700	2820	9.08	2	-	**FA67**	**DT100L4**
	180.0	2.1	1750	1300	9.31	2	-	**FA57**	**DT100L4**
	158.0	2.7	2000	1370	10.64	2	-	**FA57**	**DT100L4**
	153.0	1.7	2060	950	10.97	2	-	**FA47**	**DT100L4**
	137.0	2.3	2310	1400	12.29	2	-	**FA57**	**DT100L4**
	133.0	1.5	2380	960	12.66	2	-	**FA47**	**DT100L4**
	132.0	3.0	2390	2920	12.76	2	-	**FA67**	**DT100L4**
	124.0	2.1	2540	1420	13.52	2	-	**FA57**	**DT100L4**
	121.0	1.4	2610	960	13.93	2	-	**FA47**	**DT100L4**
	116.0	2.7	2710	2920	14.46	2	-	**FA67**	**DT100L4**
	106.0	1.8	2980	1460	15.88	2	-	**FA57**	**DT100L4**
	103.0	1.2	3070	960	16.36	2	-	**FA47**	**DT100L4**
	102.0	2.3	3090	2920	16.48	2	-	**FA67**	**DT100L4**
	100.0	1.7	3160	1470	16.81	2	-	**FA57**	**DT100L4**
	97.0	1.1	3250	960	17.33	2	-	**FA47**	**DT100L4**
	92.0	2.1	3430	2890	18.29	2	-	**FA67**	**DT100L4**
	88.0	1.5	3590	1490	19.11	2	-	**FA57**	**DT100L4**
	85.0	3.6	3700	4460	19.70	2	-	**FA77**	**DT100L4**
	79.0	1.4	3970	1500	21.17	2	-	**FA57**	**DT100L4**
	78.0	3.3	4020	4440	21.43	2	-	**FA77**	**DT100L4**
	76.0	1.8	4140	2820	22.05	2	-	**FA67**	**DT100L4**
	67.0	1.1	4680	1510	24.96	2	-	**FA57**	**DT100L4**
	67.0	1.6	4720	2750	25.13	2	-	**FA67**	**DT100L4**
	66.0	2.8	4780	4410	25.50	2	-	**FA77**	**DT100L4**
	61.0	1.4	5140	2700	27.41	2	-	**FA67**	**DT100L4**
	58.0	2.3	5400	4380	28.75	2	-	**FA77**	**DT100L4**
	53.0	2.1	5910	4350	31.51	2	-	**FA77**	**DT100L4**
	52.0	1.2	6020	2560	32.08	2	-	**FA67**	**DT100L4**
	50.0	2.1	6330	4320	33.74	3	-	**FA77**	**DT100L4**
	49.0	1.1	6380	2500	34.01	3	-	**FA67**	**DT100L4**
	46.0	1.5	6860	4280	36.58	2	-	**FA77**	**DT100L4**
	44.0	1.9	7170	4260	38.23	3	-	**FA77**	**DT100L4**
	43.0	3.3	7380	4750	39.30	3	-	**FA87**	**DT100L4**
	39.0	1.6	8180	4180	43.58	3	-	**FA77**	**DT100L4**
	37.0	2.9	8500	4910	45.28	3	-	**FA87**	**DT100L4**
	35.0	1.5	9080	4090	48.37	3	-	**FA77**	**DT100L4**
	33.0	2.8	9450	5020	50.36	3	-	**FA87**	**DT100L4**
	30.0	1.3	10400	3950	55.27	3	-	**FA77**	**DT100L4**
	30.0	2.5	10600	5140	56.75	3	-	**FA87**	**DT100L4**
	29.0	1.2	10900	3880	58.32	3	-	**FA77**	**DT100L4**
	25.0	1.1	12500	3660	66.46	3	-	**FA77**	**DT100L4**

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See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
5.0	**25.0**	2.1	12800	5330	68.40	3	-	**FA87**	**DT100L4**
	23.0	1.0	13600	3480	72.50	3	-	**FA77**	**DT100L4**
	23.0	2.8	13600	8140	72.29	3	-	**FA97**	**DT100L4**
	22.0	1.9	14300	5430	76.39	3	-	**FA87**	**DT100L4**
	21.0	2.5	15100	8070	80.31	3	-	**FA97**	**DT100L4**
	19.0	1.6	16500	5540	88.01	3	-	**FA87**	**DT100L4**
	19.0	2.3	16900	7990	89.85	3	-	**FA97**	**DT100L4**
	17.0	1.5	18400	5620	97.89	3	-	**FA87**	**DT100L4**
	17.0	2.1	18300	7920	97.58	3	-	**FA97**	**DT100L4**
	16.0	2.0	19200	7880	102.16	3	-	**FA97**	**DT100L4**
	15.0	1.3	20500	5690	109.49	3	-	**FA87**	**DT100L4**
	15.0	1.8	21200	7780	112.99	3	-	**FA97**	**DT100L4**
	14.0	1.2	23100	5480	123.29	3	-	**FA87**	**DT100L4**
	14.0	3.1	22100	13800	117.94	3	-	**FA107**	**DT100L4**
	13.0	1.1	25200	5290	134.16	3	-	**FA87**	**DT100L4**
	13.0	1.6	23900	7640	127.42	3	-	**FA97**	**DT100L4**
	13.0	2.8	24400	13700	129.97	3	-	**FA107**	**DT100L4**
	12.0	1.5	26400	7490	140.71	3	-	**FA97**	**DT100L4**
	11.0	1.3	29300	7320	156.30	3	-	**FA97**	**DT100L4**
	11.0	2.5	27500	13500	146.49	3	-	**FA107**	**DT100L4**
	10.0	2.2	30300	13400	161.28	3	-	**FA107**	**DT100L4**
	9.6	1.2	32800	7090	174.87	3	-	**FA97**	**DT100L4**
	9.4	2.0	33500	13200	178.64	3	-	**FA107**	**DT100L4**
	8.9	1.1	35600	6900	189.92	3	-	**FA97**	**DT100L4**
	8.8	2.1	32700	13300	190	3	2	**FA107R77**	**DT100L4**
	8.6	1.2	33600	7040	195	3	2	**FA97R57**	**DT100L4**
	8.4	1.8	37400	13000	199.31	3	-	**FA107**	**DT100L4**
	8.1	1.1	35900	6880	208	3	2	**FA97R57**	**DT100L4**
	7.8	1.7	40400	12900	215.37	3	-	**FA107**	**DT100L4**
	7.5	2.8	37900	20200	223	3	2	**FA127R87**	**DT100L4**
	6.6	1.4	47700	12500	254.40	3	-	**FA107**	**DT100L4**
	6.5	2.4	43900	20200	259	3	2	**FA127R87**	**DT100L4**
	6.3	1.5	46300	12500	266	2	2	**FA107R77**	**DT100L4**
	5.7	2.1	49700	20200	293	3	2	**FA127R87**	**DT100L4**
	5.6	1.4	52200	12200	300	2	2	**FA107R77**	**DT100L4**
	5.4	2.0	53000	20200	312	3	2	**FA127R87**	**DT100L4**
	4.9	1.2	59300	11800	340	2	2	**FA107R77**	**DT100L4**
	4.5	1.7	64500	20200	376	3	2	**FA127R77**	**DT100L4**
	4.3	1.1	67600	11200	387	2	2	**FA107R77**	**DT100L4**
	3.9	1.5	73600	20200	428	3	2	**FA127R77**	**DT100L4**
	3.8	2.1	75700	26800	446	3	2	**FA157R97**	**DT100L4**
	3.4	1.3	85100	20200	495	3	2	**FA127R77**	**DT100L4**
	3.1	1.1	94500	20200	549	3	2	**FA127R77**	**DT100L4**

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See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
5.0	**2.9**	1.7	97200	26000	576	3	2	**FA157R97**	**DT100L4**
	2.5	1.4	115000	25200	680	3	2	**FA157R97**	**DT100L4**
	2.2	1.3	129300	24500	764	3	2	**FA157R97**	**DT100L4**
	2.0	1.1	143300	23600	845	3	2	**FA157R97**	**DT100L4**
	1.8	1.0	161900	22300	953	3	2	**FA157R97**	**DT100L4**
5.4	**435.0**	5.7	780	2260	3.97	2	-	**FA67**	**DV112M4**
	372.0	5.4	920	2360	4.66	2	-	**FA67**	**DV112M4**
	334.0	3.6	1020	1130	5.18	2	-	**FA57**	**DV112M4**
	289.0	3.2	1180	1160	5.98	2	-	**FA57**	**DV112M4**
	263.0	2.9	1300	1190	6.58	2	-	**FA57**	**DV112M4**
	224.0	2.4	1520	1230	7.73	2	-	**FA57**	**DV112M4**
	211.0	2.3	1610	1240	8.19	2	-	**FA57**	**DV112M4**
	201.0	3.0	1690	2750	8.60	2	-	**FA67**	**DV112M4**
	186.0	2.0	1830	1270	9.31	2	-	**FA57**	**DV112M4**
	179.0	3.8	1900	2870	9.66	2	-	**FA67**	**DV112M4**
	163.0	2.5	2090	1340	10.64	2	-	**FA57**	**DV112M4**
	153.0	3.3	2230	2920	11.31	2	-	**FA67**	**DV112M4**
	141.0	2.2	2420	1370	12.29	2	-	**FA57**	**DV112M4**
	136.0	2.9	2510	2920	12.76	2	-	**FA67**	**DV112M4**
	128.0	2.0	2660	1390	13.52	2	-	**FA57**	**DV112M4**
	120.0	2.5	2840	2920	14.46	2	-	**FA67**	**DV112M4**
	109.0	1.7	3120	1420	15.88	2	-	**FA57**	**DV112M4**
	105.0	2.2	3240	2900	16.48	2	-	**FA67**	**DV112M4**
	103.0	1.6	3310	1420	16.81	2	-	**FA57**	**DV112M4**
	95.0	2.0	3600	2870	18.29	2	-	**FA67**	**DV112M4**
	91.0	1.4	3760	1440	19.11	2	-	**FA57**	**DV112M4**
	88.0	3.4	3880	4450	19.70	2	-	**FA77**	**DV112M4**
	83.0	1.8	4110	2820	20.90	2	-	**FA67**	**DV112M4**
	82.0	1.3	4160	1450	21.17	2	-	**FA57**	**DV112M4**
	81.0	3.2	4220	4440	21.43	2	-	**FA77**	**DV112M4**
	78.0	1.7	4340	2800	22.05	2	-	**FA67**	**DV112M4**
	69.0	1.5	4940	2720	25.13	2	-	**FA67**	**DV112M4**
	68.0	2.7	5020	4400	25.50	2	-	**FA77**	**DV112M4**
	63.0	1.4	5390	2660	27.41	2	-	**FA67**	**DV112M4**
	60.0	2.2	5660	4360	28.75	2	-	**FA77**	**DV112M4**
	55.0	2.0	6200	4330	31.51	2	-	**FA77**	**DV112M4**
	51.0	1.0	6690	2440	34.01	3	-	**FA67**	**DV112M4**
	51.0	2.0	6640	4300	33.74	3	-	**FA77**	**DV112M4**
	49.0	3.3	6920	4550	35.19	3	-	**FA87**	**DV112M4**
	45.0	1.8	7520	4230	38.23	3	-	**FA77**	**DV112M4**
	44.0	3.1	7730	4660	39.30	3	-	**FA87**	**DV112M4**
	40.0	1.6	8570	4140	43.58	3	-	**FA77**	**DV112M4**
	38.0	2.8	8910	4810	45.28	3	-	**FA87**	**DV112M4**

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See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
5.4	**36.0**	1.4	9520	4050	48.37	3	-	**FA77**	**DV112M4**
	34.0	2.6	9910	4920	50.36	3	-	**FA87**	**DV112M4**
	31.0	1.2	10900	3890	55.27	3	-	**FA77**	**DV112M4**
	30.0	1.2	11500	3810	58.32	3	-	**FA77**	**DV112M4**
	30.0	2.4	11200	5030	56.75	3	-	**FA87**	**DV112M4**
	26.0	1.0	13100	3570	66.46	3	-	**FA77**	**DV112M4**
	25.0	2.0	13500	5200	68.40	3	-	**FA87**	**DV112M4**
	24.0	2.7	14200	8110	72.29	3	-	**FA97**	**DV112M4**
	23.0	1.8	15000	5290	76.39	3	-	**FA87**	**DV112M4**
	22.0	2.4	15800	8040	80.31	3	-	**FA97**	**DV112M4**
	20.0	1.6	17300	5390	88.01	3	-	**FA87**	**DV112M4**
	20.0	2.2	17000	7980	86.59	3	-	**FA97**	**DV112M4**
	19.0	2.2	17700	7950	89.85	3	-	**FA97**	**DV112M4**
	18.0	1.4	19300	5460	97.89	3	-	**FA87**	**DV112M4**
	18.0	2.0	19200	7880	97.58	3	-	**FA97**	**DV112M4**
	17.0	1.9	20100	7840	102.16	3	-	**FA97**	**DV112M4**
	17.0	3.4	19900	13900	101.38	3	-	**FA107**	**DV112M4**
	16.0	1.3	21500	5520	109.49	3	-	**FA87**	**DV112M4**
	15.0	1.7	22200	7730	112.99	3	-	**FA97**	**DV112M4**
	15.0	2.9	23200	13700	117.94	3	-	**FA107**	**DV112M4**
	14.0	1.1	24300	5380	123.29	3	-	**FA87**	**DV112M4**
	14.0	1.5	25100	7570	127.42	3	-	**FA97**	**DV112M4**
	13.0	1.0	26400	4590	134.16	3	-	**FA87**	**DV112M4**
	13.0	2.7	25600	13600	129.97	3	-	**FA107**	**DV112M4**
	12.0	1.4	27700	7420	140.71	3	-	**FA97**	**DV112M4**
	12.0	2.4	28800	13500	146.49	3	-	**FA107**	**DV112M4**
	11.0	1.3	30700	7230	156.30	3	-	**FA97**	**DV112M4**
	11.0	2.1	31700	13300	161.28	3	-	**FA107**	**DV112M4**
	9.9	1.1	34400	6980	174.87	3	-	**FA97**	**DV112M4**
	9.7	2.0	35100	13100	178.64	3	-	**FA107**	**DV112M4**
	9.1	1.0	37400	6770	189.92	3	-	**FA97**	**DV112M4**
	9.1	2.0	34300	13200	190	3	2	**FA107R77**	**DV112M4**
	8.9	1.1	35200	6920	195	3	2	**FA97R57**	**DV112M4**
	8.8	3.0	35200	20200	198	3	2	**FA127R87**	**DV112M4**
	8.7	1.8	39200	12900	199.31	3	-	**FA107**	**DV112M4**
	8.3	1.0	37700	6750	208	3	2	**FA97R57**	**DV112M4**
	8.0	1.6	42400	12800	215.37	3	-	**FA107**	**DV112M4**
	7.7	2.7	39800	20200	223	3	2	**FA127R87**	**DV112M4**
	6.8	1.4	50000	12300	254.40	3	-	**FA107**	**DV112M4**
	6.7	2.3	46100	20200	259	3	2	**FA127R87**	**DV112M4**
	6.5	1.5	48500	12400	266	2	2	**FA107R77**	**DV112M4**
	5.9	2.0	52200	20200	293	3	2	**FA127R87**	**DV112M4**
	5.8	1.3	54800	12000	300	2	2	**FA107R77**	**DV112M4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
5.4	**5.7**	3.0	53800	27000	302	3	2	**FA157R97**	**DV112M4**
	5.1	1.1	62200	11600	340	2	2	**FA107R77**	**DV112M4**
	4.6	1.6	67700	20200	376	3	2	**FA127R77**	**DV112M4**
	4.5	1.0	70900	11000	387	2	2	**FA107R77**	**DV112M4**
	4.0	1.4	77200	20200	428	3	2	**FA127R77**	**DV112M4**
	3.9	2.0	79500	26700	446	3	2	**FA157R97**	**DV112M4**
	3.5	1.2	89200	20200	495	3	2	**FA127R77**	**DV112M4**
	3.2	1.1	99100	20200	549	3	2	**FA127R77**	**DV112M4**
	3.0	1.6	102000	25800	576	3	2	**FA157R97**	**DV112M4**
	2.5	1.3	120700	25000	680	3	2	**FA157R97**	**DV112M4**
	2.3	1.2	135700	24100	764	3	2	**FA157R97**	**DV112M4**
	2.0	1.1	150400	23200	845	3	2	**FA157R97**	**DV112M4**
7.5	**435.0**	4.1	1090	2220	3.97	2	-	**FA67**	**DV132S4**
	372.0	3.9	1270	2300	4.66	2	-	**FA67**	**DV132S4**
	329.0	3.6	1440	2370	5.25	2	-	**FA67**	**DV132S4**
	291.0	3.3	1630	2440	5.95	2	-	**FA67**	**DV132S4**
	255.0	3.0	1850	2520	6.78	2	-	**FA67**	**DV132S4**
	230.0	2.6	2060	2580	7.53	2	-	**FA67**	**DV132S4**
	201.0	2.1	2350	2650	8.60	2	-	**FA67**	**DV132S4**
	191.0	1.9	2480	2680	9.08	2	-	**FA67**	**DV132S4**
	179.0	2.8	2640	2780	9.66	2	-	**FA67**	**DV132S4**
	153.0	2.3	3090	2880	11.31	2	-	**FA67**	**DV132S4**
	136.0	2.1	3490	2880	12.76	2	-	**FA67**	**DV132S4**
	123.0	3.5	3840	4130	14.06	2	-	**FA77**	**DV132S4**
	120.0	1.9	3950	2840	14.46	2	-	**FA67**	**DV132S4**
	111.0	3.1	4280	4240	15.64	2	-	**FA77**	**DV132S4**
	105.0	1.6	4500	2780	16.48	2	-	**FA67**	**DV132S4**
	99.0	2.8	4780	4350	17.49	2	-	**FA77**	**DV132S4**
	95.0	1.5	5000	2720	18.29	2	-	**FA67**	**DV132S4**
	88.0	2.5	5380	4380	19.70	2	-	**FA77**	**DV132S4**
	83.0	1.3	5710	2610	20.90	2	-	**FA67**	**DV132S4**
	81.0	2.3	5860	4350	21.43	2	-	**FA77**	**DV132S4**
	78.0	1.2	6030	2560	22.05	2	-	**FA67**	**DV132S4**
	73.0	4.1	6470	3940	23.68	2	-	**FA87**	**DV132S4**
	68.0	1.9	6970	4270	25.50	2	-	**FA77**	**DV132S4**
	65.0	3.7	7240	4040	26.50	2	-	**FA87**	**DV132S4**
	60.0	2.8	7870	4120	28.78	2	-	**FA87**	**DV132S4**
	58.0	1.6	8180	4180	29.91	3	-	**FA77**	**DV132S4**
	51.0	1.5	9220	4080	33.74	3	-	**FA77**	**DV132S4**
	51.0	2.5	9270	4250	33.92	2	-	**FA87**	**DV132S4**
	49.0	2.4	9620	4280	35.19	3	-	**FA87**	**DV132S4**
	45.0	1.3	10500	3940	38.23	3	-	**FA77**	**DV132S4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
7.5	**44.0**	2.2	10700	4370	39.30	3	-	**FA87**	**DV132S4**
	40.0	1.1	11900	3750	43.58	3	-	**FA77**	**DV132S4**
	38.0	2.0	12400	4470	45.28	3	-	**FA87**	**DV132S4**
	36.0	1.0	13200	3540	48.37	3	-	**FA77**	**DV132S4**
	34.0	1.9	13800	4540	50.36	3	-	**FA87**	**DV132S4**
	33.0	2.7	14300	7290	52.49	3	-	**FA97**	**DV132S4**
	30.0	1.7	15500	4610	56.75	3	-	**FA87**	**DV132S4**
	30.0	2.4	15900	7450	58.06	3	-	**FA97**	**DV132S4**
	26.0	2.1	17900	7630	65.47	3	-	**FA97**	**DV132S4**
	25.0	1.4	18700	4690	68.40	3	-	**FA87**	**DV132S4**
	24.0	2.0	19800	7770	72.29	3	-	**FA97**	**DV132S4**
	23.0	1.3	20900	4720	76.39	3	-	**FA87**	**DV132S4**
	23.0	1.9	20700	7810	75.63	3	-	**FA97**	**DV132S4**
	23.0	3.3	20400	13900	74.52	3	-	**FA107**	**DV132S4**
	22.0	1.8	22000	7740	80.31	3	-	**FA97**	**DV132S4**
	21.0	3.0	23000	13700	83.99	3	-	**FA107**	**DV132S4**
	20.0	1.1	24100	4730	88.01	3	-	**FA87**	**DV132S4**
	20.0	1.6	23700	7650	86.59	3	-	**FA97**	**DV132S4**
	20.0	2.8	24200	13700	88.49	3	-	**FA107**	**DV132S4**
	19.0	1.6	24600	7600	89.85	3	-	**FA97**	**DV132S4**
	19.0	2.7	25300	13600	92.47	3	-	**FA107**	**DV132S4**
	18.0	1.0	26800	4240	97.89	3	-	**FA87**	**DV132S4**
	18.0	1.5	26700	7480	97.58	3	-	**FA97**	**DV132S4**
	17.0	1.4	27900	7400	102.16	3	-	**FA97**	**DV132S4**
	17.0	2.5	27700	13500	101.38	3	-	**FA107**	**DV132S4**
	15.0	1.3	30900	7220	112.99	3	-	**FA97**	**DV132S4**
	15.0	2.1	32200	13300	117.94	3	-	**FA107**	**DV132S4**
	14.0	1.1	34800	6950	127.42	3	-	**FA97**	**DV132S4**
	13.0	1.9	35500	13100	129.97	3	-	**FA107**	**DV132S4**
	12.0	1.0	38500	6690	140.71	3	-	**FA97**	**DV132S4**
	12.0	1.7	40000	12900	146.49	3	-	**FA107**	**DV132S4**
	11.0	1.6	44100	12700	161.28	3	-	**FA107**	**DV132S4**
	10.0	2.6	41400	20200	166	3	2	**FA127R87**	**DV132S4**
	9.7	1.4	48800	12400	178.64	3	-	**FA107**	**DV132S4**
	9.1	1.4	47800	12400	190	3	2	**FA107R77**	**DV132S4**
	8.8	2.2	49200	20200	198	3	2	**FA127R87**	**DV132S4**
	8.7	1.3	54500	12100	199.31	3	-	**FA107**	**DV132S4**
	8.6	3.2	50100	27000	202	3	2	**FA157R97**	**DV132S4**
	8.0	1.2	58900	11800	215.37	3	-	**FA107**	**DV132S4**
	7.5	2.8	57500	27000	232	3	2	**FA157R97**	**DV132S4**
	6.8	1.0	69500	11100	254.40	3	-	**FA107**	**DV132S4**
	6.5	1.0	67700	11200	266	2	2	**FA107R77**	**DV132S4**
	6.3	2.3	67900	27000	273	3	2	**FA157R97**	**DV132S4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
7.5	**5.9**	1.5	73000	20200	293	3	2	**FA127R87**	**DV132S4**
	5.7	2.1	75300	26800	302	3	2	**FA157R97**	**DV132S4**
	5.6	1.4	77800	20200	312	3	2	**FA127R87**	**DV132S4**
	4.9	1.9	87300	26400	353	3	2	**FA157R97**	**DV132S4**
	4.6	1.2	94400	20200	376	3	2	**FA127R77**	**DV132S4**
	4.0	1.0	107600	20200	428	3	2	**FA127R77**	**DV132S4**
	3.9	1.5	111200	25400	446	3	2	**FA157R97**	**DV132S4**
	3.4	1.3	124600	24700	503	3	2	**FA157R97**	**DV132S4**
	3.0	1.1	142900	23700	576	3	2	**FA157R97**	**DV132S4**
10	**438.0**	3.1	1440	2160	3.97	2	-	**FA67**	**DV132M4**
	423.0	8.7	1490	2390	4.12	2	-	**FA87**	**DV132M4**
	406.0	5.8	1550	2950	4.28	2	-	**FA77**	**DV132M4**
	374.0	2.9	1690	2240	4.66	2	-	**FA67**	**DV132M4**
	337.0	5.1	1870	3100	5.16	2	-	**FA77**	**DV132M4**
	331.0	2.7	1900	2300	5.25	2	-	**FA67**	**DV132M4**
	302.0	4.6	2090	3180	5.76	2	-	**FA77**	**DV132M4**
	292.0	2.5	2160	2360	5.95	2	-	**FA67**	**DV132M4**
	262.0	4.0	2410	3290	6.64	2	-	**FA77**	**DV132M4**
	257.0	2.2	2460	2420	6.78	2	-	**FA67**	**DV132M4**
	236.0	3.6	2680	3380	7.39	2	-	**FA77**	**DV132M4**
	231.0	2.0	2730	2470	7.53	2	-	**FA67**	**DV132M4**
	211.0	3.2	2990	3470	8.26	2	-	**FA77**	**DV132M4**
	202.0	1.6	3120	2530	8.60	2	-	**FA67**	**DV132M4**
	192.0	1.5	3290	2560	9.08	2	-	**FA67**	**DV132M4**
	187.0	2.8	3370	3560	9.30	2	-	**FA77**	**DV132M4**
	180.0	2.1	3500	2670	9.66	2	-	**FA67**	**DV132M4**
	159.0	3.3	3960	3790	10.93	2	-	**FA77**	**DV132M4**
	154.0	1.8	4100	2750	11.31	2	-	**FA67**	**DV132M4**
	143.0	3.0	4420	3880	12.20	2	-	**FA77**	**DV132M4**
	136.0	1.6	4620	2770	12.76	2	-	**FA67**	**DV132M4**
	124.0	2.6	5100	4010	14.06	2	-	**FA77**	**DV132M4**
	111.0	2.3	5670	4100	15.64	2	-	**FA77**	**DV132M4**
	99.0	2.1	6340	4200	17.49	2	-	**FA77**	**DV132M4**
	90.0	3.8	7000	3580	19.31	2	-	**FA87**	**DV132M4**
	88.0	1.9	7140	4260	19.70	2	-	**FA77**	**DV132M4**
	82.0	3.4	7730	3660	21.32	2	-	**FA87**	**DV132M4**
	81.0	1.7	7770	4210	21.43	2	-	**FA77**	**DV132M4**
	73.0	3.1	8580	3730	23.68	2	-	**FA87**	**DV132M4**
	68.0	1.5	9240	4070	25.50	2	-	**FA77**	**DV132M4**
	66.0	2.8	9600	3800	26.50	2	-	**FA87**	**DV132M4**
	60.0	2.1	10400	3850	28.78	2	-	**FA87**	**DV132M4**
	58.0	1.2	10800	3890	29.91	3	-	**FA77**	**DV132M4**
	57.0	3.5	11000	6150	30.39	2	-	**FA97**	**DV132M4**

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See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
10	**52.0**	1.1	12200	3700	33.74	3	-	**FA77**	**DV132M4**
	51.0	1.9	12300	3950	33.92	2	-	**FA87**	**DV132M4**
	51.0	3.1	12300	6300	33.91	2	-	**FA97**	**DV132M4**
	49.0	1.8	12800	3960	35.19	3	-	**FA87**	**DV132M4**
	47.0	2.0	13300	6400	36.64	2	-	**FA97**	**DV132M4**
	45.0	2.7	14100	6480	38.86	3	-	**FA97**	**DV132M4**
	44.0	1.7	14200	4010	39.30	3	-	**FA87**	**DV132M4**
	40.0	1.8	15700	6620	43.28	2	-	**FA97**	**DV132M4**
	39.0	2.4	16100	6660	44.49	3	-	**FA97**	**DV132M4**
	38.0	1.5	16400	4060	45.28	3	-	**FA87**	**DV132M4**
	35.0	1.5	18200	4090	50.36	3	-	**FA87**	**DV132M4**
	33.0	2.0	19000	6860	52.49	3	-	**FA97**	**DV132M4**
	31.0	1.3	20600	4100	56.75	3	-	**FA87**	**DV132M4**
	30.0	1.8	21000	6970	58.06	3	-	**FA97**	**DV132M4**
	30.0	3.2	21100	12900	58.12	3	-	**FA107**	**DV132M4**
	27.0	1.6	23700	7090	65.47	3	-	**FA97**	**DV132M4**
	26.0	2.8	24500	13400	67.62	3	-	**FA107**	**DV132M4**
	25.0	1.1	24800	4080	68.40	3	-	**FA87**	**DV132M4**
	24.0	1.5	26200	7180	72.29	3	-	**FA97**	**DV132M4**
	23.0	1.4	27400	7220	75.63	3	-	**FA97**	**DV132M4**
	23.0	2.5	27000	13500	74.52	3	-	**FA107**	**DV132M4**
	22.0	1.3	29100	7260	80.31	3	-	**FA97**	**DV132M4**
	21.0	2.2	30400	13400	83.99	3	-	**FA107**	**DV132M4**
	20.0	1.2	31400	7190	86.59	3	-	**FA97**	**DV132M4**
	20.0	2.1	32100	13300	88.49	3	-	**FA107**	**DV132M4**
	19.0	1.2	32600	7110	89.85	3	-	**FA97**	**DV132M4**
	19.0	2.0	33500	13200	92.47	3	-	**FA107**	**DV132M4**
	18.0	1.1	35400	6920	97.58	3	-	**FA97**	**DV132M4**
	18.0	3.0	35900	20200	98.95	3	-	**FA127**	**DV132M4**
	17.0	1.1	37000	6800	102.16	3	-	**FA97**	**DV132M4**
	17.0	1.9	36700	13100	101.38	3	-	**FA107**	**DV132M4**
	15.0	1.6	42700	12700	117.94	3	-	**FA107**	**DV132M4**
	15.0	2.6	41400	20200	114.34	3	-	**FA127**	**DV132M4**
	14.0	2.3	45400	20200	125.37	3	-	**FA127**	**DV132M4**
	13.0	1.5	47100	12500	129.97	3	-	**FA107**	**DV132M4**
	12.0	1.3	53100	12100	146.49	3	-	**FA107**	**DV132M4**
	11.0	1.2	58400	11800	161.28	3	-	**FA107**	**DV132M4**
	11.0	1.9	55700	20200	153.67	3	-	**FA127**	**DV132M4**
	10.0	1.7	61900	20200	170.83	3	-	**FA127**	**DV132M4**
	10.0	2.0	55100	20200	166	3	2	**FA127R87**	**DV132M4**
	9.7	1.1	64700	11400	178.64	3	-	**FA107**	**DV132M4**
	9.1	1.1	63600	11500	190	3	2	**FA107R77**	**DV132M4**
	8.9	2.5	65000	27000	197	3	2	**FA157R97**	**DV132M4**

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See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
10	**8.8**	1.6	65500	20200	198	3	2	**FA127R87**	**DV132M4**
	8.6	2.4	66800	27000	202	3	2	**FA157R97**	**DV132M4**
	7.8	1.5	74100	20200	223	3	2	**FA127R87**	**DV132M4**
	7.5	2.1	76600	26700	232	3	2	**FA157R97**	**DV132M4**
	6.7	1.3	85800	20200	259	3	2	**FA127R87**	**DV132M4**
	6.4	1.8	90500	26300	273	3	2	**FA157R97**	**DV132M4**
	5.9	1.1	97200	20200	293	3	2	**FA127R87**	**DV132M4**
	5.8	1.6	100200	25900	302	3	2	**FA157R97**	**DV132M4**
	5.6	1.1	103500	20200	312	3	2	**FA127R87**	**DV132M4**
	4.9	1.4	116400	25200	353	3	2	**FA157R97**	**DV132M4**
	3.9	1.1	148000	23300	446	3	2	**FA157R97**	**DV132M4**
12.5	**423.0**	6.9	1860	2350	4.12	2	-	**FA87**	**DV132ML4**
	406.0	4.6	1940	2910	4.28	2	-	**FA77**	**DV132ML4**
	337.0	4.1	2340	3040	5.16	2	-	**FA77**	**DV132ML4**
	302.0	3.7	2610	3120	5.76	2	-	**FA77**	**DV132ML4**
	262.0	3.2	3010	3220	6.64	2	-	**FA77**	**DV132ML4**
	236.0	2.9	3350	3300	7.39	2	-	**FA77**	**DV132ML4**
	211.0	2.5	3740	3380	8.26	2	-	**FA77**	**DV132ML4**
	187.0	2.3	4210	3460	9.30	2	-	**FA77**	**DV132ML4**
	159.0	2.7	4950	3700	10.93	2	-	**FA77**	**DV132ML4**
	143.0	2.4	5530	3780	12.20	2	-	**FA77**	**DV132ML4**
	124.0	2.1	6370	3890	14.06	2	-	**FA77**	**DV132ML4**
	112.0	3.8	7010	3280	15.48	2	-	**FA87**	**DV132ML4**
	111.0	1.9	7080	3970	15.64	2	-	**FA77**	**DV132ML4**
	102.0	3.4	7760	3340	17.12	2	-	**FA87**	**DV132ML4**
	99.0	1.7	7920	4050	17.49	2	-	**FA77**	**DV132ML4**
	90.0	3.0	8750	3410	19.31	2	-	**FA87**	**DV132ML4**
	88.0	1.5	8920	4110	19.70	2	-	**FA77**	**DV132ML4**
	82.0	2.8	9660	3470	21.32	2	-	**FA87**	**DV132ML4**
	73.0	2.5	10700	3520	23.68	2	-	**FA87**	**DV132ML4**
	68.0	1.1	11600	3800	25.54	3	-	**FA77**	**DV132ML4**
	66.0	2.2	12000	3570	26.50	2	-	**FA87**	**DV132ML4**
	63.0	3.1	12400	5780	27.44	2	-	**FA97**	**DV132ML4**
	60.0	1.7	13200	3600	29.20	3	-	**FA87**	**DV132ML4**
	58.0	1.0	13500	3490	29.91	3	-	**FA77**	**DV132ML4**
	57.0	2.8	13800	5900	30.39	2	-	**FA97**	**DV132ML4**
	51.0	2.5	15400	6020	33.91	2	-	**FA97**	**DV132ML4**
	49.0	1.5	15900	3650	35.19	3	-	**FA87**	**DV132ML4**
	45.0	2.2	17600	6170	38.86	3	-	**FA97**	**DV132ML4**
	44.0	1.4	17800	3660	39.30	3	-	**FA87**	**DV132ML4**
	40.0	3.5	19500	11800	43.03	3	-	**FA107**	**DV132ML4**
	39.0	1.9	20200	6300	44.49	3	-	**FA97**	**DV132ML4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
12.5	**38.0**	1.2	20500	3660	45.28	3	-	**FA87**	**DV132ML4**
	35.0	1.2	22800	3640	50.36	3	-	**FA87**	**DV132ML4**
	34.0	3.0	23000	12200	50.73	3	-	**FA107**	**DV132ML4**
	33.0	1.6	23800	6430	52.49	3	-	**FA97**	**DV132ML4**
	31.0	1.1	25700	3590	56.75	3	-	**FA87**	**DV132ML4**
	30.0	1.5	26300	6500	58.06	3	-	**FA97**	**DV132ML4**
	30.0	2.6	26300	12600	58.12	3	-	**FA107**	**DV132ML4**
	27.0	1.3	29700	6560	65.47	3	-	**FA97**	**DV132ML4**
	26.0	2.2	30600	13000	67.62	3	-	**FA107**	**DV132ML4**
	24.0	1.2	32700	6600	72.29	3	-	**FA97**	**DV132ML4**
	23.0	1.1	34300	6610	75.63	3	-	**FA97**	**DV132ML4**
	23.0	2.0	33800	13200	74.52	3	-	**FA107**	**DV132ML4**
	22.0	1.1	36400	6610	80.31	3	-	**FA97**	**DV132ML4**
	21.0	1.8	38000	13000	83.99	3	-	**FA107**	**DV132ML4**
	20.0	1.7	40100	12900	88.49	3	-	**FA107**	**DV132ML4**
	20.0	2.7	39600	20200	87.31	3	-	**FA127**	**DV132ML4**
	19.0	1.6	41900	12800	92.47	3	-	**FA107**	**DV132ML4**
	18.0	2.4	44800	20200	98.95	3	-	**FA127**	**DV132ML4**
	17.0	1.5	45900	12600	101.38	3	-	**FA107**	**DV132ML4**
	15.0	1.3	53400	12100	117.94	3	-	**FA107**	**DV132ML4**
	15.0	2.0	51800	20200	114.34	3	-	**FA127**	**DV132ML4**
	14.0	1.9	56800	20200	125.37	3	-	**FA127**	**DV132ML4**
	13.0	1.2	58900	11800	129.97	3	-	**FA107**	**DV132ML4**
	12.0	1.0	66400	11300	146.49	3	-	**FA107**	**DV132ML4**
	11.0	1.6	69600	20200	153.67	3	-	**FA127**	**DV132ML4**
	10.0	1.4	77400	20200	170.83	3	-	**FA127**	**DV132ML4**
	8.9	2.0	81500	26600	197	3	2	**FA157R97**	**DV132ML4**
	8.8	1.3	82100	20200	198	3	2	**FA127R87**	**DV132ML4**
	8.6	1.9	83800	26500	202	3	2	**FA157R97**	**DV132ML4**
	7.8	1.2	92900	20200	223	3	2	**FA127R87**	**DV132ML4**
	7.5	1.7	96000	26100	232	3	2	**FA157R97**	**DV132ML4**
	6.7	1.0	107500	20200	259	3	2	**FA127R87**	**DV132ML4**
	6.4	1.4	113500	25300	273	3	2	**FA157R97**	**DV132ML4**
	5.8	1.3	125600	24700	302	3	2	**FA157R97**	**DV132ML4**
	4.9	1.1	146000	23500	353	3	2	**FA157R97**	**DV132ML4**
15	**423.0**	5.8	2240	2310	4.12	2	-	**FA87**	**DV160M4**
	406.0	3.8	2330	2860	4.28	2	-	**FA77**	**DV160M4**
	337.0	3.4	2800	2990	5.16	2	-	**FA77**	**DV160M4**
	302.0	3.0	3130	3060	5.76	2	-	**FA77**	**DV160M4**
	262.0	2.7	3610	3150	6.64	2	-	**FA77**	**DV160M4**
	236.0	2.4	4010	3220	7.39	2	-	**FA77**	**DV160M4**
	211.0	2.1	4490	3290	8.26	2	-	**FA77**	**DV160M4**
	187.0	1.9	5060	3360	9.30	2	-	**FA77**	**DV160M4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
15	**159.0**	2.2	5940	3600	10.93	2	-	**FA77**	**DV160M4**
	143.0	2.0	6630	3680	12.20	2	-	**FA77**	**DV160M4**
	133.0	3.7	7130	3050	13.12	2	-	**FA87**	**DV160M4**
	124.0	1.8	7640	3770	14.06	2	-	**FA77**	**DV160M4**
	112.0	3.2	8410	3140	15.48	2	-	**FA87**	**DV160M4**
	111.0	1.6	8500	3840	15.64	2	-	**FA77**	**DV160M4**
	102.0	2.8	9310	3190	17.12	2	-	**FA87**	**DV160M4**
	99.0	1.4	9510	3900	17.49	2	-	**FA77**	**DV160M4**
	90.0	2.5	10500	3240	19.31	2	-	**FA87**	**DV160M4**
	88.0	1.3	10700	3910	19.70	2	-	**FA77**	**DV160M4**
	82.0	2.3	11600	3280	21.32	2	-	**FA87**	**DV160M4**
	73.0	2.1	12900	3310	23.68	2	-	**FA87**	**DV160M4**
	70.0	2.8	13500	5470	24.92	2	-	**FA97**	**DV160M4**
	66.0	1.9	14400	3330	26.50	2	-	**FA87**	**DV160M4**
	63.0	2.5	14900	5560	27.44	2	-	**FA97**	**DV160M4**
	60.0	1.4	15900	3340	29.20	3	-	**FA87**	**DV160M4**
	57.0	2.3	16500	5660	30.39	2	-	**FA97**	**DV160M4**
	51.0	2.1	18400	5750	33.91	2	-	**FA97**	**DV160M4**
	49.0	1.2	19100	3340	35.19	3	-	**FA87**	**DV160M4**
	46.0	3.3	20400	11200	37.61	3	-	**FA107**	**DV160M4**
	45.0	1.8	21100	5860	38.86	3	-	**FA97**	**DV160M4**
	44.0	1.2	21400	3320	39.30	3	-	**FA87**	**DV160M4**
	40.0	2.9	23400	11600	43.03	3	-	**FA107**	**DV160M4**
	39.0	1.6	24200	5940	44.49	3	-	**FA97**	**DV160M4**
	38.0	1.0	24600	3260	45.28	3	-	**FA87**	**DV160M4**
	34.0	2.5	27600	11900	50.73	3	-	**FA107**	**DV160M4**
	33.0	1.4	28500	6010	52.49	3	-	**FA97**	**DV160M4**
	30.0	1.2	31600	6030	58.06	3	-	**FA97**	**DV160M4**
	30.0	2.2	31600	12200	58.12	3	-	**FA107**	**DV160M4**
	27.0	1.1	35600	6040	65.47	3	-	**FA97**	**DV160M4**
	27.0	3.1	34700	18400	63.91	3	-	**FA127**	**DV160M4**
	26.0	1.9	36800	12600	67.62	3	-	**FA107**	**DV160M4**
	25.0	2.8	38100	18800	70.07	3	-	**FA127**	**DV160M4**
	23.0	1.7	40500	12700	74.52	3	-	**FA107**	**DV160M4**
	23.0	2.6	41000	19100	75.41	3	-	**FA127**	**DV160M4**
	21.0	1.5	45700	12600	83.99	3	-	**FA107**	**DV160M4**
	20.0	1.4	48100	12400	88.49	3	-	**FA107**	**DV160M4**
	20.0	2.2	47500	19700	87.31	3	-	**FA127**	**DV160M4**
	19.0	1.4	50300	12300	92.47	3	-	**FA107**	**DV160M4**
	18.0	2.0	53800	20200	98.95	3	-	**FA127**	**DV160M4**
	17.0	1.3	55100	12000	101.38	3	-	**FA107**	**DV160M4**
	16.0	2.7	59000	26800	108.49	3	-	**FA157**	**DV160M4**
	15.0	1.1	64100	11500	117.94	3	-	**FA107**	**DV160M4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
15	**15.0**	1.7	62200	20200	114.34	3	-	**FA127**	**DV160M4**
	14.0	1.6	68100	20200	125.37	3	-	**FA127**	**DV160M4**
	14.0	2.3	68000	27000	125.14	3	-	**FA157**	**DV160M4**
	12.0	2.1	77100	26700	141.80	3	-	**FA157**	**DV160M4**
	11.0	1.3	83500	20200	153.67	3	-	**FA127**	**DV160M4**
	11.0	1.8	88600	26300	162.96	3	-	**FA157**	**DV160M4**
	10.0	1.2	92900	20200	170.83	3	-	**FA127**	**DV160M4**
	9.8	1.7	96900	26000	178.20	3	-	**FA157**	**DV160M4**
	8.9	1.7	97900	26000	197	3	2	**FA157R97**	**DV160M4**
	8.8	1.1	98700	20200	198	3	2	**FA127R87**	**DV160M4**
	8.6	1.6	100800	25900	202	3	2	**FA157R97**	**DV160M4**
	8.0	1.4	118300	25100	217.62	3	-	**FA157**	**DV160M4**
	7.5	1.4	115500	25200	232	3	2	**FA157R97**	**DV160M4**
	6.5	1.1	145400	23500	267.43	3	-	**FA157**	**DV160M4**
	5.8	1.1	151000	23100	302	3	2	**FA157R97**	**DV160M4**
20	**428.0**	4.4	2950	2220	4.12	2	-	**FA87**	**DV160L4**
	358.0	3.8	3530	2320	4.92	2	-	**FA87**	**DV160L4**
	312.0	3.3	4040	2380	5.63	2	-	**FA87**	**DV160L4**
	265.0	2.8	4760	2470	6.65	2	-	**FA87**	**DV160L4**
	239.0	2.6	5270	2510	7.35	2	-	**FA87**	**DV160L4**
	212.0	2.3	5940	2570	8.29	2	-	**FA87**	**DV160L4**
	184.0	3.7	6870	2690	9.58	2	-	**FA87**	**DV160L4**
	154.0	3.2	8210	2770	11.46	2	-	**FA87**	**DV160L4**
	134.0	2.8	9400	2820	13.12	2	-	**FA87**	**DV160L4**
	114.0	2.4	11100	2860	15.48	2	-	**FA87**	**DV160L4**
	103.0	2.2	12300	2880	17.12	2	-	**FA87**	**DV160L4**
	91.0	1.9	13800	2900	19.31	2	-	**FA87**	**DV160L4**
	88.0	2.7	14400	4900	20.07	2	-	**FA97**	**DV160L4**
	83.0	1.8	15300	2900	21.32	2	-	**FA87**	**DV160L4**
	80.0	2.4	15800	4980	22.11	2	-	**FA97**	**DV160L4**
	74.0	1.6	17000	2890	23.68	2	-	**FA87**	**DV160L4**
	71.0	2.1	17900	5060	24.92	2	-	**FA97**	**DV160L4**
	66.0	1.4	19000	2860	26.50	2	-	**FA87**	**DV160L4**
	64.0	2.0	19700	5110	27.44	2	-	**FA97**	**DV160L4**
	60.0	1.1	20900	2830	29.20	3	-	**FA87**	**DV160L4**
	58.0	1.8	21800	5160	30.39	2	-	**FA97**	**DV160L4**
	54.0	1.7	23300	5190	32.50	3	-	**FA97**	**DV160L4**
	52.0	1.6	24300	5200	33.91	2	-	**FA97**	**DV160L4**
	52.0	2.7	24200	10500	33.79	2	-	**FA107**	**DV160L4**
	47.0	2.5	26900	10700	37.61	3	-	**FA107**	**DV160L4**
	45.0	1.4	27800	5230	38.86	3	-	**FA97**	**DV160L4**
	41.0	2.2	30800	11000	43.03	3	-	**FA107**	**DV160L4**
	40.0	1.2	31900	5220	44.49	3	-	**FA97**	**DV160L4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
20	**36.0**	3.0	35000	16800	48.80	3	-	**FA127**	**DV160L4**
	35.0	1.9	36400	11300	50.73	3	-	**FA107**	**DV160L4**
	34.0	1.0	37600	5170	52.49	3	-	**FA97**	**DV160L4**
	32.0	2.7	39600	17200	55.31	3	-	**FA127**	**DV160L4**
	30.0	1.7	41600	11500	58.12	3	-	**FA107**	**DV160L4**
	28.0	2.3	45800	17700	63.91	3	-	**FA127**	**DV160L4**
	26.0	1.4	48500	11700	67.62	3	-	**FA107**	**DV160L4**
	25.0	2.1	50200	18000	70.07	3	-	**FA127**	**DV160L4**
	24.0	1.3	53400	11800	74.52	3	-	**FA107**	**DV160L4**
	23.0	2.0	54000	18300	75.41	3	-	**FA127**	**DV160L4**
	22.0	2.8	56200	24000	78.46	3	-	**FA157**	**DV160L4**
	21.0	1.2	60200	11700	83.99	3	-	**FA107**	**DV160L4**
	21.0	2.6	61500	24500	85.80	3	-	**FA157**	**DV160L4**
	20.0	1.1	63400	11500	88.49	3	-	**FA107**	**DV160L4**
	20.0	1.7	62600	18700	87.31	3	-	**FA127**	**DV160L4**
	19.0	1.1	66300	11300	92.47	3	-	**FA107**	**DV160L4**
	18.0	1.5	70900	19100	98.95	3	-	**FA127**	**DV160L4**
	18.0	2.3	69200	25100	96.53	3	-	**FA157**	**DV160L4**
	16.0	2.0	77700	25700	108.49	3	-	**FA157**	**DV160L4**
	15.0	1.3	81900	19500	114.34	3	-	**FA127**	**DV160L4**
	14.0	1.2	89800	19700	125.37	3	-	**FA127**	**DV160L4**
	14.0	1.8	89700	26300	125.14	3	-	**FA157**	**DV160L4**
	12.0	1.6	101600	25800	141.80	3	-	**FA157**	**DV160L4**
	11.0	1.4	116800	25200	162.96	3	-	**FA157**	**DV160L4**
	9.9	1.3	127700	24600	178.20	3	-	**FA157**	**DV160L4**
	9.0	1.3	129400	24500	197	3	2	**FA157R97**	**DV160L4**
	8.7	1.2	133200	24300	202	3	2	**FA157R97**	**DV160L4**
	8.1	1.0	155900	22800	217.62	3	-	**FA157**	**DV160L4**
	7.6	1.1	152600	23000	232	3	2	**FA157R97**	**DV160L4**
25	**428.0**	3.5	3690	2140	4.12	2	-	**FA87**	**DV180M4**
	358.0	3.1	4410	2220	4.92	2	-	**FA87**	**DV180M4**
	312.0	2.7	5050	2270	5.63	2	-	**FA87**	**DV180M4**
	265.0	2.3	5950	2340	6.65	2	-	**FA87**	**DV180M4**
	239.0	2.1	6580	2370	7.35	2	-	**FA87**	**DV180M4**
	212.0	1.8	7430	2400	8.29	2	-	**FA87**	**DV180M4**
	184.0	3.0	8580	2530	9.58	2	-	**FA87**	**DV180M4**
	154.0	2.6	10300	2570	11.46	2	-	**FA87**	**DV180M4**
	134.0	2.3	11800	2590	13.12	2	-	**FA87**	**DV180M4**
	117.0	2.8	13500	4420	15.06	2	-	**FA97**	**DV180M4**
	114.0	1.9	13900	2590	15.48	2	-	**FA87**	**DV180M4**
	103.0	1.8	15300	2580	17.12	2	-	**FA87**	**DV180M4**
	102.0	2.5	15400	4500	17.25	2	-	**FA97**	**DV180M4**
	91.0	1.6	17300	2560	19.31	2	-	**FA87**	**DV180M4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
25	**88.0**	2.1	18000	4580	20.07	2	-	**FA97**	**DV180M4**
	83.0	1.4	19100	2520	21.32	2	-	**FA87**	**DV180M4**
	81.0	3.6	19500	9350	21.76	2	-	**FA107**	**DV180M4**
	80.0	1.9	19800	4620	22.11	2	-	**FA97**	**DV180M4**
	71.0	1.7	22300	4660	24.92	2	-	**FA97**	**DV180M4**
	70.0	3.1	22500	9620	25.14	2	-	**FA107**	**DV180M4**
	64.0	1.6	24600	4670	27.44	2	-	**FA97**	**DV180M4**
	64.0	2.8	24700	9780	27.57	2	-	**FA107**	**DV180M4**
	54.0	1.3	29100	4670	32.50	3	-	**FA97**	**DV180M4**
	52.0	2.2	30300	10100	33.79	2	-	**FA107**	**DV180M4**
	47.0	2.0	33700	10300	37.61	3	-	**FA107**	**DV180M4**
	45.0	1.1	34800	4610	38.86	3	-	**FA97**	**DV180M4**
	42.0	2.8	37700	15800	42.15	3	-	**FA127**	**DV180M4**
	41.0	1.8	38500	10500	43.03	3	-	**FA107**	**DV180M4**
	36.0	2.4	43700	16300	48.80	3	-	**FA127**	**DV180M4**
	35.0	1.5	45400	10700	50.73	3	-	**FA107**	**DV180M4**
	32.0	2.1	49500	16600	55.31	3	-	**FA127**	**DV180M4**
	30.0	1.3	52100	10800	58.12	3	-	**FA107**	**DV180M4**
	29.0	3.0	54000	22100	60.25	3	-	**FA157**	**DV180M4**
	28.0	1.9	57200	17000	63.91	3	-	**FA127**	**DV180M4**
	26.0	1.1	60600	10900	67.62	3	-	**FA107**	**DV180M4**
	26.0	2.6	61200	22700	68.28	3	-	**FA157**	**DV180M4**
	25.0	1.7	62800	17300	70.07	3	-	**FA127**	**DV180M4**
	24.0	1.0	66700	10900	74.52	3	-	**FA107**	**DV180M4**
	23.0	1.6	67500	17500	75.41	3	-	**FA127**	**DV180M4**
	22.0	2.3	70300	23300	78.46	3	-	**FA157**	**DV180M4**
	21.0	2.1	76800	23700	85.80	3	-	**FA157**	**DV180M4**
	20.0	1.4	78200	17800	87.31	3	-	**FA127**	**DV180M4**
	18.0	1.2	88600	18000	98.95	3	-	**FA127**	**DV180M4**
	18.0	1.9	86500	24200	96.53	3	-	**FA157**	**DV180M4**
	16.0	1.7	97200	24700	108.49	3	-	**FA157**	**DV180M4**
	15.0	1.1	102400	18300	114.34	3	-	**FA127**	**DV180M4**
	14.0	1.4	112100	25300	125.14	3	-	**FA157**	**DV180M4**
	12.0	1.3	127000	24600	141.80	3	-	**FA157**	**DV180M4**
	11.0	1.1	146000	23500	162.96	3	-	**FA157**	**DV180M4**
	9.9	1.0	159600	22500	178.20	3	-	**FA157**	**DV180M4**
	9.0	1.0	162100	22300	197	3	2	**FA157R97**	**DV180M4**
30	**428.0**	2.9	4420	2060	4.12	2	-	**FA87**	**DV180L4**
	358.0	2.6	5290	2120	4.92	2	-	**FA87**	**DV180L4**
	312.0	2.2	6060	2170	5.63	2	-	**FA87**	**DV180L4**
	265.0	1.9	7140	2210	6.65	2	-	**FA87**	**DV180L4**
	239.0	1.7	7900	2230	7.35	2	-	**FA87**	**DV180L4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
30	**212.0**	1.5	8910	2240	8.29	2	-	**FA87**	**DV180L4**
	184.0	2.5	10300	2360	9.58	2	-	**FA87**	**DV180L4**
	154.0	2.2	12300	2370	11.46	2	-	**FA87**	**DV180L4**
	138.0	2.8	13700	4100	12.77	2	-	**FA97**	**DV180L4**
	134.0	1.9	14100	2360	13.12	2	-	**FA87**	**DV180L4**
	117.0	2.3	16200	4180	15.06	2	-	**FA97**	**DV180L4**
	114.0	1.6	16600	2320	15.48	2	-	**FA87**	**DV180L4**
	103.0	1.5	18400	2280	17.12	2	-	**FA87**	**DV180L4**
	102.0	2.0	18500	4230	17.25	2	-	**FA97**	**DV180L4**
	92.0	3.4	20600	8880	19.20	2	-	**FA107**	**DV180L4**
	91.0	1.3	20800	2220	19.31	2	-	**FA87**	**DV180L4**
	88.0	1.8	21600	4260	20.07	2	-	**FA97**	**DV180L4**
	83.0	1.2	22900	2150	21.32	2	-	**FA87**	**DV180L4**
	81.0	3.0	23400	9090	21.76	2	-	**FA107**	**DV180L4**
	80.0	1.6	23800	4270	22.11	2	-	**FA97**	**DV180L4**
	71.0	1.4	26800	4260	24.92	2	-	**FA97**	**DV180L4**
	70.0	2.6	27000	9310	25.14	2	-	**FA107**	**DV180L4**
	64.0	1.3	29500	4240	27.44	2	-	**FA97**	**DV180L4**
	64.0	2.3	29600	9450	27.57	2	-	**FA107**	**DV180L4**
	55.0	2.0	34200	9640	31.80	3	-	**FA107**	**DV180L4**
	54.0	1.1	34900	4150	32.50	3	-	**FA97**	**DV180L4**
	52.0	1.8	36300	9720	33.79	2	-	**FA107**	**DV180L4**
	47.0	1.7	40400	9840	37.61	3	-	**FA107**	**DV180L4**
	47.0	2.7	40100	15000	37.28	3	-	**FA127**	**DV180L4**
	42.0	2.3	45300	15300	42.15	3	-	**FA127**	**DV180L4**
	41.0	1.5	46200	9960	43.03	3	-	**FA107**	**DV180L4**
	36.0	2.0	52500	15700	48.80	3	-	**FA127**	**DV180L4**
	35.0	1.3	54500	10100	50.73	3	-	**FA107**	**DV180L4**
	34.0	2.8	56100	21000	52.24	3	-	**FA157**	**DV180L4**
	32.0	1.8	59400	16000	55.31	3	-	**FA127**	**DV180L4**
	30.0	1.1	62500	10100	58.12	3	-	**FA107**	**DV180L4**
	29.0	2.5	64800	21600	60.25	3	-	**FA157**	**DV180L4**
	28.0	1.6	68700	16400	63.91	3	-	**FA127**	**DV180L4**
	26.0	2.2	73400	22100	68.28	3	-	**FA157**	**DV180L4**
	25.0	1.4	75300	16500	70.07	3	-	**FA127**	**DV180L4**
	23.0	1.3	81000	16700	75.41	3	-	**FA127**	**DV180L4**
	22.0	1.9	84300	22600	78.46	3	-	**FA157**	**DV180L4**
	21.0	1.8	92200	23000	85.80	3	-	**FA157**	**DV180L4**
	20.0	1.2	93800	16900	87.31	3	-	**FA127**	**DV180L4**
	18.0	1.0	106400	17000	98.95	3	-	**FA127**	**DV180L4**
	18.0	1.6	103700	23400	96.53	3	-	**FA157**	**DV180L4**
	16.0	1.4	116600	23700	108.49	3	-	**FA157**	**DV180L4**
	14.0	1.2	134500	24100	125.14	3	-	**FA157**	**DV180L4**

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See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
30	**12.0**	1.1	152400	23000	141.80	3	-	**FA157**	**DV180L4**
40	**385.0**	2.8	6550	3130	4.57	2	-	**FA97**	**DV200L4**
	336.0	2.5	7500	3210	5.23	2	-	**FA97**	**DV200L4**
	285.0	2.2	8840	3300	6.17	2	-	**FA97**	**DV200L4**
	249.0	2.1	10100	3360	7.07	2	-	**FA97**	**DV200L4**
	214.0	1.8	11800	3420	8.22	2	-	**FA97**	**DV200L4**
	194.0	1.6	13000	3450	9.06	2	-	**FA97**	**DV200L4**
	158.0	2.3	16000	3660	11.16	2	-	**FA97**	**DV200L4**
	138.0	2.1	18300	3690	12.77	2	-	**FA97**	**DV200L4**
	120.0	3.2	21000	8060	14.67	2	-	**FA107**	**DV200L4**
	117.0	1.8	21600	3700	15.06	2	-	**FA97**	**DV200L4**
	106.0	2.9	23800	8230	16.58	2	-	**FA107**	**DV200L4**
	102.0	1.6	24700	3680	17.25	2	-	**FA97**	**DV200L4**
	92.0	2.5	27500	8410	19.20	2	-	**FA107**	**DV200L4**
	88.0	1.3	28800	3620	20.07	2	-	**FA97**	**DV200L4**
	81.0	2.2	31200	8560	21.76	2	-	**FA107**	**DV200L4**
	80.0	1.2	31700	3560	22.11	2	-	**FA97**	**DV200L4**
	70.0	2.0	36000	8710	25.14	2	-	**FA107**	**DV200L4**
	66.0	2.0	38500	13500	26.86	2	-	**FA127**	**DV200L4**
	64.0	1.8	39500	8780	27.57	2	-	**FA107**	**DV200L4**
	56.0	2.4	44900	13800	31.33	3	-	**FA127**	**DV200L4**
	55.0	1.5	45600	8880	31.80	3	-	**FA107**	**DV200L4**
	47.0	1.3	53900	8930	37.61	3	-	**FA107**	**DV200L4**
	47.0	2.0	53400	14200	37.28	3	-	**FA127**	**DV200L4**
	44.0	2.8	57400	19100	40.06	3	-	**FA157**	**DV200L4**
	42.0	1.8	60400	14500	42.15	3	-	**FA127**	**DV200L4**
	41.0	1.1	61700	8920	43.03	3	-	**FA107**	**DV200L4**
	38.0	2.4	66600	19600	46.48	3	-	**FA157**	**DV200L4**
	36.0	1.5	69900	14700	48.80	3	-	**FA127**	**DV200L4**
	34.0	2.1	74900	20000	52.24	3	-	**FA157**	**DV200L4**
	32.0	1.4	79300	14900	55.31	3	-	**FA127**	**DV200L4**
	29.0	1.9	86300	20500	60.25	3	-	**FA157**	**DV200L4**
	28.0	1.2	91600	15000	63.91	3	-	**FA127**	**DV200L4**
	26.0	1.7	97800	20800	68.28	3	-	**FA157**	**DV200L4**
	25.0	1.1	100400	15100	70.07	3	-	**FA127**	**DV200L4**
	23.0	1.0	108100	15100	75.41	3	-	**FA127**	**DV200L4**
	22.0	1.4	112400	21200	78.46	3	-	**FA157**	**DV200L4**
	21.0	1.3	123000	21400	85.80	3	-	**FA157**	**DV200L4**
	18.0	1.2	138300	21600	96.53	3	-	**FA157**	**DV200L4**
	16.0	1.0	155500	21800	108.49	3	-	**FA157**	**DV200L4**
50	**376.0**	6.3	8390	8800	4.68	2	-	**FA127**	**DV225S4**
	319.0	5.4	9890	9170	5.52	2	-	**FA127**	**DV225S4**

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See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
50	**283.0**	3.7	11100	6490	6.22	2	-	**FA107**	**DV225S4**
	238.0	3.1	13300	6730	7.40	2	-	**FA107**	**DV225S4**
	210.0	2.8	15000	6890	8.37	2	-	**FA107**	**DV225S4**
	182.0	2.5	17400	7070	9.69	2	-	**FA107**	**DV225S4**
	177.0	3.2	17800	7230	9.96	2	-	**FA107**	**DV225S4**
	143.0	2.8	22100	7500	12.33	2	-	**FA107**	**DV225S4**
	120.0	2.6	26300	7700	14.67	2	-	**FA107**	**DV225S4**
	106.0	2.3	29700	7830	16.58	2	-	**FA107**	**DV225S4**
	92.0	2.0	34400	7950	19.20	2	-	**FA107**	**DV225S4**
	82.0	2.8	38300	12400	21.38	2	-	**FA127**	**DV225S4**
	81.0	1.8	39000	8030	21.76	2	-	**FA107**	**DV225S4**
	72.0	1.7	44000	12700	24.57	2	-	**FA127**	**DV225S4**
	70.0	1.6	45000	8100	25.14	2	-	**FA107**	**DV225S4**
	70.0	2.3	45300	12800	25.30	3	-	**FA127**	**DV225S4**
	66.0	1.6	48100	12900	26.86	2	-	**FA127**	**DV225S4**
	64.0	1.4	49400	8120	27.57	2	-	**FA107**	**DV225S4**
	62.0	2.9	51200	17300	28.60	2	-	**FA157**	**DV225S4**
	56.0	1.9	56100	13200	31.33	3	-	**FA127**	**DV225S4**
	55.0	1.2	57000	8110	31.80	3	-	**FA107**	**DV225S4**
	54.0	2.7	58300	17700	32.55	3	-	**FA157**	**DV225S4**
	49.0	1.5	64000	18000	35.75	2	-	**FA157**	**DV225S4**
	47.0	1.0	67400	8020	37.61	3	-	**FA107**	**DV225S4**
	47.0	1.6	66800	13400	37.28	3	-	**FA127**	**DV225S4**
	44.0	2.2	71800	18300	40.06	3	-	**FA157**	**DV225S4**
	42.0	1.4	75500	13600	42.15	3	-	**FA127**	**DV225S4**
	38.0	1.9	83300	18800	46.48	3	-	**FA157**	**DV225S4**
	36.0	1.2	87400	13700	48.80	3	-	**FA127**	**DV225S4**
	34.0	1.7	93600	19100	52.24	3	-	**FA157**	**DV225S4**
	32.0	1.1	99100	13700	55.31	3	-	**FA127**	**DV225S4**
	29.0	1.5	107900	19400	60.25	3	-	**FA157**	**DV225S4**
	26.0	1.3	122300	19600	68.28	3	-	**FA157**	**DV225S4**
	22.0	1.2	140600	19800	78.46	3	-	**FA157**	**DV225S4**
	21.0	1.1	153700	19800	85.80	3	-	**FA157**	**DV225S4**
60	**376.0**	5.3	10100	8690	4.68	2	-	**FA127**	**DV225M4**
	319.0	4.5	11900	9050	5.52	2	-	**FA127**	**DV225M4**
	283.0	3.0	13400	6330	6.22	2	-	**FA107**	**DV225M4**
	238.0	2.6	15900	6530	7.40	2	-	**FA107**	**DV225M4**
	210.0	2.4	18000	6660	8.37	2	-	**FA107**	**DV225M4**
	182.0	2.1	20800	6810	9.69	2	-	**FA107**	**DV225M4**
	177.0	2.7	21400	6990	9.96	2	-	**FA107**	**DV225M4**
	143.0	2.3	26500	7200	12.33	2	-	**FA107**	**DV225M4**
	120.0	2.2	31500	7350	14.67	2	-	**FA107**	**DV225M4**
	106.0	2.0	35600	7420	16.58	2	-	**FA107**	**DV225M4**

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See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
60	**93.0**	2.4	40600	11800	18.87	2	-	**FA127**	**DV225M4**
	92.0	1.7	41300	7490	19.20	2	-	**FA107**	**DV225M4**
	82.0	2.3	46000	12000	21.38	2	-	**FA127**	**DV225M4**
	81.0	1.5	46800	7510	21.76	2	-	**FA107**	**DV225M4**
	72.0	1.4	52800	12200	24.57	2	-	**FA127**	**DV225M4**
	70.0	1.3	54000	7490	25.14	2	-	**FA107**	**DV225M4**
	70.0	2.0	54400	12300	25.30	3	-	**FA127**	**DV225M4**
	66.0	1.3	57700	12300	26.86	2	-	**FA127**	**DV225M4**
	64.0	1.2	59300	7450	27.57	2	-	**FA107**	**DV225M4**
	62.0	2.5	61500	16800	28.60	2	-	**FA157**	**DV225M4**
	56.0	1.6	67300	12500	31.33	3	-	**FA127**	**DV225M4**
	55.0	1.0	68400	7340	31.80	3	-	**FA107**	**DV225M4**
	54.0	2.3	70000	17100	32.55	3	-	**FA157**	**DV225M4**
	49.0	1.3	76800	17400	35.75	2	-	**FA157**	**DV225M4**
	47.0	1.4	80100	12600	37.28	3	-	**FA127**	**DV225M4**
	44.0	1.9	86100	17600	40.06	3	-	**FA157**	**DV225M4**
	42.0	1.2	90600	12700	42.15	3	-	**FA127**	**DV225M4**
	38.0	1.6	99900	17900	46.48	3	-	**FA157**	**DV225M4**
	36.0	1.0	104900	12600	48.80	3	-	**FA127**	**DV225M4**
	34.0	1.4	112300	18100	52.24	3	-	**FA157**	**DV225M4**
	29.0	1.3	129500	18300	60.25	3	-	**FA157**	**DV225M4**
	26.0	1.1	146800	18400	68.28	3	-	**FA157**	**DV225M4**
75	**378.0**	4.2	12500	8520	4.68	2	-	**FA127**	**D250M4**
	321.0	3.6	14800	8850	5.52	2	-	**FA127**	**D250M4**
	260.0	3.4	18200	9260	6.80	2	-	**FA127**	**D250M4**
	225.0	2.5	21100	9550	7.88	2	-	**FA127**	**D250M4**
	200.0	2.6	23700	9780	8.86	2	-	**FA127**	**D250M4**
	174.0	3.1	27200	10100	10.19	2	-	**FA127**	**D250M4**
	149.0	4.4	31800	13600	11.92	2	-	**FA157**	**D250M4**
	141.0	2.6	33500	10500	12.54	2	-	**FA127**	**D250M4**
	127.0	4.0	37300	14100	13.96	2	-	**FA157**	**D250M4**
	122.0	2.5	38900	10800	14.55	2	-	**FA127**	**D250M4**
	108.0	2.2	43700	11000	16.36	2	-	**FA127**	**D250M4**
	105.0	3.5	45000	14600	16.85	2	-	**FA157**	**D250M4**
	94.0	2.0	50400	11200	18.87	2	-	**FA127**	**D250M4**
	90.0	2.8	52800	15100	19.77	2	-	**FA157**	**D250M4**
	83.0	1.9	57100	11300	21.38	2	-	**FA127**	**D250M4**
	80.0	2.7	59200	15400	22.16	2	-	**FA157**	**D250M4**
	70.0	1.6	67600	11400	25.30	3	-	**FA127**	**D250M4**
	70.0	2.0	68000	15700	25.43	2	-	**FA157**	**D250M4**
	64.0	2.2	73700	15900	27.60	3	-	**FA157**	**D250M4**
	62.0	2.0	76400	16000	28.60	2	-	**FA157**	**D250M4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
75	**57.0**	1.3	83700	11500	31.33	3	-	**FA127**	**D250M4**
	54.0	1.9	87000	16200	32.55	3	-	**FA157**	**D250M4**
	47.0	1.1	99600	11400	37.28	3	-	**FA127**	**D250M4**
	44.0	1.5	107000	16500	40.06	3	-	**FA157**	**D250M4**
	38.0	1.3	124200	16700	46.48	3	-	**FA157**	**D250M4**
	34.0	1.2	139600	16700	52.24	3	-	**FA157**	**D250M4**
	29.0	1.0	161000	16600	60.25	3	-	**FA157**	**D250M4**
100	**379.0**	3.2	16600	8250	4.68	2	-	**FA127**	**D280S4**
	322.0	2.7	19600	8530	5.52	2	-	**FA127**	**D280S4**
	261.0	2.6	24100	8870	6.80	2	-	**FA127**	**D280S4**
	225.0	1.9	28000	9100	7.88	2	-	**FA127**	**D280S4**
	200.0	2.0	31500	9270	8.86	2	-	**FA127**	**D280S4**
	174.0	2.3	36200	9600	10.19	2	-	**FA127**	**D280S4**
	149.0	3.3	42300	13100	11.92	2	-	**FA157**	**D280S4**
	142.0	2.0	44600	9860	12.54	2	-	**FA127**	**D280S4**
	127.0	3.0	49600	13500	13.96	2	-	**FA157**	**D280S4**
	122.0	1.9	51700	10000	14.55	2	-	**FA127**	**D280S4**
	109.0	1.7	58100	10100	16.36	2	-	**FA127**	**D280S4**
	105.0	2.7	59900	13900	16.85	2	-	**FA157**	**D280S4**
	94.0	1.5	67000	10200	18.87	2	-	**FA127**	**D280S4**
	90.0	2.1	70200	14200	19.77	2	-	**FA157**	**D280S4**
	83.0	1.4	75900	10200	21.38	2	-	**FA127**	**D280S4**
	80.0	2.0	78700	14400	22.16	2	-	**FA157**	**D280S4**
	70.0	1.2	89900	10100	25.30	3	-	**FA127**	**D280S4**
	70.0	1.5	90400	14600	25.43	2	-	**FA157**	**D280S4**
	64.0	1.6	98100	14600	27.60	3	-	**FA157**	**D280S4**
	62.0	1.5	101600	14700	28.60	2	-	**FA157**	**D280S4**
	55.0	1.4	115600	14700	32.55	3	-	**FA157**	**D280S4**
	44.0	1.1	142300	14700	40.06	3	-	**FA157**	**D280S4**
120	**379.0**	2.7	20000	8040	4.68	2	-	**FA127**	**D280M4**
	322.0	2.3	23500	8280	5.52	2	-	**FA127**	**D280M4**
	261.0	2.1	29000	8570	6.80	2	-	**FA127**	**D280M4**
	225.0	1.6	33600	8750	7.88	2	-	**FA127**	**D280M4**
	200.0	1.7	37800	8870	8.86	2	-	**FA127**	**D280M4**
	174.0	2.0	43400	9170	10.19	2	-	**FA127**	**D280M4**
	149.0	2.8	50800	12700	11.92	2	-	**FA157**	**D280M4**
	142.0	1.7	53500	9340	12.54	2	-	**FA127**	**D280M4**
	127.0	2.5	59500	13000	13.96	2	-	**FA157**	**D280M4**
	122.0	1.6	62000	9400	14.55	2	-	**FA127**	**D280M4**
	109.0	1.4	69700	9410	16.36	2	-	**FA127**	**D280M4**
	105.0	2.2	71800	13300	16.85	2	-	**FA157**	**D280M4**
	94.0	1.2	80400	9370	18.87	2	-	**FA127**	**D280M4**

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See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL[1] F_{Ra}	Ratio i	Gear Stages[2] Pri.	Gear Stages[2] Sec.	Model Gear	Model Motor
120	**90.0**	1.8	84300	13500	19.77	2	-	**FA157**	**D280M4**
	83.0	1.2	91100	9270	21.38	2	-	**FA127**	**D280M4**
	80.0	1.7	94500	13600	22.16	2	-	**FA157**	**D280M4**
	70.0	1.0	107900	8850	25.30	3	-	**FA127**	**D280M4**
	70.0	1.2	108400	13600	25.43	2	-	**FA157**	**D280M4**
	64.0	1.4	117700	13600	27.60	3	-	**FA157**	**D280M4**
	62.0	1.3	121900	13600	28.60	2	-	**FA157**	**D280M4**
	55.0	1.2	138700	13600	32.55	3	-	**FA157**	**D280M4**
150	**149.0**	2.2	63300	12000	11.92	2	-	**FA157**	**D315S4**
	127.0	2.0	74200	12200	13.96	2	-	**FA157**	**D315S4**
	106.0	1.8	89500	12400	16.85	2	-	**FA157**	**D315S4**
	90.0	1.5	105100	12400	19.77	2	-	**FA157**	**D315S4**
	80.0	1.4	117700	12400	22.16	2	-	**FA157**	**D315S4**
	64.0	1.1	146700	12200	27.60	3	-	**FA157**	**D315S4**
180	**149.0**	1.9	76000	11400	11.92	2	-	**FA157**	**D315M4**
	127.0	1.7	89000	11500	13.96	2	-	**FA157**	**D315M4**
	106.0	1.5	107500	11500	16.85	2	-	**FA157**	**D315M4**
	90.0	1.2	126100	11300	19.77	2	-	**FA157**	**D315M4**
	80.0	1.2	141300	11200	22.16	2	-	**FA157**	**D315M4**
220	**149.0**	1.5	92900	10500	11.92	2	-	**FA157**	**D315M_a4**
	127.0	1.4	108800	10500	13.96	2	-	**FA157**	**D315M_a4**
	106.0	1.2	131300	10200	16.85	2	-	**FA157**	**D315M_a4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Selections
Gearmotors - Extreme Slow Speed - Service Factor = 1.0

Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
1770	**0.21**	960	8193	3	3	**FA37R17**	**DT71K4**
	0.24	960	7064	3	3	**FA37R17**	**DT71K4**
	0.26	960	6585	3	3	**FA37R17**	**DT71K4**
	0.30	960	5756	3	3	**FA37R17**	**DT71K4**
	0.34	960	4963	3	3	**FA37R17**	**DT71K4**
	0.38	960	4434	3	3	**FA37R17**	**DT71K4**
	0.44	960	3875	3	3	**FA37R17**	**DT71K4**
	0.50	960	3392	3	3	**FA37R17**	**DT71K4**
	0.57	960	2965	3	3	**FA37R17**	**DT71K4**
	0.66	960	2587	3	3	**FA37R17**	**DT71K4**
	0.74	960	2284	3	3	**FA37R17**	**DT71K4**
	0.85	960	1997	3	3	**FA37R17**	**DT71K4**
	0.88	960	1929	2	3	**FA37R17**	**DT71K4**
	0.98	960	1742	3	3	**FA37R17**	**DT71K4**
	1.0	960	1679	2	3	**FA37R17**	**DT71K4**
	1.1	960	1550	2	3	**FA37R17**	**DT71K4**
	1.1	960	1545	3	3	**FA37R17**	**DT71K4**
	1.2	960	1370	3	2	**FA37R17**	**DT71K4**
	1.2	960	1356	2	3	**FA37R17**	**DT71K4**
	1.4	960	1198	3	2	**FA37R17**	**DT71K4**
	1.4	960	1180	2	3	**FA37R17**	**DT71K4**
	1.6	960	1047	3	2	**FA37R17**	**DT71K4**
	1.6	960	1044	2	3	**FA37R17**	**DT71K4**
	1.9	960	915	3	2	**FA37R17**	**DT71K4**
	1.9	960	914	2	3	**FA37R17**	**DT71K4**
	2.1	960	808	2	3	**FA37R17**	**DT71K4**
	2.1	960	807	3	2	**FA37R17**	**DT71K4**
	2.4	960	707	3	2	**FA37R17**	**DT71K4**
	2.4	960	698	2	3	**FA37R17**	**DT71K4**
	2.8	960	617	3	2	**FA37R17**	**DT71K4**
	2.8	960	616	2	3	**FA37R17**	**DT71K4**
	3.1	960	544	2	3	**FA37R17**	**DT71K4**
	3.2	960	538	3	2	**FA37R17**	**DT71K4**
	3.6	960	477	3	2	**FA37R17**	**DT71K4**
	3.7	960	466	2	3	**FA37R17**	**DT71K4**
	4.1	960	412	3	2	**FA37R17**	**DT71K4**
	4.1	960	411	2	3	**FA37R17**	**DT71K4**
	4.7	960	365	3	2	**FA37R17**	**DT71K4**
	4.7	960	364	2	3	**FA37R17**	**DT71K4**
	5.2	960	326	2	2	**FA37R17**	**DT71K4**
	5.3	960	322	3	2	**FA37R17**	**DT71K4**
	6.0	960	285	2	2	**FA37R17**	**DT71K4**
	6.1	960	278	3	2	**FA37R17**	**DT71K4**
	6.8	960	250	2	2	**FA37R17**	**DT71K4**

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See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
1770	**7.1**	960	242	3	2	**FA37R17**	**DT71C4**
	7.8	960	221	3	2	**FA37R17**	**DT71C4**
	7.9	960	219	2	2	**FA37R17**	**DT71C4**
	8.8	960	195	3	2	**FA37R17**	**DT71C4**
	9.2	960	186	2	2	**FA37R17**	**DT71C4**
	10.0	960	168	3	2	**FA37R17**	**DT71C4**
	10.0	960	167	2	2	**FA37R17**	**DT71C4**
	12.0	960	147	3	2	**FA37R17**	**DT71D4**
	12.0	960	145	2	2	**FA37R17**	**DT71D4**
	13.0	960	129	2	2	**FA37R17**	**DT71D4**
	13.0	960	127	3	2	**FA37R17**	**DT71D4**
	14.0	960	121	3	2	**FA37R17**	**DT71D4**
	14.0	960	118	2	2	**FA37R17**	**DT71D4**
	16.0	960	108	3	2	**FA37R17**	**DT80K4**
	17.0	960	98	2	2	**FA37R17**	**DT80K4**
	19.0	960	91	3	2	**FA37R17**	**DT80K4**
	20.0	960	87	2	2	**FA37R17**	**DT80K4**
3540	**0.14**	1330	12251	3	3	**FA47R17**	**DT71K4**
	0.16	1330	10619	3	3	**FA47R17**	**DT71K4**
	0.17	1330	9846	3	3	**FA47R17**	**DT71K4**
	0.20	1330	8534	3	3	**FA47R17**	**DT71K4**
	0.23	1330	7460	3	3	**FA47R17**	**DT71K4**
	0.26	1330	6536	3	3	**FA47R17**	**DT71K4**
	0.30	1330	5746	3	3	**FA47R17**	**DT71K4**
	0.34	1330	5022	3	3	**FA47R17**	**DT71K4**
	0.39	1330	4401	3	3	**FA47R17**	**DT71K4**
	0.44	1330	3883	3	3	**FA47R17**	**DT71K4**
	0.49	1330	3443	3	3	**FA47R17**	**DT71K4**
	0.57	1330	2976	3	3	**FA47R17**	**DT71K4**
	0.65	1330	2629	3	3	**FA47R17**	**DT71K4**
	0.67	1330	2519	2	3	**FA47R17**	**DT71K4**
	0.71	1330	2394	2	3	**FA47R17**	**DT71K4**
	0.74	1330	2304	3	3	**FA47R17**	**DT71K4**
	0.78	1330	2172	2	3	**FA47R17**	**DT71K4**
	0.84	1330	2033	3	3	**FA47R17**	**DT71K4**
	0.84	1330	2025	2	3	**FA47R17**	**DT71K4**
	0.95	1330	1785	3	2	**FA47R17**	**DT71K4**
	0.96	1330	1770	2	3	**FA47R17**	**DT71K4**
	1.1	1330	1578	3	2	**FA47R17**	**DT71K4**
	1.1	1330	1576	2	3	**FA47R17**	**DT71K4**
	1.2	1330	1364	3	2	**FA47R17**	**DT71K4**
	1.2	1330	1363	2	3	**FA47R17**	**DT71K4**
	1.4	1330	1203	3	2	**FA47R17**	**DT71K4**

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See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1]Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.
[2]Pri. = primary reducer Sec. = secondary reducer

Selections
Gearmotors - Extreme Slow Speed - Service Factor = 1.0

Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
3540	**1.4**	1330	1192	2	3	**FA47R17**	**DT71K4**
	1.6	1330	1061	2	3	**FA47R17**	**DT71K4**
	1.6	1330	1049	3	2	**FA47R17**	**DT71K4**
	1.8	1330	931	2	3	**FA47R17**	**DT71K4**
	1.9	1330	918	3	2	**FA47R17**	**DT71K4**
	2.1	1330	822	2	3	**FA47R17**	**DT71K4**
	2.1	1330	809	3	2	**FA47R17**	**DT71K4**
	2.4	1330	706	2	3	**FA47R17**	**DT71K4**
	2.4	1330	700	3	2	**FA47R17**	**DT71K4**
	2.7	1330	622	3	2	**FA47R17**	**DT71K4**
	2.8	1330	619	2	3	**FA47R17**	**DT71K4**
	3.1	1330	543	3	2	**FA47R17**	**DT71K4**
	3.2	1330	524	2	2	**FA47R17**	**DT71K4**
	3.5	1330	489	2	2	**FA47R17**	**DT71K4**
	3.6	1330	475	3	2	**FA47R17**	**DT71C4**
	4.0	1330	427	2	2	**FA47R17**	**DT71C4**
	4.1	1330	419	3	2	**FA47R17**	**DT71C4**
	4.5	1330	381	2	2	**FA47R17**	**DT71C4**
	4.7	1330	370	3	2	**FA47R17**	**DT71C4**
	5.2	1330	334	2	2	**FA47R17**	**DT71C4**
	5.3	1330	324	3	2	**FA47R17**	**DT71D4**
	5.8	1330	295	2	2	**FA47R17**	**DT71D4**
	5.9	1330	288	3	2	**FA47R17**	**DT71D4**
	6.7	1330	253	2	2	**FA47R17**	**DT71D4**
	6.8	1330	249	3	2	**FA47R17**	**DT71D4**
	7.8	1330	218	3	2	**FA47R17**	**DT80K4**
	7.8	1330	217	2	2	**FA47R17**	**DT71D4**
	8.8	1330	193	3	2	**FA47R17**	**DT80K4**
	9.0	1330	190	2	2	**FA47R17**	**DT80K4**
	9.6	1330	178	2	2	**FA47R17**	**DT80K4**
	9.8	1330	175	3	2	**FA47R17**	**DT80K4**
	11.0	1330	149	2	2	**FA47R17**	**DT80K4**
	12.0	1330	147	3	2	**FA47R17**	**DT80K4**
	13.0	1330	131	2	2	**FA47R17**	**DT80N4**
	13.0	1330	130	3	2	**FA47R17**	**DT80N4**
5310	**0.11**	1840	14832	3	3	**FA57R37**	**DT71K4**
	0.12	1840	13604	3	3	**FA57R37**	**DT71K4**
	0.13	1840	12602	3	3	**FA57R37**	**DT71K4**
	0.15	1840	11252	3	3	**FA57R37**	**DT71K4**
	0.17	1840	9986	3	3	**FA57R37**	**DT71K4**
	0.19	1840	8787	3	3	**FA57R37**	**DT71K4**
	0.21	1840	7908	3	3	**FA57R37**	**DT71K4**
	0.25	1840	6913	3	3	**FA57R37**	**DT71K4**
	0.28	1840	6030	3	3	**FA57R37**	**DT71K4**

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[1] Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
5310	**0.32**	1840	5289	3	3	**FA57R37**	**DT71K4**
	0.37	1840	4654	3	3	**FA57R37**	**DT71K4**
	0.42	1840	4060	3	3	**FA57R37**	**DT71K4**
	0.48	1840	3564	3	3	**FA57R37**	**DT71K4**
	0.54	1840	3161	3	3	**FA57R37**	**DT71K4**
	0.60	1840	2854	2	3	**FA57R37**	**DT71K4**
	0.62	1840	2737	3	3	**FA57R37**	**DT71K4**
	0.66	1840	2576	2	3	**FA57R37**	**DT71K4**
	0.71	1840	2409	3	3	**FA57R37**	**DT71K4**
	0.75	1840	2266	2	3	**FA57R37**	**DT71K4**
	0.80	1840	2131	3	3	**FA57R37**	**DT71K4**
	0.84	1840	2012	2	3	**FA57R37**	**DT71K4**
	0.92	1840	1840	3	3	**FA57R37**	**DT71K4**
	0.95	1840	1791	2	3	**FA57R37**	**DT71K4**
	1.0	1840	1623	3	3	**FA57R37**	**DT71K4**
	1.0	1840	1617	2	3	**FA57R37**	**DT71K4**
	1.2	1840	1439	3	3	**FA57R37**	**DT71K4**
	1.2	1840	1422	2	3	**FA57R37**	**DT71K4**
	1.4	1840	1243	2	3	**FA57R37**	**DT71K4**
	1.4	1840	1238	3	3	**FA57R37**	**DT71K4**
	1.5	1840	1106	3	2	**FA57R37**	**DT71K4**
	1.6	1840	1066	2	3	**FA57R37**	**DT71K4**
	1.8	1840	967	3	2	**FA57R37**	**DT71K4**
	1.8	1840	949	2	3	**FA57R37**	**DT71K4**
	2.0	1840	856	2	3	**FA57R37**	**DT71K4**
	2.0	1840	851	3	2	**FA57R37**	**DT71K4**
	2.3	1840	749	2	3	**FA57R37**	**DT71K4**
	2.3	1840	738	3	2	**FA57R37**	**DT71K4**
	2.6	1840	658	2	3	**FA57R37**	**DT71C4**
	2.7	1840	646	3	2	**FA57R37**	**DT71C4**
	3.1	1840	558	3	2	**FA57R37**	**DT71C4**
	3.1	1840	549	2	3	**FA57R37**	**DT71C4**
	3.4	1840	506	3	2	**FA57R37**	**DT71D4**
	3.5	1840	483	2	3	**FA57R37**	**DT71D4**
	3.8	1840	452	3	2	**FA57R37**	**DT71D4**
	4.0	1840	426	2	2	**FA57R37**	**DT71D4**
	4.4	1840	386	3	2	**FA57R37**	**DT71D4**
	4.4	1840	382	2	2	**FA57R37**	**DT71D4**
	5.0	1840	338	3	2	**FA57R37**	**DT71D4**
	5.2	1840	330	2	2	**FA57R37**	**DT71D4**
	5.7	1840	298	2	2	**FA57R37**	**DT80K4**
	6.5	1840	262	2	2	**FA57R37**	**DT80K4**
	6.7	1840	255	3	2	**FA57R37**	**DT80K4**
	7.5	1840	226	2	2	**FA57R37**	**DT80K4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.

See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.

[1] Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.

[2] Pri. = primary reducer Sec. = secondary reducer

Selections
Gearmotors - Extreme Slow Speed - Service Factor = 1.0

Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
5310	**8.5**	1840	201	3	2	**FA57R37**	**DT80N4**
	8.5	1840	200	2	2	**FA57R37**	**DT80N4**
	9.4	1840	181	3	2	**FA57R37**	**DT80N4**
	10.0	1840	170	2	2	**FA57R37**	**DT80N4**
	11.0	1840	155	3	2	**FA57R37**	**DT90S4**
	11.0	1840	152	2	2	**FA57R37**	**DT90S4**
	13.0	1840	134	2	2	**FA57R37**	**DT90S4**
7260	**0.09**	2320	19199	3	3	**FA67R37**	**DT71K4**
	0.10	2320	17610	3	3	**FA67R37**	**DT71K4**
	0.11	2320	14992	3	3	**FA67R37**	**DT71K4**
	0.13	2320	12926	3	3	**FA67R37**	**DT71K4**
	0.15	2320	11480	3	3	**FA67R37**	**DT71K4**
	0.17	2320	10220	3	3	**FA67R37**	**DT71K4**
	0.19	2320	8933	3	3	**FA67R37**	**DT71K4**
	0.21	2320	7940	3	3	**FA67R37**	**DT71K4**
	0.24	2320	7096	3	3	**FA67R37**	**DT71K4**
	0.28	2320	6080	3	3	**FA67R37**	**DT71K4**
	0.32	2320	5341	3	3	**FA67R37**	**DT71K4**
	0.36	2320	4690	3	3	**FA67R37**	**DT71K4**
	0.42	2320	4091	3	3	**FA67R37**	**DT71K4**
	0.48	2320	3574	3	3	**FA67R37**	**DT71K4**
	0.50	2320	3377	2	3	**FA67R37**	**DT71K4**
	0.54	2320	3133	3	3	**FA67R37**	**DT71K4**
	0.58	2320	2912	2	3	**FA67R37**	**DT71K4**
	0.62	2320	2756	3	3	**FA67R37**	**DT71K4**
	0.63	2320	2714	2	3	**FA67R37**	**DT71K4**
	0.70	2320	2439	3	3	**FA67R37**	**DT71K4**
	0.72	2320	2372	2	3	**FA67R37**	**DT71K4**
	0.80	2320	2126	2	3	**FA67R37**	**DT71K4**
	0.81	2320	2106	3	2	**FA67R37**	**DT71K4**
	0.90	2320	1884	3	2	**FA67R37**	**DT71K4**
	0.91	2320	1859	2	3	**FA67R37**	**DT71K4**
	1.0	2320	1635	3	2	**FA67R37**	**DT71K4**
	1.0	2320	1631	2	3	**FA67R37**	**DT71K4**
	1.2	2320	1437	2	3	**FA67R37**	**DT71K4**
	1.2	2320	1429	3	2	**FA67R37**	**DT71K4**
	1.4	2320	1271	3	2	**FA67R37**	**DT71C4**
	1.4	2320	1256	2	3	**FA67R37**	**DT71C4**
	1.5	2320	1126	2	3	**FA67R37**	**DT71C4**
	1.6	2320	1102	3	2	**FA67R37**	**DT71C4**
	1.8	2320	984	2	3	**FA67R37**	**DT71C4**
	1.8	2320	970	3	2	**FA67R37**	**DT71C4**
	2.0	2320	864	2	3	**FA67R37**	**DT71D4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
7260	**2.0**	2320	858	3	2	**FA67R37**	**DT71D4**
	2.2	2320	755	3	2	**FA67R37**	**DT71D4**
	2.3	2320	722	2	3	**FA67R37**	**DT71D4**
	2.7	2320	641	3	2	**FA67R37**	**DT71D4**
	2.7	2320	634	2	3	**FA67R37**	**DT71D4**
	3.0	2320	572	3	2	**FA67R37**	**DT71D4**
	3.2	2320	539	2	3	**FA67R37**	**DT71D4**
	3.3	2320	509	3	2	**FA67R37**	**DT80K4**
	3.4	2320	500	2	2	**FA67R37**	**DT80K4**
	3.8	2320	454	2	2	**FA67R37**	**DT80K4**
	3.9	2320	437	3	2	**FA67R37**	**DT80K4**
	4.3	2320	392	2	2	**FA67R37**	**DT80K4**
	4.4	2320	384	3	2	**FA67R37**	**DT80K4**
	5.0	2320	338	3	2	**FA67R37**	**DT80K4**
	5.1	2320	333	2	2	**FA67R37**	**DT80K4**
	5.6	2320	305	3	2	**FA67R37**	**DT80N4**
	5.7	2320	297	2	2	**FA67R37**	**DT80N4**
	6.5	2320	261	2	2	**FA67R37**	**DT80N4**
	6.6	2320	257	3	2	**FA67R37**	**DT80N4**
	7.2	2320	238	2	2	**FA67R37**	**DT80N4**
	7.4	2320	231	3	2	**FA67R37**	**DT80N4**
	8.4	2320	205	3	2	**FA67R37**	**DT90S4**
	8.6	2320	200	2	2	**FA67R37**	**DT90S4**
	9.8	2320	176	2	2	**FA67R37**	**DT90S4**
	9.8	2320	175	3	2	**FA67R37**	**DT90S4**
9820	**0.34**	4010	4931	2	3	**FA77R37**	**DT71K4**
	0.38	4010	4523	2	3	**FA77R37**	**DT71K4**
	0.44	4010	3851	2	3	**FA77R37**	**DT71K4**
	0.51	4010	3320	2	3	**FA77R37**	**DT71K4**
	0.55	4010	3095	2	3	**FA77R37**	**DT71K4**
	0.63	4010	2705	2	3	**FA77R37**	**DT71K4**
	0.67	4010	2536	2	3	**FA77R37**	**DT71K4**
	0.76	4010	2238	2	3	**FA77R37**	**DT71K4**
	0.83	4010	2039	2	3	**FA77R37**	**DT71K4**
	0.98	4010	1759	2	3	**FA77R37**	**DT71C4**
	1.0	4010	1639	2	3	**FA77R37**	**DT71C4**
	1.2	4010	1433	2	3	**FA77R37**	**DT71C4**
	1.3	4010	1343	2	3	**FA77R37**	**DT71C4**
	1.5	4010	1185	2	3	**FA77R37**	**DT71C4**
	1.6	4010	1051	2	3	**FA77R37**	**DT71D4**
	1.9	4010	893	2	3	**FA77R37**	**DT71D4**
	2.1	4010	815	2	2	**FA77R37**	**DT71D4**
	2.4	4010	706	2	2	**FA77R37**	**DT71D4**
	2.6	4010	660	2	2	**FA77R37**	**DT80K4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1]Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.
[2]Pri. = primary reducer Sec. = secondary reducer

Selections
Gearmotors - Extreme Slow Speed - Service Factor = 1.0

Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
9820	**3.0**	4010	571	2	2	**FA77R37**	**DT80K4**
	3.5	4010	485	2	2	**FA77R37**	**DT80K4**
	3.9	4010	433	2	2	**FA77R37**	**DT80N4**
	4.6	4010	370	2	2	**FA77R37**	**DT80N4**
	4.9	4010	346	2	2	**FA77R37**	**DT80N4**
	5.9	4010	292	2	2	**FA77R37**	**DT90S4**
13300	**0.09**	3530	19180	3	3	**FA77R37**	**DT71K4**
	0.10	3530	17593	3	3	**FA77R37**	**DT71K4**
	0.11	3530	16128	3	3	**FA77R37**	**DT71K4**
	0.11	3530	14978	3	3	**FA77R37**	**DT71K4**
	0.12	3530	13731	3	3	**FA77R37**	**DT71K4**
	0.14	3530	12049	3	3	**FA77R37**	**DT71K4**
	0.15	3530	11035	3	3	**FA77R37**	**DT71K4**
	0.18	3530	9683	3	3	**FA77R37**	**DT71K4**
	0.20	3530	8464	3	3	**FA77R37**	**DT71K4**
	0.23	3530	7520	3	3	**FA77R37**	**DT71K4**
	0.26	3530	6580	3	3	**FA77R37**	**DT71K4**
	0.29	3530	5808	3	3	**FA77R37**	**DT71K4**
	0.34	3530	5026	3	3	**FA77R37**	**DT71K4**
	0.38	3530	4435	3	3	**FA77R37**	**DT71K4**
	0.44	3530	3832	3	3	**FA77R37**	**DT71K4**
	0.50	3530	3381	3	3	**FA77R37**	**DT71K4**
	0.57	3530	2978	3	3	**FA77R37**	**DT71K4**
	0.65	3530	2613	3	3	**FA77R37**	**DT71K4**
	0.75	3530	2284	3	3	**FA77R37**	**DT71C4**
	0.85	3530	2029	3	3	**FA77R37**	**DT71C4**
	1.0	3530	1728	3	2	**FA77R37**	**DT71C4**
	1.1	3530	1544	3	2	**FA77R37**	**DT71D4**
	1.3	3530	1354	3	2	**FA77R37**	**DT71D4**
	1.4	3530	1200	3	2	**FA77R37**	**DT71D4**
	1.6	3530	1053	3	2	**FA77R37**	**DT71D4**
	1.9	3530	910	3	2	**FA77R37**	**DT80K4**
	2.1	3530	810	3	2	**FA77R37**	**DT80K4**
	2.4	3530	710	3	2	**FA77R37**	**DT80K4**
	2.8	3530	615	3	2	**FA77R37**	**DT80K4**
	3.2	3530	538	3	2	**FA77R37**	**DT80N4**
	3.5	3530	480	3	2	**FA77R37**	**DT80N4**
	4.2	3530	413	3	2	**FA77R37**	**DT90S4**
	4.7	3530	367	3	2	**FA77R37**	**DT90S4**
	5.3	3530	323	3	2	**FA77R37**	**DT90S4**
	6.2	3530	280	3	2	**FA77R37**	**DT90L4**
	7.0	3530	247	3	2	**FA77R37**	**DT90L4**
	7.8	3530	221	3	2	**FA77R37**	**DT90L4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
13300	**8.6**	3530	199	3	2	**FA77R37**	**DT100LS4**
26500	**0.07**	4450	23042	3	3	**FA87R57**	**DT71K4**
	0.08	4450	20462	3	3	**FA87R57**	**DT71K4**
	0.09	4450	18238	3	3	**FA87R57**	**DT71K4**
	0.11	4450	15877	3	3	**FA87R57**	**DT71K4**
	0.12	4450	14099	3	3	**FA87R57**	**DT71K4**
	0.14	4450	12205	3	3	**FA87R57**	**DT71K4**
	0.16	4450	10433	3	3	**FA87R57**	**DT71K4**
	0.18	4450	9381	3	3	**FA87R57**	**DT71K4**
	0.21	4450	8142	3	3	**FA87R57**	**DT71K4**
	0.24	4450	7100	3	3	**FA87R57**	**DT71K4**
	0.27	4450	6273	3	3	**FA87R57**	**DT71K4**
	0.31	4450	5510	3	3	**FA87R57**	**DT71K4**
	0.34	4450	4954	3	3	**FA87R57**	**DT71K4**
	0.34	4450	4952	2	3	**FA87R57**	**DT71K4**
	0.37	4450	4562	2	3	**FA87R57**	**DT71K4**
	0.40	4450	4245	3	3	**FA87R57**	**DT71K4**
	0.43	4450	3919	2	3	**FA87R57**	**DT71K4**
	0.46	4450	3721	3	3	**FA87R57**	**DT71C4**
	0.49	4450	3503	2	3	**FA87R57**	**DT71C4**
	0.53	4450	3244	3	2	**FA87R57**	**DT71C4**
	0.54	4450	3196	2	3	**FA87R57**	**DT71C4**
	0.60	4450	2881	3	2	**FA87R57**	**DT71C4**
	0.60	4450	2857	2	3	**FA87R57**	**DT71C4**
	0.67	4450	2576	3	2	**FA87R57**	**DT71C4**
	0.67	4450	2524	2	3	**FA87R57**	**DT71D4**
	0.77	4450	2199	3	2	**FA87R57**	**DT71D4**
	0.80	4450	2134	2	3	**FA87R57**	**DT71D4**
	0.88	4450	1930	3	2	**FA87R57**	**DT71D4**
	0.89	4450	1913	2	3	**FA87R57**	**DT71D4**
	0.99	4450	1717	2	3	**FA87R57**	**DT71D4**
	0.99	4450	1709	3	2	**FA87R57**	**DT71D4**
	1.1	4450	1493	3	2	**FA87R57**	**DT80K4**
	1.1	4450	1476	2	3	**FA87R57**	**DT80K4**
	1.3	4450	1300	3	2	**FA87R57**	**DT80K4**
	1.3	4450	1278	2	3	**FA87R57**	**DT80K4**
	1.5	4450	1148	3	2	**FA87R57**	**DT80K4**
	1.5	4450	1142	2	3	**FA87R57**	**DT80K4**
	1.7	4450	1010	3	2	**FA87R57**	**DT80N4**
	1.7	4450	988	2	3	**FA87R57**	**DT80N4**
	1.9	4450	887	3	2	**FA87R57**	**DT80N4**
	1.9	4450	883	2	3	**FA87R57**	**DT80N4**
	2.2	4450	780	3	2	**FA87R57**	**DT90S4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1]Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.
[2]Pri. = primary reducer Sec. = secondary reducer

Selections
Gearmotors - Extreme Slow Speed - Service Factor = 1.0

Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
26500	**2.3**	4450	748	2	3	**FA87R57**	**DT90S4**
	2.5	4450	674	3	2	**FA87R57**	**DT90S4**
	2.6	4450	662	2	2	**FA87R57**	**DT90S4**
	2.8	4450	609	3	2	**FA87R57**	**DT90S4**
	2.9	4450	592	2	2	**FA87R57**	**DT90S4**
	3.3	4450	519	2	2	**FA87R57**	**DT90L4**
	3.3	4450	515	3	2	**FA87R57**	**DT90L4**
	3.7	4450	468	2	2	**FA87R57**	**DT90L4**
	3.8	4450	452	3	2	**FA87R57**	**DT90L4**
	4.3	4450	398	2	2	**FA87R57**	**DT90L4**
	4.9	4450	350	2	2	**FA87R57**	**DT100LS4**
	5.0	4450	345	3	2	**FA87R57**	**DT100LS4**
	5.5	4450	315	2	2	**FA87R57**	**DT100LS4**
	5.7	4450	300	3	2	**FA87R57**	**DT100LS4**
	6.1	4450	281	2	2	**FA87R57**	**DT100LS4**
	6.7	4450	249	3	2	**FA87R57**	**DT100L4**
	7.0	4450	240	2	2	**FA87R57**	**DT100L4**
	7.9	4450	211	2	2	**FA87R57**	**DT100L4**
	8.7	4450	193	2	2	**FA87R57**	**DT100L4**
38000	**0.06**	6720	29211	3	3	**FA97R57**	**DT71K4**
	0.06	6720	26911	3	3	**FA97R57**	**DT71K4**
	0.07	6720	23814	3	3	**FA97R57**	**DT71K4**
	0.08	6720	20813	3	3	**FA97R57**	**DT71K4**
	0.09	6720	18119	3	3	**FA97R57**	**DT71K4**
	0.11	6720	15472	3	3	**FA97R57**	**DT71K4**
	0.12	6720	14022	3	3	**FA97R57**	**DT71K4**
	0.14	6720	12324	3	3	**FA97R57**	**DT71K4**
	0.16	6720	10838	3	3	**FA97R57**	**DT71K4**
	0.18	6720	9576	3	3	**FA97R57**	**DT71K4**
	0.20	6720	8318	3	3	**FA97R57**	**DT71K4**
	0.23	6720	7328	3	3	**FA97R57**	**DT71K4**
	0.26	6720	6469	3	3	**FA97R57**	**DT71K4**
	0.27	6720	6338	2	3	**FA97R57**	**DT71K4**
	0.30	6720	5680	2	3	**FA97R57**	**DT71K4**
	0.30	6720	5615	3	3	**FA97R57**	**DT71K4**
	0.34	6720	5016	2	3	**FA97R57**	**DT71C4**
	0.35	6720	4961	3	3	**FA97R57**	**DT71C4**
	0.39	6720	4367	2	3	**FA97R57**	**DT71C4**
	0.40	6720	4333	3	3	**FA97R57**	**DT71C4**
	0.44	6720	3914	2	3	**FA97R57**	**DT71C4**
	0.44	6720	3906	3	2	**FA97R57**	**DT71C4**
	0.51	6720	3357	2	3	**FA97R57**	**DT71D4**
	0.51	6720	3352	3	2	**FA97R57**	**DT71D4**
	0.57	6720	3009	2	3	**FA97R57**	**DT71D4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
38000	**0.58**	6720	2907	3	2	**FA97R57**	**DT71D4**
	0.67	6720	2553	3	2	**FA97R57**	**DT71D4**
	0.69	6720	2448	2	3	**FA97R57**	**DT71D4**
	0.76	6720	2245	3	2	**FA97R57**	**DT80K4**
	0.77	6720	2199	2	3	**FA97R57**	**DT80K4**
	0.86	6720	1971	2	3	**FA97R57**	**DT80K4**
	0.86	6720	1970	3	2	**FA97R57**	**DT80K4**
	0.98	6720	1741	2	3	**FA97R57**	**DT80K4**
	0.99	6720	1722	3	2	**FA97R57**	**DT80K4**
	1.1	6720	1527	3	2	**FA97R57**	**DT80N4**
	1.2	6720	1468	2	3	**FA97R57**	**DT80N4**
	1.3	6720	1327	3	2	**FA97R57**	**DT80N4**
	1.3	6720	1316	2	3	**FA97R57**	**DT80N4**
	1.4	6720	1189	2	3	**FA97R57**	**DT80N4**
	1.5	6720	1171	3	2	**FA97R57**	**DT80N4**
	1.7	6720	1023	2	3	**FA97R57**	**DT90S4**
	1.7	6720	1022	3	2	**FA97R57**	**DT90S4**
	1.9	6720	898	3	2	**FA97R57**	**DT90S4**
	1.9	6720	892	2	2	**FA97R57**	**DT90S4**
	2.2	6720	784	3	2	**FA97R57**	**DT90S4**
	2.3	6720	760	2	2	**FA97R57**	**DT90L4**
	2.5	6720	690	3	2	**FA97R57**	**DT90L4**
	2.6	6720	667	2	2	**FA97R57**	**DT90L4**
	2.8	6720	605	3	2	**FA97R57**	**DT90L4**
	3.0	6720	569	2	2	**FA97R57**	**DT90L4**
	3.2	6720	529	3	2	**FA97R57**	**DT100LS4**
	3.4	6720	510	2	2	**FA97R57**	**DT100LS4**
	3.6	6720	473	2	2	**FA97R57**	**DT100LS4**
	3.7	6720	467	3	2	**FA97R57**	**DT100LS4**
	4.2	6720	406	3	2	**FA97R57**	**DT100LS4**
	4.3	6720	403	2	2	**FA97R57**	**DT100LS4**
	4.6	6720	363	3	2	**FA97R57**	**DT100L4**
	4.7	6720	361	2	2	**FA97R57**	**DT100L4**
	5.3	6720	317	2	2	**FA97R57**	**DT100L4**
	5.9	6720	285	3	2	**FA97R57**	**DT100L4**
	6.1	6720	275	2	2	**FA97R57**	**DT100L4**
	6.9	6720	245	3	2	**FA97R57**	**DT100L4**
	6.9	6720	242	2	2	**FA97R57**	**DT100L4**
	8.3	6720	208	3	2	**FA97R57**	**DV132S4**
	8.9	6720	195	3	2	**FA97R57**	**DV132S4**
68000	**0.07**	11200	25375	3	3	**FA107R77**	**DT71K4**
	0.08	11200	21652	3	3	**FA107R77**	**DT71K4**
	0.09	11200	18933	3	3	**FA107R77**	**DT71K4**
	0.10	11200	16888	3	3	**FA107R77**	**DT71K4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1]Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.
[2]Pri. = primary reducer Sec. = secondary reducer

Selections
Gearmotors - Extreme Slow Speed - Service Factor = 1.0

Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
68000	**0.12**	11200	14767	3	3	**FA107R77**	**DT71K4**
	0.15	11200	11348	3	3	**FA107R77**	**DT71K4**
	0.17	11200	10039	3	3	**FA107R77**	**DT71C4**
	0.20	11200	8548	3	3	**FA107R77**	**DT71C4**
	0.22	11200	7674	3	3	**FA107R77**	**DT71C4**
	0.25	11200	6767	3	3	**FA107R77**	**DT71D4**
	0.29	11200	5954	3	3	**FA107R77**	**DT71D4**
	0.33	11200	5223	3	3	**FA107R77**	**DT71D4**
	0.37	11200	4567	3	3	**FA107R77**	**DT71D4**
	0.43	11200	3948	3	3	**FA107R77**	**DT80K4**
	0.48	11200	3521	3	3	**FA107R77**	**DT80K4**
	0.56	11200	3037	3	2	**FA107R77**	**DT80K4**
	0.62	11200	2756	3	2	**FA107R77**	**DT80N4**
	0.72	11200	2369	3	2	**FA107R77**	**DT80N4**
	0.82	11200	2068	3	2	**FA107R77**	**DT80N4**
	0.94	11200	1826	3	2	**FA107R77**	**DT90S4**
	1.1	11200	1597	3	2	**FA107R77**	**DT90S4**
	1.2	11200	1401	3	2	**FA107R77**	**DT90L4**
	1.4	11200	1243	3	2	**FA107R77**	**DT90L4**
	1.6	11200	1087	3	2	**FA107R77**	**DT90L4**
	1.8	11200	950	3	2	**FA107R77**	**DT100LS4**
	2.1	11200	834	3	2	**FA107R77**	**DT100LS4**
	2.3	11200	736	3	2	**FA107R77**	**DT100LS4**
	2.6	11200	640	3	2	**FA107R77**	**DT100L4**
	3.0	11200	560	3	2	**FA107R77**	**DT100L4**
	3.4	11200	489	3	2	**FA107R77**	**DT100L4**
	3.8	11200	436	3	2	**FA107R77**	**DT100L4**
	4.7	11200	370	3	2	**FA107R77**	**DV132S4**
	5.2	11200	333	3	2	**FA107R77**	**DV132S4**
	5.9	11200	291	3	2	**FA107R77**	**DV132S4**
	6.8	11200	255	3	2	**FA107R77**	**DV132M4**
	7.7	11200	225	3	2	**FA107R77**	**DV132M4**
	9.1	11200	190	3	2	**FA107R77**	**DV132ML4**
69400	**0.32**	11100	5383	2	3	**FA107R77**	**DT71D4**
	0.37	11100	4593	2	3	**FA107R77**	**DT71D4**
	0.42	11100	4016	2	3	**FA107R77**	**DT80K4**
	0.45	11100	3815	2	3	**FA107R77**	**DT80K4**
	0.51	11100	3347	2	3	**FA107R77**	**DT80K4**
	0.60	11100	2839	2	3	**FA107R77**	**DT80N4**
	0.66	11100	2563	2	3	**FA107R77**	**DT80N4**
	0.75	11100	2255	2	3	**FA107R77**	**DT80N4**
	0.80	11100	2129	2	3	**FA107R77**	**DT80N4**
	0.95	11100	1813	2	3	**FA107R77**	**DT90S4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
69400	**1.1**	11100	1590	2	3	**FA107R77**	**DT90S4**
	1.2	11100	1436	2	3	**FA107R77**	**DT90S4**
	1.4	11100	1263	2	3	**FA107R77**	**DT90L4**
	1.4	11100	1193	2	3	**FA107R77**	**DT90L4**
	1.7	11100	1015	2	3	**FA107R77**	**DT100LS4**
	1.9	11100	923	2	3	**FA107R77**	**DT100LS4**
	2.2	11100	800	2	3	**FA107R77**	**DT100LS4**
	2.4	11100	696	2	3	**FA107R77**	**DT100L4**
	2.6	11100	644	2	2	**FA107R77**	**DT100L4**
	2.8	11100	591	2	2	**FA107R77**	**DT100L4**
	3.2	11100	518	2	2	**FA107R77**	**DT100L4**
	3.4	11100	491	2	2	**FA107R77**	**DT100L4**
	3.9	11100	430	2	2	**FA107R77**	**DT100L4**
	4.5	11100	387	2	2	**FA107R77**	**DV112M4**
	5.1	11100	340	2	2	**FA107R77**	**DV132S4**
	5.8	11100	300	2	2	**FA107R77**	**DV132S4**
	6.6	11100	266	2	2	**FA107R77**	**DV132M4**
106200	**0.07**	20200	24478	3	3	**FA127R77**	**DT71K4**
	0.08	20200	22323	3	3	**FA127R77**	**DT71K4**
	0.09	20200	19048	3	3	**FA127R77**	**DT71K4**
	0.10	20200	16656	3	3	**FA127R77**	**DT71K4**
	0.12	20200	14722	3	3	**FA127R77**	**DT71K4**
	0.13	20200	12912	3	3	**FA127R77**	**DT71C4**
	0.15	20200	11656	3	3	**FA127R77**	**DT71C4**
	0.17	20200	10191	3	3	**FA127R77**	**DT71D4**
	0.19	20200	8831	3	3	**FA127R77**	**DT71D4**
	0.22	20200	7643	3	3	**FA127R77**	**DT71D4**
	0.25	20200	6715	3	3	**FA127R77**	**DT80K4**
	0.29	20200	5925	3	3	**FA127R77**	**DT80K4**
	0.33	20200	5153	3	3	**FA127R77**	**DT80K4**
	0.37	20200	4533	3	3	**FA127R77**	**DT80K4**
	0.43	20200	3926	3	3	**FA127R77**	**DT80N4**
	0.49	20200	3454	3	3	**FA127R77**	**DT80N4**
	0.57	20200	3031	3	3	**FA127R77**	**DT90S4**
	0.64	20200	2672	3	2	**FA127R77**	**DT90S4**
	0.73	20200	2357	3	2	**FA127R77**	**DT90S4**
	0.84	20200	2038	3	2	**FA127R77**	**DT90L4**
	0.96	20200	1784	3	2	**FA127R77**	**DT90L4**
	1.1	20200	1606	3	2	**FA127R77**	**DT90L4**
	1.2	20200	1390	3	2	**FA127R77**	**DT100LS4**
	1.4	20200	1220	3	2	**FA127R77**	**DT100LS4**
	1.6	20200	1077	3	2	**FA127R77**	**DT100L4**
	1.8	20200	930	3	2	**FA127R77**	**DT100L4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1]Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.
[2]Pri. = primary reducer Sec. = secondary reducer

Selections
Gearmotors - Extreme Slow Speed - Service Factor = 1.0

Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
106200	**2.0**	20200	820	3	2	**FA127R77**	**DT100L4**
	2.3	20200	727	3	2	**FA127R77**	**DT100L4**
	2.6	20200	648	3	2	**FA127R77**	**DT100L4**
	3.2	20200	549	3	2	**FA127R77**	**DV132S4**
	3.5	20200	495	3	2	**FA127R77**	**DV132S4**
	3.6	20200	483	3	2	**FA127R87**	**DV132S4**
	4.1	20200	428	3	2	**FA127R77**	**DV132M4**
	4.2	20200	418	3	2	**FA127R87**	**DV132M4**
	4.6	20200	376	3	2	**FA127R77**	**DV132M4**
	4.7	20200	374	3	2	**FA127R87**	**DV132M4**
	5.6	20200	312	3	2	**FA127R87**	**DV132ML4**
	5.9	20200	293	3	2	**FA127R87**	**DV132ML4**
	6.7	20200	259	3	2	**FA127R87**	**DV160M4**
	7.8	20200	223	3	2	**FA127R87**	**DV160M4**
	8.9	20200	198	3	2	**FA127R87**	**DV160L4**
	11.0	20200	166	3	2	**FA127R87**	**DV160L4**
159300	**0.05**	22500	31434	3	3	**FA157R97**	**DT80K4**
	0.06	22500	26173	3	3	**FA157R97**	**DT80K4**
	0.07	22500	23464	3	3	**FA157R97**	**DT80K4**
	0.08	22500	20212	3	3	**FA157R97**	**DT80K4**
	0.09	22500	17984	3	3	**FA157R97**	**DT80K4**
	0.10	22500	16358	3	3	**FA157R97**	**DT80K4**
	0.12	22500	13751	3	3	**FA157R97**	**DT80K4**
	0.14	22500	12235	3	3	**FA157R97**	**DT80K4**
	0.17	22500	10033	3	3	**FA157R97**	**DT90S4**
	0.19	22500	9021	3	3	**FA157R97**	**DT90S4**
	0.21	22500	8026	3	3	**FA157R97**	**DT90S4**
	0.24	22500	7075	3	3	**FA157R97**	**DT80N4**
	0.27	22500	6295	3	3	**FA157R97**	**DT80N4**
	0.31	22500	5404	3	3	**FA157R97**	**DT80N4**
	0.36	22500	4831	3	3	**FA157R97**	**DT90S4**
	0.42	22500	4130	3	3	**FA157R97**	**DT90S4**
	0.48	22500	3607	3	3	**FA157R97**	**DT100LS4**
	0.54	22500	3210	3	3	**FA157R97**	**DT100LS4**
	0.62	22500	2780	3	3	**FA157R97**	**DT90L4**
	0.71	22500	2427	3	2	**FA157R97**	**DT100LS4**
	0.79	22500	2185	3	2	**FA157R97**	**DT100LS4**
	0.88	22500	1944	3	2	**FA157R97**	**DT100LS4**
	1.0	22500	1674	3	2	**FA157R97**	**DT100LS4**
	1.2	22500	1441	3	3	**FA157R97**	**DT100L4**
	1.3	22500	1308	3	2	**FA157R97**	**DT100L4**
	1.4	22500	1169	3	2	**FA157R97**	**DT100L4**
	1.8	22500	953	3	2	**FA157R97**	**DT100L4**

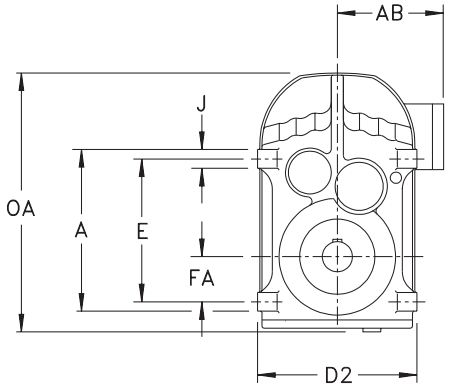
NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1] Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.
[2] Pri. = primary reducer Sec. = secondary reducer

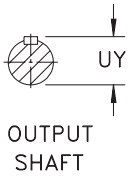
Torque T_a lb-in	OutputSpeed n_a rpm	OHL[1] F_{Ra} lb	Ratio i	GearStages[2] Pri.	GearStages[2] Sec.	Model Gear	Model Motor
159300	**2.0**	22500	845	3	2	**FA157R97**	**DV132S4**
	2.3	22500	764	3	2	**FA157R97**	**DV132S4**
	2.5	22500	680	3	2	**FA157R97**	**DV132S4**
	3.0	22500	576	3	2	**FA157R97**	**DV132M4**
	3.5	22500	503	3	2	**FA157R97**	**DV132M4**
	3.9	22500	446	3	2	**FA157R97**	**DV132ML4**
	4.9	22500	353	3	2	**FA157R97**	**DV160M4**
	5.8	22500	302	3	2	**FA157R97**	**DV160L4**
	6.4	22500	273	3	2	**FA157R97**	**DV160L4**
	7.6	22500	232	3	2	**FA157R97**	**DV180M4**
	8.7	22500	202	3	2	**FA157R97**	**DV180M4**
	9.0	22500	197	3	2	**FA157R97**	**DV180M4**

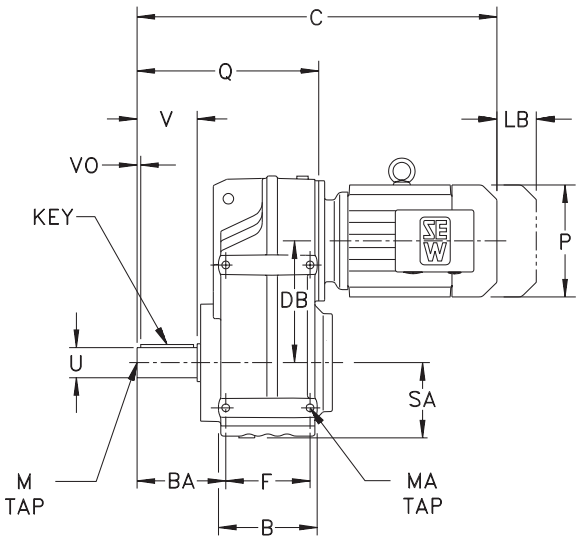
NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 166 for available mounting options. See page 278 for weights.
See page 230 for index to F gearmotor dimension pages. Dimensions are on pages 232 - 265.
[1]Overhung loads (OHL) apply only for F gearmotors and are at the shaft midpoint. Contact SEW for other reducer type OHL's.
[2]Pri. = primary reducer Sec. = secondary reducer

theSNUGGLER® Helical Gear Units

Dimensions
Type F Gearmotors - Rail Mounted







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	A	B	BA	D2	DB	E	F	FA	J	MA	OA	Q	SA
F37	5.31	3.74	2.85	6.50	4.41	4.53	3.03	1.22	0.79	M8 x .43	9.92	6.30	2.99
	135	95	72.5	165	112	115	77	31	20	M8 x 11	252	160	76
F47	6.50	4.29	3.58	7.09	5.04	5.71	3.66	1.69	0.79	M10 x .59	10.59	7.60	3.03
	165	109	91	180	128.1	145	93	43	20	M10 x 15	269	193	77
F57	7.68	4.96	4.11	7.87	5.35	6.69	4.02	2.17	0.98	M12 x .67	12.48	8.70	3.66
	195	126	104.5	200	136	170	102	55	25	M12 x 17	317	221	93
F67	8.46	5.16	4.67	8.35	6.28	7.48	4.41	2.36	0.98	M12 x .67	13.50	9.53	3.82
	215	131	118.5	212	159.5	190	112	60	25	M12 x 17	343	242	97

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
F37	1.000 *25*	1.11 *28*	1.97 *50*	0.32 *5*	$^1/_4 \times {}^1/_4 \times 1^5/_{16}$ *8 x 7 x 40*	$^3/_8$–16 × 0.87 *M10 x 22*
F47	1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^1/_4 \times {}^1/_4 \times 1^{11}/_{16}$ *8 x 7 x 50*	$^1/_2$–13 × 1.12 *M10 x 22*
F57	1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^5/_{16} \times {}^5/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^1/_2$–13 × 1.12 *M12 x 28*
F67	1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	$^3/_8 \times {}^3/_8 \times 2^1/_4$ *12 x 8 x 70*	$^5/_8$–11 × 1.38 *M16 x 36*

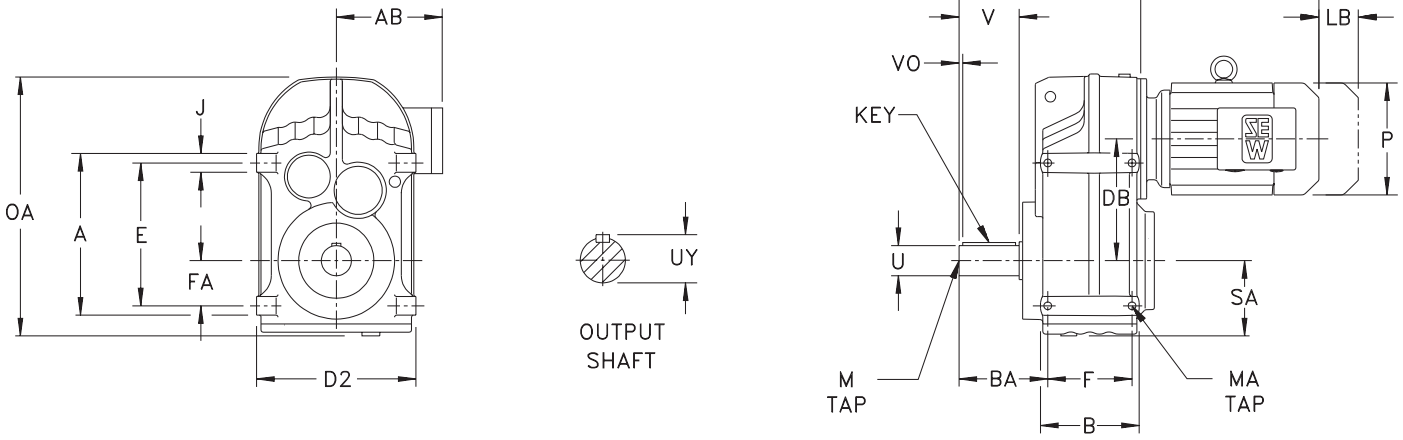
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221
F37	**C**	14.37 365	16.34 415	17.13 435	19.21 488	— —	— —
F47	**C**	15.67 398	17.64 448	18.43 468	20.51 521	— —	— —
F57	**C**	16.54 420	18.50 470	19.29 490	21.26 540	22.64 575	24.53 623
F67	**C**	17.36 441	19.33 491	20.12 511	22.09 561	23.46 596	25.35 644

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 274 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	A	B	BA	D2	DB	E	F	FA	J	MA	OA	Q	SA
F77	10.83	6.50	5.41	10.63	7.87	9.45	5.51	2.76	1.38	M16 x 1.02	16.77	11.57	4.76
	275	165	137.5	270	200	240	140	70	35	M16 x 26	426	294	121
F87	13.78	7.68	6.42	12.99	9.71	12.20	6.50	3.94	1.57	M16 x 1.02	20.91	13.54	5.98
	350	195	163	330	246.7	310	165	100	40	M16 x 26	531	344	152
F97	15.75	9.45	7.50	15.75	11.22	13.78	8.07	4.72	1.97	M20 x 1.10	24.53	16.38	7.01
	400	240	190.5	400	285	350	205	120	50	M20 x 28	623	416	178
F107	18.11	10.24	9.51	17.72	13.09	15.75	8.66	4.92	2.36	M24 x 1.42	28.23	19.06	7.87
	460	260	241.5	450	332.4	400	220	125	60	M24 x 36	717	484	200

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
F77	2.000 *50*	2.22 *53.5*	3.94 *100*	0.64 *10*	$^1/_2 \times ^1/_2 \times 2^5/_8$ *14 x 9 x 80*	$^3/_4$–10 × 1.61 *M16 x 36*
F87	2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	$^5/_8 \times ^5/_8 \times 3^5/_8$ *18 x 11 x 110*	$^3/_4$–10 × 1.61 *M20 x 42*
F97	2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	$^3/_4 \times ^3/_4 \times 4^1/_8$ *20 x 12 x 125*	$^3/_4$–10 × 1.61 *M20 x 42*
F107	3.625 *90*	4.01 *95*	6.69 *170*	0.63 *5*	$^7/_8 \times ^7/_8 \times 5^3/_8$ *25 x 14 x 160*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

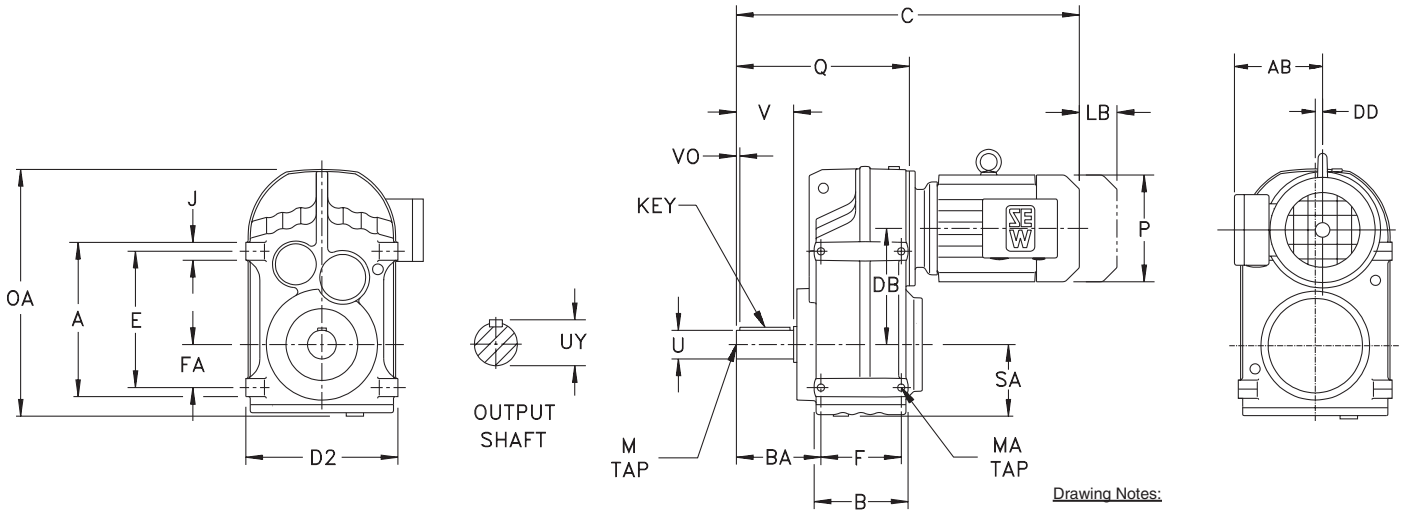
Motor

Model		DT				DV								
		71	80	90	100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
F77	**C**	19.17 487	21.14 537	21.85 555	23.82 605	25.24 641	27.01 686	27.80 706	30.16 766	30.16 766	— —	— —	— —	— —
F87	**C**	— —	22.91 582	23.66 601	25.63 651	27.01 686	28.78 731	29.57 751	31.93 811	31.93 811	33.82 859	36.61 930	— —	— —
F97	**C**	— —	— —	26.26 667	28.27 718	29.65 753	31.42 798	32.20 818	34.57 878	34.57 878	36.46 926	39.29 998	41.14 1045	— —
F107	**C**	— —	— —	— —	30.67 779	32.09 815	33.86 860	34.65 880	37.01 940	37.01 940	38.90 988	41.73 1060	43.58 1107	46.81 1189

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 274 for available output shaft sizes.

Dimensions
Type F Gearmotors - Rail Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	A	B	BA	D2	DB	DD	E	F	FA	J	MA	OA	Q	SA
F127	20.47	12.44	11.46	20.87	15.06	0.39	17.72	10.63	5.59	2.76	M30 x 1.77	33.70	23.03	9.29
	520	316	291	530	382.6	10	450	270	142	70	M30 x 45	856	585	236
F157	24.41	14.33	12.85	25.98	17.60	0.59	21.26	12.20	6.69	3.15	M36 x 2.17	40.20	26.06	11.26
	620	364	326.5	660	447	15	540	310	170	80	M36 x 55	1021	662	286

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
F127	4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
F157	4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	1 1/4 × 1 1/4 × 6 9/16 *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*

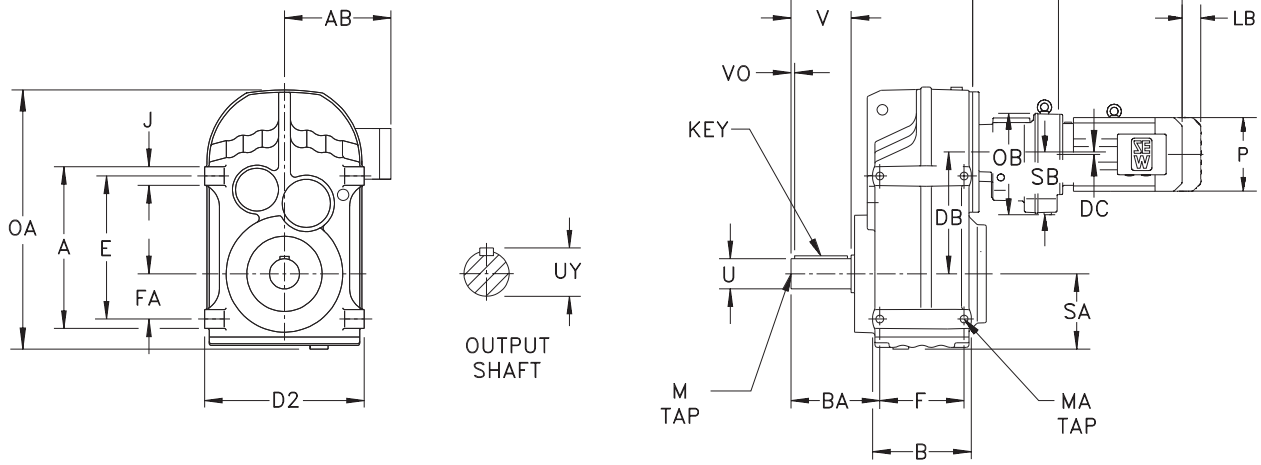
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DV 132M	132ML	160M	160L	180	200	225
	AB	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
F127	**C**	38.03 966	40.39 1026	40.39 1026	42.28 1074	45.12 1146	46.97 1193	50.20 1275
F157	**C**	— —	— —	43.11 1095	45.00 1143	47.83 1215	49.69 1262	52.91 1344

Dimensions are inch / mm

See page 274 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	B	BA	D2	DB	DC	E	F	FA	J	MA	OA	OB	Q	SA	SB	ZB
F37R17	5.31	3.74	2.85	6.50	4.41	0.00	4.53	3.03	1.22	0.79	M8 x .43	9.92	5.31	6.30	2.99	2.99	6.89
	135	95	72.5	165	112	0	115	77	31	20	M8 x 11	252	135	160	76	76	175
F47R17	6.50	4.29	3.58	7.09	5.04	0.00	5.71	3.66	1.69	0.79	M10 x .59	10.59	5.31	7.60	3.03	2.99	6.89
	165	109	91	180	128.1	0	145	93	43	20	M10 x 15	269	135	193	77	76	175
F57R37	7.68	4.96	4.11	7.87	5.35	0.40	6.69	4.02	2.17	0.98	M12 x .67	12.48	6.10	8.70	3.66	3.70	6.50
	195	126	104.5	200	136	10.1	170	102	55	25	M12 x 17	317	155	221	93	94	165
F67R37	8.46	5.16	4.67	8.35	6.28	0.40	7.48	4.41	2.36	0.98	M12 x .67	13.50	6.10	9.53	3.82	3.70	6.50
	215	131	118.5	212	159.5	10.1	190	112	60	25	M12 x 17	343	155	242	97	94	165

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
F37R17	1.000 *25*	1.11 *28*	1.97 *50*	0.32 *5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{5}/_{16}$ *8 x 7 x 40*	$^{3}/_{8}$–16 × 0.87 *M10 x 22*
F47R17	1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 50*	$^{1}/_{2}$–13 × 1.12 *M10 x 22*
F57R37	1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^{1}/_{2}$–13 × 1.12 *M12 x 28*
F67R37	1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 70*	$^{5}/_{8}$–11 × 1.38 *M16 x 36*

*** Note: See page 33 for applicable tolerances.**

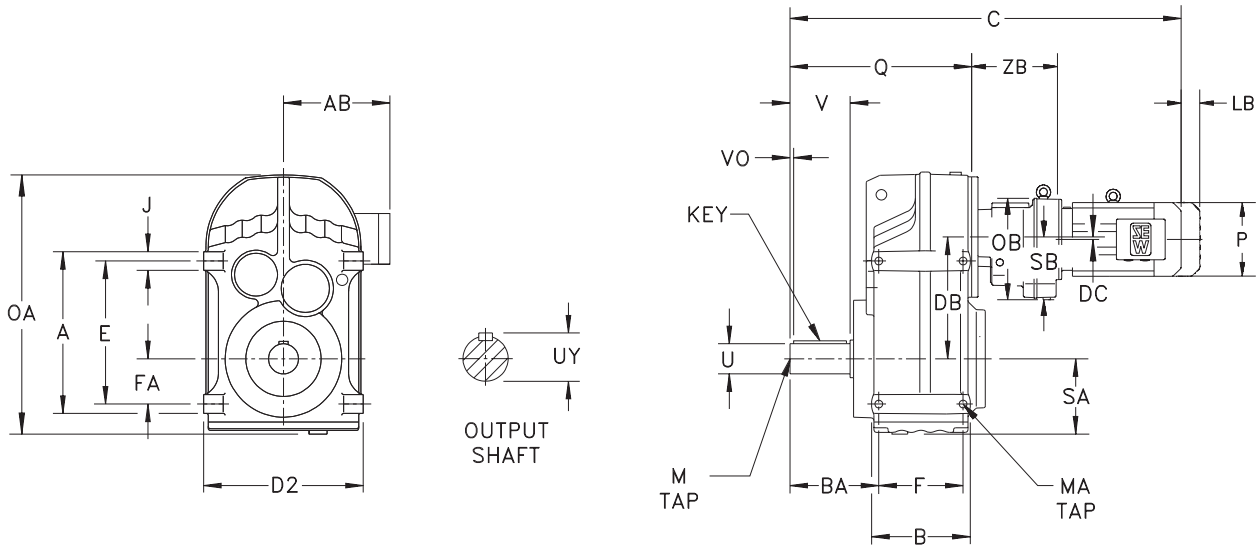
Motor

Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
F37R17	**C**	19.65 499	21.61 549	— —	— —
F47R17	**C**	20.94 532	22.91 582	— —	— —
F57R37	**C**	23.27 591	25.24 641	26.02 661	28.11 714
F67R37	**C**	24.09 612	26.06 662	26.85 682	28.94 735

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 274 for available output shaft sizes.

Dimensions
Type F Gearmotors - Rail Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	B	BA	D2	DB	DC	E	F	FA	J	MA	OA	OB	Q	SA	SB	ZB
F77R37	10.83	6.50	5.41	10.63	7.87	0.40	9.45	5.51	2.76	1.38	M16 x 1.02	16.77	6.10	11.57	4.76	3.70	6.18
	275	165	137.5	270	200	10.1	240	140	70	35	M16 x 26	426	155	294	121	94	157
F87R57	13.78	7.68	6.42	12.99	9.71	0.44	12.20	6.50	3.94	1.57	M16 x 1.02	20.91	7.60	13.54	5.98	4.76	8.50
	350	195	163	330	246.7	11.2	310	165	100	40	M16 x 26	531	193	344	152	121	216
F97R57	15.75	9.45	7.50	15.75	11.22	0.44	13.78	8.07	4.72	1.97	M20 x 1.10	24.53	7.60	16.38	7.01	4.76	8.31
	400	240	190.5	400	285	11.2	350	205	120	50	M20 x 28	623	193	416	178	121	211
F107R77	18.11	10.24	9.51	17.72	13.09	0.63	15.75	8.66	4.92	2.36	M24 x 1.42	28.23	9.13	19.06	7.87	5.67	9.72
	460	260	241.5	450	332.4	15.9	400	220	125	60	M24 x 36	717	232	484	200	144	247

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
F77R37	2.000 *50*	2.22 *53.5*	3.94 *100*	0.64 *10*	$^{1}/_{2} \times {}^{1}/_{2} \times 2^{5}/_{8}$ *14 x 9 x 80*	$^{3}/_{4}$–10 × 1.61 *M16 x 36*
F87R57	2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{5}/_{8}$ *18 x 11 x 110*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*
F97R57	2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	$^{3}/_{4} \times {}^{3}/_{4} \times 4^{1}/_{8}$ *20 x 12 x 125*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*
F107R77	3.625 *90*	4.01 *95*	6.69 *170*	0.63 *5*	$^{7}/_{8} \times {}^{7}/_{8} \times 5^{3}/_{8}$ *25 x 14 x 160*	1 –8 × 2.13 *M24 x 50*

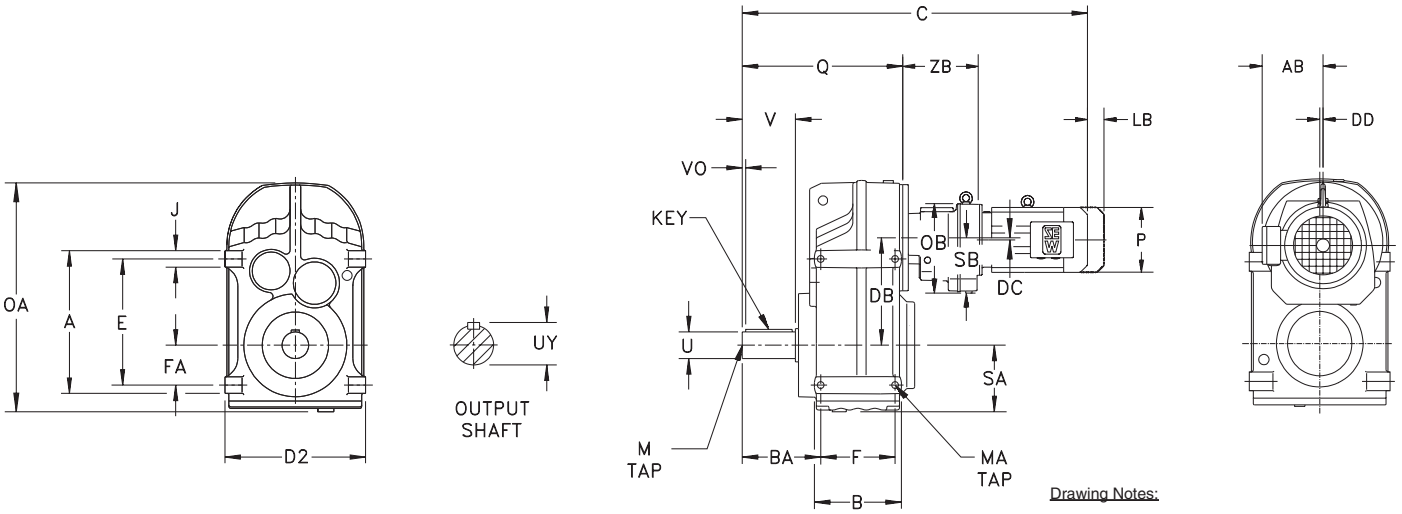
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M	DV 132ML	DV 160M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275
F77R37	**C**	25.83 656	27.80 706	28.58 726	30.67 779	— —	— —	— —	— —	— —
F87R57	**C**	29.88 759	31.85 809	32.64 829	34.61 879	35.98 914	37.87 962	38.74 984	— —	— —
F97R57	**C**	32.52 826	34.49 876	35.28 896	37.24 946	38.62 981	40.51 1029	41.38 1051	— —	— —
F107R77	**C**	36.38 924	38.35 974	39.06 992	41.02 1042	42.44 1078	44.21 1123	45.00 1143	47.36 1203	47.36 1203

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 274 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	B	BA	D2	DB	DC	DD	E	F	FA	J	MA	OA	OB	Q	SA	SB	ZB
F127R77	20.47	12.44	11.46	20.87	15.06	0.63	0.39	17.72	10.63	5.59	2.76	M30 x 1.77	33.70	9.13	23.03	9.29	5.67	9.13
	520	316	291	530	382.6	15.9	10	450	270	142	70	M30 x 45	856	232	585	236	144	232
F127R87	20.47	12.44	11.46	20.87	15.06	0.50	0.39	17.72	10.63	5.59	2.76	M30 x 1.77	33.70	11.77	23.03	9.29	7.24	11.02
	520	316	291	530	382.6	12.6	10	450	270	142	70	M30 x 45	856	299	585	236	184	280
F157R97	24.41	14.33	12.85	25.98	17.60	0.40	0.59	21.26	12.20	6.69	3.15	M36 x 2.17	40.20	14.72	26.06	11.26	9.06	12.80
	620	364	326.5	660	447	10.2	15	540	310	170	80	M36 x 55	1021	374	662	286	230	325

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
F127R77	4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
F127R87	4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
F157R97	4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	$1^{1}/_{4} \times 1^{1}/_{4} \times 6^{9}/_{16}$ *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

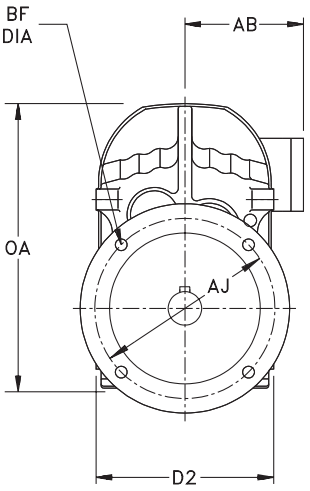
Motor

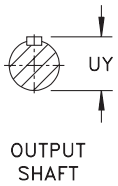
Model		DT				DV							
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**	**200**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394
F127R77	**C**	39.76 1010	41.73 1060	42.44 1078	44.41 1128	45.83 1164	47.60 1209	48.39 1229	50.75 1289	50.75 1289	— —	— —	— —
F127R87	**C**	— —	43.43 1103	44.17 1122	46.14 1172	47.52 1207	49.29 1252	50.08 1272	52.44 1332	52.44 1332	54.33 1380	57.13 1451	— —
F157R97	**C**	— —	47.95 1218	48.74 1238	50.75 1289	52.13 1324	53.90 1369	54.69 1389	57.05 1449	57.05 1449	58.94 1497	61.77 1569	63.62 1616

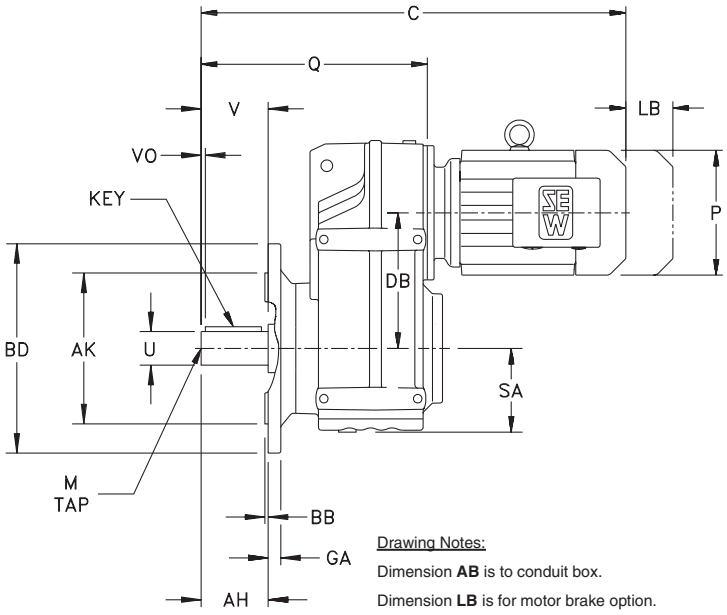
Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 274 for available output shaft sizes.

Dimensions
Type FF Gearmotors - Flange Mounted







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	OA	Q	SA
FF37	6.50 165	4.41 112	9.92 252	7.24 184	2.99 76
FF47	7.09 180	5.04 128.1	10.59 269	8.35 212	3.03 77
FF57	7.87 200	5.35 136	12.48 317	9.57 243	3.66 93
FF67	8.35 212	6.28 159.5	13.50 343	10.39 264	3.82 97

Flange

AH	AJ	AK *	BB	BD	BF	GA
1.97 50	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
2.36 60	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
2.76 70	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
3.15 80	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
FF37	1.000 *25*	1.11 *28*	1.97 *50*	0.32 *5*	$^1/_4 \times {}^1/_4 \times 1^5/_{16}$ *8 x 7 x 40*	$^3/_8$–16 × 0.87 *M10 x 22*
FF47	1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^1/_4 \times {}^1/_4 \times 1^{11}/_{16}$ *8 x 7 x 50*	$^1/_2$–13 × 1.12 *M10 x 22*
FF57	1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^5/_{16} \times {}^5/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^1/_2$–13 × 1.12 *M12 x 28*
FF67	1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	$^3/_8 \times {}^3/_8 \times 2^1/_4$ *12 x 8 x 70*	$^5/_8$–11 × 1.38 *M16 x 36*

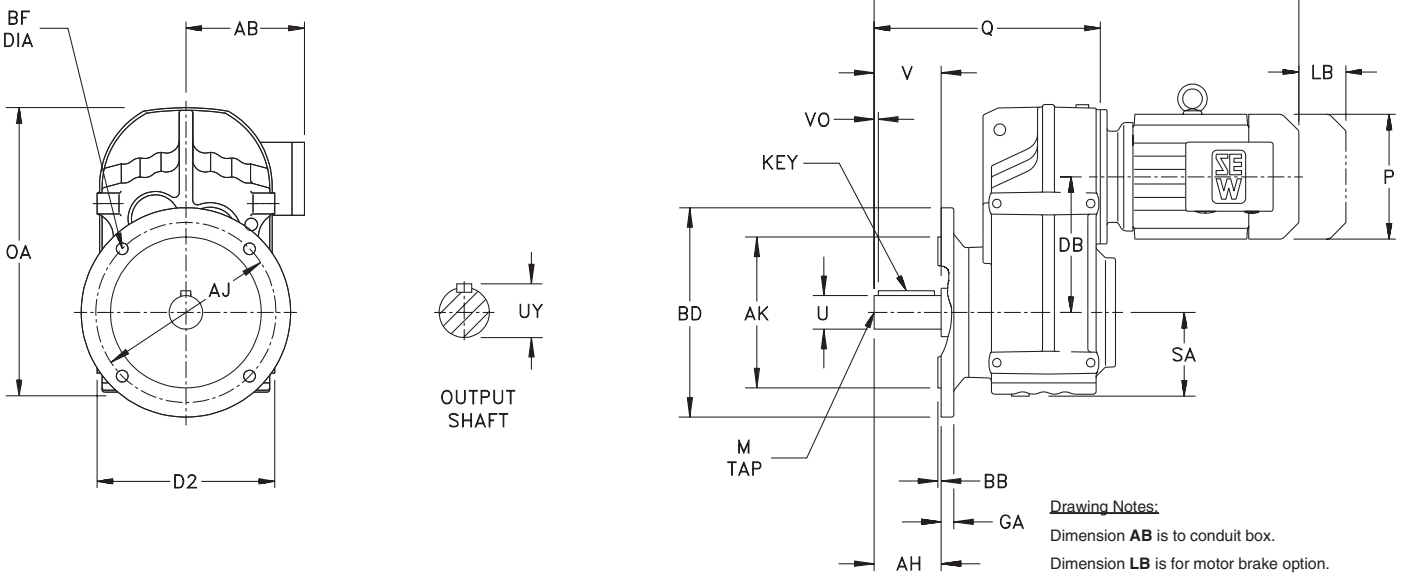
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT				DV	
		71	**80**	**90**	**100**	**112M**	**132S**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221
FF37	**C**	15.31 389	17.28 439	18.07 459	20.16 512	— —	— —
FF47	**C**	16.42 417	18.39 467	19.17 487	21.26 540	— —	— —
FF57	**C**	17.40 442	19.37 492	20.16 512	22.13 562	23.50 597	25.39 645
FF67	**C**	18.23 463	20.20 513	20.98 533	22.95 583	24.33 618	26.22 666

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 274 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	OA	Q	SA
FF77	10.63 270	7.87 200	16.77 426	12.99 330	4.76 121
FF87	12.99 330	9.71 246.7	20.91 531	14.72 374	5.98 152

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
FF77	**Option 1**	3.94 100	10.43 265	9.055 230	0.16 4	11.81 300	0.53 13.5	0.63 16
	Option 2[1)]	3.94 100	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
FF87		4.72 120	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.71 18

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
FF77	2.000 *50*	2.22 *53.5*	3.94 *100*	0.64 *10*	$^{1}/_{2} \times {}^{1}/_{2} \times 2^{5}/_{8}$ *14 x 9 x 80*	$^{3}/_{4}$–10 × 1.61 *M16 x 36*
FF87	2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{5}/_{8}$ *18 x 11 x 110*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*

*** Note: See page 33 for applicable tolerances.**

Motor

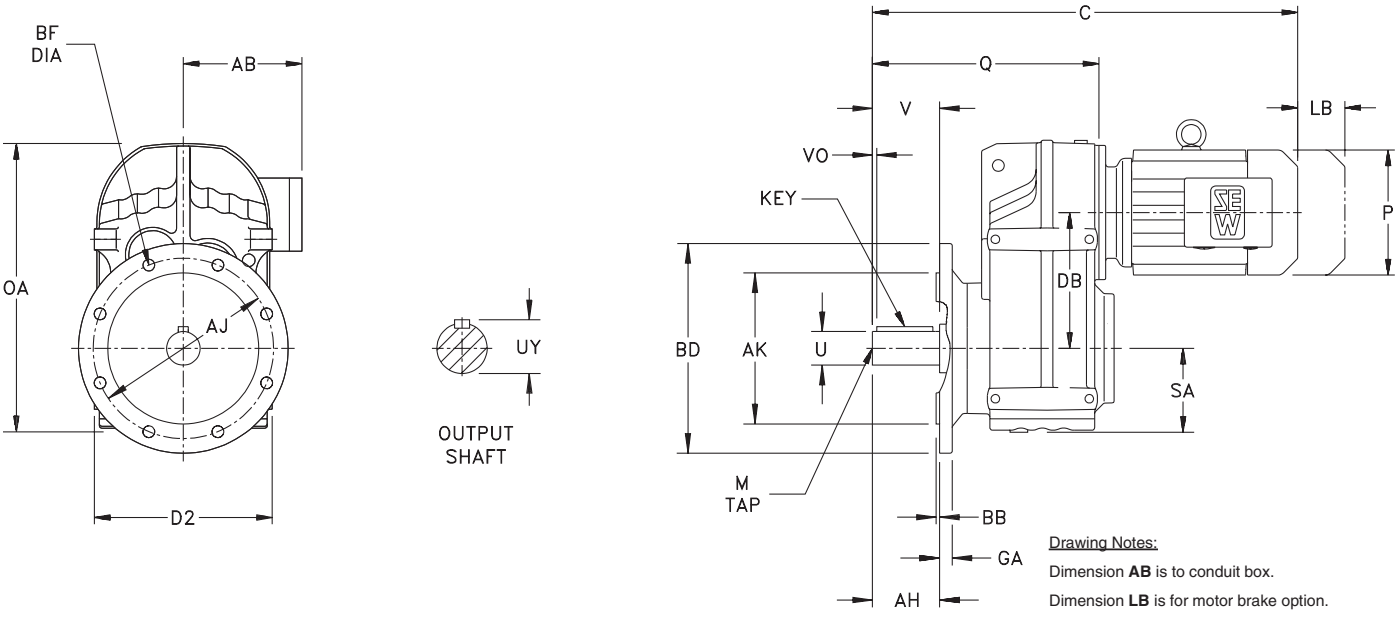
Model		DT				DV						
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331
FF77	**C**	20.59 523	22.56 573	23.27 591	25.24 641	26.65 677	28.43 722	29.21 742	31.57 802	31.57 802	— —	— —
FF87	**C**	— —	24.09 612	24.84 631	26.81 681	28.19 716	29.96 761	30.75 781	33.11 841	33.11 841	35.00 889	37.80 960

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 274 for available output shaft sizes.

[1)] This flange option reduces the gearbox torque rating - contact SEW-Eurodrive for details

Dimensions
Type FF Gearmotors - Flange Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	OA	Q	SA
FF97	15.75 400	11.22 285	24.53 623	17.95 456	7.01 178
FF107	17.72 450	13.09 332.4	28.23 717	20.59 523	7.87 200

Flange

AH	AJ	AK *	BB	BD	BF	GA
5.51 140	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22
6.69 170	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
FF97	2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	$^{3}/_{4} \times {}^{3}/_{4} \times 4^{1}/_{8}$ *20 x 12 x 125*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*
FF107	3.625 *90*	4.01 *95*	6.69 *170*	0.63 *5*	$^{7}/_{8} \times {}^{7}/_{8} \times 5^{3}/_{8}$ *25 x 14 x 160*	1 –8 × 2.13 *M24 x 50*

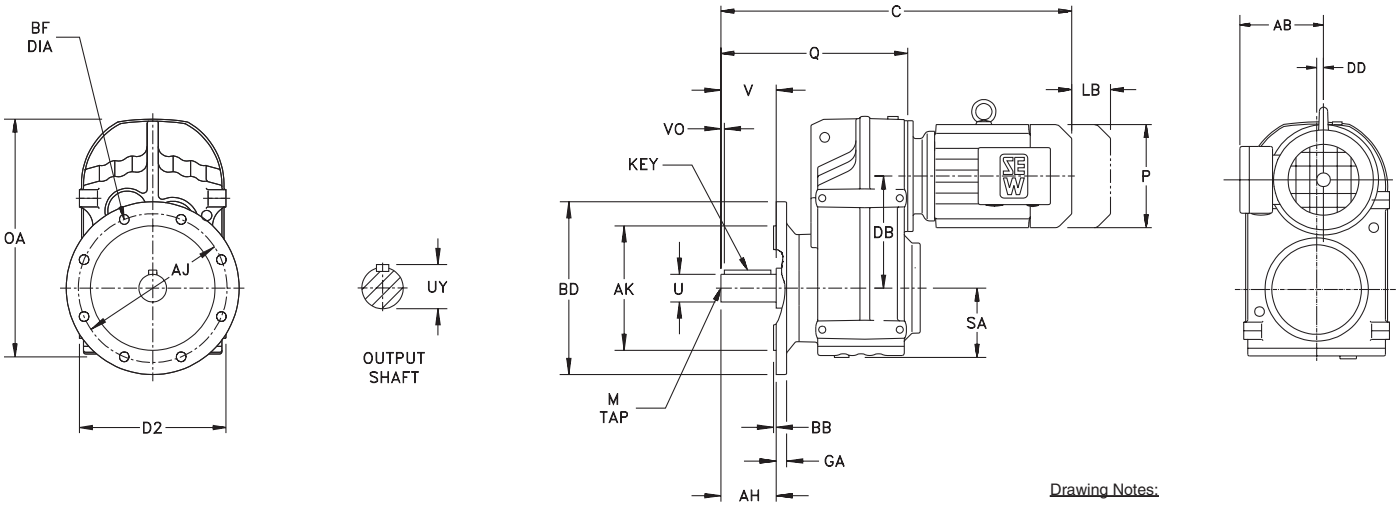
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT		DV								
		90	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**	**200**	**225**
	AB	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
FF97	**C**	27.83 707	29.84 758	31.22 793	32.99 838	33.78 858	36.14 918	36.14 918	38.03 966	40.87 1038	42.72 1085	— —
FF107	**C**	— —	32.20 818	33.62 854	35.39 899	36.18 919	38.54 979	38.54 979	40.43 1027	43.27 1099	45.12 1146	48.35 1228

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 274 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DD	OA	Q	SA
FF127	20.87 530	15.06 382.6	0.39 10	33.70 856	24.96 634	9.29 236
FF157	25.98 660	17.60 447	0.59 15	40.20 1021	28.54 725	11.26 286

Flange

AH	AJ	AK *	BB	BD	BF	GA
8.27 210	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	0.98 25
8.27 210	23.62 600	21.654 550	0.24 6	25.98 660	0.87 22	1.10 28

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
FF127	4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
FF157	4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	$1^{1}/_{4} \times 1^{1}/_{4} \times 6^{9}/_{16}$ *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

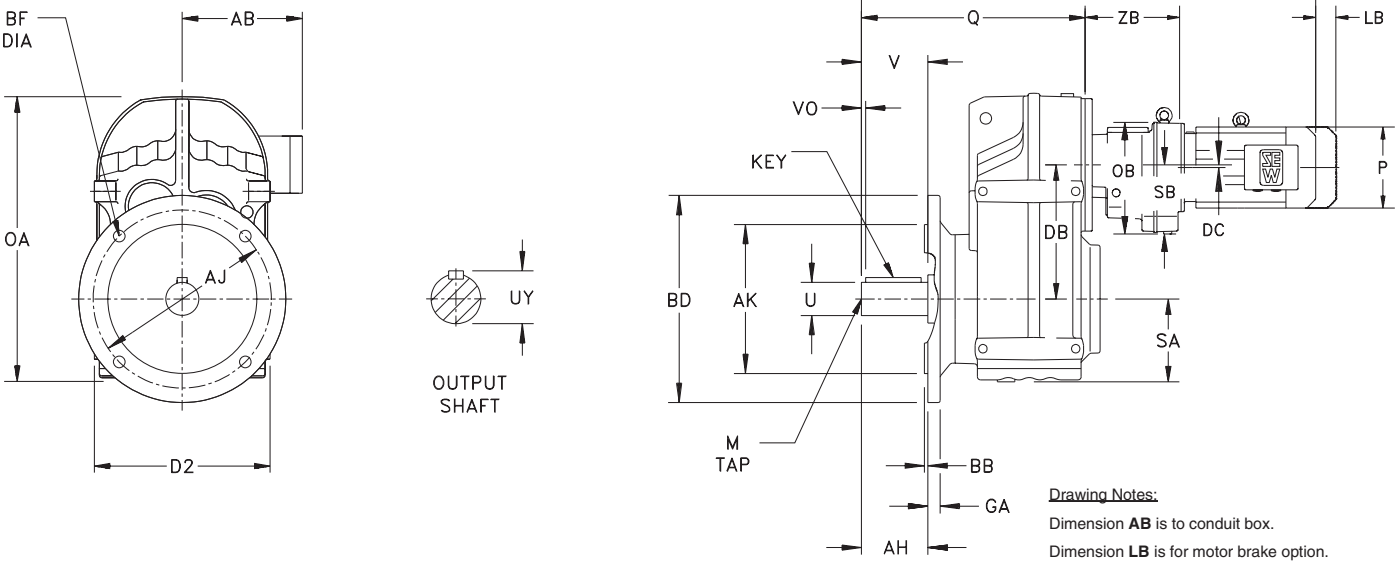
Motor

Model		DV 132M	DV 132ML	DV 160M	DV 160L	DV 180	DV 200	DV 225
	AB	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
FF127	**C**	39.96 1015	42.32 1075	42.32 1075	44.21 1123	47.05 1195	48.90 1242	52.13 1324
FF157	**C**	— —	— —	45.59 1158	47.48 1206	50.31 1278	52.17 1325	55.39 1407

Dimensions are inch / mm

See page 274 for available output shaft sizes.

Dimensions
Type FF Gearmotors - Flange Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DC	OA	OB	Q	SA	SB	ZB
FF37R17	6.50 165	4.41 112	0.00 0	9.92 252	5.31 135	7.24 184	2.99 76	2.99 76	6.89 175
FF47R17	7.09 180	5.04 128.1	0.00 0	10.59 269	5.31 135	8.35 212	3.03 77	2.99 76	6.89 175
FF57R37	7.87 200	5.35 136	0.40 10.1	12.48 317	6.10 155	9.57 243	3.66 93	3.70 94	6.50 165
FF67R37	8.35 212	6.28 159.5	0.40 10.1	13.50 343	6.10 155	10.39 264	3.82 97	3.70 94	6.50 165

Flange

AH	AJ	AK *	BB	BD	BF	GA
1.97 50	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
2.36 60	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
2.76 70	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
3.15 80	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
FF37R17	1.000 *25*	1.11 *28*	1.97 *50*	0.32 *5*	1/4 × 1/4 × 1 5/16 *8 x 7 x 40*	3/8–16 × 0.87 *M10 x 22*
FF47R17	1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	1/4 × 1/4 × 1 11/16 *8 x 7 x 50*	1/2–13 × 1.12 *M10 x 22*
FF57R37	1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	5/16 × 5/16 × 1 13/16 *10 x 8 x 56*	1/2–13 × 1.12 *M12 x 28*
FF67R37	1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	3/8 × 3/8 × 2 1/4 *12 x 8 x 70*	5/8–11 × 1.38 *M16 x 36*

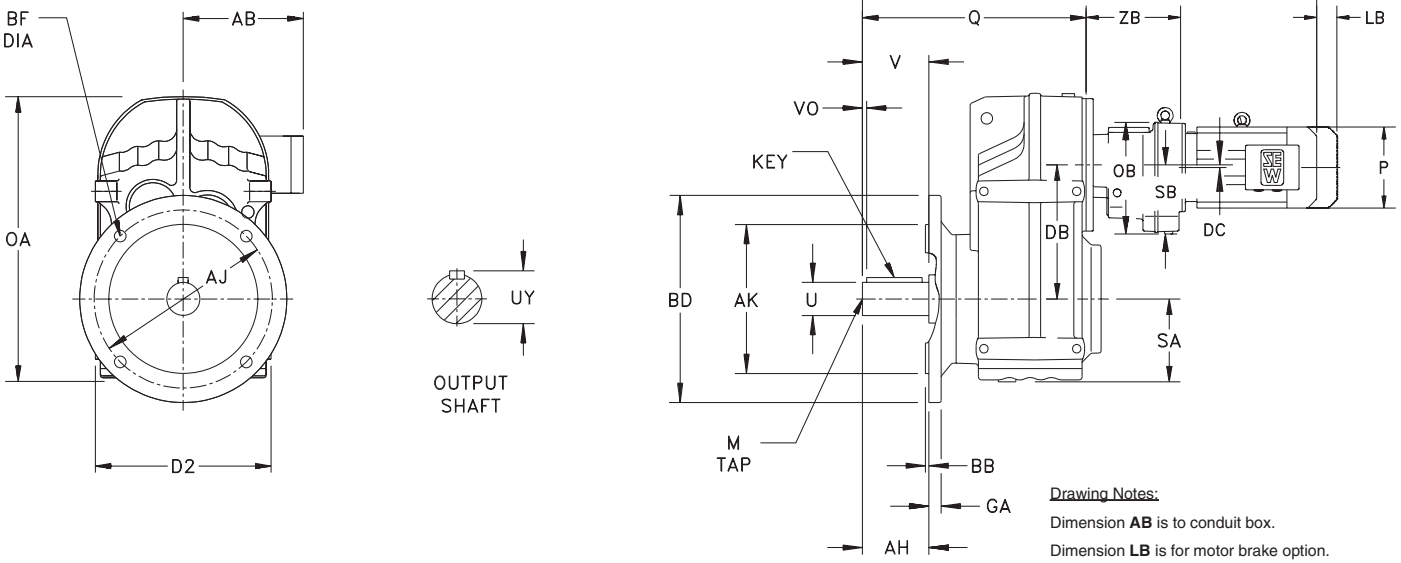
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
FF37R17	**C**	20.59 523	22.56 573	— —	— —
FF47R17	**C**	21.69 551	23.66 601	— —	— —
FF57R37	**C**	24.13 613	26.10 663	26.89 683	28.98 736
FF67R37	**C**	24.96 634	26.93 684	27.72 704	29.80 757

Dimensions are inch / mm

See page 274 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DC	OA	OB	Q	SA	SB	ZB
FF77R37	10.63	7.87	0.40	16.77	6.10	12.99	4.76	3.70	6.18
	270	200	10.1	426	155	330	121	94	157
FF87R57	12.99	9.71	0.44	20.91	7.60	14.72	5.98	4.76	8.50
	330	246.7	11.2	531	193	374	152	121	216

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
FF77R37	**Option 1**	3.94 100	10.43 265	9.055 230	0.16 4	11.81 300	0.53 13.5	0.63 16
	Option 2[1)]	3.94 100	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
FF87R57		4.72 120	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.71 18

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
FF77R37	2.000 *50*	2.22 *53.5*	3.94 *100*	0.64 *10*	$^1/_2 \times {}^1/_2 \times 2^5/_8$ *14 x 9 x 80*	$^3/_4$–10 × 1.61 *M16 x 36*
FF87R57	2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	$^5/_8 \times {}^5/_8 \times 3^5/_8$ *18 x 11 x 110*	$^3/_4$–10 × 1.61 *M20 x 42*

*** Note: See page 33 for applicable tolerances.**

Motor

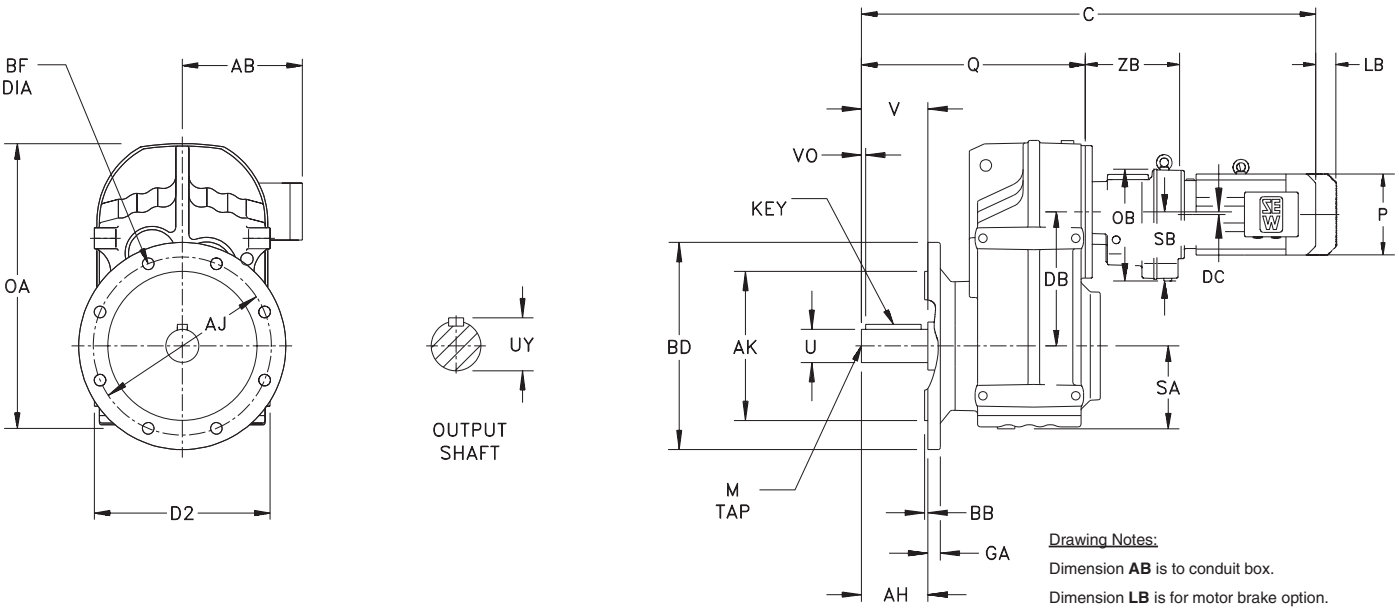
Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
FF77R37	**C**	27.24 692	29.21 742	30.00 762	32.09 815	— —	— —	— —
FF87R57	**C**	31.06 789	33.03 839	33.82 859	35.79 909	37.17 944	39.06 992	39.92 1014

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 274 for available output shaft sizes.

[1)] **This flange option reduces the gearbox torque rating - contact SEW-Eurodrive for details**

Dimensions
Type FF Gearmotors - Flange Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DC	OA	OB	Q	SA	SB	ZB
FF97R57	15.75 400	11.22 285	0.44 11.2	24.53 623	7.60 193	17.95 456	7.01 178	4.76 121	8.31 211
FF107R77	17.72 450	13.09 332.4	0.63 15.9	28.23 717	9.13 232	20.59 523	7.87 200	5.67 144	9.72 247

Flange

AH	AJ	AK *	BB	BD	BF	GA
5.51 140	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22
6.69 170	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
FF97R57	2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	$^{3}/_{4} \times {}^{3}/_{4} \times 4^{1}/_{8}$ *20 x 12 x 125*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*
FF107R77	3.625 *90*	4.01 *95*	6.69 *170*	0.63 *5*	$^{7}/_{8} \times {}^{7}/_{8} \times 5^{3}/_{8}$ *25 x 14 x 160*	1 –8 × 2.13 *M24 x 50*

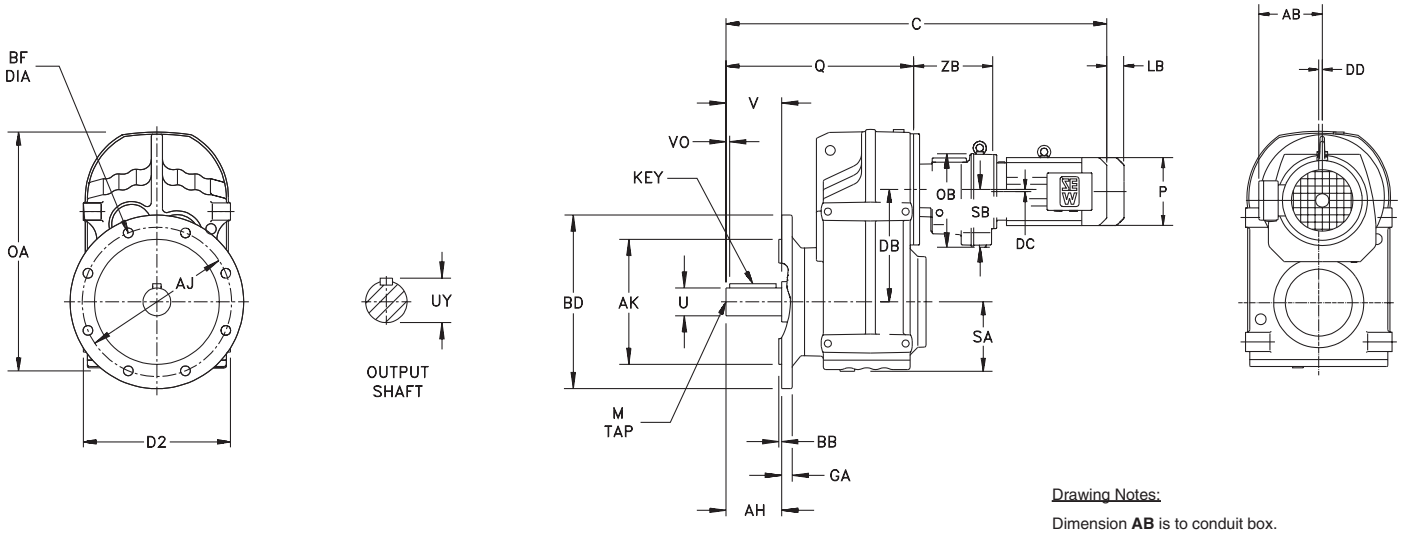
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT				DV				
		71	80	90	100	112M	132S	132M	132ML	160M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275
FF97R57	**C**	34.09 866	36.06 916	36.85 936	38.82 986	40.20 1021	42.09 1069	42.95 1091	— —	— —
FF107R77	**C**	37.91 963	39.88 1013	40.59 1031	42.56 1081	43.98 1117	45.75 1162	46.54 1182	48.90 1242	48.90 1242

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 274 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DC	DD	OA	OB	Q	SA	SB	ZB
FF127R77	20.87 530	15.06 382.6	0.63 15.9	0.39 10	33.70 856	9.13 232	24.96 634	9.29 236	5.67 144	9.13 232
FF127R87	20.87 530	15.06 382.6	0.50 12.6	0.39 10	33.70 856	11.77 299	24.96 634	9.29 236	7.24 184	11.02 280
FF157R97	25.98 660	17.60 447	0.40 10.2	0.59 15	40.20 1021	14.72 374	28.54 725	11.26 286	9.06 230	12.80 325

Flange

AH	AJ	AK *	BB	BD	BF	GA
8.27 210	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	0.98 25
8.27 210	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	0.98 25
8.27 210	23.62 600	21.654 550	0.24 6	25.98 660	0.87 22	1.10 28

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
FF127R77	4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
FF127R87	4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
FF157R97	4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	$1^{1}/_{4} \times 1^{1}/_{4} \times 6^{9}/_{16}$ *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

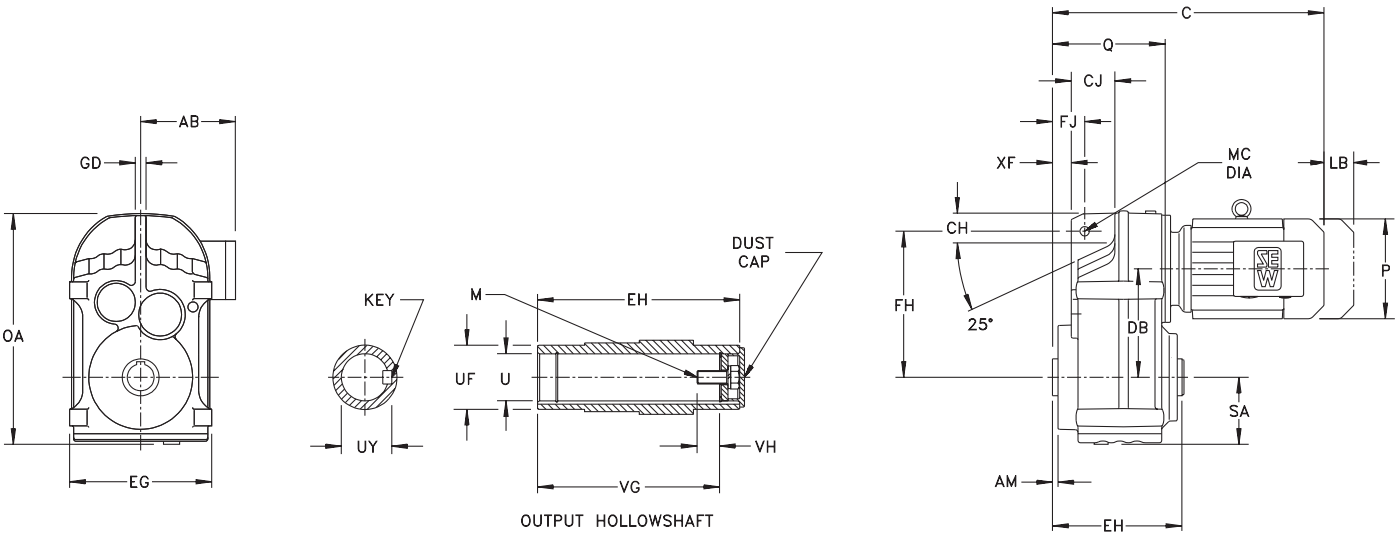
Motor

Model		DT				DV							
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**	**200**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394
FF127R77	**C**	41.69 1059	43.66 1109	44.37 1127	46.34 1177	47.76 1213	49.53 1258	50.31 1278	52.68 1338	52.68 1338	— —	— —	— —
FF127R87	**C**	— —	45.35 1152	46.10 1171	48.07 1221	49.45 1256	51.22 1301	52.01 1321	54.37 1381	54.37 1381	56.26 1429	59.06 1500	— —
FF157R97	**C**	— —	50.43 1281	51.22 1301	53.23 1352	54.61 1387	56.38 1432	57.17 1452	59.53 1512	59.53 1512	61.42 1560	64.25 1632	66.10 1679

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 274 for available output shaft sizes.

Dimensions
Type FA Gearmotors - Shaft Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	AM	CH	CJ	DB	EG	FH	FJ	GD	MC	OA	Q	SA	XF
FA37	0.02	1.18	1.81	4.41	6.65	6.22	1.24	0.47	0.55	9.92	4.33	2.99	0.59
	0.5	30	46	112	169	158	31.5	12	14	252	110	76	15
FA47	0.04	0.87	2.52	5.04	7.28	6.69	1.26	0.47	0.55	10.59	5.24	3.03	0.47
	1	22	64	128.1	185	170	32	12	14	269	133	77	12
FA57	0.04	1.22	2.36	5.35	8.07	7.80	1.59	0.55	0.55	12.48	5.91	3.66	0.77
	1	31	60	136	205	198	40.5	14	14	317	150	93	19.5
FA67	0.04	1.57	2.56	6.28	8.54	8.58	1.61	0.63	0.55	13.50	6.34	3.82	0.83
	1	40	65	159.5	217	218	41	16	14	343	161	97	21

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FA37	4.72 *120*	1.250 *30*	1.77 *45*	1.37 *33.3*	4.13 *105*	0.67 *17*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 40*	$^{7}/_{16}$–14 × 1 *M10 x 25*
FA47	5.91 *150*	1.375 *35*	1.97 *50*	1.52 *38.3*	5.20 *132*	0.65 *22*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 45*	$^{1}/_{2}$–13 × 1 *M12 x 30*
FA57	6.54 *166*	1.500 *40*	2.17 *55*	1.67 *43.3*	5.59 *142*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$–11 × $1^{3}/_{4}$ *M16 x 40*
FA67	7.09 *180*	1.500 *40*	2.17 *55*	1.67 *43.3*	6.14 *156*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$–11 × $1^{3}/_{4}$ *M16 x 40*

*** Note: See page 33 for applicable tolerances.**

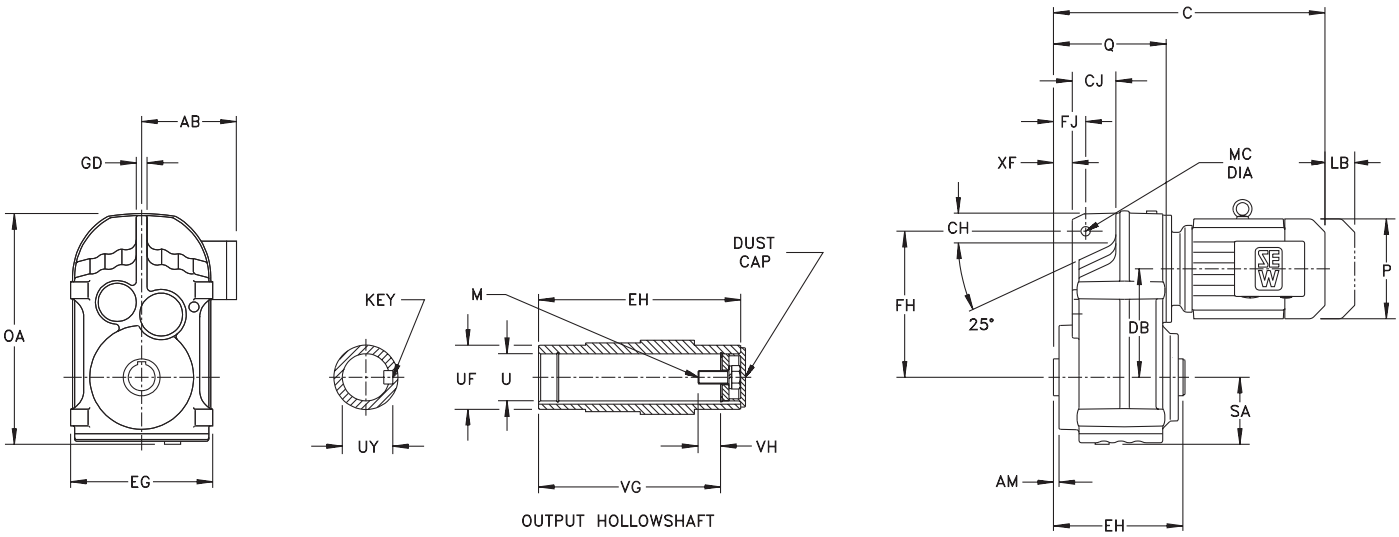
Motor

Model		DT				DV	
		71	80	90	100	112M	132S
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221
FA37	**C**	12.40 315	14.37 365	15.16 385	17.24 438	— —	— —
FA47	**C**	13.31 338	15.28 388	16.06 408	18.15 461	— —	— —
FA57	**C**	13.74 349	15.71 399	16.50 419	18.46 469	19.84 504	21.73 552
FA67	**C**	14.17 360	16.14 410	16.93 430	18.90 480	20.28 515	22.17 563

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 272 for torque arm details

See page 275 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	AM	CH	CJ	DB	EG	FH	FJ	GD	MC	OA	Q	SA	XF
FA77	0.04	1.93	2.72	7.87	10.83	10.94	1.97	0.79	0.87	16.77	7.60	4.76	1.10
	1	49	69	200	275	278	50	20	22	426	193	121	28
FA87	0.04	2.24	3.11	9.71	13.23	13.62	2.44	1.02	0.87	20.91	8.82	5.98	1.26
	1	57	79	246.7	336	346	62	26	22	531	224	152	32
FA97	0.04	3.46	4.09	11.22	15.94	15.55	2.76	1.18	1.02	24.53	10.79	7.01	1.34
	1	88	104	285	405	395	70	30	26	623	274	178	34
FA107	0.10	4.25	3.94	13.09	17.72	19.09	3.46	1.42	1.02	28.23	12.28	7.87	2.24
	2.5	108	100	332.4	450	485	88	36	26	717	312	200	57

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FA77	8.27 *210*	2.000 *50*	2.76 *70*	2.22 *53.8*	7.20 *183*	1.16 *32*	1/2 × 1/2 × 2 5/8 *14 x 9 x 80*	5/8-11 × 1 3/4 *M16 x 45*
FA87	9.45 *240*	2.375 *60*	3.35 *85*	2.65 *64.4*	8.27 *210*	1.39 *36*	5/8 × 5/8 × 3 5/8 *18 x 11 x 100*	3/4-10 × 2 *M20 x 50*
FA97	11.81 *300*	2.750 *70*	3.74 *95*	3.03 *74.9*	10.63 *270*	1.24 *34*	5/8 × 5/8 × 3 5/8 *20 x 12 x 110*	3/4-10 × 2 *M20 x 50*
FA107	13.78 *350*	3.625 *90*	4.65 *118*	3.89 *95.4*	12.32 *313*	1.24 *40*	7/8 × 5/8 × 3 1/2 *25 x 14 x 160*	3/4-10 × 2 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

Motor

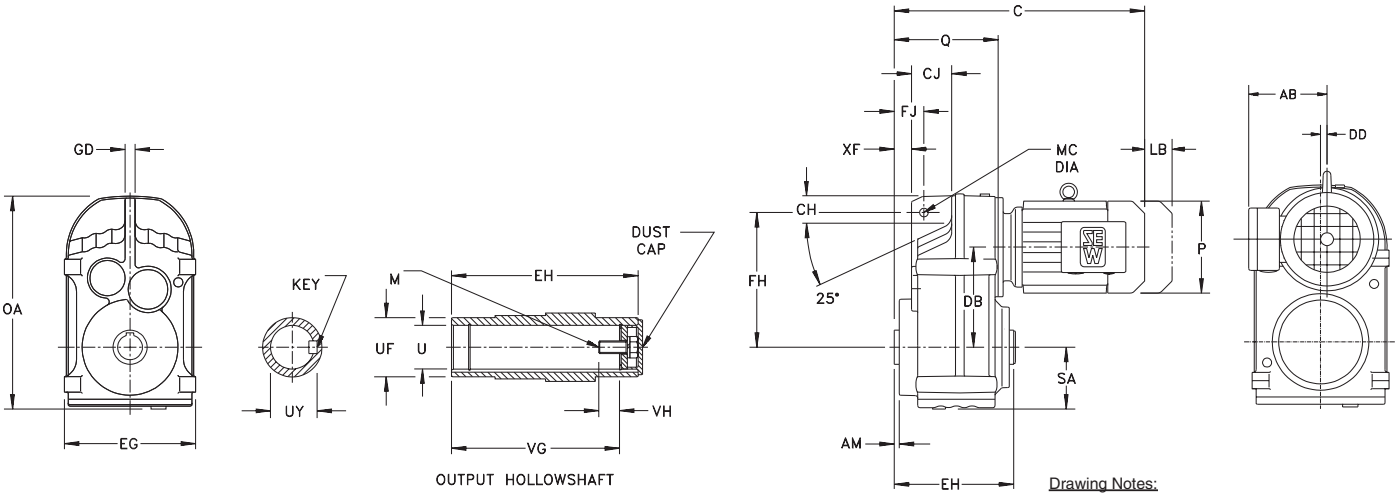
Model		DT				DV								
		71	80	90	100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
FA77	**C**	15.20 386	17.17 436	17.87 454	19.84 504	21.26 540	23.03 585	23.82 605	26.18 665	26.18 665	— —	— —	— —	— —
FA87	**C**	— —	18.19 462	18.94 481	20.91 531	22.28 566	24.06 611	24.84 631	27.20 691	27.20 691	29.09 739	31.89 810	— —	— —
FA97	**C**	— —	— —	20.67 525	22.68 576	24.06 611	25.83 656	26.61 676	28.98 736	28.98 736	30.87 784	33.70 856	35.55 903	— —
FA107	**C**	— —	— —	— —	23.90 607	25.31 643	27.09 688	27.87 708	30.24 768	30.24 768	32.13 816	34.96 888	36.81 935	40.04 1017

Dimensions are inch / mm

See page 272 for torque arm details

See page 275 for available output shaft sizes.

Dimensions
Type FA Gearmotors - Shaft Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	AM	CH	CJ	DB	DD	EG	FH	FJ	GD	MC	OA	Q	SA	XF
FA127	0.10	5.43	4.92	15.06	0.39	20.87	21.65	4.33	1.57	1.30	33.70	14.69	9.29	2.60
	2.5	138	125	382.6	10	530	550	110	40	33	856	373	236	66
FA157	0.28	6.69	5.51	17.60	0.59	25.98	25.98	5.91	1.77	1.30	40.20	17.91	11.26	3.86
	7	170	140	447	15	660	660	150	45	33	1021	455	286	98

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FA127	16.14	4.000	5.31	4.44	14.69	1.26	1 × 1 × 6	1-8 × 2 1/4
	410	*100*	*135*	*106.4*	*373*	*38*	*28 x 16 x 180*	*M24 x 60*
FA157	19.69	4.500	6.10	4.95	18.11	1.26	1 × 1 × 6	1-8 × 2 1/4
	500	*120*	*155*	*127.4*	*460*	*36*	*32 x 18 x 200*	*M24 x 60*

*** Note: See page 33 for applicable tolerances.**

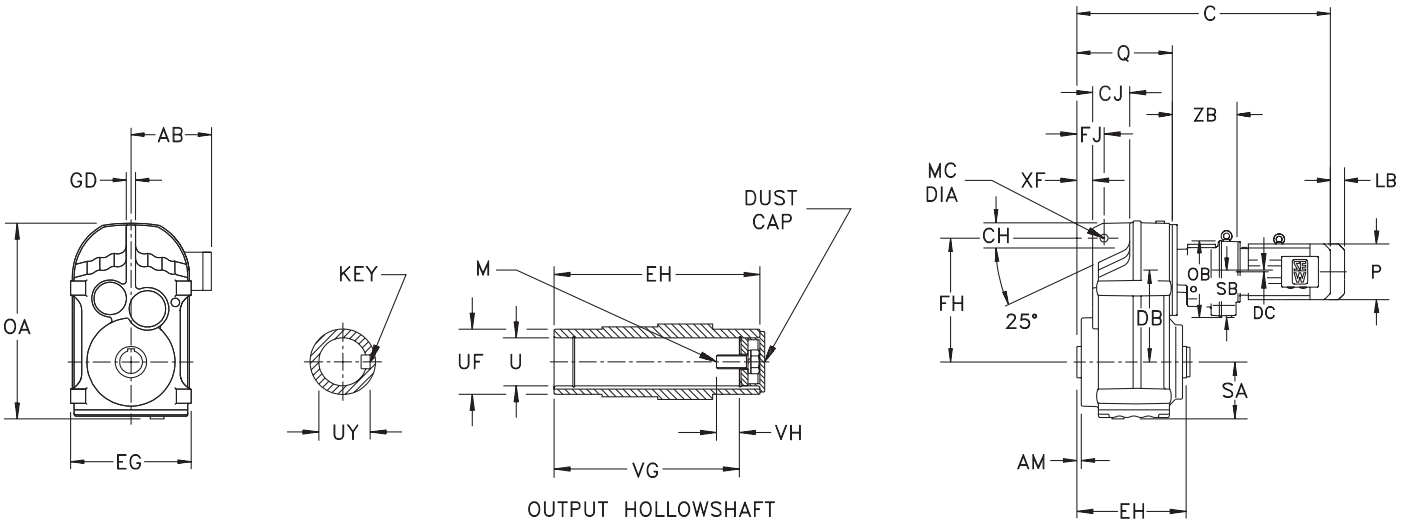
Motor

Dimensions are inch / mm

Model		DV 132M	132ML	160M	160L	180	200	225
	AB	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
FA127	**C**	29.69 754	32.05 814	32.05 814	33.94 862	36.77 934	38.62 981	41.85 1063
FA157	**C**	— —	— —	34.96 888	36.85 936	39.69 1008	41.54 1055	44.76 1137

See page 272 for torque arm details

See page 275 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	AM	CH	CJ	DB	DC	EG	FH	FJ	GD	MC	OA	OB	Q	SA	SB	XF	ZB
FA37R17	0.02	1.18	1.81	4.41	0.00	6.65	6.22	1.24	0.47	0.55	9.92	5.31	4.33	2.99	2.99	0.59	6.89
	0.5	30	46	112	0	169	158	31.5	12	14	252	135	110	76	76	15	175
FA47R17	0.04	0.87	2.52	5.04	0.00	7.28	6.69	1.26	0.47	0.55	10.59	5.31	5.24	3.03	2.99	0.47	6.89
	1	22	64	128.1	0	185	170	32	12	14	269	135	133	77	76	12	175
FA57R37	0.04	1.22	2.36	5.35	0.40	8.07	7.80	1.59	0.55	0.55	12.48	6.10	5.91	3.66	3.70	0.77	6.50
	1	31	60	136	10.1	205	198	40.5	14	14	317	155	150	93	94	19.5	165
FA67R37	0.04	1.57	2.56	6.28	0.40	8.54	8.58	1.61	0.63	0.55	13.50	6.10	6.34	3.82	3.70	0.83	6.50
	1	40	65	159.5	10.1	217	218	41	16	14	343	155	161	97	94	21	165

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FA37R17	4.72 *120*	1.250 *30*	1.77 *45*	1.37 *33.3*	4.13 *105*	0.67 *17*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 40*	$^{7}/_{16}$-14 × 1 *M10 x 25*
FA47R17	5.91 *150*	1.375 *35*	1.97 *50*	1.52 *38.3*	5.20 *132*	0.65 *22*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 45*	$^{1}/_{2}$-13 × 1 *M12 x 30*
FA57R37	6.54 *166*	1.500 *40*	2.17 *55*	1.67 *43.3*	5.59 *142*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$-11 × $1^{3}/_{4}$ *M16 x 40*
FA67R37	7.09 *180*	1.500 *40*	2.17 *55*	1.67 *43.3*	6.14 *156*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$-11 × $1^{3}/_{4}$ *M16 x 40*

*** Note: See page 33 for applicable tolerances.**

Motor

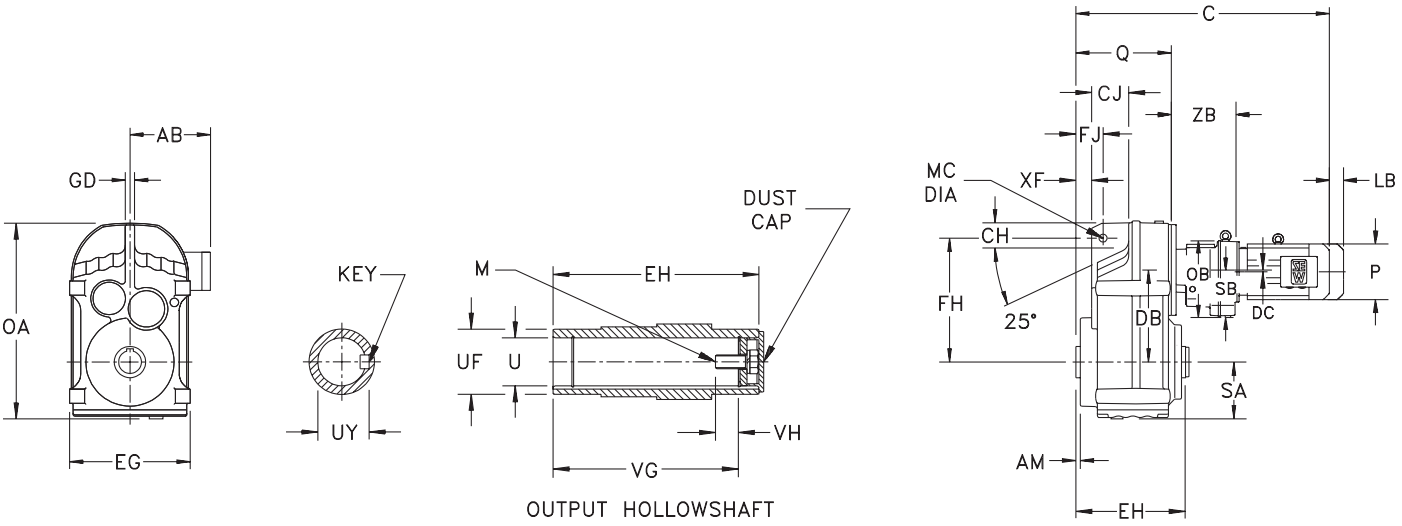
Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
FA37R17	**C**	17.68 449	19.65 499	— —	— —
FA47R17	**C**	18.58 472	20.55 522	— —	— —
FA57R37	**C**	20.47 520	22.44 570	23.23 590	25.31 643
FA67R37	**C**	20.91 531	22.87 581	23.66 601	25.75 654

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 272 for torque arm details

See page 275 for available output shaft sizes.

Dimensions
Type FA Gearmotors - Shaft Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	AM	CH	CJ	DB	DC	EG	FH	FJ	GD	MC	OA	OB	Q	SA	SB	XF	ZB
FA77R37	0.04	1.93	2.72	7.87	0.40	10.83	10.94	1.97	0.79	0.87	16.77	6.10	7.60	4.76	3.70	1.10	6.18
	1	49	69	200	10.1	275	278	50	20	22	426	155	193	121	94	28	157
FA87R57	0.04	2.24	3.11	9.71	0.44	13.23	13.62	2.44	1.02	0.87	20.91	7.60	8.82	5.98	4.76	1.26	8.50
	1	57	79	246.7	11.2	336	346	62	26	22	531	193	224	152	121	32	216
FA97R57	0.04	3.46	4.09	11.22	0.44	15.94	15.55	2.76	1.18	1.02	24.53	7.60	10.79	7.01	4.76	1.34	8.31
	1	88	104	285	11.2	405	395	70	30	26	623	193	274	178	121	34	211
FA107R77	0.10	4.25	3.94	13.09	0.63	17.72	19.09	3.46	1.42	1.02	28.23	9.13	12.28	7.87	5.67	2.24	9.72
	2.5	108	100	332.4	15.9	450	485	88	36	26	717	232	312	200	144	57	247

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FA77R37	8.27 *210*	2.000 *50*	2.76 *70*	2.22 *53.8*	7.20 *183*	1.16 *32*	$^1/_2 \times {}^1/_2 \times 2^5/_8$ *14 x 9 x 80*	$^5/_8$–11 × $1^3/_4$ *M16 x 45*
FA87R57	9.45 *240*	2.375 *60*	3.35 *85*	2.65 *64.4*	8.27 *210*	1.39 *36*	$^5/_8 \times {}^5/_8 \times 3^5/_8$ *18 x 11 x 100*	$^3/_4$–10 × 2 *M20 x 50*
FA97R57	11.81 *300*	2.750 *70*	3.74 *95*	3.03 *74.9*	10.63 *270*	1.24 *34*	$^5/_8 \times {}^5/_8 \times 3^5/_8$ *20 x 12 x 110*	$^3/_4$–10 × 2 *M20 x 50*
FA107R77	13.78 *350*	3.625 *90*	4.65 *118*	3.89 *95.4*	12.32 *313*	1.24 *40*	$^7/_8 \times {}^5/_8 \times 3^1/_2$ *25 x 14 x 160*	$^3/_4$–10 × 2 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

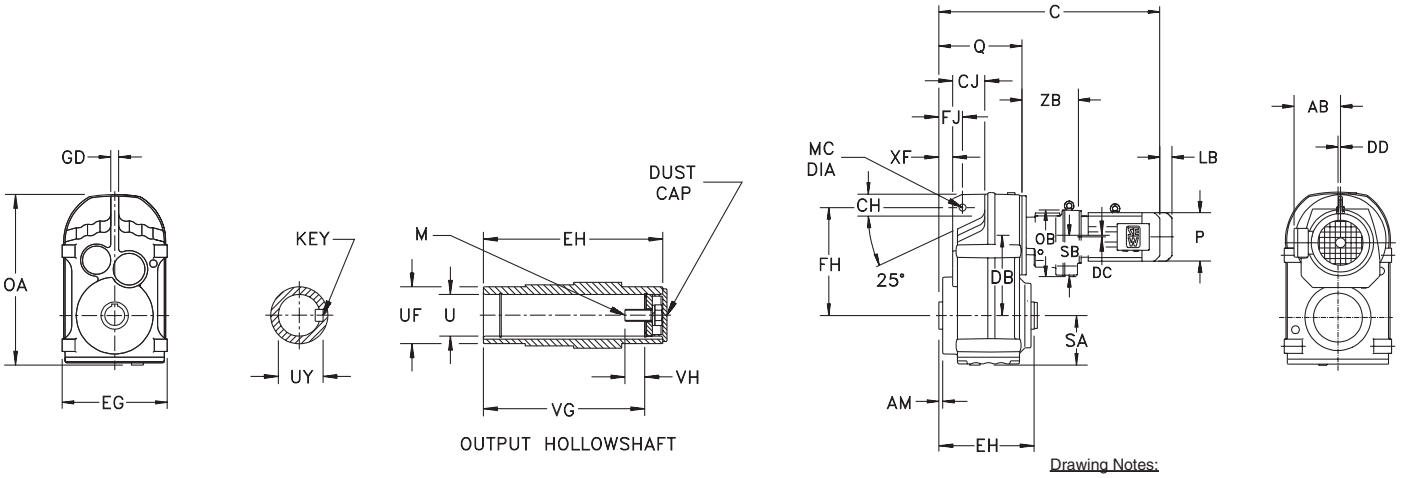
Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M	DV 132ML	DV 160M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275
FA77R37	**C**	21.85 555	23.82 605	24.61 625	26.69 678	— —	— —	— —	— —	— —
FA87R57	**C**	25.16 639	27.13 689	27.91 709	29.88 759	31.26 794	33.15 842	34.02 864	— —	— —
FA97R57	**C**	26.93 684	28.90 734	29.69 754	31.65 804	33.03 839	34.92 887	35.79 909	— —	— —
FA107R77	**C**	29.61 752	31.57 802	32.28 820	34.25 870	35.67 906	37.44 951	38.23 971	40.59 1031	40.59 1031

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 272 for torque arm details

See page 275 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	AM	CH	CJ	DB	DC	DD	EG	FH	FJ	GD	MC	OA	OB	Q	SA	SB	XF	ZB
FA127R77	0.10	5.43	4.92	15.06	0.63	0.39	20.87	21.65	4.33	1.57	1.30	33.70	9.13	14.69	9.29	5.67	2.60	9.13
	2.5	138	125	382.6	15.9	10	530	550	110	40	33	856	232	373	236	144	66	232
FA127R87	0.10	5.43	4.92	15.06	0.50	0.39	20.87	21.65	4.33	1.57	1.30	33.70	11.77	14.69	9.29	7.24	2.60	11.02
	2.5	138	125	382.6	12.6	10	530	550	110	40	33	856	299	373	236	184	66	280
FA157R97	0.28	6.69	5.51	17.60	0.40	0.59	25.98	25.98	5.91	1.77	1.30	40.20	14.72	17.91	11.26	9.06	3.86	12.80
	7	170	140	447	10.2	15	660	660	150	45	33	1021	374	455	286	230	98	325

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FA127R77	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
FA127R87	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
FA157R97	19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M	DV 132ML	DV 160M	DV 160L	DV 180	DV 200
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394
FA127R77	**C**	31.42 798	33.39 848	34.09 866	36.06 916	37.48 952	39.25 997	40.04 1017	42.40 1077	42.40 1077	— —	— —	— —
FA127R87	**C**	— —	35.08 891	35.83 910	37.80 960	39.17 995	40.94 1040	41.73 1060	44.09 1120	44.09 1120	45.98 1168	48.78 1239	— —
FA157R97	**C**	— —	39.80 1011	40.59 1031	42.60 1082	43.98 1117	45.75 1162	46.54 1182	48.90 1242	48.90 1242	50.79 1290	53.62 1362	55.47 1409

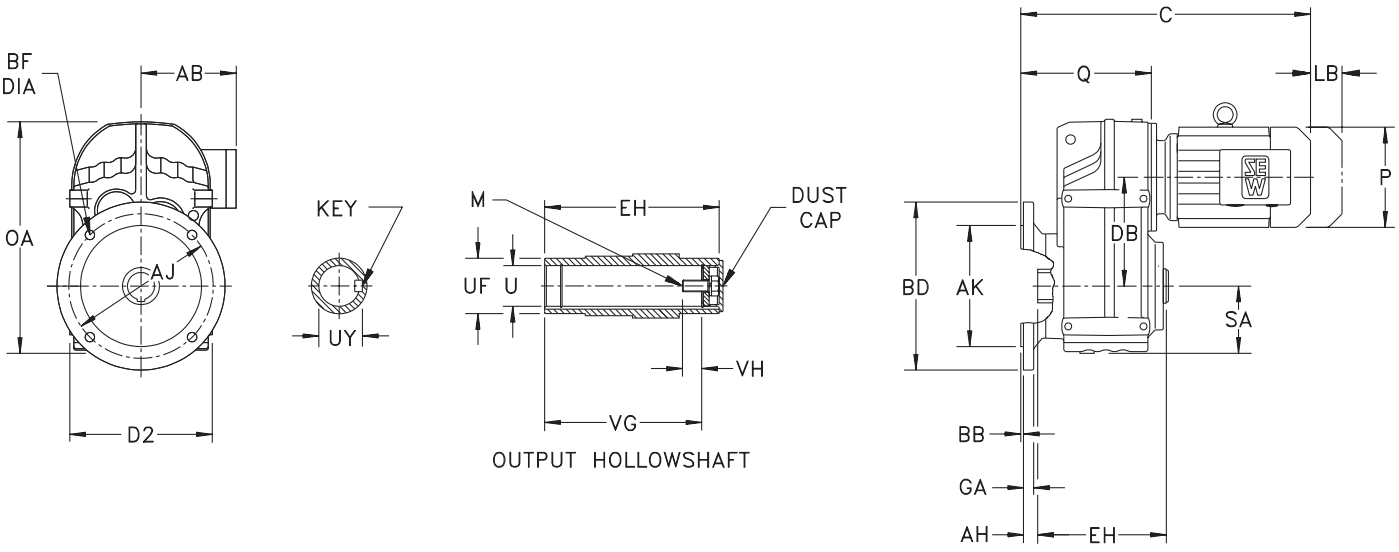
Dimensions are inch / mm

See page 272 for torque arm details

See page 275 for available output shaft sizes.

SEW EURODRIVE

Dimensions
Type FAF Gearmotors - Flange Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	OA	Q	SA
FAF37	6.50 165	4.41 112	9.92 252	5.43 138	2.99 76
FAF47	7.09 180	5.04 128.1	10.59 269	6.38 162	3.03 77
FAF57	7.87 200	5.35 136	12.48 317	6.97 177	3.66 93
FAF67	8.35 212	6.28 159.5	13.50 343	7.40 188	3.82 97

Flange

AH	AJ	AK *	BB	BD	BF	GA
0.94 24	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
0.98 25	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
1.04 26.5	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
0.91 23	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAF37	4.72 *120*	1.250 *30*	1.77 *45*	1.37 *33.3*	4.13 *105*	0.67 *17*	1/4 × 1/4 × 1 11/16 *8 x 7 x 40*	7/16–14 × 1 *M10 x 25*
FAF47	5.91 *150*	1.375 *35*	1.97 *50*	1.52 *38.3*	5.20 *132*	0.65 *22*	5/16 × 5/16 × 1 13/16 *10 x 8 x 45*	1/2–13 × 1 *M12 x 30*
FAF57	6.54 *166*	1.500 *40*	2.17 *55*	1.67 *43.3*	5.59 *142*	1.36 *29*	3/8 × 3/8 × 2 1/4 *12 x 8 x 50*	5/8–11 × 1 3/4 *M16 x 40*
FAF67	7.09 *180*	1.500 *40*	2.17 *55*	1.67 *43.3*	6.14 *156*	1.36 *29*	3/8 × 3/8 × 2 1/4 *12 x 8 x 50*	5/8–11 × 1 3/4 *M16 x 40*

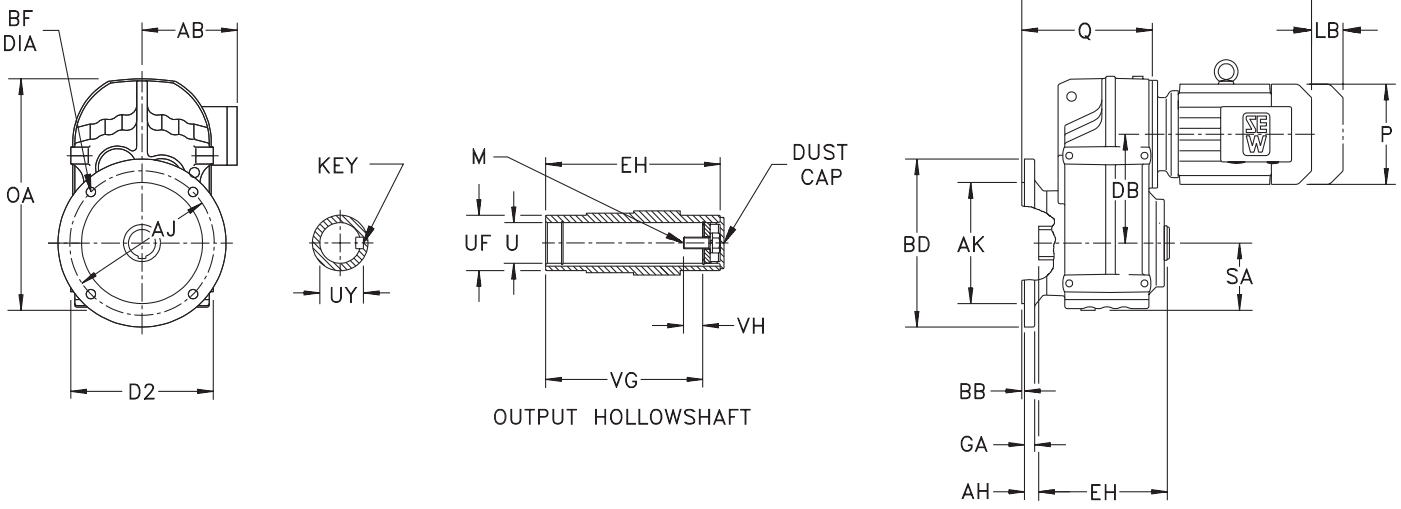
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT				DV	
		71	80	90	100	112M	132S
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221
FAF37	**C**	13.50 343	15.47 393	16.26 413	18.35 466	— —	— —
FAF47	**C**	14.45 367	16.42 417	17.20 437	19.29 490	— —	— —
FAF57	**C**	14.80 376	16.77 426	17.56 446	19.53 496	20.91 531	22.80 579
FAF67	**C**	15.24 387	17.20 437	17.99 457	19.96 507	21.34 542	23.23 590

Dimensions are inch / mm

See page 275 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	OA	Q	SA
FAF77	10.63	7.87	16.77	9.21	4.76
	270	200	426	234	121
FAF87	12.99	9.71	20.91	10.20	5.98
	330	246.7	531	259	152

Flange

Model		AH	AJ	AK *	BB	BD	BF	GA
FAF77	**Option 1**	1.46	10.43	9.055	0.16	11.81	0.53	0.63
		37	265	230	4	300	13.5	16
	Option 2[1)]	1.46	8.46	7.087	0.16	9.84	0.53	0.59
		37	215	180	4	250	13.5	15
FAF87		1.18	11.81	9.843	0.20	13.78	0.69	0.71
		30	300	250	5	350	17.5	18

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAF77	8.27	2.000	2.76	2.22	7.20	1.16	$^1/_2 \times {}^1/_2 \times 2^5/_8$	$^5/_8$-11 × $1^3/_4$
	210	*50*	*70*	*53.8*	*183*	*32*	*14 x 9 x 80*	*M16 x 45*
FAF87	9.45	2.375	3.35	2.65	8.27	1.39	$^5/_8 \times {}^5/_8 \times 3^5/_8$	$^3/_4$-10 × 2
	240	*60*	*85*	*64.4*	*210*	*36*	*18 x 11 x 100*	*M20 x 50*

*** Note: See page 33 for applicable tolerances.**

Motor

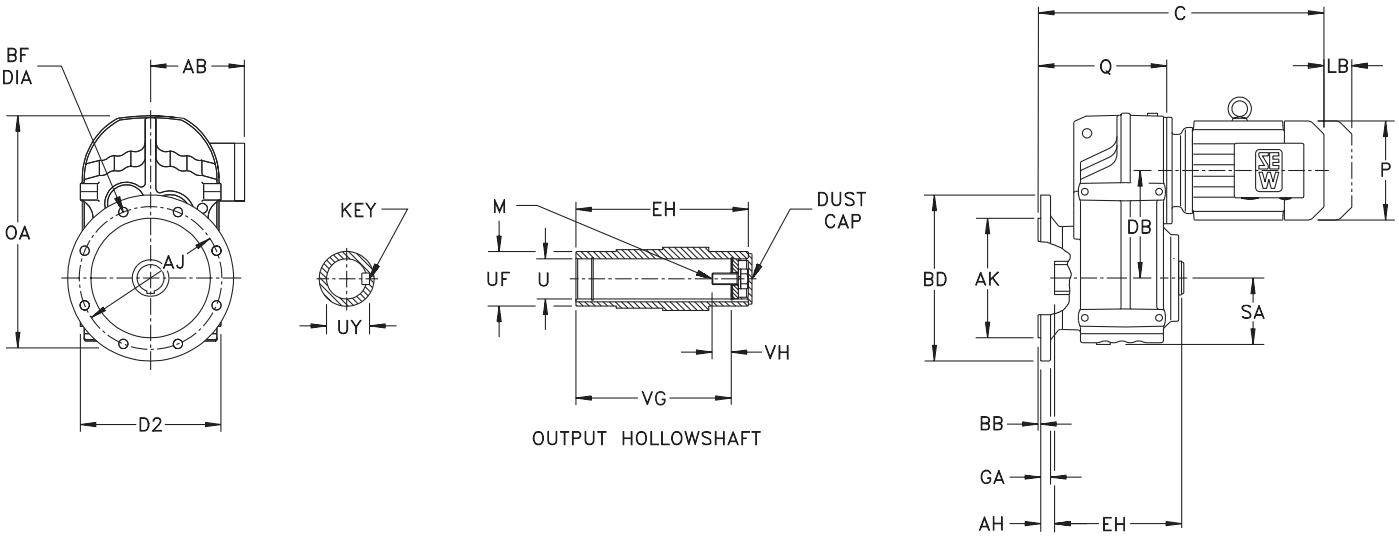
Model		DT				DV						
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**
	AB	5.43	5.43	6.73	6.89	7.40	7.40	9.13	9.13	9.13	10.04	10.55
		138	138	171	175	188	188	232	232	232	255	268
	LB	2.52	2.52	3.35	3.35	3.15	3.15	4.41	4.41	4.41	6.14	6.14
		64	64	85	85	80	80	112	112	112	156	156
	P	5.71	5.71	7.76	7.76	8.70	8.70	10.83	10.83	10.83	13.03	13.03
		145	145	197	197	221	221	275	275	275	331	331
FAF77	**C**	16.81	18.78	19.49	21.46	22.87	24.65	25.43	27.80	27.80	—	—
		427	477	495	545	581	626	646	706	706	—	—
FAF87	**C**	—	19.57	20.31	22.28	23.66	25.43	26.22	28.58	28.58	30.47	33.27
		—	497	516	566	601	646	666	726	726	774	845

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 275 for available output shaft sizes.

[1)] This flange option reduces the gearbox torque rating - contact SEW-Eurodrive for details

Dimensions
Type FAF Gearmotors - Flange Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	OA	Q	SA
FAF97	15.75 400	11.22 285	24.53 623	12.64 321	7.01 178
FAF107	17.72 450	13.09 332.4	28.23 717	14.09 358	7.87 200

Flange (Specify BD dimension when ordering)

AH	AJ	AK *	BB	BD	BF	GA
1.63 41.5	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22
1.61 41	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAF97	11.81 *300*	2.750 *70*	3.74 *95*	3.03 *74.9*	10.63 *270*	1.24 *34*	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{5}/_{8}$ *20 x 12 x 110*	$^{3}/_{4}$–10 × 2 *M20 x 50*
FAF107	13.78 *350*	3.625 *90*	4.65 *118*	3.89 *95.4*	12.32 *313*	1.24 *40*	$^{7}/_{8} \times {}^{5}/_{8} \times 3^{1}/_{2}$ *25 x 14 x 160*	$^{3}/_{4}$–10 × 2 *M24 x 60*

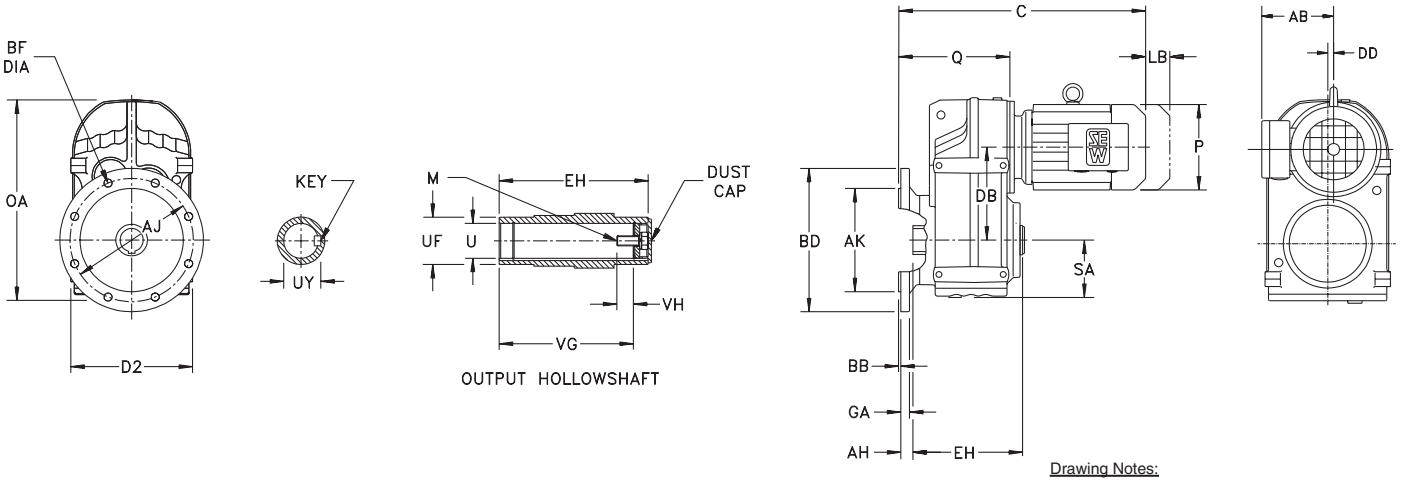
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT		DV								
		90	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**	**200**	**225**
	AB	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
FAF97	**C**	22.52 572	24.53 623	25.91 658	27.68 703	28.46 723	30.83 783	30.83 783	32.72 831	35.55 903	37.40 950	— —
FAF107	**C**	— —	25.71 653	27.13 689	28.90 734	29.69 754	32.05 814	32.05 814	33.94 862	36.77 934	38.62 981	41.85 1063

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 275 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DD	OA	Q	SA
FAF127	20.87 530	15.06 382.6	0.39 10	33.70 856	16.89 429	9.29 236
FAF157	25.98 660	17.60 447	0.59 15	40.20 1021	20.51 521	11.26 286

Flange

AH	AJ	AK *	BB	BD	BF	GA
2.01 51	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	0.98 25
2.36 60	23.62 600	21.654 550	0.24 6	25.98 660	0.87 22	1.10 28

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAF127	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
FAF157	19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

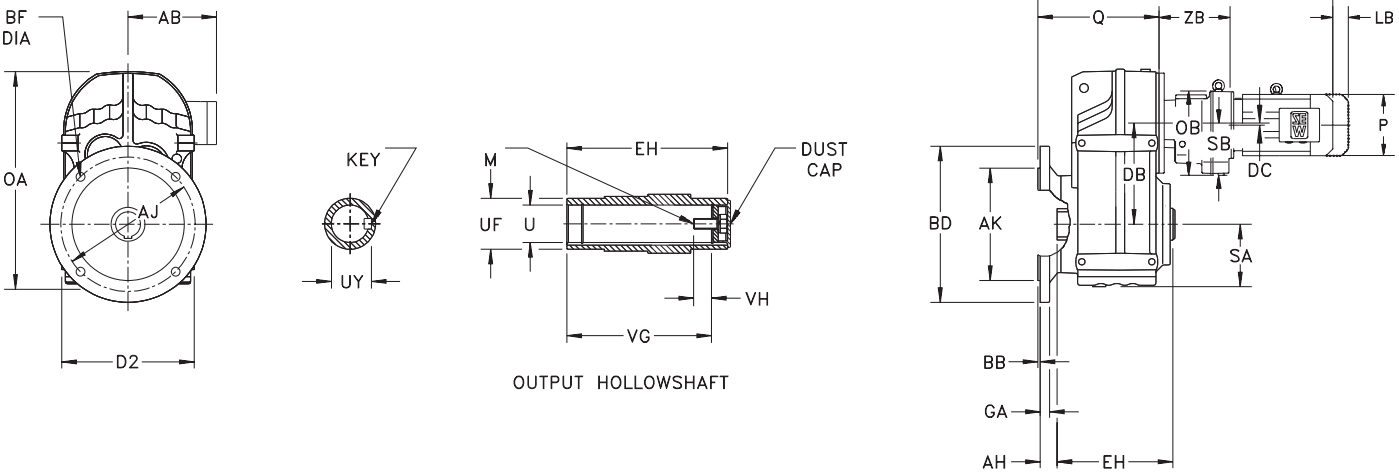
Motor

Model		DV 132M	132ML	160M	160L	180	200	225
	AB	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
FAF127	**C**	31.89 810	34.25 870	34.25 870	36.14 918	38.98 990	40.83 1037	44.06 1119
FAF157	**C**	— —	— —	37.56 954	39.45 1002	42.28 1074	44.13 1121	47.36 1203

Dimensions are inch / mm

See page 275 for available output shaft sizes.

Dimensions
Type FAF Gearmotors - Flange Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DC	OA	OB	Q	SA	SB	ZB
FAF37R17	6.50 165	4.41 112	0.00 0	9.92 252	5.31 135	5.43 138	2.99 76	2.99 76	6.89 175
FAF47R17	7.09 180	5.04 128.1	0.00 0	10.59 269	5.31 135	6.38 162	3.03 77	2.99 76	6.89 175
FAF57R37	7.87 200	5.35 136	0.40 10.1	12.48 317	6.10 155	6.97 177	3.66 93	3.70 94	6.50 165
FAF67R37	8.35 212	6.28 159.5	0.40 10.1	13.50 343	6.10 155	7.40 188	3.82 97	3.70 94	6.50 165

Flange

AH	AJ	AK *	BB	BD	BF	GA
0.94 24	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
0.98 25	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
1.04 26.5	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
0.91 23	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAF37R17	4.72 *120*	1.250 *30*	1.77 *45*	1.37 *33.3*	4.13 *105*	0.67 *17*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 40*	$^{7}/_{16}$–14 × 1 *M10 x 25*
FAF47R17	5.91 *150*	1.375 *35*	1.97 *50*	1.52 *38.3*	5.20 *132*	0.65 *22*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 45*	$^{1}/_{2}$–13 × 1 *M12 x 30*
FAF57R37	6.54 *166*	1.500 *40*	2.17 *55*	1.67 *43.3*	5.59 *142*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$–11 × $1^{3}/_{4}$ *M16 x 40*
FAF67R37	7.09 *180*	1.500 *40*	2.17 *55*	1.67 *43.3*	6.14 *156*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$–11 × $1^{3}/_{4}$ *M16 x 40*

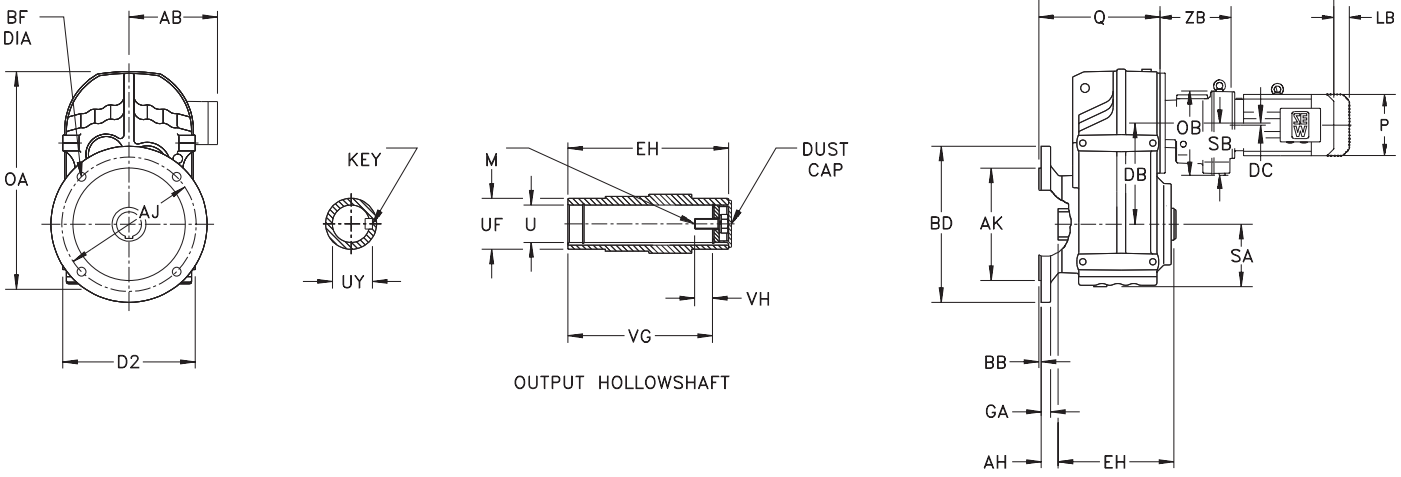
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
FAF37R17	**C**	18.78 477	20.75 527	— —	— —
FAF47R17	**C**	19.72 501	21.69 551	— —	— —
FAF57R37	**C**	21.54 547	23.50 597	24.29 617	26.38 670
FAF67R37	**C**	21.97 558	23.94 608	24.72 628	26.81 681

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 275 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DC	OA	OB	Q	SA	SB	ZB
FAF77R37	10.63	7.87	0.40	16.77	6.10	9.21	4.76	3.70	6.18
	270	200	10.1	426	155	234	121	94	157
FAF87R57	12.99	9.71	0.44	20.91	7.60	10.20	5.98	4.76	8.50
	330	246.7	11.2	531	193	259	152	121	216

Flange

Model		AH	AJ	AK *	BB	BD	BF	GA
FAF77R37	**Option 1**	1.46	10.43	9.055	0.16	11.81	0.53	0.63
		37	265	230	4	300	13.5	16
	Option 2[1)]	1.46	8.46	7.087	0.16	9.84	0.53	0.59
		37	215	180	4	250	13.5	15
FAF87R57		1.18	11.81	9.843	0.20	13.78	0.69	0.71
		30	300	250	5	350	17.5	18

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAF77R37	8.27	2.000	2.76	2.22	7.20	1.16	$^1/_2 \times {}^1/_2 \times 2^5/_8$	$^5/_8$-11 × $1^3/_4$
	210	*50*	*70*	*53.8*	*183*	*32*	*14 x 9 x 80*	*M16 x 45*
FAF87R57	9.45	2.375	3.35	2.65	8.27	1.39	$^5/_8 \times {}^5/_8 \times 3^5/_8$	$^3/_4$-10 × 2
	240	*60*	*85*	*64.4*	*210*	*36*	*18 x 11 x 100*	*M20 x 50*

*** Note: See page 33 for applicable tolerances.**

Motor

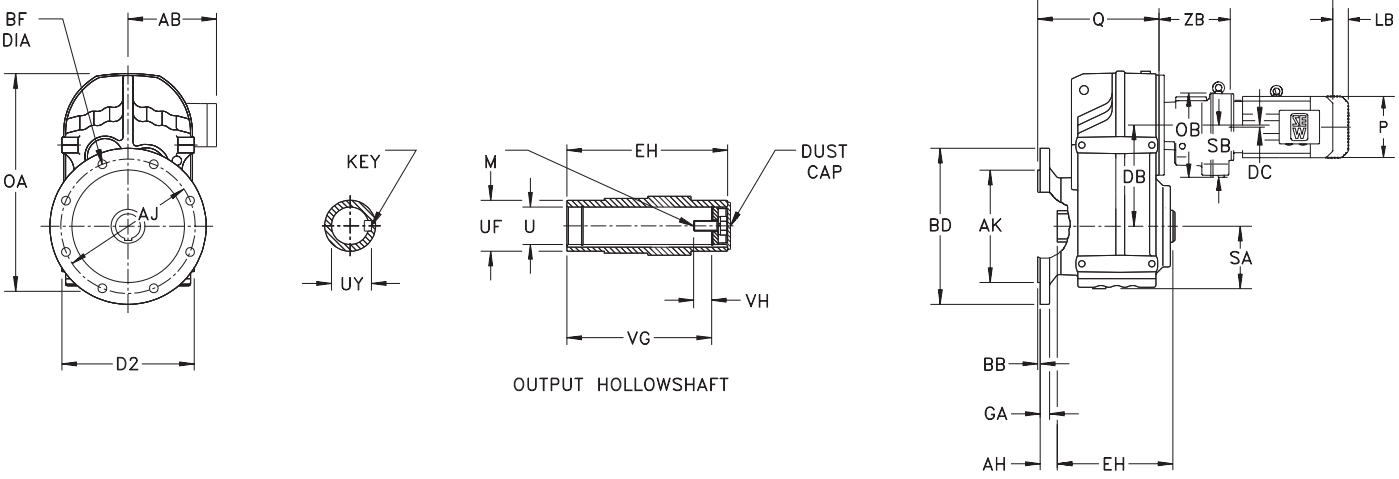
Model		DT				DV		
		71	80	90	100	112M	132S	132M
	AB	5.43	5.43	6.73	6.89	7.40	7.40	9.13
		138	138	171	175	188	188	232
	LB	2.52	2.52	3.35	3.35	3.15	3.15	4.41
		64	64	85	85	80	80	112
	P	5.71	5.71	7.76	7.76	8.70	8.70	10.83
		145	145	197	197	221	221	275
FAF77R37	**C**	23.46	25.43	26.22	28.31	—	—	—
		596	646	666	719	—	—	—
FAF87R57	**C**	26.54	28.50	29.29	31.26	32.64	34.53	35.39
		674	724	744	794	829	877	899

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 275 for available output shaft sizes.

[1)] This flange option reduces the gearbox torque rating - contact SEW-Eurodrive for details

Dimensions
Type FAF Gearmotors - Flange Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DC	OA	OB	Q	SA	SB	ZB
FAF97R57	15.75 400	11.22 285	0.44 11.2	24.53 623	7.60 193	12.64 321	7.01 178	4.76 121	8.31 211
FAF107R77	17.72 450	13.09 332.4	0.63 15.9	28.23 717	9.13 232	14.09 358	7.87 200	5.67 144	9.72 247

Flange

AH	AJ	AK *	BB	BD	BF	GA
1.63 41.5	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22
1.61 41	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAF97R57	11.81 *300*	2.750 *70*	3.74 *95*	3.03 *74.9*	10.63 *270*	1.24 *34*	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{5}/_{8}$ *20 x 12 x 110*	$^{3}/_{4}$–10 × 2 *M20 x 50*
FAF107R77	13.78 *350*	3.625 *90*	4.65 *118*	3.89 *95.4*	12.32 *313*	1.24 *40*	$^{7}/_{8} \times {}^{5}/_{8} \times 3^{1}/_{2}$ *25 x 14 x 160*	$^{3}/_{4}$–10 × 2 *M24 x 60*

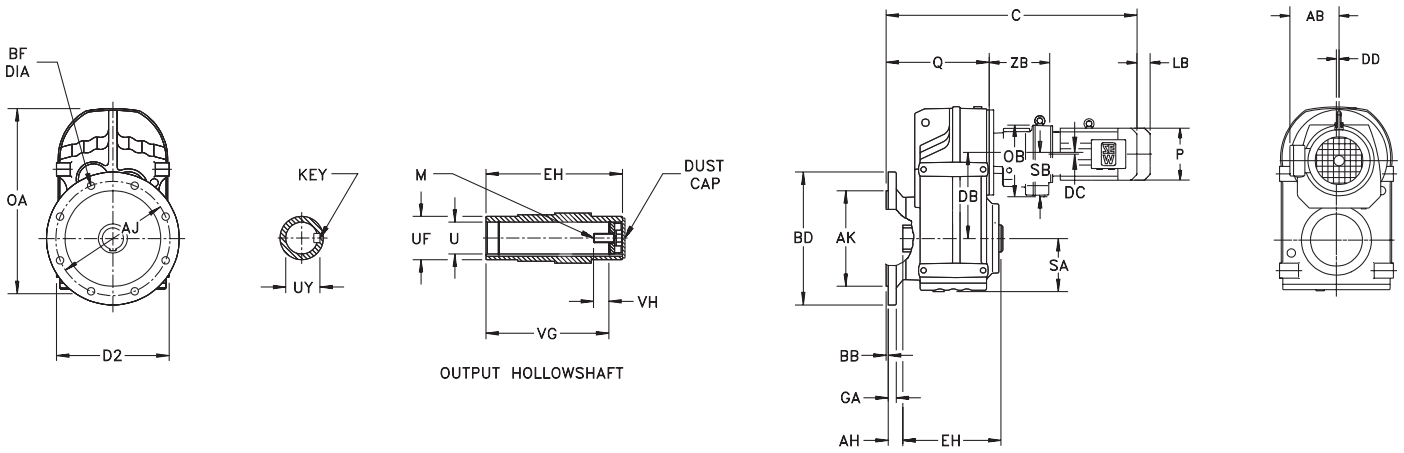
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M	DV 132ML	DV 160M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275
FAF97R57	**C**	28.78 731	30.75 781	31.54 801	33.50 851	34.88 886	36.77 934	37.64 956	— —	— —
FAF107R77	**C**	31.42 798	33.39 848	34.09 866	36.06 916	37.48 952	39.25 997	40.04 1017	42.40 1077	42.40 1077

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 275 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DC	DD	OA	OB	Q	SA	SB	ZB
FAF127R77	20.87 530	15.06 382.6	0.63 15.9	0.39 10	33.70 856	9.13 232	16.89 429	9.29 236	5.67 144	9.13 232
FAF127R87	20.87 530	15.06 382.6	0.50 12.6	0.39 10	33.70 856	11.77 299	16.89 429	9.29 236	7.24 184	11.02 280
FAF157R97	25.98 660	17.60 447	0.40 10.2	0.59 15	40.20 1021	14.72 374	20.51 521	11.26 286	9.06 230	12.80 325

Flange

AH	AJ	AK *	BB	BD	BF	GA
2.01 51	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	0.98 25
2.01 51	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	0.98 25
2.36 60	23.62 600	21.654 550	0.24 6	25.98 660	0.87 22	1.10 28

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAF127R77	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
FAF127R87	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
FAF157R97	19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

Motor

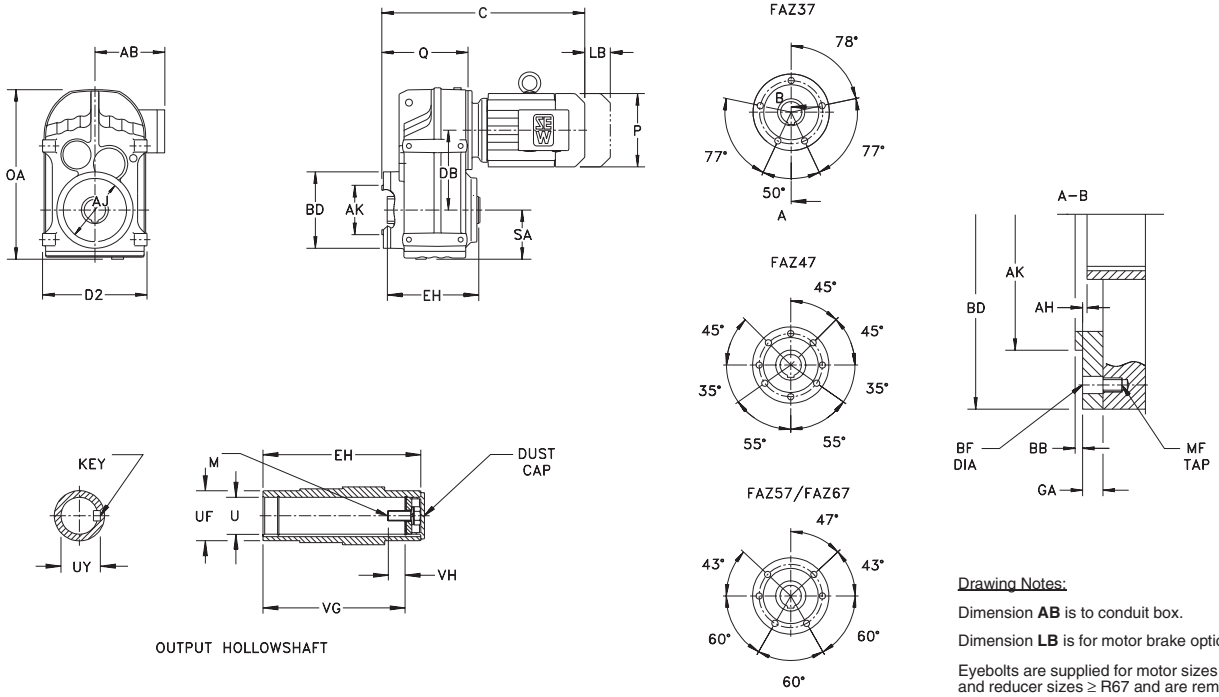
Model		DT				DV							
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**	**200**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394
FAF127R77	**C**	33.62 854	35.59 904	36.30 922	38.27 972	39.69 1008	41.46 1053	42.24 1073	44.61 1133	44.61 1133	— —	— —	— —
FAF127R87	**C**	— —	37.28 947	38.03 966	40.00 1016	41.38 1051	43.15 1096	43.94 1116	46.30 1176	46.30 1176	48.19 1224	50.98 1295	— —
FAF157R97	**C**	— —	42.40 1077	43.19 1097	45.20 1148	46.57 1183	48.35 1228	49.13 1248	51.50 1308	51.50 1308	53.39 1356	56.22 1428	58.07 1475

Dimensions are inch / mm

See page 275 for available output shaft sizes.

SEW EURODRIVE

Dimensions
Type FAZ Gearmotors - Face Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	OA	Q	SA
FAZ37	6.50 165	4.41 112	9.92 252	4.80 122	2.99 76
FAZ47	7.09 180	5.04 128.1	10.59 269	5.67 144	3.03 77
FAZ57	7.87 200	5.35 136	12.48 317	6.38 162	3.66 93
FAZ67	8.35 212	6.28 159.5	13.50 343	6.81 173	3.82 97

Face Flange

AH	AJ	AK *	BB	BD	BF	GA	MF
0.35 9	3.70 94	3.150 80	0.12 3	4.33 110	0.35 9	0.45 11.5	M8 x 0.43 M8 x 11
0.31 8	4.02 102	3.150 80	0.12 3	4.72 120	0.35 9	0.43 11	M8 x 0.43 M8 x 11
0.35 9	4.92 125	4.134 105	0.14 3.5	6.10 155	0.53 13.5	0.47 12	M12 x 0.67 M12 x 17
0.33 8.5	4.92 125	4.134 105	0.14 3.5	6.10 155	0.53 13.5	0.47 12	M12 x 0.67 M12 x 17

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAZ37	4.72 *120*	1.250 *30*	1.77 *45*	1.37 *33.3*	4.13 *105*	0.67 *17*	1/4 × 1/4 × 1 11/16 *8 x 7 x 40*	7/16–14 × 1 *M10 x 25*
FAZ47	5.91 *150*	1.375 *35*	1.97 *50*	1.52 *38.3*	5.20 *132*	0.65 *22*	5/16 × 5/16 × 1 13/16 *10 x 8 x 45*	1/2–13 × 1 *M12 x 30*
FAZ57	6.54 *166*	1.500 *40*	2.17 *55*	1.67 *43.3*	5.59 *142*	1.36 *29*	3/8 × 3/8 × 2 1/4 *12 x 8 x 50*	5/8–11 × 1 3/4 *M16 x 40*
FAZ67	7.09 *180*	1.500 *40*	2.17 *55*	1.67 *43.3*	6.14 *156*	1.36 *29*	3/8 × 3/8 × 2 1/4 *12 x 8 x 50*	5/8–11 × 1 3/4 *M16 x 40*

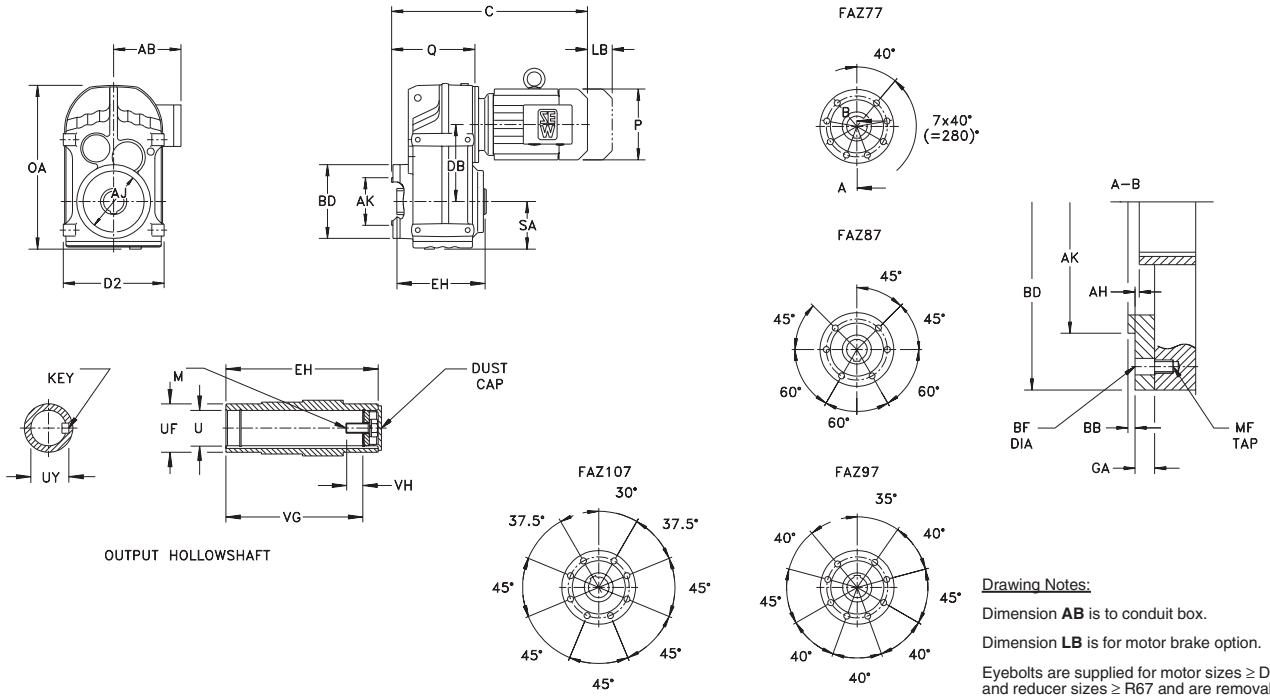
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT				DV	
		71	80	90	100	112M	132S
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221
FAZ37	**C**	12.87 327	14.84 377	15.63 397	17.72 450	— —	— —
FAZ47	**C**	13.74 349	15.71 399	16.50 419	18.58 472	— —	— —
FAZ57	**C**	14.21 361	16.18 411	16.97 431	18.94 481	20.31 516	22.20 564
FAZ67	**C**	14.65 372	16.61 422	17.40 442	19.37 492	20.75 527	22.64 575

Dimensions are inch / mm

See page 275 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	OA	Q	SA
FAZ77	10.63 270	7.87 200	16.77 426	8.11 206	4.76 121
FAZ87	12.99 330	9.71 246.7	20.91 531	9.41 239	5.98 152
FAZ97	15.75 400	11.22 285	24.53 623	11.50 292	7.01 178
FAZ107	17.72 450	13.09 332.4	28.23 717	12.28 312	7.87 200

Face Flange

AH	AJ	AK *	BB	BD	BF	GA	MF
0.39 10	5.59 142	4.921 125	0.14 3.5	6.69 170	0.53 13.5	0.55 14	M12 x 0.67 M12 x 17
0.43 11	7.01 178	6.102 155	0.16 4	8.46 215	0.69 17.5	0.59 15	M16 x 1.02 M16 x 26
0.55 14	8.66 220	7.087 180	0.16 4	10.24 260	0.69 17.5	0.71 18	M16 x 1.02 M16 x 26
-0.31 -8	10.24 260	8.268 210	0.16 4	11.97 304	0.87 22	0.87 22	M20 x 1.10 M20 x 28

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAZ77	8.27 *210*	2.000 *50*	2.76 *70*	2.22 *53.8*	7.20 *183*	1.16 *32*	1/2 × 1/2 × 2 5/8 *14 x 9 x 80*	5/8-11 × 1 3/4 *M16 x 45*
FAZ87	9.45 *240*	2.375 *60*	3.35 *85*	2.65 *64.4*	8.27 *210*	1.39 *36*	5/8 × 5/8 × 3 5/8 *18 x 11 x 100*	3/4-10 × 2 *M20 x 50*
FAZ97	11.81 *300*	2.750 *70*	3.74 *95*	3.03 *74.9*	10.63 *270*	1.24 *34*	5/8 × 5/8 × 3 5/8 *20 x 12 x 110*	3/4-10 × 2 *M20 x 50*
FAZ107	13.78 *350*	3.625 *90*	4.65 *118*	3.89 *95.4*	12.32 *313*	1.24 *40*	7/8 × 5/8 × 3 1/2 *25 x 14 x 160*	3/4-10 × 2 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

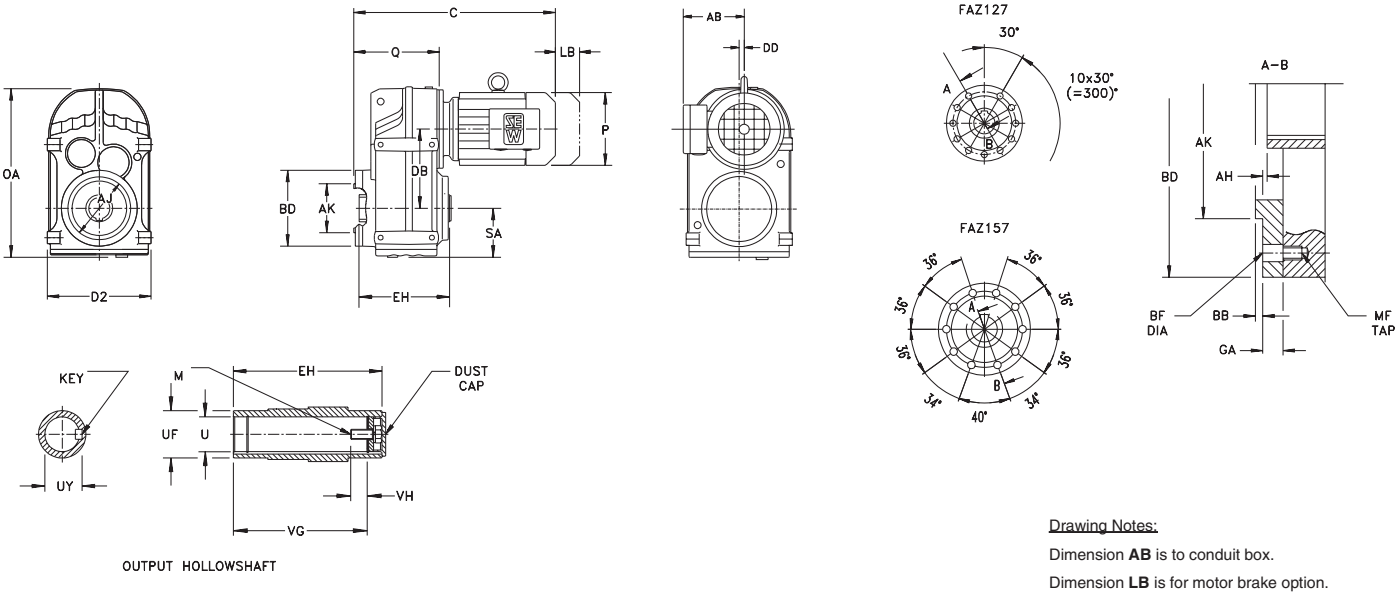
Motor

Model		DT				DV								
		71	80	90	100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
FAZ77	**C**	15.71 399	17.68 449	18.39 467	20.35 517	21.77 553	23.54 598	24.33 618	26.69 678	26.69 678	— —	— —	— —	— —
FAZ87	**C**	— —	18.78 477	19.53 496	21.50 546	22.87 581	24.65 626	25.43 646	27.80 706	27.80 706	29.69 754	32.48 825	— —	— —
FAZ97	**C**	— —	— —	21.38 543	23.39 594	24.76 629	26.54 674	27.32 694	29.69 754	29.69 754	31.57 802	34.41 874	36.26 921	— —
FAZ107	**C**	— —	— —	— —	23.90 607	25.31 643	27.09 688	27.87 708	30.24 768	30.24 768	32.13 816	34.96 888	36.81 935	40.04 1017

Dimensions are inch / mm

See page 275 for available output shaft sizes.

Dimensions
Type FAZ Gearmotors - Face Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DD	OA	Q	SA
FAZ127	20.87 530	15.06 382.6	0.39 10	33.70 856	14.88 378	9.29 236
FAZ157	25.98 660	17.60 447	0.59 15	40.20 1021	17.87 454	11.26 286

Face Flange

AH	AJ	AK *	BB	BD	BF	GA	MF
0.00 0	11.81 300	9.843 250	0.20 5	13.78 350	0.87 22	1.18 30	M20 x 1.10 M20 x 28
0.55 14	13.39 340	11.417 290	0.20 5	15.75 400	1.02 26	1.10 28	M24 x 1.42 M24 x 36

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAZ127	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
FAZ157	19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*

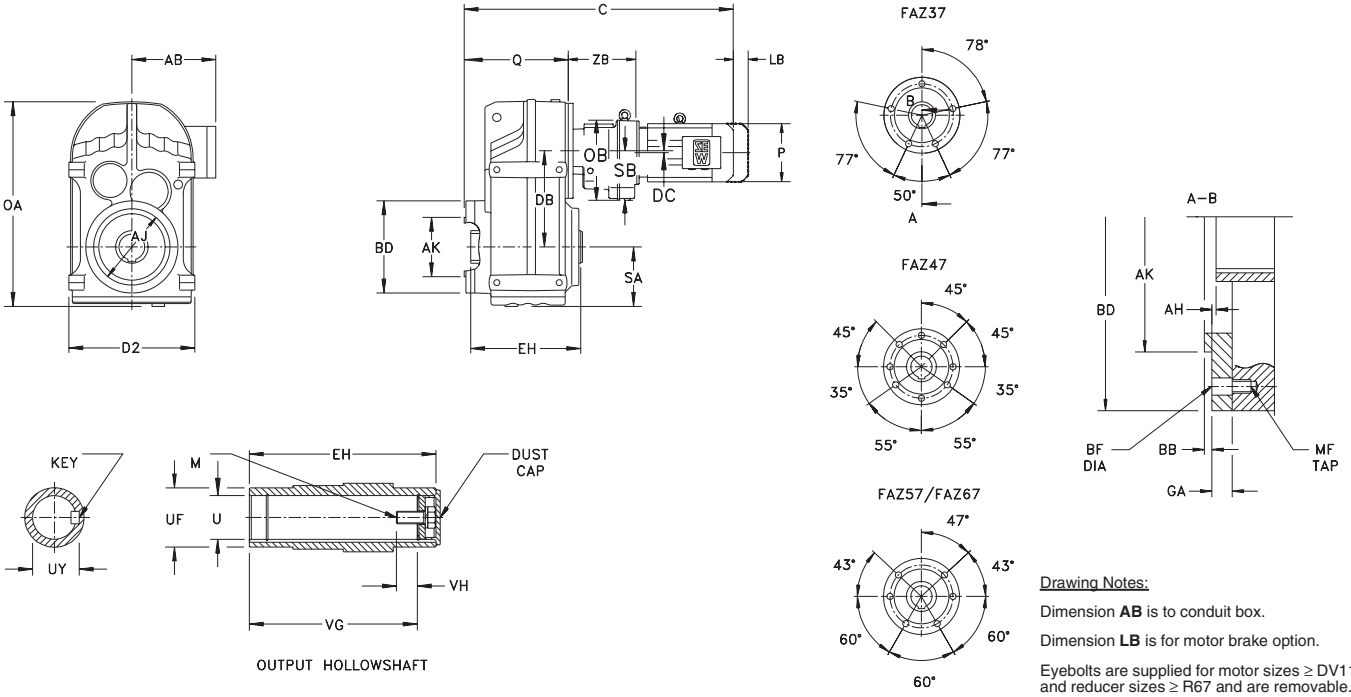
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DV 132M	132ML	160M	160L	180	200	225
	AB	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
FAZ127	**C**	29.88 759	32.24 819	32.24 819	34.13 867	36.97 939	38.82 986	42.05 1068
FAZ157	**C**	— —	— —	34.92 887	36.81 935	39.65 1007	41.50 1054	44.72 1136

Dimensions are inch / mm

See page 275 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DC	OA	OB	Q	SA	SB	ZB
FAZ37R17	6.50 165	4.41 112	0.00 0	9.92 252	5.31 135	4.80 122	2.99 76	2.99 76	6.89 175
FAZ47R17	7.09 180	5.04 128.1	0.00 0	10.59 269	5.31 135	5.67 144	3.03 77	2.99 76	6.89 175
FAZ57R37	7.87 200	5.35 136	0.40 10.1	12.48 317	6.10 155	6.38 162	3.66 93	3.70 94	6.50 165
FAZ67R37	8.35 212	6.28 159.5	0.40 10.1	13.50 343	6.10 155	6.81 173	3.82 97	3.70 94	6.50 165

Face Flange

AH	AJ	AK *	BB	BD	BF	GA	MF
0.35 9	3.70 94	3.150 80	0.12 3	4.33 110	0.35 9	0.45 11.5	M8 x 0.43 M8 x 11
0.31 8	4.02 102	3.150 80	0.12 3	4.72 120	0.35 9	0.43 11	M8 x 0.43 M8 x 11
0.35 9	4.92 125	4.134 105	0.14 3.5	6.10 155	0.53 13.5	0.47 12	M12 x 0.67 M12 x 17
0.33 8.5	4.92 125	4.134 105	0.14 3.5	6.10 155	0.53 13.5	0.47 12	M12 x 0.67 M12 x 17

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAZ37R17	4.72 *120*	1.250 *30*	1.77 *45*	1.37 *33.3*	4.13 *105*	0.67 *17*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 40*	$^{7}/_{16}$-14 × 1 *M10 x 25*
FAZ47R17	5.91 *150*	1.375 *35*	1.97 *50*	1.52 *38.3*	5.20 *132*	0.65 *22*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 45*	$^{1}/_{2}$-13 × 1 *M12 x 30*
FAZ57R37	6.54 *166*	1.500 *40*	2.17 *55*	1.67 *43.3*	5.59 *142*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$-11 × $1^{3}/_{4}$ *M16 x 40*
FAZ67R37	7.09 *180*	1.500 *40*	2.17 *55*	1.67 *43.3*	6.14 *156*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$-11 × $1^{3}/_{4}$ *M16 x 40*

*** Note: See page 33 for applicable tolerances.**

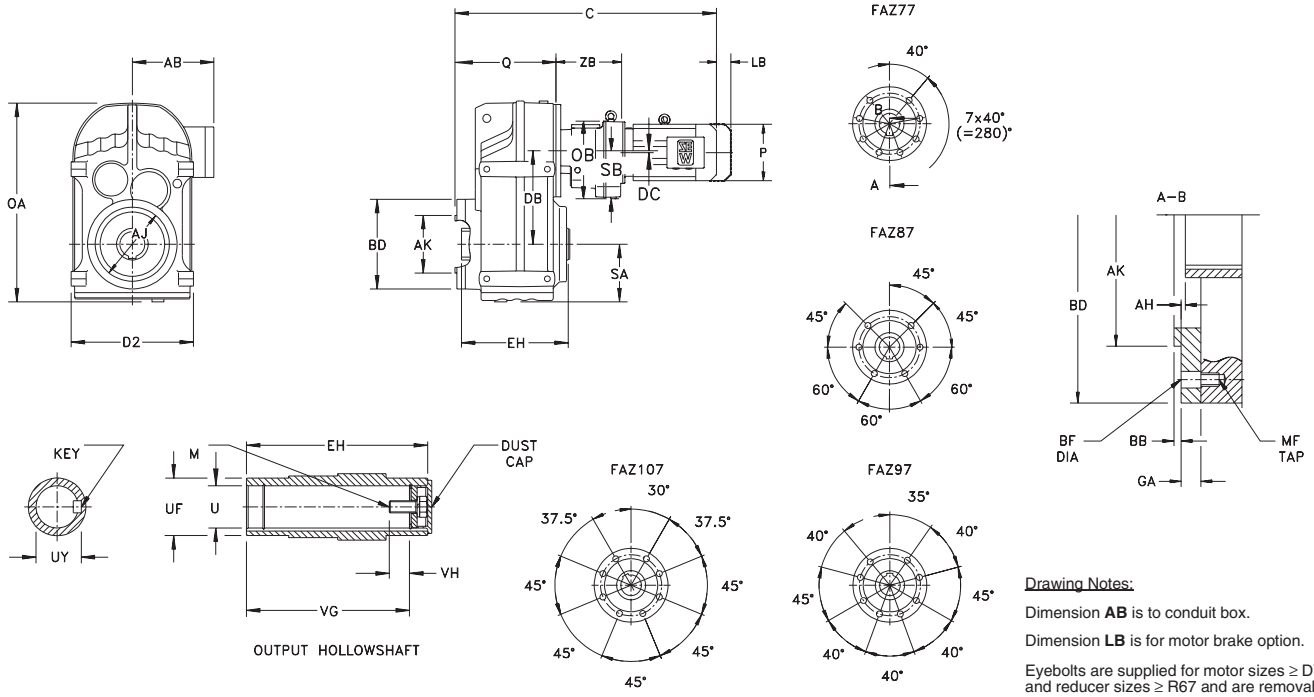
Motor

Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
FAZ37R17	**C**	18.15 461	20.12 511	— —	— —
FAZ47R17	**C**	19.02 483	20.98 533	— —	— —
FAZ57R37	**C**	20.94 532	22.91 582	23.70 602	25.79 655
FAZ67R37	**C**	21.38 543	23.35 593	24.13 613	26.22 666

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 275 for available output shaft sizes.

Dimensions
Type FAZ Gearmotors - Face Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DC	OA	OB	Q	SA	SB	ZB
FAZ77R37	10.63 270	7.87 200	0.40 10.1	16.77 426	6.10 155	8.11 206	4.76 121	3.70 94	6.18 157
FAZ87R57	12.99 330	9.71 246.7	0.44 11.2	20.91 531	7.60 193	9.41 239	5.98 152	4.76 121	8.50 216
FAZ97R57	15.75 400	11.22 285	0.44 11.2	24.53 623	7.60 193	11.50 292	7.01 178	4.76 121	8.31 211
FAZ107R77	17.72 450	13.09 332.4	0.63 15.9	28.23 717	9.13 232	12.28 312	7.87 200	5.67 144	9.72 247

Face Flange

Model	AH	AJ	AK *	BB	BD	BF	GA	MF
FAZ77R37	0.39 10	5.59 142	4.921 125	0.14 3.5	6.69 170	0.53 13.5	0.55 14	M12 x 0.67 M12 x 17
FAZ87R57	0.43 11	7.01 178	6.102 155	0.16 4	8.46 215	0.69 17.5	0.59 15	M16 x 1.02 M16 x 26
FAZ97R57	0.55 14	8.66 220	7.087 180	0.16 4	10.24 260	0.69 17.5	0.71 18	M16 x 1.02 M16 x 26
FAZ107R77	-0.31 -8	10.24 260	8.268 210	0.16 4	11.97 304	0.87 22	0.87 22	M20 x 1.10 M20 x 28

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAZ77R37	8.27 *210*	2.000 *50*	2.76 *70*	2.22 *53.8*	7.20 *183*	1.16 *32*	1/2 × 1/2 × 2 5/8 *14 x 9 x 80*	5/8-11 × 1 3/4 *M16 x 45*
FAZ87R57	9.45 *240*	2.375 *60*	3.35 *85*	2.65 *64.4*	8.27 *210*	1.39 *36*	5/8 × 5/8 × 3 5/8 *18 x 11 x 100*	3/4-10 × 2 *M20 x 50*
FAZ97R57	11.81 *300*	2.750 *70*	3.74 *95*	3.03 *74.9*	10.63 *270*	1.24 *34*	5/8 × 5/8 × 3 5/8 *20 x 12 x 110*	3/4-10 × 2 *M20 x 50*
FAZ107R77	13.78 *350*	3.625 *90*	4.65 *118*	3.89 *95.4*	12.32 *313*	1.24 *40*	7/8 × 5/8 × 3 1/2 *25 x 14 x 160*	3/4-10 × 2 *M24 x 60*

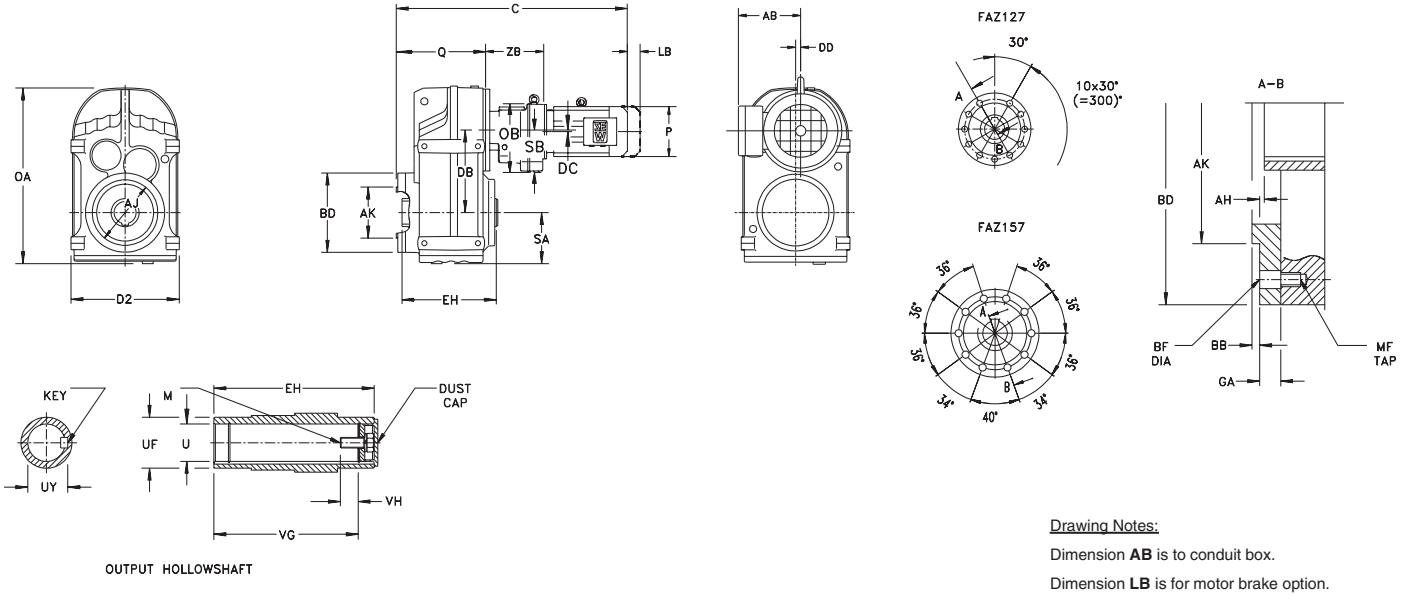
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M	DV 132ML	DV 160M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275
FAZ77R37	**C**	22.36 568	24.33 618	25.12 638	27.20 691	— —	— —	— —	— —	— —
FAZ87R57	**C**	25.75 654	27.72 704	28.50 724	30.47 774	31.85 809	33.74 857	34.61 879	— —	— —
FAZ97R57	**C**	27.64 702	29.61 752	30.39 772	32.36 822	33.74 857	35.63 905	36.50 927	— —	— —
FAZ107R77	**C**	29.61 752	31.57 802	32.28 820	34.25 870	35.67 906	37.44 951	38.23 971	40.59 1031	40.59 1031

Dimensions are inch / mm

See page 275 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D2	DB	DC	DD	OA	OB	Q	SA	SB	ZB
FAZ127R77	20.87 530	15.06 382.6	0.63 15.9	0.39 10	33.70 856	9.13 232	14.88 378	9.29 236	5.67 144	9.13 232
FAZ127R87	20.87 530	15.06 382.6	0.50 12.6	0.39 10	33.70 856	11.77 299	14.88 378	9.29 236	7.24 184	11.02 280
FAZ157R97	25.98 660	17.60 447	0.40 10.2	0.59 15	40.20 1021	14.72 374	17.87 454	11.26 286	9.06 230	12.80 325

Face Flange

AH	AJ	AK *	BB	BD	BF	GA	MF
0.00 0	11.81 300	9.843 250	0.20 5	13.78 350	0.87 22	1.18 30	M20 x 1.10 M20 x 28
0.00 0	11.81 300	9.843 250	0.20 5	13.78 350	0.87 22	1.18 30	M20 x 1.10 M20 x 28
0.55 14	13.39 340	11.417 290	0.20 5	15.75 400	1.02 26	1.10 28	M24 x 1.42 M24 x 36

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 276.**

Model	EH	U *	UF	UY	VG	VH	Key	M
FAZ127R77	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
FAZ127R87	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
FAZ157R97	19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

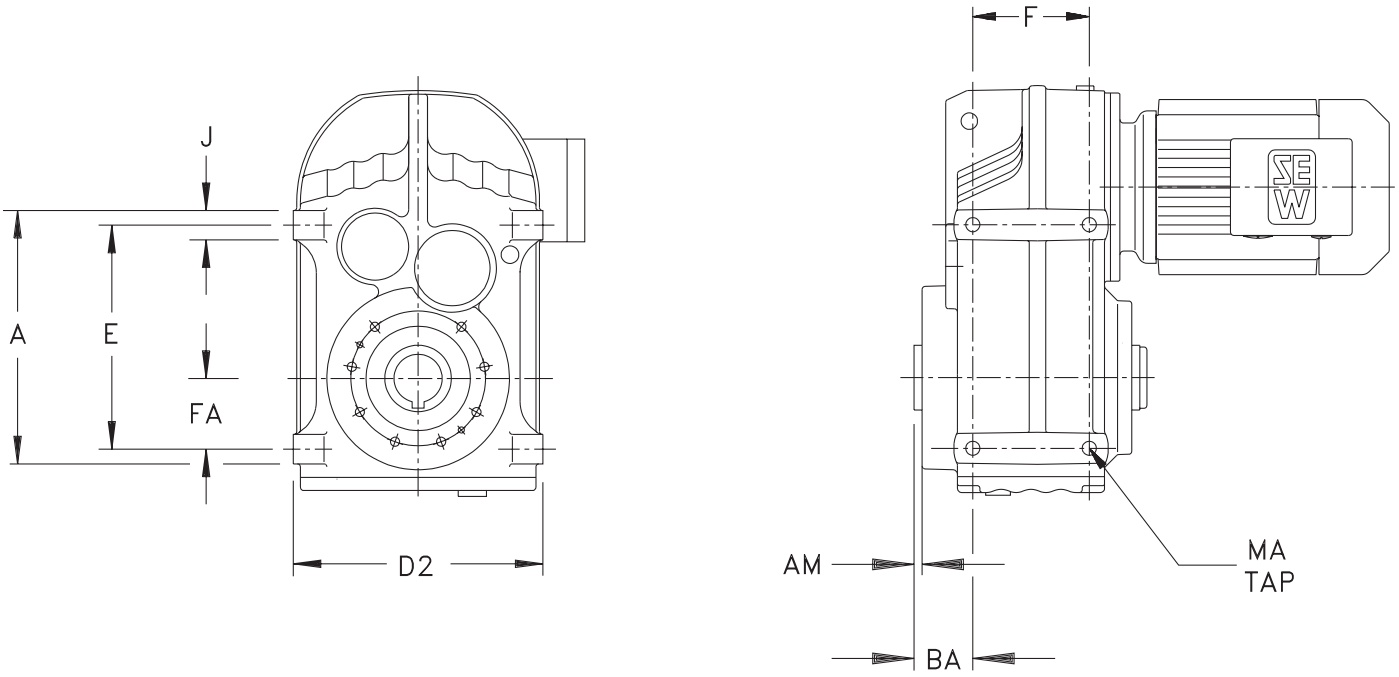
Motor

Model		DT				DV							
		71	80	90	100	112M	132S	132M	132ML	160M	160L	180	200
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394
FAZ127R77	**C**	31.61 803	33.58 853	34.29 871	36.26 921	37.68 957	39.45 1002	40.24 1022	42.60 1082	42.60 1082	— —	— —	— —
FAZ127R87	**C**	— —	35.28 896	36.02 915	37.99 965	39.37 1000	41.14 1045	41.93 1065	44.29 1125	44.29 1125	46.18 1173	48.98 1244	— —
FAZ157R97	**C**	— —	39.76 1010	40.55 1030	42.56 1081	43.94 1116	45.71 1161	46.50 1181	48.86 1241	48.86 1241	50.75 1289	53.58 1361	55.43 1408

Dimensions are inch / mm

See page 275 for available output shaft sizes.

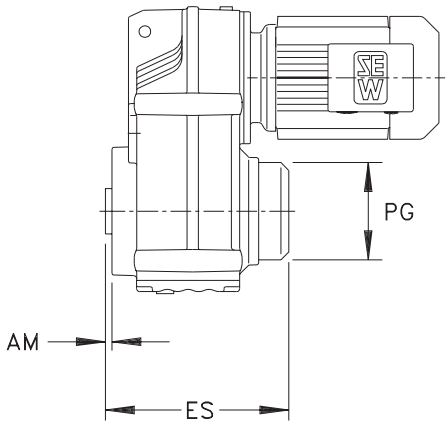
Dimensions
Type FA..BDT/DV.. - Shaft Mounted with Feet

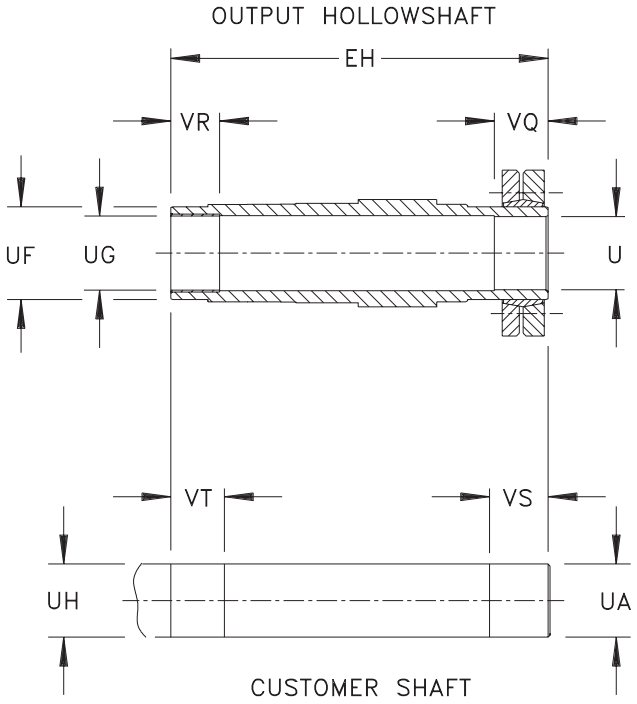


Dimensions are $\frac{\text{inch}}{\text{mm}}$

Model	A	AM	BA	D2	E	F	FA	J	MA
FA37BDT..	5.31 135	0.10 2.5	0.89 22.5	6.50 165	4.53 115	3.03 77	1.22 31	0.79 20	M8 x .43 M8 x 11
FA47BDT..	6.50 165	0.12 3	1.22 31	7.09 180	5.71 145	3.66 93	1.69 43	0.79 20	M10 x .59 M10 x 15
FA57BDT..	7.68 195	0.12 3	1.32 33.5	7.87 200	6.69 170	4.02 102	2.17 55	0.98 25	M12 x .67 M12 x 17
FA67BDT..	8.46 215	0.14 3.5	1.46 37	8.35 212	7.48 190	4.41 112	2.36 60	0.98 25	M12 x .67 M12 x 17
FA77BDT/DV..	10.83 275	0.16 4	1.44 36.5	10.63 270	9.45 240	5.51 140	2.76 70	1.38 35	M16 x 1.02 M16 x 26
FA87BDT/DV..	13.78 350	0.16 4	1.69 43	12.99 330	12.20 310	6.50 165	3.94 100	1.57 40	M16 x 1.02 M16 x 26
FA97BDT/DV..	15.75 400	0.16 4	1.91 48.5	15.75 400	13.78 350	8.07 205	4.72 120	1.97 50	M20 x 1.10 M20 x 28
FA107BDT/DV..	18.11 460	0.10 2.5	2.74 69.5	17.72 450	15.75 400	8.66 220	4.92 125	2.36 60	M24 x 1.42 M24 x 36
FA127BDV..	20.47 520	0.10 2.5	3.12 79.25	20.87 530	17.72 450	10.63 270	5.59 142	2.76 70	M30 x 1.77 M30 x 45
FA157BDV..	24.41 620	0.28 7	4.65 118	25.98 660	21.26 540	12.20 310	6.69 170	3.15 80	M36 x 2.17 M36 x 55

Consult appropriate the Snuggler® gearmotor dimension page for additional dimension of the speed reducer.



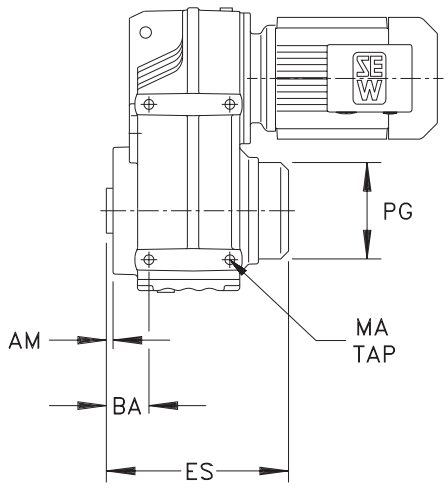


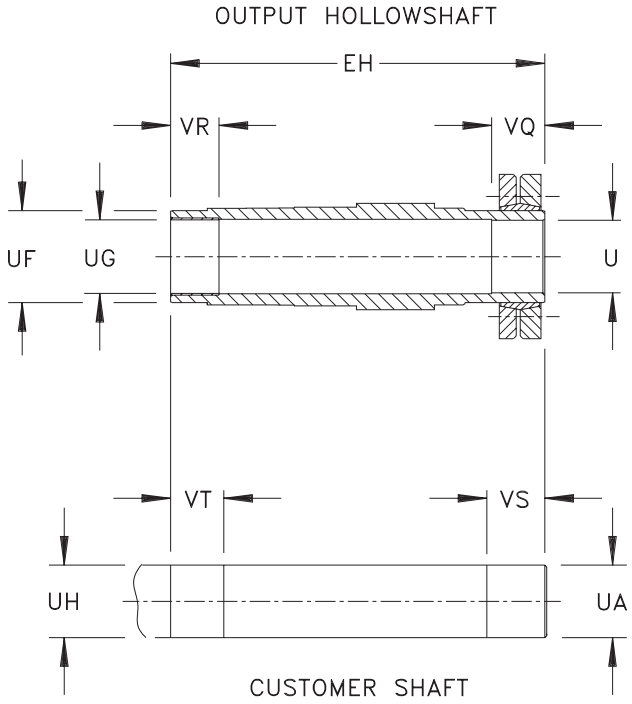
Dimensions are inch / mm

Model	AM	ES	PG	Shrink Disc EH	U[2]	UA[2]	UF	UG[2]	UH[2]	VR	VQ	VS	VT	M_a[3]
FH37DT90[1]	0.02	6.18	3.07	5.75	—	—	1.77	—	—	0.79	1.22	1.42	0.98	5130
	0.5	157	78	146	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	45	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	20	31	36	25	
FH47DT100[1]	0.04	7.42	3.46	6.97	—	—	1.97	—	—	0.79	1.26	1.46	0.98	8410
	1	188.5	88	177	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	50	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	20	32	37	25	
FH57DV132S[1]	0.04	8.72	3.94	7.68	—	—	2.17	—	—	0.79	1.02	1.22	0.98	14600
	1	221.5	100	195	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	26	31	25	
FH67DV132S[1]	0.04	8.72	3.94	8.19	—	—	2.17	—	—	0.79	1.50	1.69	0.98	14600
	1	221.5	100	208	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	38	43	25	
FH77DV160M[1]	0.04	10.04	4.76	9.49	—	—	2.76	—	—	1.18	1.42	1.61	1.38	28300
	1	255	121	241	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	70	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	30	36	41	35	
FH87DV180[1]	0.04	11.61	6.46	11.06	—	—	3.35	—	—	1.57	1.61	1.81	1.77	53100
	1	295	164	281	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	85	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	40	41	46	45	
FH97DV200[1]	0.04	14.19	7.28	13.58	—	—	3.74	—	—	1.97	2.17	2.36	2.17	79700
	1	360.5	185	345	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	95	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	50	55	60	55	
FH107DV225[1]	0.10	16.54	7.87	15.94	—	—	4.65	—	—	2.36	2.56	2.95	2.76	132800
	2.5	420	200	405	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	118	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	60	65	75	70	
FH127D280M[1]	0.10	19.72	9.17	19.09	—	—	5.31	—	—	2.76	3.35	3.74	3.15	241600
	2.5	501	233	485	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	135	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	70	85	95	80	
FH157D315M[1]	0.28	23.54	10.83	22.83	—	—	6.10	—	—	3.15	3.54	3.94	3.54	395900
	7	598	275	580	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	155	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	80	90	100	90	

Consult appropriate the Snuggler® gearmotor dimension page for additional dimension of the speed reducer.
1) Largest mountable motor size
2) Previous FA../S gear units (i.e. FA60) had different values
3) Maximum transmissible torque, in lb-in, of the shrink disc

Dimensions
Type FH..BDT/DV.. - Shrink Disc Mounted with Feet

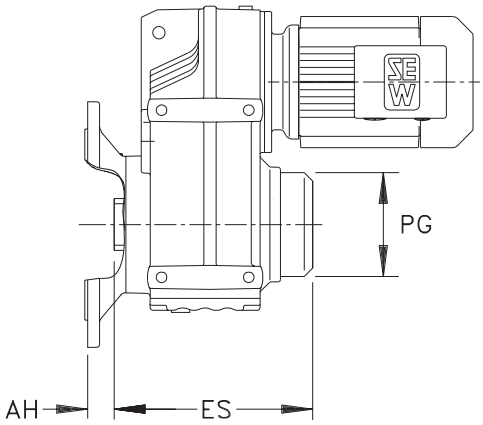


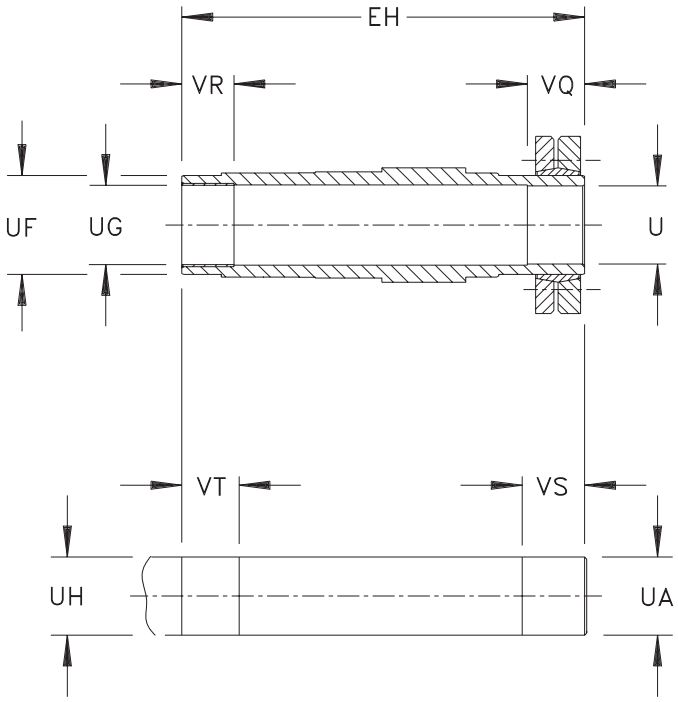


Dimensions are inch / mm

Model	AM	BA	ES	MA	PG	Shrink Disc EH	U[2]	UA[2]	UF	UG[2]	UH[2]	VR	VQ	VS	VT	M_a[3]
FH37BDT90[1]	0.10	0.89	6.18	M8 x .43	3.07	5.75	—	—	1.77	—	—	0.79	1.22	1.42	0.98	5130
	2.5	22.5	157	M8 x 11	78	146	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	45	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	20	31	36	25	
FH47BDT100[1]	0.12	1.22	7.42	M10 x .59	3.46	6.97	—	—	1.97	—	—	0.79	1.26	1.46	0.98	8410
	3	31	188.5	M10 x 15	88	177	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	50	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	20	32	37	25	
FH57BDV132S[1]	0.12	1.32	8.72	M12 x .67	3.94	7.68	—	—	2.17	—	—	0.79	1.02	1.22	0.98	14600
	3	33.5	221.5	M12 x 17	100	195	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	26	31	25	
FH67BDV132S[1]	0.14	1.46	8.72	M12 x .67	3.94	8.19	—	—	2.17	—	—	0.79	1.50	1.69	0.98	14600
	3.5	37	221.5	M12 x 17	100	208	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	38	43	25	
FH77BDV160M[1]	0.16	1.44	10.04	M16 x 1.02	4.76	9.49	—	—	2.76	—	—	1.18	1.42	1.61	1.38	28300
	4	36.5	255	M16 x 26	121	241	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	70	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	30	36	41	35	
FH87BDV180[1]	0.16	1.69	11.61	M16 x 1.02	6.46	11.06	—	—	3.35	—	—	1.57	1.61	1.81	1.77	53100
	4	43	295	M16 x 26	164	281	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	85	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	40	41	46	45	
FH97BDV200[1]	0.16	1.91	14.19	M20 x 1.10	7.28	13.58	—	—	3.74	—	—	1.97	2.17	2.36	2.17	79700
	4	48.5	360.5	M20 x 28	185	345	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	95	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	50	55	60	55	
FH107BDV225[1]	0.10	2.74	16.54	M24 x 1.42	7.87	15.94	—	—	4.65	—	—	2.36	2.56	2.95	2.76	132800
	2.5	69.5	420	M24 x 36	200	405	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	118	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	60	65	75	70	
FH127BD280M[1]	0.10	3.12	19.72	M30 x 1.77	9.17	19.09	—	—	5.31	—	—	2.76	3.35	3.74	3.15	241600
	2.5	79.25	501	M30 x 45	233	485	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	135	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	70	85	95	80	
FH157BD315M[1]	0.28	4.65	23.54	M36 x 2.17	10.83	22.83	—	—	6.10	—	—	3.15	3.54	3.94	3.54	395900
	7	118	598	M36 x 55	275	580	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	155	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	80	90	100	90	

Consult appropriate the Snuggler® gearmotor dimension page for additional dimension of the speed reducer.
1) Largest mountable motor size
2) Previous FA../S gear units (i.e. FA60) had different values
3) Maximum transmissible torque, in lb-in, of the shrink disc



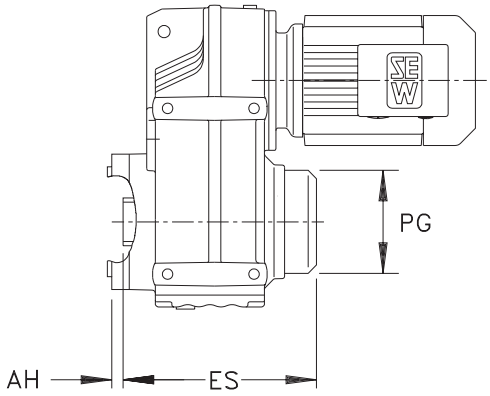


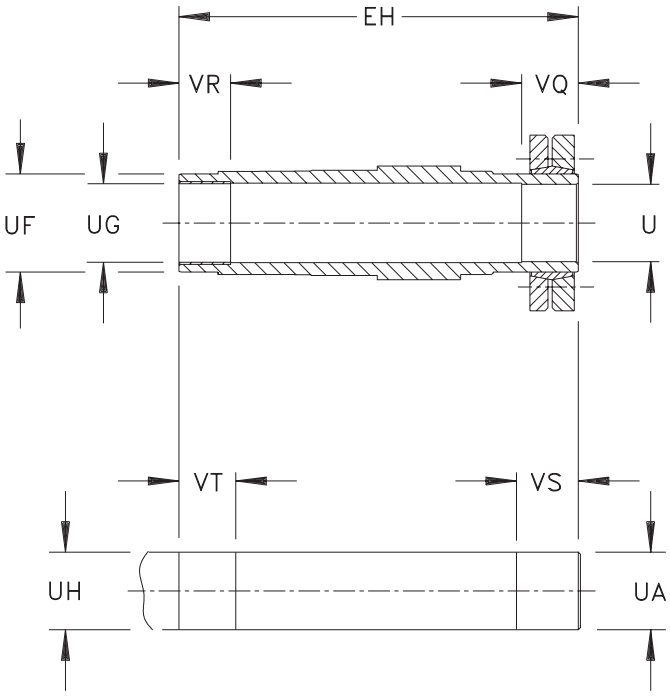
Dimensions are inch / mm

Model	AH	ES	PG	EH	Shrink Disc U[2]	Shrink Disc UA[2]	UF	Shrink Disc UG[2]	Shrink Disc UH[2]	VR	VQ	VS	VT	M_a[3]
FHF37DT90[1]	0.94	6.18	3.07	5.75	—	—	1.77	—	—	0.79	1.22	1.42	0.98	5130
	24	157	78	146	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	45	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	20	31	36	25	
FHF47DT100[1]	0.98	7.42	3.46	6.97	—	—	1.97	—	—	0.79	1.26	1.46	0.98	8410
	25	188.5	88	177	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	50	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	20	32	37	25	
FHF57DV132S[1]	0.91	8.72	3.94	7.68	—	—	2.17	—	—	0.79	1.02	1.22	0.98	14600
	23	221.5	100	195	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	26	31	25	
FHF67DV132S[1]	0.91	8.72	3.94	8.19	—	—	2.17	—	—	0.79	1.50	1.69	0.98	14600
	23	221.5	100	208	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	38	43	25	
FHF77DV160M[1]	1.46	10.04	4.76	9.49	—	—	2.76	—	—	1.18	1.42	1.61	1.38	28300
	37	255	121	241	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	70	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	30	36	41	35	
FHF87DV180[1]	1.18	11.61	6.46	11.06	—	—	3.35	—	—	1.57	1.61	1.81	1.77	53100
	30	295	164	281	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	85	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	40	41	46	45	
FHF97DV200[1]	1.63	14.19	7.28	13.58	—	—	3.74	—	—	1.97	2.17	2.36	2.17	79700
	41.5	360.5	185	345	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	95	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	50	55	60	55	
FHF107DV225[1]	1.61	16.54	7.87	15.94	—	—	4.65	—	—	2.36	2.56	2.95	2.76	132800
	41	420	200	405	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	118	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	60	65	75	70	
FHF127D280M[1]	2.01	19.72	9.17	19.09	—	—	5.31	—	—	2.76	3.35	3.74	3.15	241600
	51	501	233	485	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	135	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	70	85	95	80	
FHF157D315M[1]	2.36	23.54	10.83	22.83	—	—	6.10	—	—	3.15	3.54	3.94	3.54	395900
	60	598	275	580	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	155	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	80	90	100	90	

Consult appropriate the Snuggler® gearmotor dimension page for additional dimension of the speed reducer.
[1] Largest mountable motor size
[2] Previous FAF../S gear units (i.e. FAF60) had different values
[3] Maximum transmissible torque, in lb-in, of the shrink disc

Dimensions
Type FHZ..DT/DV.. - Face Mounted with Shrink Disc





Dimensions are inch / mm

Model	AH	ES	PG	Shrink Disc EH	U	UA	UF	UG	UH	VR	VQ	VS	VT	M_a [2]
FHZ37DT90[1]	0.35	6.18	3.07	5.75	—	—	1.77	—	—	0.79	1.22	1.42	0.98	5130
	9	157	78	146	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	45	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	20	31	36	25	
FHZ47DT100[1]	0.31	7.42	3.46	6.97	—	—	1.97	—	—	0.79	1.26	1.46	0.98	8410
	8	188.5	88	177	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	50	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	20	32	37	25	
FHZ57DV132S[1]	0.35	8.72	3.94	7.68	—	—	2.17	—	—	0.79	1.02	1.22	0.98	14600
	9	221.5	100	195	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	26	31	25	
FHZ67DV132S[1]	0.33	8.72	3.94	8.19	—	—	2.17	—	—	0.79	1.50	1.69	0.98	14600
	8.5	221.5	100	208	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	38	43	25	
FHZ77DV160M[1]	0.39	10.04	4.76	9.49	—	—	2.76	—	—	1.18	1.42	1.61	1.38	28300
	10	255	121	241	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	70	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	30	36	41	35	
FHZ87DV180[1]	0.43	11.61	6.46	11.06	—	—	3.35	—	—	1.57	1.61	1.81	1.77	53100
	11	295	164	281	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	85	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	40	41	46	45	
FHZ97DV200[1]	0.55	14.19	7.28	13.58	—	—	3.74	—	—	1.97	2.17	2.36	2.17	79700
	14	360.5	185	345	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	95	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	50	55	60	55	
FHZ107DV225[1]	-0.31	16.54	7.87	15.94	—	—	4.65	—	—	2.36	2.56	2.95	2.76	132800
	-8	420	200	405	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	118	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	60	65	75	70	
FHZ127D280M[1]	0	19.72	9.17	19.09	—	—	5.31	—	—	2.76	3.35	3.74	3.15	241600
	0	501	233	485	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	135	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	70	85	95	80	
FHZ157D315M[1]	0.51	23.54	10.83	22.83	—	—	6.10	—	—	3.15	3.54	3.94	3.54	395900
	13	598	275	580	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	155	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	80	90	100	90	

Consult appropriate the Snuggler® gearmotor dimension page for additional dimension of the speed reducer.
[1] Largest mountable motor size
[2] Maximum transmissible torque, in lb-in, of the shrink disc

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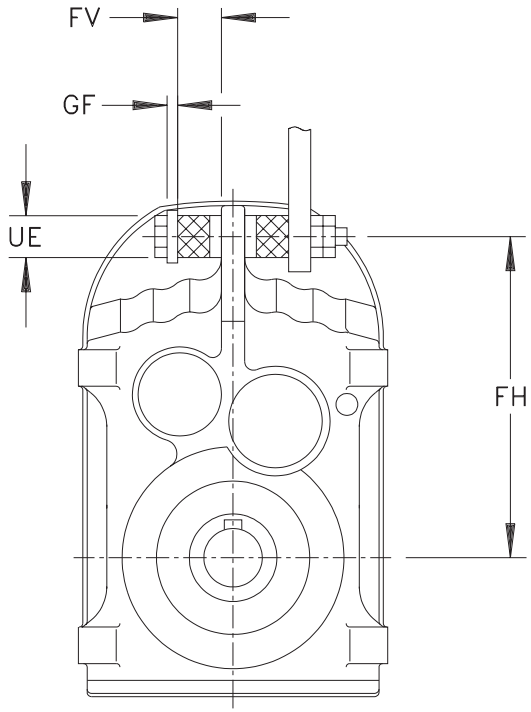
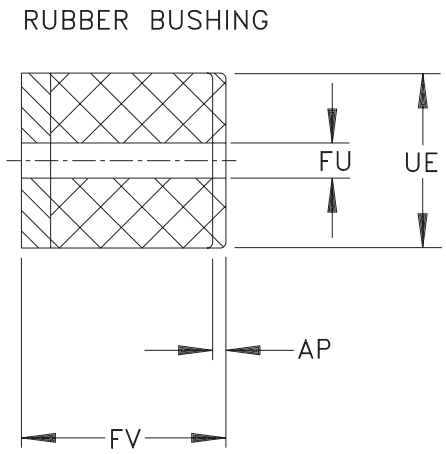




Model	AP[1]	FH	FU	FV	GF_{min}	UE [2]	Rubber Bushing Part Number
FA37	0.04 1.0	6.22 158	0.49 12.50	0.79 20	0.20 5	1.57 40	013 348 5
FA47	0.07 1.8	6.69 170	0.49 12.50	0.79 20	0.20 5	1.57 40	013 348 5
FA57	0.09 2.4	7.80 198	0.49 12.50	0.79 20	0.20 5	1.57 40	013 348 5
FA67	0.12 3.0	8.58 218	0.49 12.50	0.79 20	0.20 5	1.57 40	013 348 5
FA77	0.13 3.2	10.94 278	0.83 21	1.18 30	0.39 10	2.36 60	013 349 3
FA87	0.18 4.5	13.62 346	0.83 21	1.18 30	0.39 10	2.36 60	013 349 3
FA97	0.20 5	15.55 3.95	0.98 25	1.57 40	0.47 12	3.15 80	013 350 7
FA107	0.24 6	19.09 485	0.98 25	1.57 40	0.47 12	3.15 80	013 350 7
FA127	0.35 9	21.65 550	1.26 32	2.36 60	0.59 15	3.94 100	013 351 5
FA157	0.35 9	25.98 660	1.26 32	2.36 60	0.59 15	4.72 120	013 347 7

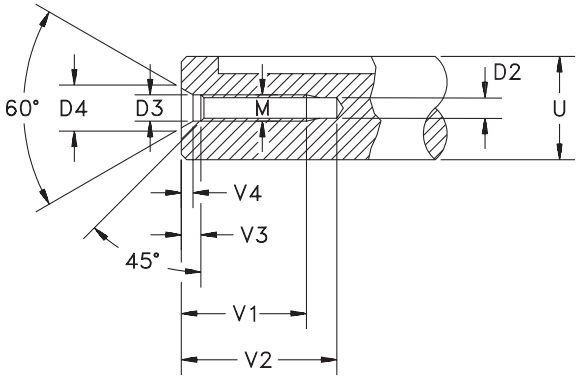
[1] **Approximate compression at $T_{a\ max}$**
[2] **Outside diameter of the resilient bushing in the uncompressed state.**

Dimensions are $\frac{\text{inch}}{\text{mm}}$

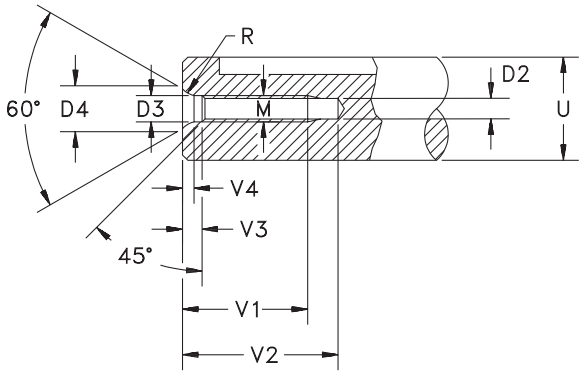
Each gear unit is supplied with two resilient bushings.

Consult appropriate [the] Snuggler® gearmotor dimension page for additional dimension of the speed reducer.

Inch Shaft



Metric Shaft



Inch Shaft

Dimensions are inch

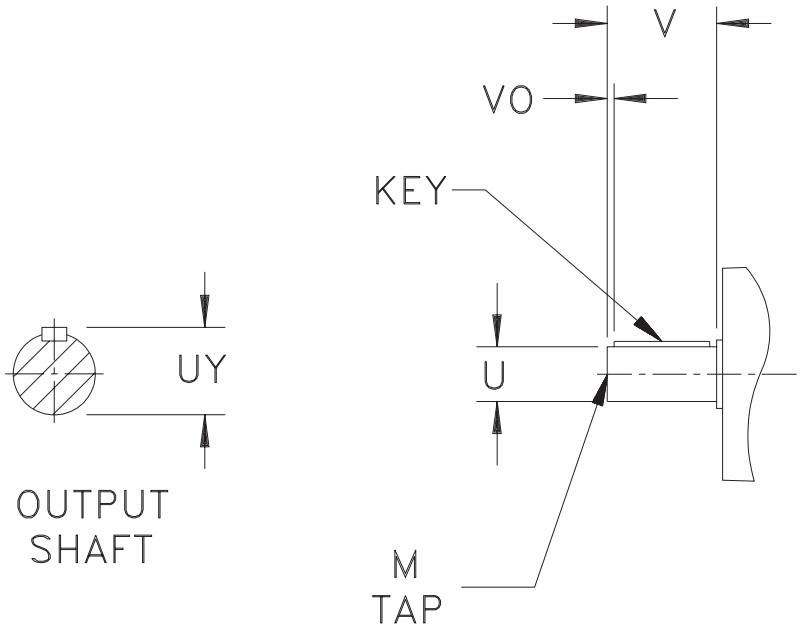
Shaft Diameter - U from	Shaft Diameter - U through[1)]	M	D2	D3	D4	V1 $^{+.079}_{-0}$	V2 min.	V3 $^{+.039}_{-0}$	V4 approximate
0	13/16	1/4 - 20	0.2086	0.256	0.374	0.630	0.787	0.197	0.102
7/8	15/16	5/16 - 18	0.2638	0.327	0.472	0.866	1.102	0.236	0.126
1	1 1/8	3/8 - 16	0.3189	0.386	0.571	0.866	1.102	0.295	0.169
1 1/4	1 3/8	1/2 - 13	0.4330	0.531	0.768	1.122	1.417	0.374	0.205
1 1/2	1 7/8	5/8 - 11	0.5433	0.654	0.984	1.378	1.772	0.472	0.283
2	3 1/4	3/4 - 10	0.6693	0.795	1.181	1.614	2.047	0.591	0.335
3 3/8	5	1 - 8	0.8858	1.016	1.457	2.126	2.756	0.709	0.394
5 1/16 and over		1 1/8 - 7	0.9844	1.181	1.638	2.441	3.307	0.787	0.394

Metric Shaft

Dimensions are mm

Shaft Diameter - U from	Shaft Diameter - U through[1)]	M	D2	D3	D4	R	V1 $^{+2}_{-0}$	V2 min.	V3	V4 approximate
7	10	M3	2.5	3.2	5.3	4.0	9.0	12.0	2.6	1.8
10	13	M4	3.3	4.3	6.7	5.0	10.0	14.0	3.2	2.1
13	16	M5	4.2	5.3	8.1	6.3	12.5	17.0	4.0	2.4
16	21	M6	5.0	6.4	9.6	8.0	16.0	21.0	5.0	2.8
21	24	M8	6.8	8.4	12.2	10.0	19.0	25.0	6.0	3.3
24	30	M10	8.5	10.5	14.9	16.0	22.0	30.0	7.5	3.8
30	38	M12	10.2	13.0	18.1	20.0	28.0	37.0	9.5	4.4
38	50	M16	14.0	17.0	23.0	25.0	36.0	45.0	12.0	5.2
50	85	M20	17.5	21.0	28.4	31.5	42.0	53.0	15.0	6.4
85	130	M24	21.0	25.0	34.2	40.0	50.0	63.0	18.0	8.0
130 and over		M30	26.5	31.0	42.6	50.0	63.0	85.0	20.0	10.0

[1)] up to and including this diameter



INCH Shafts

Dimensions are inch

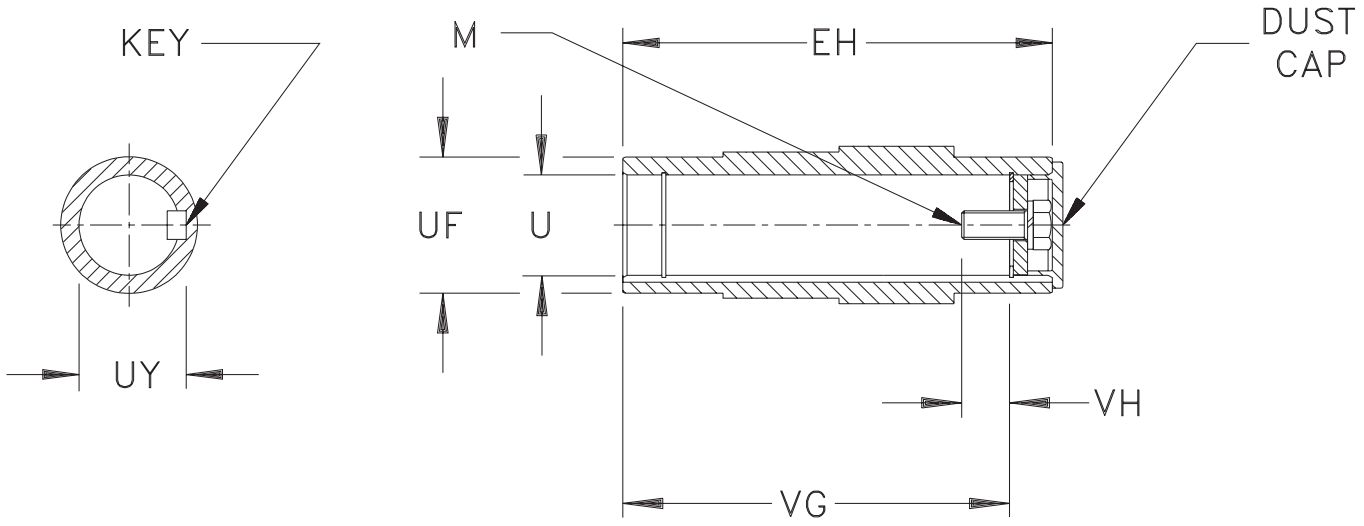
Model	U	UY	V	VO	Key	M	Change in length[2]
F/FF37	1.000 $^{0}_{-.0005}$	1.11	1.97	0.32	1/4 x 1/4 x 1 5/16	3/8 - 16 x .87	0
F/FF47	1.250 $^{0}_{-.0005}$	1.36	2.36	0.26	1/4 x 1/4 x 1 11/16	1/2 - 13 x 1.12	0
F/FF57	1.375 $^{0}_{-.0005}$	1.51	2.76	0.43	5/16 x 5/16 x 1 13/16	1/2 - 13 x 1.12	0
F/FF67	1.625 $^{0}_{-.001}$	1.79	3.15	0.38	3/8 x 3/8 x 2 1/4	5/8 - 11 x 1.38	0
	1.375[1] $^{0}_{-.0005}$	1.51	2.76	0.47	5/16 x 5/16 x 1 13/16	1/2 - 13 x 1.12	-0.39
F/FF77	2.000 $^{0}_{-.001}$	2.22	3.94	0.64	1/2 x 1/2 x 2 5/8	3/4 - 10 x 1.61	0
	1.750[1] $^{0}_{-.001}$	1.92	3.54	0.40	3/8 x 3/8 x 2 3/4	5/8 - 11 x 1.38	-0.39
F/FF87	2.375 $^{0}_{-.001}$	2.65	4.72	0.51	5/8 x 5/8 x 3 5/8	3/4 - 10 x 1.61	0
F/FF97	2.875 $^{0}_{-.001}$	3.20	5.51	0.67	3/4 x 3/4 x 4 1/8	3/4 - 10 x 1.61	0
F/FF107	3.625 $^{0}_{-.001}$	4.01	6.69	0.63	7/8 x 7/8 x 5 3/8	1 - 8 x 2.13	0
F/FF127	4.375 $^{0}_{-.001}$	4.82	8.27	1.09	1 x 1 x 6	1 - 8 x 2.13	0
F/FF157	4.750 $^{0}_{-.001}$	5.29	8.27	0.82	1 1/4 x 1 1/4 x 6 9/16	1 - 8 x 2.13	0

METRIC Shafts

Dimensions are mm

Model	U	UY	V	VO	Key	M	Change in length[2]
F/FF37	25 $^{+.015}_{+.002}$	28	50	5	8 x 7 x 40	M10 x 22	0
F/FF47	30 $^{+.015}_{+.002}$	33	60	3.5	8 x 7 x 50	M10 x 22	0
F/FF57	35 $^{+.018}_{+.002}$	38	70	7	10 x 8 x 56	M12 x 28	0
F/FF67	40 $^{+.018}_{+.002}$	43	80	5	12 x 8 x 70	M16 x 36	0
	35[1] $^{+.018}_{+.002}$	38	70	7	10 x 8 x 56	M12 x 28	-10
F/FF77	50 $^{+.018}_{+.002}$	53.5	100	10	14 x 9 x 80	M16 x 36	0
	45[1] $^{+.018}_{+.002}$	48.5	90	5	14 x 9 x 80	M16 x 36	-10
F/FF87	60 $^{+.030}_{+.011}$	64	120	5	18 x 11 x 110	M20 x 42	0
F/FF97	70 $^{+.030}_{+.011}$	74.5	140	7.5	20 x 12 x 125	M20 x 42	0
F/FF107	90 $^{+.035}_{+.013}$	95	170	5	25 x 14 x 160	M24 x 50	0
F/FF127	110 $^{+.035}_{+.013}$	116	210	15	28 x 16 x 180	M24 x 50	0
F/FF157	120 $^{+.035}_{+.013}$	127	210	5	32 x 18 x 200	M24 x 50	0

[1] Indicated shaft diameter reduces the gearbox torque rating - contact SEW-Eurodrive for details.
[2] When compared to standard shaft as shown in dimension pages.



OUTPUT HOLLOWSHAFT

INCH Shafts

Dimensions are inch

Model	EH	U	UF	UY	VG	VH	Key	M
FA/FAF/FAZ37	4.72	1.250 $^{+.001}_{-0}$	1.77	1.37	4.13	0.67	1/4 × 1/4 x 1 11/16	7/16 - 14 x 1
FA/FAF/FAZ47	5.91	1.375 $^{+.001}_{-0}$	1.97	1.52	5.20	0.65	5/16 x 5/16 x 1 13/16	1/2 - 13 x 1
	5.91	1.250 $^{+.001}_{-0}$	1.97	1.37	5.20	0.67	1/4 x 1/4 x 1 11/16	7/16 - 14 x 1
FA/FAF/FAZ57	6.54	1.500 $^{+.001}_{-0}$	2.17	1.67	5.59	1.36	3/8 x 3/8 x 2 1/4	5/8 - 11 x 1 3/4
FA/FAF/FAZ67	7.09	1.500 $^{+.001}_{-0}$	2.17	1.67	6.14	1.36	3/8 x 3/8 x 2 1/4	5/8 - 11 x 1 3/4
	7.09	1.4375[1] $^{+.001}_{-0}$	2.17	1.61	6.14	1.36	3/8 x 3/8 x 2 1/4	5/8 - 11 x 1 3/4
FA/FAF/FAZ77	8.27	2.000 $^{+.001}_{-0}$	2.76	2.22	7.20	1.16	1/2 x 1/2 x 2 5/8	5/8 - 11 x 1 3/4
	8.27	1.9375[1] $^{+.001}_{-0}$	2.76	2.16	7.20	1.16	1/2 x 1/2 x 2 5/8	5/8 - 11 x 1 3/4
FA/FAF/FAZ87	9.45	2.375 $^{+.001}_{-0}$	3.35	2.65	8.27	1.39	5/8 x 5/8 x 3 5/8	3/4 - 10 x 2
	9.45	2.4375[1] $^{+.001}_{-0}$	3.35	2.62	8.27	1.39	5/8 x 7/16 x 3	3/4 - 10 x 2
FA/FAF/FAZ97	11.81	2.750 $^{+.001}_{-0}$	3.74	3.03	10.63	1.24	5/8 x 5/8 x 3 5/8	3/4 - 10 x 2
	11.81	2.9375[1] $^{+.001}_{-0}$	3.74	3.14	10.63	1.24	3/4 x 1/2 x 3 1/2	3/4 - 10 x 2
FA/FAF/FAZ107	13.78	3.625 $^{+.001}_{-0}$	4.65	3.89	12.32	1.24	7/8 x 5/8 x 3 1/2	3/4 - 10 x 2
	13.78	3.250 $^{+.001}_{-0}$	4.65	3.59	12.32	1.24	3/4 x 3/4 x 4 1/8	3/4 - 10 x 2
	13.78	3.4375[1] $^{+.001}_{-0}$	4.65	3.70	12.32	1.24	7/8 x 5/8 x 3 1/2	3/4 - 10 x 2
FA/FAF/FAZ127	16.14	4.000 $^{+.001}_{-0}$	5.31	4.44	14.69	1.26	1 x 1 x 6	1 - 8 x 2 1/4
FA/FAF/FAZ157	19.69	4.500 $^{+.001}_{-0}$	6.10	4.95	18.11	1.26	1 x 1 x 6	1 - 8 x 2 1/4

[1] INX shaft options incur an additional charge.

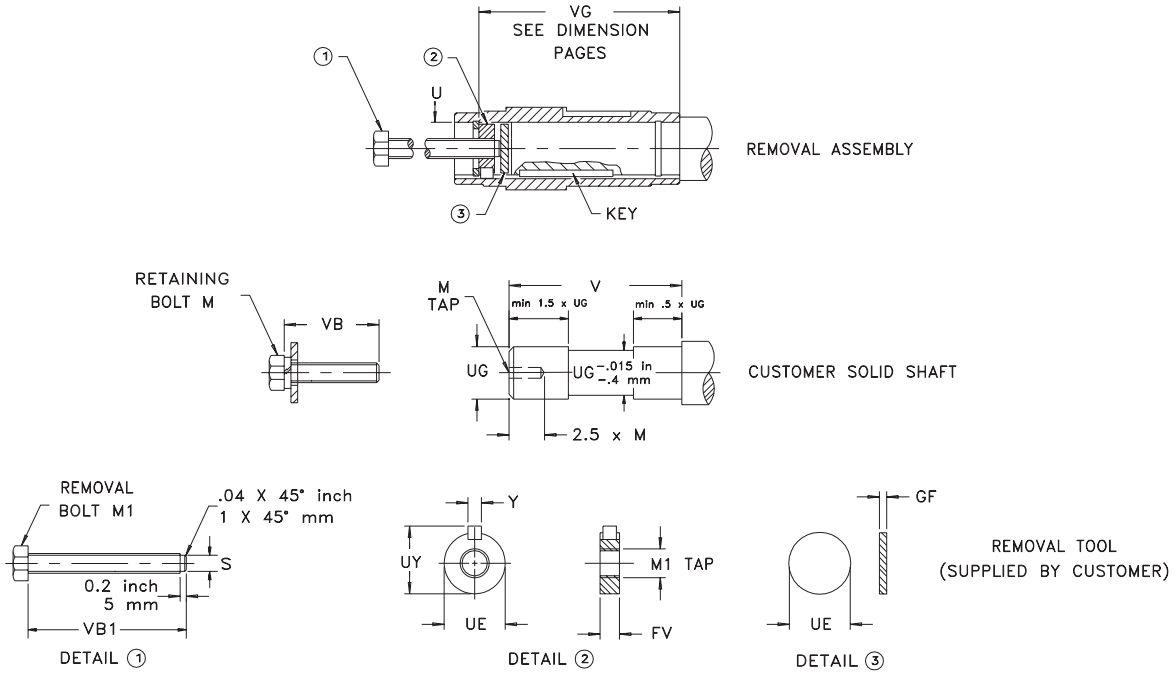
METRIC Shafts

Dimensions are mm

Model	EH	U	UF	UY	VG	VH	Key	M
FA/FAF/FAZ37	120	30 $^{+.021}_{-0}$	45	33.3	105	17	8 x 7 x 40	M10 x 25
FA/FAF/FAZ47	150	35 $^{+.025}_{-0}$	50	38.3	132	22	10 x 8 x 45	M12 x 30
	150	30 $^{+.025}_{-0}$	50	33.3	132	16	8 x 7 x 40	M10 x 25
FA/FAF/FAZ57	166	40 $^{+.025}_{-0}$	55	43.3	142	29	12 x 8 x 50	M16 x 40
FA/FAF/FAZ67	180	40 $^{+.025}_{-0}$	55	43.3	156	29	12 x 8 x 50	M16 x 40
FA/FAF/FAZ77	210	50 $^{+.025}_{-0}$	70	53.8	183	32	14 x 9 x 80	M16 x 45
FA/FAF/FAZ87	240	60 $^{+.030}_{-0}$	85	64.4	210	36	18 x 11 x 100	M20 x 50
FA/FAF/FAZ97	300	70 $^{+.030}_{-0}$	95	74.9	270	34	20 x 12 x 110	M20 x 50
FA/FAF/FAZ107	350	90 $^{+.035}_{-0}$	118	95.4	313	40	25 x 14 x 160	M24 x 60
	350	80 $^{+.030}_{-0}$	118	85.4	313	30	22 x 14 x 125	M20 x 50
FA/FAF/FAZ127	410	100 $^{+.035}_{-0}$	135	106.4	373	38	28 x 16 x 180	M24 x 60
FA/FAF/FAZ157	500	120 $^{+.035}_{-0}$	155	127.4	460	36	32 x 18 x 200	M24 x 60

Recommended Design for Customer Solid Shaft & Assembly/Disassembly Tool

When using conventional tools to remove a shaft mounted gear unit, the dismantling forces are exerted via the reducer housing and bearings and may damage the machine's drive shaft or the gear unit. To simplify the removal from the machine's drive shaft, a tool can be made as shown. A round, keyed nut (2) is inserted into the free space between the end of the machine drive shaft and the snapring in the gear unit's hollowshaft. A removal bolt (1) is screwed into the nut and presses a disc (3) against the end face of the machine drive shaft, forcing the machine drive shaft out of the hollowshaft. Please note the securing bolt normally supplied with the gear unit's hollowshaft must be replaced with a bolt as shown and the customer solid shaft should be manufactured in accordance with the dimensions shown here.



INCH Bore Hollowshaft

All dimensions are inch

Model	FV	GF	M	M1	S	U	UE –.01	UG*	UY Max.	V	VB	VB1	Y Max.
FA/FAF/FAZ37	.58	.20	7/16–14	5/8–18	.50	1.250	1.245	1.250	1.35	3.23	2.00	6.00	.250
FA/FAF/FAZ47	.59	.20	7/16–14	5/8–18	.50	1.250	1.245	1.250	1.35	4.29	2.00	6.00	.250
	.59	.20	1/2–13	5/8–18	.50	1.375	1.370	1.375	1.50	4.29	2.00	6.00	.3125
FA/FAF/FAZ57	.79	.20	5/8–11	1–14	.81	1.500	1.495	1.500	1.65	4.45	2.75	7.00	.375
FA/FAF/FAZ67	.79	.20	5/8–11	1–14	.81	1.4375	1.433	1.4375	1.59	5.00	2.75	7.00	.375
	.79	.20	5/8–11	1–14	.81	1.500	1.495	1.500	1.65	5.00	2.75	7.00	.375
FA/FAF/FAZ77	.79	.20	5/8–11	1–14	.81	1.9375	1.933	1.9375	2.14	6.06	2.75	7.00	.500
	.79	.20	5/8–11	1–14	.81	2.000	1.995	2.000	2.20	6.06	2.75	8.50	.500
FA/FAF/FAZ87	.94	.31	3/4–10	1 1/4–12	1.00	2.375	2.370	2.375	2.63	6.85	3.50	10.00	.625
	.94	.31	3/4–10	1 1/4–12	1.00	2.4375	2.433	2.438	2.60	6.85	3.50	10.00	.625
FA/FAF/FAZ97	.94	.31	3/4–10	1 1/4–12	1.00	2.750	2.745	2.750	3.01	9.21	3.50	12.50	.625
	.94	.31	3/4–10	1 1/4–12	1.00	2.9375	2.933	2.938	3.12	9.21	3.50	12.50	.750
FA/FAF/FAZ107	.94	.31	3/4–10	1 1/4–12	1.00	3.250	3.245	3.250	3.57	10.98	4.00	14.00	.750
	.94	.31	3/4–10	1 1/4–12	1.00	3.4375	3.433	3.438	3.68	10.98	4.00	14.00	.875
	.94	.31	3/4–10	1 1/4–12	1.00	3.625	3.620	3.625	3.87	10.98	4.00	14.00	.875
FA/FAF/FAZ127	1.15	.31	1–8	1 1/2–12	1.23	4.000	3.995	4.000	4.42	12.87	4.00	16.50	1.000
FA/FAF/FAZ157	1.15	.31	1 – 8	1 1/2–12	1.23	4.500	4.495	4.000	4.93	16.38	4.25	20.00	1.000

Hollowshafts are bored to the tolerances shown for **U** in the dimension pages. An appropriate dimensional tolerance should be chosen from the table below for the machine shaft based on the nature of the load.

***Tolerance for Shaft Diameter UG**

UG	Load Class		
	I	II	III
1.1875 – 1.500	+0 –.0011	+.0004 –.0007	+.0007 –.0004
2.000 – 2.938	+0 –.0009	+.0005 –.0005	+.0008 –.0001
3.250 – 4.000	+0 –.0012	+.0005 –.0007	+.0010 –.0003

Load Class I = **Uniform Load and** $\frac{J_L}{J_M} \leq 0.2$

Load Class II = **Moderate Shock Load and** $\frac{J_L}{J_M} \leq 3.0$

Load Class III = **Heavy Shock** Load and $\frac{J_L}{J_M} \leq 10$

J_L = **Load Inertia reflected to reducer input**

J_M = **Motor Inertia**

Recommended Design for Customer Solid Shaft & Assembly/Disassembly Tool

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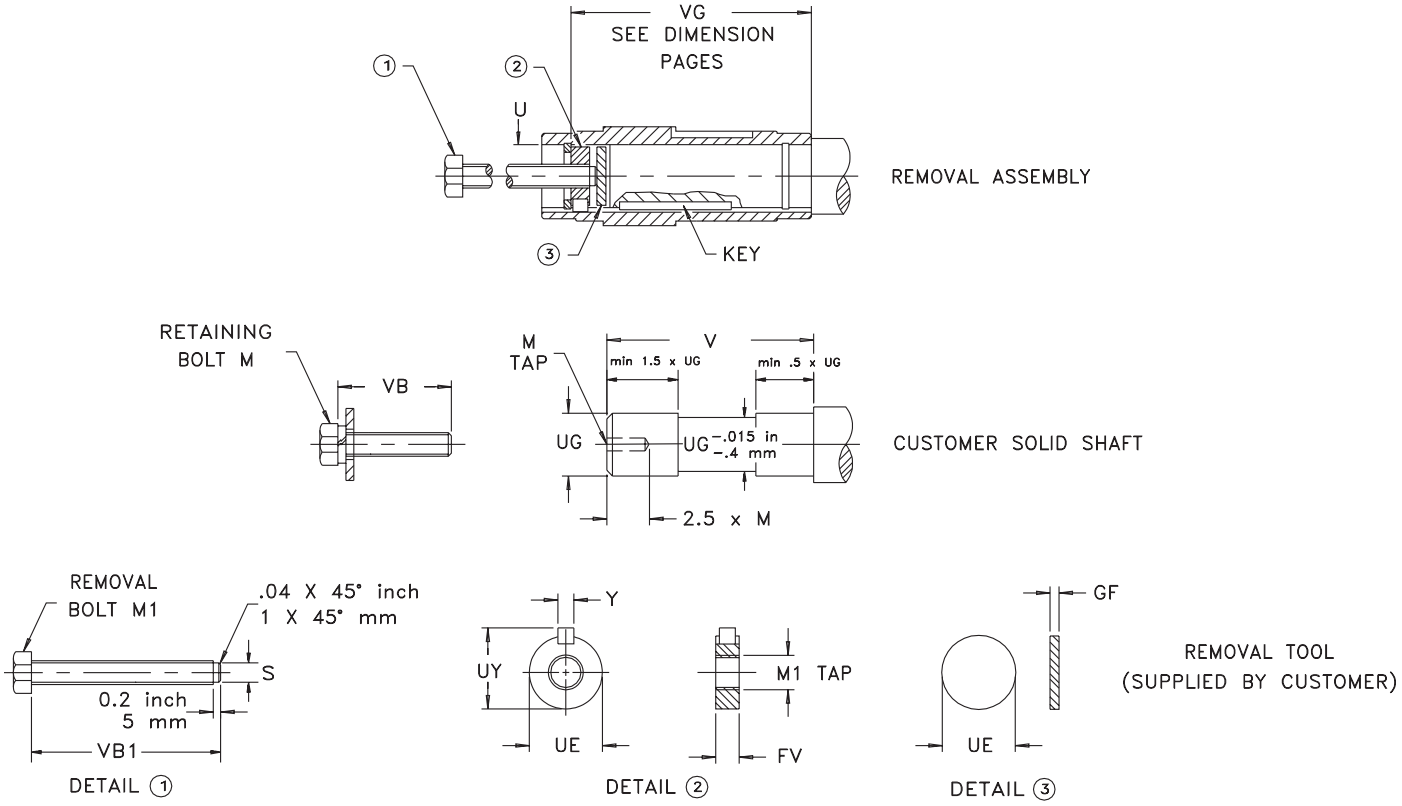

METRIC Bore Hollowshaft

All dimensions are mm

Model	FV	GF	M	M1	S	U	UE –0.2	UG*	UY Max.	V	VB	VB1	Y Max.
FA/FAF/FAZ37	15	5	M10	M16 × 1	13	30	29.9	30	33	82	50	130	8
FA/FAF/FAZ47	15	5	M10	M16 × 1	13	30	29.9	30	33	109	55	160	8
	15	5	M12	M16 × 1	13	35	34.9	35	38	109	55	160	10
FA/FAF/FAZ57	20	5	M16	M24 × 1.5	20	40	39.9	40	43	113	70	190	12
FA/FAF/FAZ67	20	5	M16	M24 × 1.5	20	40	39.9	40	43	127	70	190	12
FA/FAF/FAZ77	20	5	M16	M24 × 1.5	20	50	49.9	50	53.5	154	70	220	14
FA/FAF/FAZ87	24	8	M20	M30 × 1.5	26	60	59.9	60	64	174	90	250	18
FA/FAF/FAZ97	24	8	M20	M30 × 1.5	26	70	69.9	70	74.5	234	90	320	20
FA/FAF/FAZ107	24	8	M20	M30 × 1.5	26	80	79.9	80	85	279	100	360	22
	24	8	M24	M30 × 1.5	26	90	89.9	90	95	279	100	360	25
FA/FAF/FAZ127	30	8	M24	M36 × 1.5	32	100	99.9	100	106	330	100	420	28
FA/FAF/FAZ157	30	8	M24	M36 × 1.5	32	120	119.9	120	127	416	110	500	32

Hollowshafts are bored to the tolerances shown for **U** in the dimension pages. An appropriate dimensional tolerance should be chosen from the table below for the machine shaft based on the nature of the load.

***Tolerance for Shaft Diameter UG**

UG	Load Class		
	I	II	III
20 - 30	+0 –.013	+.009 –.004	+.015 +.002
35 - 50	+0 –.016	+.011 –.005	+.018 +.002
60 - 80	+0 –.019	+.012 –.007	+.021 +.002
90 - 120	+0 –.022	+.013 –.009	+.025 +.003

Load Class I = **Uniform Load and** $\frac{J_L}{J_M} \leq 0.2$

Load Class II = **Moderate Shock Load and** $\frac{J_L}{J_M} \leq 3.0$

Load Class III = **Heavy Shock Load and** $\frac{J_L}{J_M} \leq 10$

J_L = **Load Inertia reflected to reducer input**

J_M = **Motor Inertia**

Technical Data
Weights

Listed below are weights for complete units less oil. Reducer weights less input cover are shown in the **Gear Unit** chart and combined reducer and motor weights are shown in the **Gearmotor** chart. For flanged reducers as well as gearmotors add the flange weight shown in the **Gear Unit** chart. For brakemotors add the brake weight listed at the bottom of the **Gearmotor** chart.

Note: Oil weighs approximately 7.5 lbs/gallon (2 lb/liter). Reference Lubrication Sheet for volume of oil required. All weights in lbs.

Note: All weights listed are approximations based on the heaviest unit of the type listed.

		Add for		
Model	**Reducer**	**FF**	**FA**	**FAF**
F37	26	4	-1	2
F37R17	—	4	-1	2
F47	37	7	-1	4
F47R17	—	7	-1	4
F57	53	14	-1	11
F57R37	77	14	-1	11
F67	66	13	-7	9
F67R37	93	13	-7	9
F77	117	23	-9	6
F77R37	143	23	-9	6
F87	205	33	-11	18
F87R57	265	33	-11	18
F97	342	75	-13	33
F97R57	408	75	-13	33
F107	529	61	-35	9
F107R77	628	61	-35	9
F127	882	102	-78	1
F127R77	1003	102	-78	1
F127R87	1047	102	-78	1
F157	1389	239	-47	85
F157R97	1698	239	-47	85

	DT				DV			
Model	**71**	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**
F37	40	46	62	84	—	—	—	—
F37R17	—	—	—	—	—	—	—	—
F47	51	57	73	93	—	—	—	—
F47R17	57	60	—	—	—	—	—	—
F57	68	75	90	112	128	139	—	—
F57R37	90	95	—	—	—	—	—	—
F67	82	88	104	128	141	152	—	—
F67R37	104	108	—	—	—	—	—	—
F77	135	143	157	181	194	209	254	276
F77R37	157	163	—	—	—	—	—	—
F87	—	232	243	276	287	298	342	364
F87R57	276	287	298	—	—	—	—	—
F97	—	—	386	419	430	441	485	507
F97R57	419	430	441	474	—	—	—	—
F107	—	—	—	606	617	628	673	695
F107R77	639	650	662	684	706	—	—	—
F127	—	—	—	—	—	—	1047	1069
F127R77	1025	1025	1036	1069	1080	1091	—	—
F127R87	—	—	—	—	—	1147	1191	1213
F157	—	—	—	—	—	—	—	—
F157R97	—	1742	1742	1764	1786	1808	1852	1874
Add for Brake	6	6	22	22	26	33	53	55
Add for Double Disc Brake	—	—	—	—	—	—	—	—

	DV							D				
Model	**160M**	**160L**	**180M**	**180L**	**200**	**225S**	**225M**	**250M**	**280S**	**280M**	**315S**	**315M**
F37	—	—	—	—	—	—	—	—	—	—	—	—
F37R17	—	—	—	—	—	—	—	—	—	—	—	—
F47	—	—	—	—	—	—	—	—	—	—	—	—
F47R17	—	—	—	—	—	—	—	—	—	—	—	—
F57	—	—	—	—	—	—	—	—	—	—	—	—
F57R37	—	—	—	—	—	—	—	—	—	—	—	—
F67	—	—	—	—	—	—	—	—	—	—	—	—
F67R37	—	—	—	—	—	—	—	—	—	—	—	—
F77	287	—	—	—	—	—	—	—	—	—	—	—
F77R37	—	—	—	—	—	—	—	—	—	—	—	—
F87	375	452	562	595	—	—	—	—	—	—	—	—
F87R57	—	—	—	—	—	—	—	—	—	—	—	—
F97	518	606	717	739	860	—	—	—	—	—	—	—
F97R57	—	—	—	—	—	—	—	—	—	—	—	—
F107	706	794	904	937	1058	1147	1213	—	—	—	—	—
F107R77	—	—	—	—	—	—	—	—	—	—	—	—
F127	1069	1147	1257	1301	1433	1521	1588	1852	2161	2337	—	—
F127R77	—	—	—	—	—	—	—	—	—	—	—	—
F127R87	1213	—	—	—	—	—	—					
F157	1610	1676	1808	1830	1940	2051	2117	2403	2690	2867	3263	3484
F157R97	1874	1962	2073	—	—	—	—	—	—	—	—	—
Add for Brake	55	93	90	93	112	112	115	—	—	—	—	—
Add for Double Disc Brake	—	—	99	101	121	121	123	—	—	—	—	—

Each gear unit is supplied from the factory with the correct grade and quantity of lubricant for the specified mounting position. The following lubricants are supplied from our North American Facilities. Under special circumstances such as high or low ambient temperatures optional oils should be used.

Standard Oil

USA			
Gear Units	**Type**	**Manufacturer**	**Ambient Temperature °C**
F..37 – 157	Mobilgear 630 [M]	Mobil Oil Corp.	0 to +40
CANADA			
F..37 – 157	Omala 220 [M]	Shell Oil Co.	0 to +40

[M]Mineral Oil

Optional Oil

USA			
Gear Units	**Type**	**Manufacturer**	**Ambient Temperature °C**
F..37 – 157	Mobilgear 629 [M]	Mobil Oil Corp.	-15 to +25
F..37 – 157	Mobil SHC630 [S]		-40 to +40
F..37 – 157	Mobil SHC629 [S]		-30 to +50
CANADA			
F..37 – 157	Omala RL220 [S]	Shell Oil Co.	-30 to +80

[M]Mineral Oil
[S] Synthetic Oil

For ball and roller bearings of gear units, the following greases are recommended:

Mineral Grease

Type	Manufacturer	Ambient Temperature °C
Mobilux EP2	Mobil Oil Corp.	-20 to +40
Alvania Grease R3	Shell Oil Co.	-30 to +60

Synthetic Grease

Type	Manufacturer	Ambient Temperature °C
Mobiltemp SHC 32	Mobil Oil Corp.	-45 to +60

The approximate lubricant in US **gallons and liters** per mounting position is as follows:

Gear Unit	Mounting Position											
	M1		M2		M3		M4		M5		M6	
	Gallons	Liters	Gallons	Liters	Gallons	Liters	Gallons	Liters	Gallons	Liters	Gallons	Liters
F37	0.26	1	0.32	1.2	0.18	0.7	0.32	1.2	0.26	1	0.29	1.1
F47	0.40	1.5	0.48	1.8	0.29	1.1	0.50	1.9	0.40	1.5	0.45	1.7
F57	0.69	2.6	0.98	3.7	0.55	2.1	0.92	3.5	0.74	2.8	0.77	2.9
F67	0.71	2.7	1.00	3.8	0.50	1.9	1.00	3.8	0.77	2.9	0.85	3.2
F77	1.32	5	1.93	7.3	1.14	4.3	2.11	8	1.59	6	1.66	6.3
F87	2.64	10	3.43	13	2.03	7.7	3.65	13.8	2.85	10.8	2.91	11
F97	4.89	18.5	5.94	22.5	3.33	12.6	6.66	25.2	4.89	18.5	5.28	20
F107	6.47	24.5	8.45	32	5.15	19.5	9.91	37.5	7.13	27	7.13	27
F127	10.70	40.5	14.53	55	8.98	34	16.12	61	12.29	46.5	12.42	47
F157	18.23	69	27.48	104	16.64	63	27.74	105	22.72	86	20.61	78
FF37	0.26	1	0.32	1.2	0.18	0.7	0.34	1.3	0.26	1	0.29	1.1
FF47	0.42	1.6	0.50	1.9	0.29	1.1	0.50	1.9	0.40	1.5	0.45	1.7
FF57	0.74	2.8	1.00	3.8	0.55	2.1	0.98	3.7	0.77	2.9	0.79	3
FF67	0.71	2.7	1.00	3.8	0.50	1.9	1.00	3.8	0.77	2.9	0.85	3.2
FF77	1.35	5.1	1.93	7.3	1.14	4.3	2.14	8.1	1.59	6	1.66	6.3
FF87	2.72	10.3	3.49	13.2	2.06	7.8	3.73	14.1	2.91	11	2.96	11.2
FF97	5.02	19	5.94	22.5	3.33	12.6	6.74	25.5	4.99	18.9	5.42	20.5
FF107	6.74	25.5	8.45	32	5.15	19.5	10.17	38.5	7.27	27.5	7.40	28
FF127	10.96	41.5	14.80	56	8.98	34	16.64	63	12.29	46.5	12.95	49
FF157	19.02	72	27.74	105	16.91	64	28.01	106	22.99	87	20.87	79
FA/FH/FV37 FAF/FHF/FVF37 FAZ/FHZ/FVZ37	0.26	1	0.32	1.2	0.18	0.7	0.32	1.2	0.26	1	0.29	1.1
FA/FH/FV47 FAF/FHF/FVF47 FAZ/FHZ/FVZ47	0.40	1.5	0.48	1.8	0.29	1.1	0.50	1.9	0.40	1.5	0.45	1.7
FA/FH/FV57 FAF/FHF/FVF57 FAZ/FHZ/FVZ57	0.71	2.7	1.00	3.8	0.55	2.1	0.95	3.6	0.77	2.9	0.79	3
FA/FH/FV67 FAF/FHF/FVF67 FAZ/FHZ/FVZ67	0.71	2.7	1.00	3.8	0.50	1.9	1.00	3.8	0.77	2.9	0.85	3.2
FA/FH/FV77 FAF/FHF/FVF77 FAZ/FHZ/FVZ77	1.32	5	1.93	7.3	1.14	4.3	2.11	8	1.59	6	1.66	6.3
FA/FH/FV87 FAF/FHF/FVF87 FAZ/FHZ/FVZ87	2.64	10	3.43	13	2.03	7.7	3.65	13.8	2.85	10.8	2.91	11
FA/FH/FV97 FAF/FHF/FVF97 FAZ/FHZ/FVZ97	4.89	18.5	5.94	22.5	3.33	12.6	6.61	25	4.89	18.5	5.28	20
FA/FH/FV107 FAF/FHF/FVF107 FAZ/FHZ/FVZ107	6.47	24.5	8.45	32	5.15	19.5	9.91	37.5	7.13	27	7.13	27
FA/FH/FV127 FAF/FHF/FVF127 FAZ/FHZ/FVZ127	10.30	39	14.53	55	8.98	34	16.12	61	11.89	45	12.29	46.5
FA/FH/FV157 FAF/FHF/FVF157 FAZ/FHZ/FVZ157	17.97	68	27.21	103	16.38	62	27.48	104	22.46	85	20.34	77

For compound drives the R reducer requires its own oil filling as shown in the chart:

Gear Unit	Mounting Position					
	M1/M3/M5/M6		M2		M4	
	Gallons	Liters	Gallons	Liters	Gallons	Liters
R17	0.07	0.25	0.16	0.6	0.16	0.6
R37	0.11	0.4	0.24	0.9	0.29	1.1
R57	0.21	0.8	0.48	1.8	0.53	2
R77	0.32	1.2	1.00	3.8	1.08	4.1
R87	0.63	2.4	1.8	6.8	2.03	7.7
R97	1.35	5.1	3.14	11.9	3.70	14

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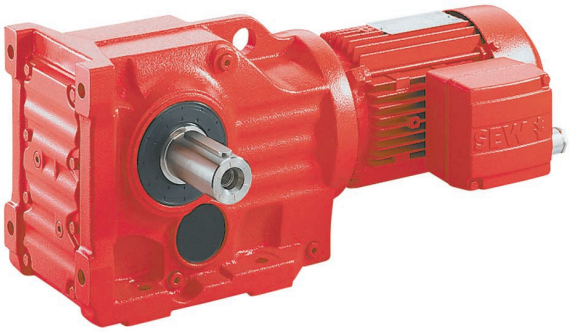

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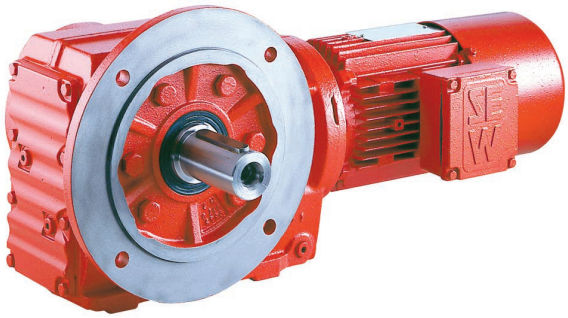

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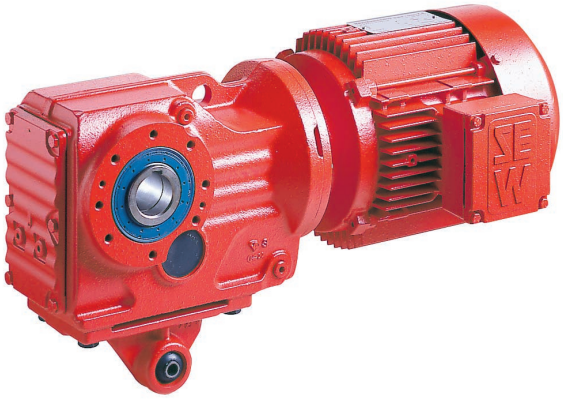

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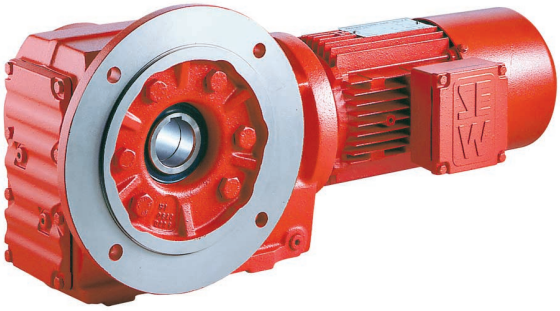


KAF..DT../DV..BM(G)

Introduction

The SEW-Eurodrive Helical-Bevel Gear Units are designed for continuous duty under difficult operating conditions. Only materials of the highest quality are used in the manufacture of the units. These units have the following standard construction features:

- Helical Gearing in compliance with ANSI/AGMA Standards 2001-B88.
- Bevel Gearing in compliance with ANSI/AGMA Standards 2003-A86.
- Gears are carburized to a hardness of 58 - 62 R_C for durability.
- Gearcase and flanges of high strength gray cast iron SAE Class 30.
- Double-lip oil seals on output shafts with additional inner seal made of Viton®.
- Captured keys on input and output shafts.
- Foot mounted, flange mounted, foot/flange mounted, shaft mounted, flange mounted with hollowshaft, or shaft/flange/foot mounted.
- Ratings in accordance with applicable AGMA Standards.

Efficiency

The efficiency of the gear units is mostly determined by the gearing and bearing friction and is approximately 95%.

Output Power, Torque, and Speed

The details on power, torque, and speed given in the selection tables always refer to the mounting position M1 or similar mounting position for standard features, standard ambient conditions, and standard lubricants. The output speeds have been rounded up or down. The actual output speed may vary slightly due to the motor frame size, the loading, or the supply voltage.

Design Variations

In addition to the versions shown in the accompanying pages, the Helical-Bevel Gear Units are also available with double output shaft, double flange or flange mount opposite shaft.

Additional features available for the Helical-Bevel Gear units are:

- Adapters for IEC or NEMA C-face motors.
- Motor mounting platforms and scoops.
- Adapters for torque limiting couplings.
- Corrosion protection.
- Torque arm attachment.
- Shrink disc shaft mounting.

Please contact your SEW-Eurodrive representative for additional information.

Abbreviations

The following abbreviations are used in the selection tables:

f_B	Service Factor
F_{Ra}	Permissible output overhung load (lb) at the midpoint of the output shaft extension
F_{Re}	Permissible input overhung load (lb) at the midpoint of the input shaft extension
i	Gear unit ratio
n_a	Output speed in rpm
n_e	Input speed in rpm
P_a	Rated output power (Hp)
P_e	Calculated power input into the gear unit (Hp) P_e is calculated from $T_{a\ max}$ by taking into account the gear units' efficiency under standard operating conditions. For calculated P_e less than .2Hp, a dash (—) is shown in the respective selection tables since the actual values are subject to large variations.
P_n	Motor rated power (HP)
T_a	Output torque (lb-in.) with reference to the driving motor
$T_{a\ max}$	Maximum permissible output torque (lb-in.) at $f_B = 1.0$.

Dimension Page Notes

The dimensions shown for the motors of frame size greater than 225 may vary slightly. Please have these dimensions confirmed when ordering these units.

The dimension sheets are valid for standard units with various basic features. In particular, motor accessories such as canopies, ventilators, etc. will alter the basic dimensions. Please refer to the respective accessory dimension pages for additional dimensions.

Motors from frame size DV112 are supplied with lifting eye bolts which can be removed. Gear Unit Sizes 167, 187 and smaller motors do not have lifting eye bolts.

Certified dimension sheets are available from your SEW-Eurodrive Assembly Center.

Viton® is a registered trademark of DuPont Dow Elastomers

Unit Selection

In order to select the most suitable gear unit it is essential that a thorough knowledge of the characteristics of the driven machine are known. The gear units are normally designed for constant torque load and only a few starts/stops. If these conditions do not exist, it is necessary to determine a service factor, f_B, from the start/stop frequency, Load Class, and the daily operating time as shown in the diagram below.

For gearmotors, the appropriate service factor taken from the diagram is then compared with the service factor given with each speed/power combination listed in the gearmotor selection tables. To ensure a long, trouble free service life it is essential that the unit selected has a service factor equal to, or greater than, that determined from the diagram.

Load Classification

I = Uniform load. Permissible inertia acceleration factor ≤0.2

II = Moderate shock load. Permissible inertia acceleration factor ≤3.0

III = Heavy shock load. Permissible inertia acceleration factor ≤10

For inertia acceleration factor > 10, please contact your nearest SEW-Eurodrive representative.

Inertia acceleration factor = $\frac{J_L}{J_m}$

Where: J_L = Reflected Load Inertia
J_m = Motor Inertia

All external load inertias, J, must be reflected back to the input side of the gear unit.

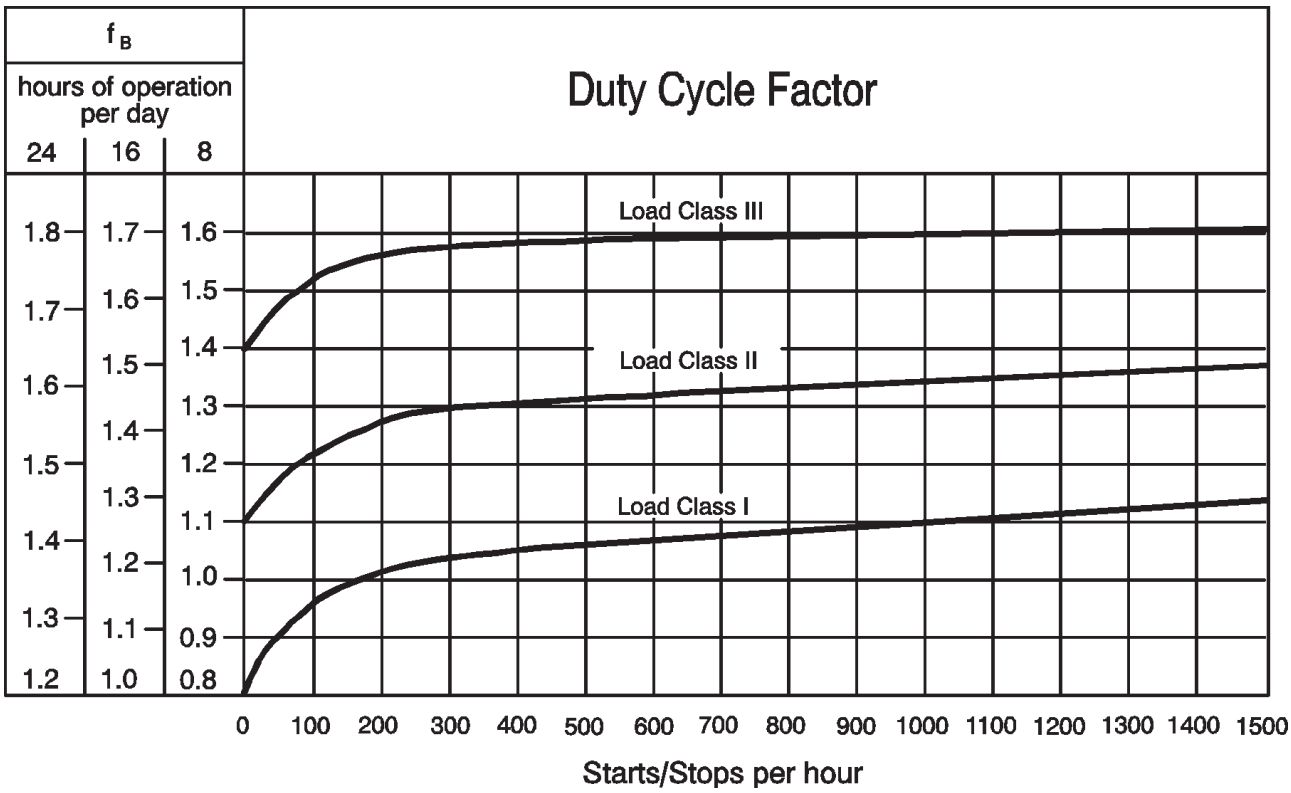
Example: $J_L = J \times \frac{1}{(\text{Gear Ratio})^2}$

Included in the number of starts and stops per hour must be all regenerative brake actions and the speed changes from high to low speed as experienced with multi-speed motors.

Example: Load Class I with 200 starts and stops per hour and operating time of 24 hours per day gives $f_B = 1.36$.

AGMA

For Service Factors using AGMA criteria, please refer to the guidelines on page 35 .



SEW EURODRIVE

OHL and Axial Shaft Loads

Overhung Loads, OHL, are a combination of live loads acting at right angles to the drive shaft caused by gears, sprockets, pulleys, couplings, etc. as well as dead loads applied directly on the shaft.

These overhead loads subject shaft bearings and shafts to stresses which, if exceeded, may cause premature failure of bearings and/or shaft breakage from bending fatigue.

Determination of Overhung Load - OHL

When determining the resulting overhung load, the type of transmission element mounted on the shaft end must be considered and a transmission element factor, f_z, must be included. The overhung load exerted on the output or input shafts can be calculated from the following formula. The resultant overhung load F must not exceed the permissible overhung load for the selected gear unit.

$$F = \frac{2T}{d_o} \cdot f_z$$

F = equivalent OHL in lbs.
T = load torque on the drive in lb-in.
d_o = pitch diameter of the gear, sprocket, or sheave in inches
f_z = transmission element factor

The transmission element factor, f_z, takes into account an additional radial force that is imposed on the shaft due to the type of transmission element: gear, chain sprocket, or sheave. There are gear teeth separating forces, pre-tensioning of belts, etc. that must be taken into account to determine the total equivalent radial loads. From applicational experience the following values of f_z should be used:

Transmission Element	Comments	f_z Factor
Spur or helical gears	≥ 17 teeth	1.0
	< 17 teeth	1.15
Chain sprockets	≥ 20 teeth	1.0
	< 20 teeth	1.25
	< 13 teeth	1.4
V-belt pulleys		1.75
Flat belt pulleys		2.5
Timing belt pulleys		1.3

Permissible Output Shaft Loads

The output shaft of the SEW-Eurodrive gear units are capable of accepting the axial and radial loads normally encountered by the mounting of gears, chain sprockets, belt pulleys, and shaft couplings. The permissible OHL under the most unfavorable conditions which can be applied at the midpoint of the shaft extensions for the gear unit types K and KF is shown in the respective speed/power selection tables as F_{Ra} in lbs. When the force is not applied at the midpoint of the shaft extension the F_{Ra} value must be adjusted according to the OHL conversion formulas.

It is possible in some instances for the OHL capacity to be substantially increased if the exact direction of the radial force is known. In such instances it is essential that full details be given to our engineering department to check the suitability of the unit selected.

For permissible axial and radial loads for gear unit types KA and KAF as well as for KF with output shaft projection opposite the flange and permissible axial loads for K and KF, please submit full details to our engineering department.

Output OHL Conversion

If the resultant OHL acts at a point other than at the midpoint of the output shaft extension, the permissible OHL, F_X, must be determined at the application point of the load according to the following formula:

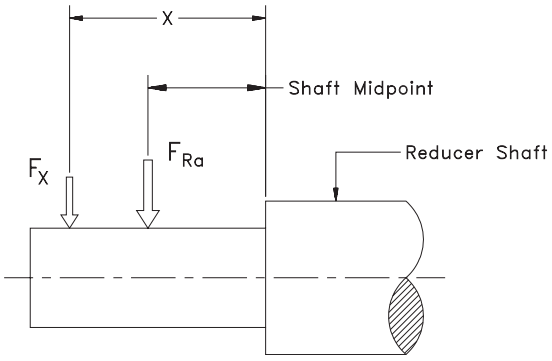
F_{Ra}-(lb.) Permissible overhung load at the midpoint of the output shaft extension—see selection tables.
X-(in.) Distance from the shoulder on the output shaft to the application point of load.
F_X-(lb.) Permissible overhung load at the point X
a-(lb-in.) Gear unit constant - see chart for values.
b,c,d-(in.) Gear unit constant - see chart for values.

The permissible OHL is the smaller of the two values obtained from the following formulae, F_{XL} and F_{XW}, and is denoted as F_X. The permissible OHL, F_X, **must be** greater than the calculated equivalent overhung load, F.

Permissible OHL, $F_{XL} = F_{Ra} \cdot \frac{c}{d + x}$ (lb)

Permissible OHL based on shaft stress, $F_{XW} = \frac{a \cdot 10^3}{b + x}$ (lb)

Note: F_{XW} applies only when reducer torque, T_a, is maximum.



Frame Size	a lb-in.	b in.	c in.	d in.
K 37	1.25	0	4.86	3.88
K 47	1.58	0	6.04	4.86
K 57	6.02	1.22	6.68	5.30
K 67	3.65	0	7.14	5.56
K 77	6.81	0	8.50	6.53
K 87	14.51	0	9.92	7.56
K 97	24.78	0	12.56	9.80
K 107	48.94	0	14.70	11.36
K 127	73.54	0	17.46	13.33
K 157	104.4	0	20.04	15.91
K 167	166.4	0	24.47	19.55
K 187	269.0	0	28.37	22.07

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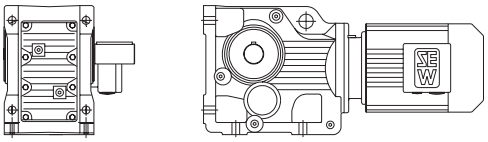
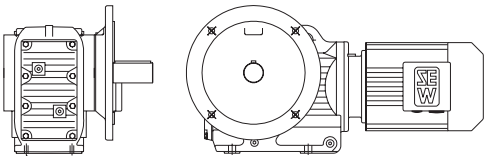


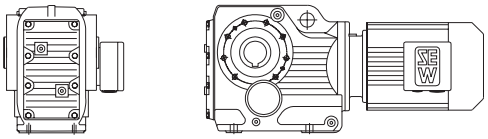
K

Solid shaft
Foot mount



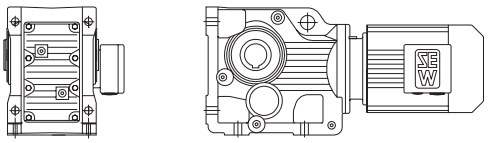
KF

Solid shaft
Flange mount (D & B5 style flange with through holes)



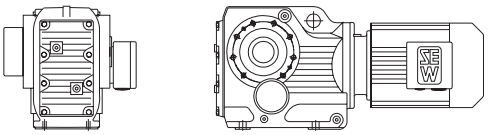
KA

Hollowshaft with key
Shaft mount



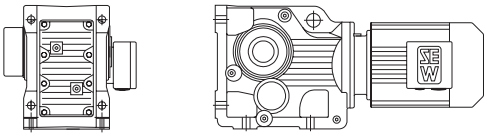
KA..B

Hollowshaft with key
Foot mount



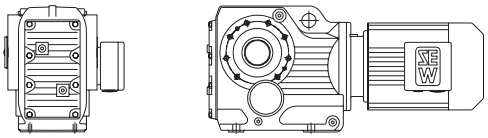
KH

Shrink disc hollowshaft
Shaft mount



KH..B

Shrink disc hollowshaft
Foot mount

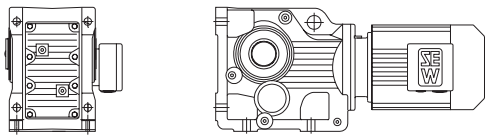


KV

Splined hollowshaft (DIN 5480)
Shaft mount

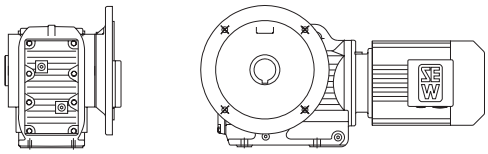
KV..B

Splined hollowshaft (DIN 5480)
Foot mount



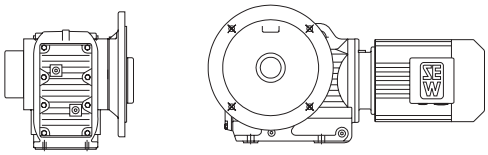
KAF

Hollowshaft with key
Flange mount (D & B5 style flange with through holes)



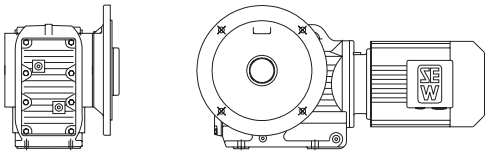
KHF

Shrink disc hollowshaft
Flange mount (D & B5 style flange with through holes)



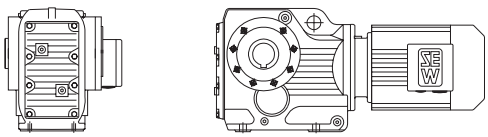
KVF

Splined hollowshaft (DIN5480)
Flange mount (D & B5 style flange with through holes)



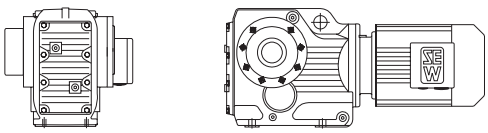
KAZ

Hollowshaft with key
Face mount (C & B14 style flange with tapped holes)



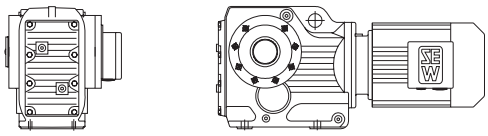
KHZ

Shrink disc hollowshaft
Face mount (C & B14 style flange with tapped holes)



KVZ

Splined hollowshaft (DIN 5480)
Face mount (C & B14 style flange with tapped holes)



Compatibility
SEW Motors - Pinion gear bore diameters

The gearmotor selection tables show a wide range of motor and gear unit combinations for single speed motors. When it is necessary to substitute a motor for one shown in the selection tables (e.g. two - speed motors) the following chart lists the possible combinations by gear unit ratios. Where no ratio is shown for a desired motor frame, then either the pinion gear bore is not available or the required motor to gearcase flange is not available. In all cases when substituting motors, the gear units torque capacity should not be exceeded.

Gear Unit Size	Permissible Ratios for Motor Frame Size					
	DT71	DT80	DT90	DT100	DV112	DV132S
	Pinion Gear Bore Diameter — mm					
	10	12	14	16	18	22
K..37	5.36 - 106.38	5.36 - 83.69	5.36 - 24.99 29.96 - 72.54	5.36 - 10.49 13.08 - 20.19 29.96 - 58.60		
K..47	7.36 - 11.77 13.65 - 31.30 39.61 - 131.87	5.81 - 104.37	5.81 - 90.86	5.81 - 21.81 25.91 35.39 - 63.30 75.20		
K..57	9.59 - 11.92 19.34 - 35.70 48.89 - 145.14	7.55 - 11.92 15.22 - 123.85	6.57 - 108.29	6.57 - 90.26	6.57 - 30.28 38.49 - 76.56	6.57 - 24.05 38.49 - 60.81
K..67	10.63 - 12.48 19.30 - 35.62 48.77 - 144.79	8.37 - 12.48 15.19 - 123.54	7.28 - 108.03	7.28 - 90.04	7.28 - 30.22 38.39 - 76.37	7.28 - 24.00 38.39 - 60.66
K..77	25.62 - 35.20 64.75 - 192.18	10.84 - 12.36 20.25 - 35.20 51.18 - 154.02	7.24 - 135.28	7.24 - 113.56	7.24 - 97.05	7.24 - 30.89 40.04 - 78.07
K..87		16.00 27.88 - 31.39 70.46 - 197.37	11.17 - 16.00 19.45 - 31.39 49.16 - 174.19	8.29 - 11.17 14.45 - 147.32	8.29 - 11.17 14.45 - 126.91	7.21 - 102.71
K..97			24.75 - 38.30 62.55 - 176.05	18.96 - 38.30 47.93 - 176.05	18.96 - 38.30 47.93 - 153.21	8.71 - 123.93
K..107				13.43 22.62 - 29.00 32.69 57.17 - 143.47	13.43 22.62 - 29.00 32.69 57.17 - 143.47	8.69 - 29.00 32.69 - 143.47

Gear Unit Size	Permissible Ratios for Motor Frame Size						
	DV132M	DV132ML	DV160M	DV160L	DV180	DV200	DV225
	Pinion Gear Bore Diameter — mm						
	22	28	28	28	32	38	38
K..57	6.57 - 24.05 38.49 - 60.81						
K..67	7.28 - 24.00 38.39 - 60.66						
K..77	7.24 - 30.89 40.04 - 78.07	7.24 - 23.08 40.04 - 58.34	7.24 - 23.08 40.04 - 58.34				
K..87	7.21 - 102.71	7.21 - 79.34	7.21 - 79.34	7.21 - 79.34	7.21 - 14.45 17.42 - 24.92 36.52 - 63.00		
K..97	8.71 - 123.93	8.71 - 96.80	8.71 - 96.80	8.71 - 96.80	8.71 - 30.82 41.87 - 77.89	8.71 - 24.75 41.87 - 62.55	
K..107	8.69 - 29.00 32.69 - 143.47	8.69 - 112.41	8.69 - 112.41	8.69 - 112.41	8.69 - 90.96	8.69 - 31.28 37.00 - 73.30	8.69 - 31.28 37.00 - 73.30
K..127	12.79 21.15 - 36.25 47.82 - 146.07	10.74 - 12.79 17.77 - 136.14	10.74 - 12.79 17.77 - 136.14	10.74 - 12.79 17.77 - 136.14	8.68 - 110.18	8.68 - 89.89	8.68 - 89.89
K..157		18.37 - 31.30 46.79 - 150.41	18.37 - 31.30 46.79 - 150.41	18.37 - 31.30 46.79 - 150.41	14.92 - 122.39	12.65 - 100.22	12.65 - 100.22
K..167		24.52-32.25 51.77-164.50	24.52-32.25 51.77-164.50	24.52-32.25 51.77-164.50	20.32-32.25 42.89-134.99	17.34-109.83	17.34-109.83
K..187		33.23-42.51 88.00-179.86	33.23-42.51 88.00-179.86	33.23-42.51 88.00-179.86	27.92-42.51 73.96-179.86	17.18-179.86	17.18-179.86

Compatibility
SEW Motors - Pinion gear bore diameters

The gearmotor selection tables show a wide range of motor and gear unit combinations for single speed motors. When it is necessary to substitute a motor for one shown in the selection tables (e.g. two - speed motors) the following chart lists the possible combinations by gear unit ratios. Where no ratio is shown for a desired motor frame, then either the pinion gear bore is not available or the required motor to gearcase flange is not available. In all cases when substituting motors, the gear units torque capacity should not be exceeded.

Gear Unit Size	Stages	Permissible Ratios for Motor Frame Size					
		DT71	DT80	DT90	DT100	DV112	DV132S
		Pinion Gear Bore Diameter — mm					
		10	12	14	16	18	22
K..37R17	5	96 - 996	96 - 996				
	6	1136 - 6832	1136 - 6832				
K..47R37	5	94 - 1222	94 - 1222	94 - 1222	94 - 552/718		
	6	1388 - 10138	1388 - 6826	1388 - 5159/6826	1388 - 1819 3477/4601		
K..57R37	5	97 - 1743	97 - 1743	97 - 1174/1743	97 - 906		
	6	1986 - 12169	1986 - 7277/9503	1986 - 3390 4340/5662 - 6478	1986 - 2593 5662		
K..67R37	5	122 - 1739	122 - 1739	122 - 697 903 - 1171	122 - 697 903		
	6	1981 - 12139	1981 - 9479	1981 - 6462 8173	1981 - 2244 5648		
K..77R37	5	154 - 2050	154 - 2050	154 - 2050	154 - 709 1218 - 1772		
	6	2370 - 15310	2370 - 11955	2370 - 8809	2370 3485 - 3961 5774		
K..87R57	5	201 - 250 373 - 2088	141 - 2088	141 - 2088	141 - 1078	141 - 951	141 - 562 726 - 837
	6	2371 - 14829	2371 - 11737	2371 - 10217	2371 - 2728 3609 - 5240	2371 - 2728 4562	
K..97R57	5	232 - 305 382 573 - 2419	199 - 305 382 - 2419	199 - 2419	199 - 743 1430 - 1625 2123	199 - 743 1430 - 1625	199 - 504 652 - 743 1430
	6	2757 - 18091	2757 - 11677	2757 - 11677	2757 3583 - 4669 6027 - 6970 10317	2757 4669 6970	
K..107R77	5	318 - 364 696 - 793 1166 - 1713	251 - 364 522 - 1713	140 - 1713	140 - 1713	140 - 1713	140 - 696 904 - 1030
	6	1939 - 14311	1939 - 12211	1939 - 8328 10677	1939 - 6184	1939 - 6184	1939 - 2286 3358 5138 - 5662
K..127R77	5	704 899 - 1926	418 549 - 704 899 - 1926	418 - 1926	418 - 1926	418 - 1926	418 - 899 1177/1541
	6	3311 - 17550	2607 - 14975	2268 - 12440	2268 - 6565 8443/10915	2268 - 5804 8443	2268 - 4423 5804
K..127R87	5			330 - 418 536	147 - 536	147 - 536	147 - 536
K..157R97	5		1365 - 1659	504 - 567 854 - 1659	333 434 - 567 756 - 1659	333 434 - 567 756 - 1659	291 - 1659
	6		3051/3979 5931 - 17679	2322 - 14721	1805 - 11368	1805 - 11368	1805 - 7734
K..157R107	5						107 - 122/213 253 - 299/385
K..167R97	5		1296-2182	481 632 944-2182	369 481 632-2182	369 481 632-2182	369-2182
	6		2755-4079 5355-19723	2755-13238 17406	2263-11573	2263-11573	2263-10264
K..167R107	5				318	318	118-160 206-318
K..187R97	5		2519-3609	1046-1196 1605-3609	527-3609	527-3609	527-3609
	6		5991-7343 11647-32625	4370-27165	2818-24353	2818-19144	2818-16978
K..187R107	5				520 835	520 835	193-835

Gear Unit Size	Stages	Permissible Ratios for Motor Frame Size						
		DV132M	DV132ML	DV160M	DV160L	DV180	DV200	DV225
		Pinion Gear Bore Diameter — mm						
		22	28	28	28	32	38	38
K..107R77	5	140 - 696 904 - 1030	140 - 286 408 - 615 904 - 1030					
	6	1939 - 2286 3358 5138 - 5662						
K..127R77	5	418 - 899 1177/1541	418 - 610 790					
	6	2268 - 4423 5804	2268 - 3009					
K..127R87	5	147 - 536	147 - 536	147 - 536	147 - 536	147 - 536		
K..157R97	5	291 - 1659	291 - 1365	291 - 1365	291 - 1365	291 - 1229		
	6	1805 - 7734	1805 - 2610 3516 4514 - 5074	1805 - 2610 3516 4514 - 5074				
K..157R107	5	107 - 122/213 253 - 299/385	107 - 385	107 - 385	107 - 385	107 - 385	107 - 385	107 - 385
K..167R97	5	369-2182	369-1296 1704	369-1296 1704	369-1296 1704	369-1101	369-843 1101	369-843 1101
	6	2263-10264	2263-2755 4079-5355	2263-2755 4079-5355	2263-2755 4079-5355	2263 4788	2263	2263
K..167R107	5	118-160 206-318	118-318	118-318	118-318	118-318	118-318	118-318
K..187R97	5	527-3609	527-2519	527-2519	527-2519	527-2268	527-1395 1821	527-1395 1821
	6	2818-16978	2818-6747 8126-13116	2818-6747 8126-13116	2818-6747 8126-13116	2818-5358 8126-10413	2818 8126	2818 8126
K..187R107	5	193-835	163-835	163-835	163-835	163-835	163-835	163-835

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.33	**321.0**	19.0	65	630	5.36	3	-	**K37**	**DT71C4**
	270.0	17.0	77	665	6.37	3	-	**K37**	**DT71C4**
	253.0	16.0	82	680	6.80	3	-	**K37**	**DT71C4**
	234.0	25.0	89	1120	7.36	3	-	**K47**	**DT71C4**
	216.0	14.0	96	715	7.96	3	-	**K37**	**DT71C4**
	201.0	23.0	104	1170	8.56	3	-	**K47**	**DT71C4**
	193.0	13.0	108	740	8.91	3	-	**K37**	**DT71C4**
	164.0	11.0	127	780	10.49	3	-	**K37**	**DT71C4**
	142.0	9.6	147	820	12.14	3	-	**K37**	**DT71C4**
	131.0	9.2	158	830	13.08	3	-	**K37**	**DT71C4**
	126.0	19.0	165	1360	13.65	3	-	**K47**	**DT71C4**
	123.0	8.4	169	850	8.91	3	-	**K37**	**DT71D6**
	112.0	8.4	185	870	15.31	3	-	**K37**	**DT71C4**
	108.0	18.0	192	1430	15.86	3	-	**K47**	**DT71C4**
	100.0	7.7	210	900	17.15	3	-	**K37**	**DT71C4**
	91.0	6.2	230	930	12.14	3	-	**K37**	**DT71D6**
	88.0	15.0	235	1520	19.58	3	-	**K47**	**DT71C4**
	85.0	6.7	245	950	20.19	3	-	**K37**	**DT71C4**
	79.0	13.0	265	1580	21.81	3	-	**K47**	**DT71C4**
	74.0	6.1	280	990	23.36	3	-	**K37**	**DT71C4**
	69.0	5.8	305	1010	24.99	3	-	**K37**	**DT71C4**
	66.0	11.0	315	1660	25.91	3	-	**K47**	**DT71C4**
	64.0	4.9	325	1030	17.15	3	-	**K37**	**DT71D6**
	60.0	5.1	350	1050	28.83	3	-	**K37**	**DT71C4**
	57.0	4.9	365	1060	29.96	3	-	**K37**	**DT71C4**
	55.0	9.4	380	1760	31.30	3	-	**K47**	**DT71C4**
	48.0	4.1	430	1120	35.57	3	-	**K37**	**DT71C4**
	45.0	3.8	460	1140	37.97	3	-	**K37**	**DT71C4**
	43.0	7.4	480	1860	39.61	3	-	**K47**	**DT71C4**
	39.0	3.3	540	1180	44.46	3	-	**K37**	**DT71C4**
	37.0	6.4	555	1850	46.03	3	-	**K47**	**DT71C4**
	35.0	2.9	605	1220	49.79	3	-	**K37**	**DT71C4**
	31.0	2.6	670	1250	35.57	3	-	**K37**	**DT71D6**
	29.0	2.5	710	1270	58.60	3	-	**K37**	**DT71C4**
	27.0	4.6	765	1840	63.30	3	-	**K47**	**DT71C4**
	25.0	2.2	820	1320	67.80	3	-	**K37**	**DT71C4**
	24.0	2.0	880	1340	72.54	3	-	**K37**	**DT71C4**
	23.0	3.9	910	1830	75.20	3	-	**K47**	**DT71C4**
	22.0	5.7	930	2230	76.56	3	-	**K57**	**DT71C4**
	21.0	1.8	1010	1380	83.69	3	-	**K37**	**DT71C4**
	20.0	3.4	1030	1830	85.12	3	-	**K47**	**DT71C4**
	19.0	3.2	1100	1820	90.86	3	-	**K47**	**DT71C4**
	18.0	1.5	1180	1400	97.81	3	-	**K37**	**DT71C4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 288 for available mounting options. See page 412 for weights.
Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.33	**17.0**	3.0	1200	1810	63.30	3	-	**K47**	**DT71D6**
	16.0	1.4	1290	1380	106.38	3	-	**K37**	**DT71C4**
	16.0	2.8	1260	1810	104.37	3	-	**K47**	**DT71C4**
	15.0	1.3	1370	1370	72.54	3	-	**K37**	**DT71D6**
	15.0	2.5	1420	1790	75.20	3	-	**K47**	**DT71D6**
	14.0	2.4	1470	1780	121.48	3	-	**K47**	**DT71C4**
	13.0	1.1	1580	1320	83.69	3	-	**K37**	**DT71D6**
	13.0	2.2	1600	1770	131.87	3	-	**K47**	**DT71C4**
	12.0	2.1	1720	1750	90.86	3	-	**K47**	**DT71D6**
	11.0	1.8	1970	1720	104.37	3	-	**K47**	**DT71D6**
	11.0	2.3	1540	1780	153	3	2	**K47R37**	**DT71C4**
	11.0	2.7	1950	2150	102.88	3	-	**K57**	**DT71D6**
	10.0	2.6	2050	2140	108.29	3	-	**K57**	**DT71D6**
	10.0	3.2	1670	2170	166	3	2	**K57R37**	**DT71C4**
	9.1	1.6	2300	1660	121.48	3	-	**K47**	**DT71D6**
	9.0	2.8	1930	2150	192	3	2	**K57R37**	**DT71C4**
	8.9	2.3	2340	2120	123.85	3	-	**K57**	**DT71D6**
	8.3	1.4	2490	1620	131.87	3	-	**K47**	**DT71D6**
	8.0	2.5	2150	2130	215	3	2	**K57R37**	**DT71C4**
	7.6	2.0	2750	2080	145.14	3	-	**K57**	**DT71D6**
	7.0	2.2	2470	2100	246	3	2	**K57R37**	**DT71C4**
	6.7	1.4	2570	1610	256	3	2	**K47R37**	**DT71C4**
	6.2	1.9	2800	2070	280	3	2	**K57R37**	**DT71C4**
	6.2	2.6	2800	2920	279	3	2	**K67R37**	**DT71C4**
	5.9	1.2	2950	1510	289	3	2	**K47R37**	**DT71C4**
	5.7	3.5	3640	4460	192.18	3	-	**K77**	**DT71D6**
	5.4	1.7	3260	2030	319	3	2	**K57R37**	**DT71C4**
	5.3	1.1	3370	1390	327	3	2	**K47R37**	**DT71C4**
	5.3	2.2	3280	2900	323	3	2	**K67R37**	**DT71C4**
	4.8	1.5	3700	1980	362	3	2	**K57R37**	**DT71C4**
	4.8	2.0	3690	2860	361	3	2	**K67R37**	**DT71C4**
	4.7	3.7	3750	4450	367	3	2	**K77R37**	**DT71C4**
	4.1	1.3	4210	1900	421	3	2	**K57R37**	**DT71C4**
	4.1	1.8	4200	2810	420	3	2	**K67R37**	**DT71C4**
	4.0	3.2	4280	4430	428	3	2	**K77R37**	**DT71C4**
	3.7	1.5	4860	2730	471	3	2	**K67R37**	**DT71C4**
	3.6	1.1	4840	1770	473	3	2	**K57R37**	**DT71C4**
	3.5	2.8	4850	4410	485	3	2	**K77R37**	**DT71C4**
	3.2	1.4	5430	2660	542	3	2	**K67R37**	**DT71C4**
	3.1	2.5	5530	4370	552	3	2	**K77R37**	**DT71C4**
	2.8	1.2	6170	2540	613	3	2	**K67R37**	**DT71C4**
	2.8	2.2	6170	4330	622	3	2	**K77R37**	**DT71C4**
	2.5	1.1	7010	2370	697	3	2	**K67R37**	**DT71C4**

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Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.33	**2.4**	2.0	7030	4270	709	3	2	**K77R37**	**DT71C4**
	2.1	1.6	8470	4150	815	3	2	**K77R37**	**DT71C4**
	2.1	2.9	8170	6480	837	3	2	**K87R57**	**DT71C4**
	1.9	1.5	9600	4040	924	3	2	**K77R37**	**DT71C4**
	1.8	2.5	9410	6460	951	3	2	**K87R57**	**DT71C4**
	1.6	1.3	10900	3880	1053	3	2	**K77R37**	**DT71C4**
	1.6	2.2	10900	6440	1078	3	2	**K87R57**	**DT71C4**
	1.4	1.1	12600	3650	1218	3	2	**K77R37**	**DT71C4**
	1.4	1.9	12500	6410	1229	3	2	**K87R57**	**DT71C4**
	1.4	2.9	12900	8990	1261	3	2	**K97R57**	**DT71C4**
	1.2	1.7	14500	6380	1415	3	2	**K87R57**	**DT71C4**
	1.2	2.7	14000	8990	1430	3	2	**K97R57**	**DT71C4**
	1.1	2.4	16100	8990	1625	3	2	**K97R57**	**DT71C4**
	1.0	1.4	17000	6320	1657	3	2	**K87R57**	**DT71C4**
	0.93	1.3	19000	6270	1854	3	2	**K87R57**	**DT71C4**
	0.93	2.0	19000	8990	1856	3	2	**K97R57**	**DT71C4**
	0.89	3.8	18700	14600	1939	3	3	**K107R77**	**DT71C4**
	0.82	1.1	21400	6210	2088	3	2	**K87R57**	**DT71C4**
	0.81	1.8	21500	8990	2123	3	2	**K97R57**	**DT71C4**
	0.75	3.2	22000	14600	2286	3	3	**K107R77**	**DT71C4**
	0.73	1.0	23600	6140	2371	3	3	**K87R57**	**DT71C4**
	0.71	1.6	24700	8990	2419	3	2	**K97R57**	**DT71C4**
	0.66	2.8	25300	14600	2599	3	3	**K107R77**	**DT71C4**
	0.62	1.4	27300	8990	2757	3	3	**K97R57**	**DT71C4**
	0.58	2.4	29000	14600	2977	3	3	**K107R77**	**DT71C4**
	0.55	1.2	31600	8990	3108	3	3	**K97R57**	**DT71C4**
	0.51	2.2	32300	14600	3358	3	3	**K107R77**	**DT71C4**
	0.48	1.1	36100	8990	3583	3	3	**K97R57**	**DT71C4**
	0.45	1.9	37500	14600	3810	3	3	**K107R77**	**DT71C4**
	0.44	3.1	37200	18500	3889	3	3	**K127R77**	**DT71C4**
	0.39	1.7	42900	14600	4359	3	3	**K107R77**	**DT71C4**
	0.39	2.7	42500	18500	4423	3	3	**K127R77**	**DT71C4**
	0.34	2.3	49000	18500	5027	3	3	**K127R77**	**DT71C4**
	0.33	1.5	49100	14600	5138	3	3	**K107R77**	**DT71C4**
	0.30	1.3	54100	14600	5662	3	3	**K107R77**	**DT71C4**
	0.30	2.1	55800	18400	5804	3	3	**K127R77**	**DT71C4**
	0.28	1.2	60300	14600	6184	3	3	**K107R77**	**DT71C4**
	0.26	1.8	65400	18300	6565	3	3	**K127R77**	**DT71C4**
	0.23	1.6	75200	18300	7482	3	3	**K127R77**	**DT71C4**
	0.20	1.4	83000	18200	8443	3	3	**K127R77**	**DT71C4**
	0.18	1.2	98700	18000	9819	3	3	**K127R77**	**DT71C4**
	0.16	1.1	108800	17900	10915	3	3	**K127R77**	**DT71C4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
0.50	**317.0**	13.0	99	625	5.36	3	-	**K37**	**DT71D4**
	267.0	11.0	118	660	6.37	3	-	**K37**	**DT71D4**
	250.0	11.0	126	675	6.80	3	-	**K37**	**DT71D4**
	231.0	16.0	136	1110	7.36	3	-	**K47**	**DT71D4**
	214.0	9.3	148	705	7.96	3	-	**K37**	**DT71D4**
	199.0	15.0	158	1160	8.56	3	-	**K47**	**DT71D4**
	191.0	8.6	165	730	8.91	3	-	**K37**	**DT71D4**
	173.0	7.0	182	755	6.37	3	-	**K37**	**DT80K6**
	162.0	7.3	195	765	10.49	3	-	**K37**	**DT71D4**
	140.0	6.3	225	800	12.14	3	-	**K37**	**DT71D4**
	130.0	6.0	240	820	13.08	3	-	**K37**	**DT71D4**
	125.0	13.0	255	1350	13.65	3	-	**K47**	**DT71D4**
	111.0	5.4	285	860	15.31	3	-	**K37**	**DT71D4**
	107.0	11.0	295	1410	15.86	3	-	**K47**	**DT71D4**
	99.0	5.0	320	880	17.15	3	-	**K37**	**DT71D4**
	91.0	4.1	350	910	12.14	3	-	**K37**	**DT80K6**
	87.0	9.8	365	1510	19.58	3	-	**K47**	**DT71D4**
	84.0	4.4	375	920	20.19	3	-	**K37**	**DT71D4**
	78.0	8.8	405	1560	21.81	3	-	**K47**	**DT71D4**
	73.0	4.0	435	960	23.36	3	-	**K37**	**DT71D4**
	68.0	3.8	465	980	24.99	3	-	**K37**	**DT71D4**
	59.0	3.3	535	1010	28.83	3	-	**K37**	**DT71D4**
	57.0	3.2	555	1020	29.96	3	-	**K37**	**DT71D4**
	54.0	6.1	580	1730	31.30	3	-	**K47**	**DT71D4**
	48.0	2.7	660	1070	35.57	3	-	**K37**	**DT71D4**
	45.0	2.5	705	1080	37.97	3	-	**K37**	**DT71D4**
	43.0	4.8	735	1840	39.61	3	-	**K47**	**DT71D4**
	38.0	2.2	820	1120	44.46	3	-	**K37**	**DT71D4**
	37.0	2.1	860	1130	29.96	3	-	**K37**	**DT80K6**
	35.0	3.9	910	1830	48.95	3	-	**K47**	**DT71D4**
	34.0	1.9	920	1150	49.79	3	-	**K37**	**DT71D4**
	31.0	1.8	1020	1170	35.57	3	-	**K37**	**DT80K6**
	30.0	3.4	1050	1820	56.83	3	-	**K47**	**DT71D4**
	29.0	1.7	1090	1190	58.60	3	-	**K37**	**DT71D4**
	28.0	4.7	1130	2210	60.81	3	-	**K57**	**DT71D4**
	27.0	3.0	1170	1810	63.30	3	-	**K47**	**DT71D4**
	25.0	1.4	1260	1220	67.80	3	-	**K37**	**DT71D4**
	25.0	4.1	1280	2200	69.12	3	-	**K57**	**DT71D4**
	24.0	2.7	1300	1800	69.84	3	-	**K47**	**DT71D4**
	23.0	1.3	1340	1240	72.54	3	-	**K37**	**DT71D4**
	23.0	2.5	1390	1790	75.20	3	-	**K47**	**DT71D4**
	22.0	3.7	1420	2190	76.56	3	-	**K57**	**DT71D4**
	20.0	1.2	1550	1260	83.69	3	-	**K37**	**DT71D4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.50	**20.0**	2.2	1580	1770	85.12	3	-	**K47**	**DT71D4**
	19.0	2.1	1680	1760	90.86	3	-	**K47**	**DT71D4**
	17.0	1.0	1810	1250	97.81	3	-	**K37**	**DT71D4**
	17.0	2.0	1810	1740	63.30	3	-	**K47**	**DT80K6**
	17.0	2.0	1810	1740	63.30	3	-	**K47**	**DT80K6**
	17.0	2.2	1600	1770	99	3	2	**K47R37**	**DT71D4**
	16.0	1.9	1940	1720	104.37	3	-	**K47**	**DT71D4**
	16.0	2.6	2010	2140	108.29	3	-	**K57**	**DT71D4**
	15.0	1.7	2160	1690	75.20	3	-	**K47**	**DT80K6**
	15.0	2.0	1790	1740	112	3	2	**K47R37**	**DT71D4**
	14.0	1.6	2250	1670	121.48	3	-	**K47**	**DT71D4**
	14.0	2.3	2300	2120	123.85	3	-	**K57**	**DT71D4**
	13.0	1.5	2450	1630	131.87	3	-	**K47**	**DT71D4**
	13.0	2.5	2080	2140	129	3	2	**K57R37**	**DT71D4**
	12.0	1.4	2600	1600	90.86	3	-	**K47**	**DT80K6**
	12.0	2.0	2690	2080	145.14	3	-	**K57**	**DT71D4**
	11.0	1.2	2990	1500	104.37	3	-	**K47**	**DT80K6**
	11.0	1.8	2950	2060	102.88	3	-	**K57**	**DT80K6**
	11.0	2.5	2940	2920	102.62	3	-	**K67**	**DT80K6**
	10.0	1.7	3100	2040	108.29	3	-	**K57**	**DT80K6**
	10.0	2.3	3100	2920	108.03	3	-	**K67**	**DT80K6**
	10.0	2.8	2640	2920	166	3	2	**K67R37**	**DT71D4**
	8.9	1.5	3550	1990	123.85	3	-	**K57**	**DT80K6**
	8.9	2.0	3540	2880	123.54	3	-	**K67**	**DT80K6**
	8.9	2.4	3070	2920	191	3	2	**K67R37**	**DT71D4**
	8.6	1.1	3170	1450	198	3	2	**K47R37**	**DT71D4**
	7.9	1.6	3440	2010	215	3	2	**K57R37**	**DT71D4**
	7.8	2.1	3460	2890	217	3	2	**K67R37**	**DT71D4**
	7.1	3.1	4410	4430	154.02	3	-	**K77**	**DT80K6**
	6.9	1.4	3940	1950	246	3	2	**K57R37**	**DT71D4**
	6.7	3.4	4040	4440	252	3	2	**K77R37**	**DT71D4**
	6.1	1.2	4470	1850	280	3	2	**K57R37**	**DT71D4**
	6.1	1.7	4460	2780	279	3	2	**K67R37**	**DT71D4**
	5.9	2.9	4700	4410	290	3	2	**K77R37**	**DT71D4**
	5.3	1.1	5160	1710	319	3	2	**K57R37**	**DT71D4**
	5.3	1.4	5210	2690	323	3	2	**K67R37**	**DT71D4**
	5.2	2.6	5280	4380	328	3	2	**K77R37**	**DT71D4**
	4.7	1.3	5850	2590	361	3	2	**K67R37**	**DT71D4**
	4.6	2.3	5940	4340	367	3	2	**K77R37**	**DT71D4**
	4.1	1.1	6710	2430	420	3	2	**K67R37**	**DT71D4**
	4.0	2.0	6840	4280	428	3	2	**K77R37**	**DT71D4**
	3.6	3.2	7440	6490	474	3	2	**K87R57**	**DT71D4**
	3.5	1.8	7750	4210	485	3	2	**K77R37**	**DT71D4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.50	**3.1**	1.6	8830	4120	552	3	2	**K77R37**	**DT71D4**
	3.0	2.7	8840	6470	562	3	2	**K87R57**	**DT71D4**
	2.7	1.4	9890	4000	622	3	2	**K77R37**	**DT71D4**
	2.7	2.4	10100	6450	638	3	2	**K87R57**	**DT71D4**
	2.4	1.2	11300	3840	709	3	2	**K77R37**	**DT71D4**
	2.3	2.1	11400	6430	726	3	2	**K87R57**	**DT71D4**
	2.1	1.1	13300	3520	815	3	2	**K77R37**	**DT71D4**
	2.0	1.8	13200	6400	837	3	2	**K87R57**	**DT71D4**
	2.0	2.8	13800	8990	855	3	2	**K97R57**	**DT71D4**
	1.8	1.6	15100	6360	951	3	2	**K87R57**	**DT71D4**
	1.8	2.5	15500	8990	957	3	2	**K97R57**	**DT71D4**
	1.6	1.4	17400	6310	1078	3	2	**K87R57**	**DT71D4**
	1.5	2.1	17900	8990	1102	3	2	**K97R57**	**DT71D4**
	1.4	1.2	19900	6250	1229	3	2	**K87R57**	**DT71D4**
	1.4	1.9	20500	8990	1261	3	2	**K97R57**	**DT71D4**
	1.3	3.4	21100	14600	1336	3	2	**K107R77**	**DT71D4**
	1.2	1.1	22900	6160	1415	3	2	**K87R57**	**DT71D4**
	1.2	1.7	22500	8990	1430	3	2	**K97R57**	**DT71D4**
	1.1	2.9	24500	14600	1554	3	2	**K107R77**	**DT71D4**
	1.0	1.5	25800	8990	1625	3	2	**K97R57**	**DT71D4**
	0.99	2.6	27000	14600	1713	3	2	**K107R77**	**DT71D4**
	0.92	1.3	30100	8990	1856	3	2	**K97R57**	**DT71D4**
	0.88	2.3	30100	14600	1939	3	3	**K107R77**	**DT71D4**
	0.80	1.1	34200	8990	2123	3	2	**K97R57**	**DT71D4**
	0.74	2.0	35400	14600	2286	3	3	**K107R77**	**DT71D4**
	0.65	1.8	40600	14600	2599	3	3	**K107R77**	**DT71D4**
	0.57	1.5	46500	14600	2977	3	3	**K107R77**	**DT71D4**
	0.51	1.4	52100	14600	3358	3	3	**K107R77**	**DT71D4**
	0.51	2.3	50700	18500	3311	3	3	**K127R77**	**DT71D4**
	0.45	1.2	59900	14600	3810	3	3	**K107R77**	**DT71D4**
	0.44	1.9	60100	18400	3889	3	3	**K127R77**	**DT71D4**
	0.39	1.1	68500	14600	4359	3	3	**K107R77**	**DT71D4**
	0.38	1.7	68600	18300	4423	3	3	**K127R77**	**DT71D4**
	0.34	1.5	78600	18200	5027	3	3	**K127R77**	**DT71D4**
	0.29	1.3	90000	18100	5804	3	3	**K127R77**	**DT71D4**
	0.26	1.1	104100	17900	6565	3	3	**K127R77**	**DT71D4**
0.75	**317.0**	8.3	150	615	5.36	3	-	**K37**	**DT80K4**
	292.0	13.0	162	1020	5.81	3	-	**K47**	**DT80K4**
	267.0	7.2	177	645	6.37	3	-	**K37**	**DT80K4**
	250.0	7.0	189	660	6.80	3	-	**K37**	**DT80K4**
	231.0	11.0	205	1100	7.36	3	-	**K47**	**DT80K4**
	214.0	6.2	220	690	7.96	3	-	**K37**	**DT80K4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.75	**199.0**	10.0	240	1150	8.56	3	-	**K47**	**DT80K4**
	191.0	5.7	250	710	8.91	3	-	**K37**	**DT80K4**
	173.0	4.7	275	730	6.37	3	-	**K37**	**DT80N6**
	162.0	4.8	290	745	10.49	3	-	**K37**	**DT80K4**
	140.0	4.2	340	775	12.14	3	-	**K37**	**DT80K4**
	130.0	4.0	365	790	13.08	3	-	**K37**	**DT80K4**
	125.0	8.4	380	1320	13.65	3	-	**K47**	**DT80K4**
	111.0	3.6	425	820	15.31	3	-	**K37**	**DT80K4**
	107.0	7.6	440	1380	15.86	3	-	**K47**	**DT80K4**
	99.0	3.3	475	850	17.15	3	-	**K37**	**DT80K4**
	87.0	6.5	545	1470	19.58	3	-	**K47**	**DT80K4**
	84.0	2.9	560	880	20.19	3	-	**K37**	**DT80K4**
	78.0	5.8	605	1520	21.81	3	-	**K47**	**DT80K4**
	73.0	2.7	650	910	23.36	3	-	**K37**	**DT80K4**
	68.0	2.5	695	920	24.99	3	-	**K37**	**DT80K4**
	59.0	2.2	800	950	28.83	3	-	**K37**	**DT80K4**
	57.0	2.1	830	960	29.96	3	-	**K37**	**DT80K4**
	54.0	4.1	870	1670	31.30	3	-	**K47**	**DT80K4**
	48.0	1.8	990	990	35.57	3	-	**K37**	**DT80K4**
	48.0	3.6	980	1730	35.39	3	-	**K47**	**DT80K4**
	45.0	1.7	1060	1000	37.97	3	-	**K37**	**DT80K4**
	43.0	3.2	1100	1780	39.61	3	-	**K47**	**DT80K4**
	38.0	1.5	1240	1030	44.46	3	-	**K37**	**DT80K4**
	37.0	2.8	1280	1800	46.03	3	-	**K47**	**DT80K4**
	35.0	2.6	1360	1800	48.95	3	-	**K47**	**DT80K4**
	34.0	1.3	1380	1040	49.79	3	-	**K37**	**DT80K4**
	30.0	2.2	1580	1770	56.83	3	-	**K47**	**DT80K4**
	29.0	1.1	1630	1060	58.60	3	-	**K37**	**DT80K4**
	28.0	3.1	1690	2170	60.81	3	-	**K57**	**DT80K4**
	27.0	2.0	1760	1750	63.30	3	-	**K47**	**DT80K4**
	25.0	2.8	1920	2150	69.12	3	-	**K57**	**DT80K4**
	24.0	1.8	1940	1720	69.84	3	-	**K47**	**DT80K4**
	23.0	1.7	2090	1700	75.20	3	-	**K47**	**DT80K4**
	22.0	2.5	2130	2130	76.56	3	-	**K57**	**DT80K4**
	20.0	1.5	2370	1650	85.12	3	-	**K47**	**DT80K4**
	19.0	1.4	2530	1610	90.86	3	-	**K47**	**DT80K4**
	19.0	2.1	2510	2100	90.26	3	-	**K57**	**DT80K4**
	18.0	2.0	2610	2090	60.81	3	-	**K57**	**DT80N6**
	17.0	1.3	2720	1570	63.30	3	-	**K47**	**DT80N6**
	17.0	1.9	2860	2070	102.88	3	-	**K57**	**DT80K4**
	17.0	2.5	2850	2920	102.62	3	-	**K67**	**DT80K4**
	16.0	1.2	2900	1530	104.37	3	-	**K47**	**DT80K4**
	16.0	1.8	3010	2050	108.29	3	-	**K57**	**DT80K4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.75	**16.0**	2.4	3000	2920	108.03	3	-	**K67**	**DT80K4**
	15.0	1.1	3230	1430	75.20	3	-	**K47**	**DT80N6**
	14.0	1.6	3450	2010	123.85	3	-	**K57**	**DT80K4**
	14.0	2.1	3440	2890	123.54	3	-	**K67**	**DT80K4**
	13.0	1.1	3240	1430	131	3	2	**K47R37**	**DT80K4**
	13.0	1.7	3190	2030	129	3	2	**K57R37**	**DT80K4**
	13.0	6.4	3710	6520	86.34	3	-	**K87**	**DT80N6**
	12.0	1.4	3880	1960	90.26	3	-	**K57**	**DT80N6**
	12.0	2.0	3540	2880	144	3	2	**K67R37**	**DT80K4**
	11.0	1.2	4420	1860	102.88	3	-	**K57**	**DT80N6**
	11.0	1.7	4410	2790	102.62	3	-	**K67**	**DT80N6**
	11.0	3.2	4280	4430	154.02	3	-	**K77**	**DT80K4**
	10.0	1.2	4660	1810	108.29	3	-	**K57**	**DT80N6**
	10.0	1.6	4640	2760	108.03	3	-	**K67**	**DT80N6**
	9.7	2.8	4880	4400	113.56	3	-	**K77**	**DT80N6**
	9.7	3.2	4270	4430	175	3	2	**K77R37**	**DT80K4**
	8.9	1.0	5320	1670	123.85	3	-	**K57**	**DT80N6**
	8.9	1.4	5310	2670	123.54	3	-	**K67**	**DT80N6**
	8.7	2.8	4810	4410	195	3	2	**K77R37**	**DT80K4**
	8.6	2.5	5530	4370	128.52	3	-	**K77**	**DT80N6**
	8.1	2.4	5820	4350	135.28	3	-	**K77**	**DT80N6**
	7.9	1.0	5290	1680	215	3	2	**K57R37**	**DT80K4**
	7.8	1.4	5320	2670	217	3	2	**K67R37**	**DT80K4**
	7.7	2.5	5450	4370	221	3	2	**K77R37**	**DT80K4**
	7.1	2.1	6620	4300	154.02	3	-	**K77**	**DT80N6**
	6.9	1.2	6040	2560	246	3	2	**K67R37**	**DT80K4**
	6.7	2.2	6210	4330	252	3	2	**K77R37**	**DT80K4**
	6.3	3.2	7490	6490	174.19	3	-	**K87**	**DT80N6**
	6.1	1.1	6860	2400	279	3	2	**K67R37**	**DT80K4**
	5.9	1.9	7190	4260	290	3	2	**K77R37**	**DT80K4**
	5.8	3.4	7010	6490	294	3	2	**K87R57**	**DT80K4**
	5.6	2.8	8490	6470	197.37	3	-	**K87**	**DT80N6**
	5.2	1.7	8100	4180	328	3	2	**K77R37**	**DT80K4**
	5.2	3.0	7930	6480	330	3	2	**K87R57**	**DT80K4**
	4.6	1.5	9100	4090	367	3	2	**K77R37**	**DT80K4**
	4.6	2.7	9000	6470	373	3	2	**K87R57**	**DT80K4**
	4.0	1.3	10500	3930	428	3	2	**K77R37**	**DT80K4**
	4.0	2.3	10400	6450	426	3	2	**K87R57**	**DT80K4**
	3.6	2.1	11500	6430	474	3	2	**K87R57**	**DT80K4**
	3.5	1.2	11900	3750	485	3	2	**K77R37**	**DT80K4**
	3.4	3.1	12100	8990	504	3	2	**K97R57**	**DT80K4**
	3.1	1.0	13600	3480	552	3	2	**K77R37**	**DT80K4**
	3.0	1.8	13700	6390	562	3	2	**K87R57**	**DT80K4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
0.75	**3.0**	2.7	14100	8990	573	3	2	**K97R57**	**DT80K4**
	2.7	1.6	15600	6350	638	3	2	**K87R57**	**DT80K4**
	2.6	2.4	15800	8990	652	3	2	**K97R57**	**DT80K4**
	2.3	1.4	17700	6310	726	3	2	**K87R57**	**DT80K4**
	2.3	2.1	17900	8990	743	3	2	**K97R57**	**DT80K4**
	2.1	3.7	19200	14600	793	3	2	**K107R77**	**DT80K4**
	2.0	1.2	20400	6240	837	3	2	**K87R57**	**DT80K4**
	2.0	1.8	21200	8990	855	3	2	**K97R57**	**DT80K4**
	1.9	3.3	21300	14600	904	3	2	**K107R77**	**DT80K4**
	1.8	1.1	23300	6150	951	3	2	**K87R57**	**DT80K4**
	1.8	1.6	23700	8990	957	3	2	**K97R57**	**DT80K4**
	1.6	2.9	24500	14600	1030	3	2	**K107R77**	**DT80K4**
	1.5	1.4	27400	8990	1102	3	2	**K97R57**	**DT80K4**
	1.5	2.5	28400	14600	1166	3	2	**K107R77**	**DT80K4**
	1.4	1.2	31300	8990	1261	3	2	**K97R57**	**DT80K4**
	1.3	2.2	32600	14600	1336	3	2	**K107R77**	**DT80K4**
	1.2	1.1	34800	8990	1430	3	2	**K97R57**	**DT80K4**
	1.1	1.9	37900	14600	1554	3	2	**K107R77**	**DT80K4**
	1.1	3.1	37100	18500	1541	3	2	**K127R77**	**DT80K4**
	0.99	1.7	41700	14600	1713	3	2	**K107R77**	**DT80K4**
	0.97	2.7	42600	18500	1757	3	2	**K127R77**	**DT80K4**
	0.88	1.5	46500	14600	1939	3	3	**K107R77**	**DT80K4**
	0.88	2.5	46700	18500	1926	3	2	**K127R77**	**DT80K4**
	0.78	5.6	50710	33750	2182	3	2	**K167R97**	**DT80K4**
	0.74	1.3	54800	14600	2286	3	3	**K107R77**	**DT80K4**
	0.67	7.8	56374	42750	2519	3	2	**K187R97**	**DT80K4**
	0.65	1.2	62600	14600	2599	3	3	**K107R77**	**DT80K4**
	0.65	1.9	61400	18400	2607	3	3	**K127R77**	**DT80K4**
	0.62	4.5	62304	33750	2755	3	3	**K167R97**	**DT80K4**
	0.57	1.0	71800	14600	2977	3	3	**K107R77**	**DT80K4**
	0.56	1.6	71300	18300	3009	3	3	**K127R77**	**DT80K4**
	0.56	2.3	70200	26000	3051	3	3	**K157R97**	**DT80K4**
	0.51	1.5	78700	18200	3311	3	3	**K127R77**	**DT80K4**
	0.50	3.6	77703	33750	3376	3	3	**K167R97**	**DT80K4**
	0.47	5.3	83986	42750	3609	3	2	**K187R97**	**DT80K4**
	0.44	1.3	93000	18100	3889	3	3	**K127R77**	**DT80K4**
	0.43	1.8	91600	25900	3979	3	3	**K157R97**	**DT80K4**
	0.42	3.0	92925	33750	4079	3	3	**K167R97**	**DT80K4**
	0.38	1.1	106000	17900	4423	3	3	**K127R77**	**DT80K4**
	0.32	2.3	121245	33750	5355	3	3	**K167R97**	**DT80K4**
	0.29	1.2	136500	25500	5931	3	3	**K157R97**	**DT80K4**
	0.28	3.3	135405	42750	5991	3	3	**K187R97**	**DT80K4**
	0.26	1.9	151335	33750	6562	3	3	**K167R97**	**DT80K4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages 1) Pri.	Gear Stages 1) Sec.	Model Gear	Model Motor
0.75	**0.25**	1.0	158400	25200	6881	3	3	**K157R97**	**DT80K4**
	0.25	2.9	153990	42750	6747	3	3	**K187R97**	**DT80K4**
	0.23	2.6	169035	42750	7343	3	3	**K187R97**	**DT80K4**
	0.20	1.5	198240	33750	8628	3	3	**K167R97**	**DT80K4**
	0.17	1.2	239835	33750	10264	3	3	**K167R97**	**DT80K4**
	0.15	1.1	272580	33750	11573	3	3	**K167R97**	**DT80K4**
	0.15	1.7	263730	42750	11647	3	3	**K187R97**	**DT80K4**
	0.13	1.5	300015	42750	13116	3	3	**K187R97**	**DT80K4**
	0.12	1.4	328335	42750	14272	3	3	**K187R97**	**DT80K4**
	0.10	1.1	396480	42750	16978	3	3	**K187R97**	**DT80K4**
	0.09	1.0	450465	42390	19144	3	3	**K187R97**	**DT80K4**
1.0	**317.0**	6.2	199	605	5.36	3	-	**K37**	**DT80N4**
	292.0	9.4	215	1010	5.81	3	-	**K47**	**DT80N4**
	267.0	5.4	235	635	6.37	3	-	**K37**	**DT80N4**
	250.0	5.3	250	645	6.80	3	-	**K37**	**DT80N4**
	231.0	8.1	275	1080	7.36	3	-	**K47**	**DT80N4**
	214.0	4.6	295	670	7.96	3	-	**K37**	**DT80N4**
	199.0	7.5	320	1130	8.56	3	-	**K47**	**DT80N4**
	191.0	4.3	330	695	8.91	3	-	**K37**	**DT80N4**
	173.0	3.5	365	710	6.37	3	-	**K37**	**DT90S6**
	162.0	3.6	390	720	10.49	3	-	**K37**	**DT80N4**
	140.0	3.1	450	750	12.14	3	-	**K37**	**DT80N4**
	130.0	3.0	485	760	13.08	3	-	**K37**	**DT80N4**
	125.0	6.3	505	1300	13.65	3	-	**K47**	**DT80N4**
	111.0	2.7	570	790	15.31	3	-	**K37**	**DT80N4**
	107.0	5.7	590	1360	15.86	3	-	**K47**	**DT80N4**
	99.0	2.5	635	810	17.15	3	-	**K37**	**DT80N4**
	87.0	4.9	725	1440	19.58	3	-	**K47**	**DT80N4**
	84.0	2.2	750	840	20.19	3	-	**K37**	**DT80N4**
	78.0	4.4	810	1480	21.81	3	-	**K47**	**DT80N4**
	73.0	2.0	870	860	23.36	3	-	**K37**	**DT80N4**
	71.0	4.0	890	1520	24.06	3	-	**K47**	**DT80N4**
	68.0	1.9	930	870	24.99	3	-	**K37**	**DT80N4**
	66.0	3.7	960	1540	25.91	3	-	**K47**	**DT80N4**
	62.0	5.2	1010	2120	27.34	3	-	**K57**	**DT80N4**
	59.0	1.7	1070	890	28.83	3	-	**K37**	**DT80N4**
	58.0	3.2	1090	1590	29.32	3	-	**K47**	**DT80N4**
	57.0	1.6	1110	890	29.96	3	-	**K37**	**DT80N4**
	54.0	3.0	1160	1620	31.30	3	-	**K47**	**DT80N4**
	48.0	1.4	1320	910	35.57	3	-	**K37**	**DT80N4**
	48.0	2.7	1310	1670	35.39	3	-	**K47**	**DT80N4**
	45.0	1.3	1410	920	37.97	3	-	**K37**	**DT80N4**

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1) Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1.0	**43.0**	2.4	1470	1710	39.61	3	-	**K47**	**DT80N4**
	38.0	1.1	1650	930	44.46	3	-	**K37**	**DT80N4**
	37.0	2.1	1710	1750	46.03	3	-	**K47**	**DT80N4**
	35.0	2.0	1820	1740	48.95	3	-	**K47**	**DT80N4**
	30.0	1.7	2110	1690	56.83	3	-	**K47**	**DT80N4**
	30.0	2.5	2130	2130	57.42	3	-	**K57**	**DT80N4**
	28.0	2.3	2260	2120	60.81	3	-	**K57**	**DT80N4**
	27.0	1.5	2350	1650	63.30	3	-	**K47**	**DT80N4**
	25.0	2.1	2560	2100	69.12	3	-	**K57**	**DT80N4**
	24.0	1.4	2590	1600	69.84	3	-	**K47**	**DT80N4**
	23.0	1.3	2790	1550	75.20	3	-	**K47**	**DT80N4**
	22.0	1.9	2840	2070	76.56	3	-	**K57**	**DT80N4**
	22.0	2.6	2830	2920	76.37	3	-	**K67**	**DT80N4**
	20.0	1.1	3160	1460	85.12	3	-	**K47**	**DT80N4**
	19.0	1.1	3370	1390	90.86	3	-	**K47**	**DT80N4**
	19.0	1.6	3350	2020	90.26	3	-	**K57**	**DT80N4**
	19.0	2.2	3340	2900	90.04	3	-	**K67**	**DT80N4**
	18.0	2.1	3480	2880	60.66	3	-	**K67**	**DT90S6**
	17.0	1.4	3820	1960	102.88	3	-	**K57**	**DT80N4**
	16.0	1.3	4020	1930	108.29	3	-	**K57**	**DT80N4**
	16.0	1.4	3960	1940	69.12	3	-	**K57**	**DT90S6**
	15.0	1.5	3670	1980	111	3	2	**K57R37**	**DT80N4**
	15.0	3.3	4210	4440	113.56	3	-	**K77**	**DT80N4**
	14.0	1.2	4590	1820	123.85	3	-	**K57**	**DT80N4**
	14.0	1.6	4580	2770	123.54	3	-	**K67**	**DT80N4**
	14.0	3.1	4480	4420	78.07	3	-	**K77**	**DT90S6**
	13.0	2.7	5020	4400	135.28	3	-	**K77**	**DT80N4**
	12.0	1.1	5170	1710	90.26	3	-	**K57**	**DT90S6**
	12.0	1.4	5160	2690	90.04	3	-	**K67**	**DT90S6**
	12.0	2.7	5100	4390	88.97	3	-	**K77**	**DT90S6**
	11.0	1.3	5880	2580	102.62	3	-	**K67**	**DT90S6**
	11.0	2.4	5710	4360	154.02	3	-	**K77**	**DT80N4**
	10.0	1.2	6190	2530	108.03	3	-	**K67**	**DT90S6**
	9.7	2.1	6510	4310	113.56	3	-	**K77**	**DT90S6**
	9.7	2.1	6510	4310	113.56	3	-	**K77**	**DT90S6**
	9.7	2.4	5770	4360	175	3	2	**K77R37**	**DT80N4**
	8.9	1.2	6360	2500	191	3	2	**K67R37**	**DT80N4**
	8.7	2.1	6480	4310	195	3	2	**K77R37**	**DT80N4**
	8.6	1.9	7370	4240	128.52	3	-	**K77**	**DT90S6**
	8.1	1.8	7750	4210	135.28	3	-	**K77**	**DT90S6**
	7.7	1.9	7350	4250	221	3	2	**K77R37**	**DT80N4**
	7.5	2.8	8440	6470	147.32	3	-	**K87**	**DT90S6**
	7.2	3.1	7770	6480	236	3	2	**K87R57**	**DT80N4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1.0	**6.8**	2.9	8240	6480	250	3	2	**K87R57**	**DT80N4**
	6.7	1.7	8380	4160	252	3	2	**K77R37**	**DT80N4**
	6.7	2.5	9420	6460	164.34	3	-	**K87**	**DT90S6**
	6.3	2.4	9980	6450	174.19	3	-	**K87**	**DT90S6**
	5.9	1.4	9680	4030	290	3	2	**K77R37**	**DT80N4**
	5.8	2.5	9540	6460	294	3	2	**K87R57**	**DT80N4**
	5.2	1.3	10900	3880	328	3	2	**K77R37**	**DT80N4**
	5.2	2.2	10800	6440	330	3	2	**K87R57**	**DT80N4**
	4.6	1.1	12300	3700	367	3	2	**K77R37**	**DT80N4**
	4.6	2.0	12200	6420	373	3	2	**K87R57**	**DT80N4**
	4.4	3.0	12600	8990	382	3	2	**K97R57**	**DT80N4**
	4.0	1.7	14000	6380	426	3	2	**K87R57**	**DT80N4**
	3.9	2.7	14200	8990	437	3	2	**K97R57**	**DT80N4**
	3.6	1.6	15600	6350	474	3	2	**K87R57**	**DT80N4**
	3.4	2.3	16500	8990	504	3	2	**K97R57**	**DT80N4**
	3.0	1.3	18500	6290	562	3	2	**K87R57**	**DT80N4**
	3.0	2.0	19000	8990	573	3	2	**K97R57**	**DT80N4**
	2.8	3.6	19800	14600	615	3	2	**K107R77**	**DT80N4**
	2.7	1.2	21100	6220	638	3	2	**K87R57**	**DT80N4**
	2.6	1.8	21400	8990	652	3	2	**K97R57**	**DT80N4**
	2.4	3.1	22700	14600	696	3	2	**K107R77**	**DT80N4**
	2.3	1.6	24300	8990	743	3	2	**K97R57**	**DT80N4**
	2.1	2.7	26000	14600	793	3	2	**K107R77**	**DT80N4**
	2.0	1.4	28600	8990	855	3	2	**K97R57**	**DT80N4**
	1.9	2.4	29100	14600	904	3	2	**K107R77**	**DT80N4**
	1.8	1.2	31900	8990	957	3	2	**K97R57**	**DT80N4**
	1.6	2.1	33300	14600	1030	3	2	**K107R77**	**DT80N4**
	1.5	1.1	36800	8990	1102	3	2	**K97R57**	**DT80N4**
	1.5	1.9	38400	14600	1166	3	2	**K107R77**	**DT80N4**
	1.4	3.0	38500	18500	1177	3	2	**K127R77**	**DT80N4**
	1.3	1.6	44000	14600	1336	3	2	**K107R77**	**DT80N4**
	1.3	2.6	44100	18500	1342	3	2	**K127R77**	**DT80N4**
	1.1	1.4	51200	14600	1554	3	2	**K107R77**	**DT80N4**
	1.1	2.3	50400	18500	1541	3	2	**K127R77**	**DT80N4**
	0.99	1.3	56500	14600	1713	3	2	**K107R77**	**DT80N4**
	0.97	2.0	57700	18400	1757	3	2	**K127R77**	**DT80N4**
	0.88	1.2	62900	14600	1939	3	3	**K107R77**	**DT80N4**
	0.88	1.8	63300	18400	1926	3	2	**K127R77**	**DT80N4**
	0.78	4.1	69472	33750	2182	3	2	**K167R97**	**DT80N4**
	0.65	1.4	83400	18200	2607	3	3	**K127R77**	**DT80N4**
	0.62	3.3	85668	33750	2755	3	3	**K167R97**	**DT80N4**
	0.56	1.2	96800	18000	3009	3	3	**K127R77**	**DT80N4**
	0.56	1.7	96100	25900	3051	3	3	**K157R97**	**DT80N4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1.0	**0.51**	1.1	106800	17900	3311	3	3	**K127R77**	**DT80N4**
	0.50	2.7	106200	33750	3376	3	3	**K167R97**	**DT80N4**
	0.47	3.8	115050	42750	3609	3	2	**K187R97**	**DT80N4**
	0.43	1.3	125300	25600	3979	3	3	**K157R97**	**DT80N4**
	0.42	2.2	127440	33750	4079	3	3	**K167R97**	**DT80N4**
	0.32	1.7	166380	33750	5355	3	3	**K167R97**	**DT80N4**
	0.28	2.4	186735	42750	5991	3	3	**K187R97**	**DT80N4**
	0.26	1.4	206205	33750	6562	3	3	**K167R97**	**DT80N4**
	0.25	2.1	211515	42750	6747	3	3	**K187R97**	**DT80N4**
	0.23	1.9	230985	42750	7343	3	3	**K187R97**	**DT80N4**
	0.20	1.1	271695	33750	8628	3	3	**K167R97**	**DT80N4**
	0.15	1.2	361965	42750	11647	3	3	**K187R97**	**DT80N4**
	0.13	1.1	410640	42750	13116	3	3	**K187R97**	**DT80N4**
1.5	**321.0**	4.2	295	580	5.36	3	-	**K37**	**DT90S4**
	296.0	6.4	320	980	5.81	3	-	**K47**	**DT90S4**
	270.0	3.7	350	605	6.37	3	-	**K37**	**DT90S4**
	253.0	3.5	375	615	6.80	3	-	**K37**	**DT90S4**
	234.0	5.5	405	1050	7.36	3	-	**K47**	**DT90S4**
	216.0	3.1	440	635	7.96	3	-	**K37**	**DT90S4**
	201.0	5.1	470	1100	8.56	3	-	**K47**	**DT90S4**
	193.0	2.9	490	655	8.91	3	-	**K37**	**DT90S4**
	178.0	2.4	535	665	6.37	3	-	**K37**	**DT90L6**
	164.0	2.5	575	675	10.49	3	-	**K37**	**DT90S4**
	142.0	2.1	665	695	12.14	3	-	**K37**	**DT90S4**
	131.0	2.0	720	705	13.08	3	-	**K37**	**DT90S4**
	126.0	4.2	750	1250	13.65	3	-	**K47**	**DT90S4**
	113.0	5.7	840	1730	15.22	3	-	**K57**	**DT90S4**
	112.0	1.9	840	725	15.31	3	-	**K37**	**DT90S4**
	108.0	3.8	870	1290	15.86	3	-	**K47**	**DT90S4**
	102.0	3.6	930	1310	16.86	3	-	**K47**	**DT90S4**
	100.0	1.7	940	735	17.15	3	-	**K37**	**DT90S4**
	98.0	5.1	970	1810	17.57	3	-	**K57**	**DT90S4**
	93.0	1.4	1020	745	12.14	3	-	**K37**	**DT90L6**
	88.0	3.3	1080	1360	19.58	3	-	**K47**	**DT90S4**
	85.0	1.5	1110	750	20.19	3	-	**K37**	**DT90S4**
	79.0	3.0	1200	1400	21.81	3	-	**K47**	**DT90S4**
	76.0	4.2	1250	1930	22.71	3	-	**K57**	**DT90S4**
	74.0	1.4	1280	760	23.36	3	-	**K37**	**DT90S4**
	71.0	2.7	1320	1430	24.06	3	-	**K47**	**DT90S4**
	69.0	1.3	1370	760	24.99	3	-	**K37**	**DT90S4**
	66.0	2.5	1420	1450	25.91	3	-	**K47**	**DT90S4**
	63.0	3.5	1500	2030	27.34	3	-	**K57**	**DT90S4**
	59.0	2.2	1610	1480	29.32	3	-	**K47**	**DT90S4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1.5	**57.0**	1.1	1650	765	29.96	3	-	**K37**	**DT90S4**
	55.0	2.1	1720	1500	31.30	3	-	**K47**	**DT90S4**
	52.0	2.0	1830	1520	21.81	3	-	**K47**	**DT90L6**
	49.0	1.8	1950	1540	35.39	3	-	**K47**	**DT90S4**
	48.0	2.7	1960	2150	35.70	3	-	**K57**	**DT90S4**
	45.0	2.5	2120	2140	38.49	3	-	**K57**	**DT90S4**
	43.0	1.6	2180	1560	39.61	3	-	**K47**	**DT90S4**
	39.0	2.2	2440	2110	44.43	3	-	**K57**	**DT90S4**
	37.0	1.4	2530	1600	46.03	3	-	**K47**	**DT90S4**
	36.0	1.4	2620	1590	31.30	3	-	**K47**	**DT90L6**
	35.0	1.3	2690	1580	48.95	3	-	**K47**	**DT90S4**
	35.0	2.0	2690	2080	48.89	3	-	**K57**	**DT90S4**
	32.0	1.2	2960	1510	35.39	3	-	**K47**	**DT90L6**
	32.0	1.8	2990	2050	35.70	3	-	**K57**	**DT90L6**
	32.0	2.4	2980	2920	35.62	3	-	**K67**	**DT90L6**
	30.0	1.2	3130	1470	56.83	3	-	**K47**	**DT90S4**
	30.0	1.7	3160	2040	57.42	3	-	**K57**	**DT90S4**
	30.0	2.3	3150	2910	57.28	3	-	**K67**	**DT90S4**
	28.0	1.6	3340	2020	60.81	3	-	**K57**	**DT90S4**
	28.0	2.2	3340	2900	60.66	3	-	**K67**	**DT90S4**
	27.0	1.0	3480	1350	63.30	3	-	**K47**	**DT90S4**
	25.0	1.4	3800	1970	69.12	3	-	**K57**	**DT90S4**
	25.0	2.0	3710	2860	44.32	3	-	**K67**	**DT90L6**
	23.0	1.8	4200	2810	76.37	3	-	**K67**	**DT90S4**
	23.0	3.4	4070	4440	73.99	3	-	**K77**	**DT90S4**
	22.0	1.3	4210	1900	76.56	3	-	**K57**	**DT90S4**
	22.0	3.2	4290	4430	78.07	3	-	**K77**	**DT90S4**
	19.0	1.1	4960	1750	90.26	3	-	**K57**	**DT90S4**
	19.0	1.5	4950	2720	90.04	3	-	**K67**	**DT90S4**
	19.0	2.8	4890	4400	88.97	3	-	**K77**	**DT90S4**
	18.0	2.6	5340	4380	97.05	3	-	**K77**	**DT90S4**
	17.0	1.3	5640	2620	102.62	3	-	**K67**	**DT90S4**
	16.0	1.2	5940	2580	108.03	3	-	**K67**	**DT90S4**
	15.0	1.2	6390	2500	76.37	3	-	**K67**	**DT90L6**
	15.0	2.2	6240	4330	113.56	3	-	**K77**	**DT90S4**
	14.0	1.2	6090	2550	122	3	2	**K67R37**	**DT90S4**
	14.0	2.1	6530	4310	78.07	3	-	**K77**	**DT90L6**
	13.0	1.9	7440	4240	135.28	3	-	**K77**	**DT90S4**
	13.0	2.0	7070	4270	128.52	3	-	**K77**	**DT90S4**
	12.0	1.0	7180	2330	144	3	2	**K67R37**	**DT90S4**
	12.0	1.7	8120	4180	97.05	3	-	**K77**	**DT90L6**
	12.0	3.0	8100	6480	147.32	3	-	**K87**	**DT90S4**
	11.0	1.8	7650	4220	154	3	2	**K77R37**	**DT90S4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1.5	**11.0**	2.8	8600	6470	102.71	3	-	**K87**	**DT90L6**
	10.0	2.6	9040	6470	164.34	3	-	**K87**	**DT90S4**
	9.9	1.5	9500	4050	113.56	3	-	**K77**	**DT90L6**
	9.8	2.5	9690	6460	115.82	3	-	**K87**	**DT90L6**
	9.4	2.7	9000	6470	183	3	2	**K87R57**	**DT90S4**
	8.9	2.2	10600	6440	126.91	3	-	**K87**	**DT90L6**
	8.8	1.3	10800	3900	128.52	3	-	**K77**	**DT90L6**
	8.8	1.4	9720	4020	195	3	2	**K77R37**	**DT90S4**
	8.6	2.4	9920	6450	201	3	2	**K87R57**	**DT90S4**
	8.4	1.2	11300	3830	135.28	3	-	**K77**	**DT90L6**
	7.8	1.3	11000	3870	221	3	2	**K77R37**	**DT90S4**
	7.7	2.0	12300	6420	147.32	3	-	**K87**	**DT90L6**
	7.3	2.0	11700	6430	236	3	2	**K87R57**	**DT90S4**
	6.9	1.8	13800	6390	164.34	3	-	**K87**	**DT90L6**
	6.9	2.0	12400	6410	250	3	2	**K87R57**	**DT90S4**
	6.8	1.1	12600	3650	252	3	2	**K77R37**	**DT90S4**
	6.5	1.7	14600	6370	174.19	3	-	**K87**	**DT90L6**
	6.4	2.6	14700	8990	176.05	3	-	**K97**	**DT90L6**
	5.9	1.7	14400	6380	294	3	2	**K87R57**	**DT90S4**
	5.6	2.5	15100	8990	305	3	2	**K97R57**	**DT90S4**
	5.2	1.5	16200	6340	330	3	2	**K87R57**	**DT90S4**
	5.0	2.3	16700	8990	342	3	2	**K97R57**	**DT90S4**
	4.6	1.3	18400	6290	373	3	2	**K87R57**	**DT90S4**
	4.5	2.0	18900	8990	382	3	2	**K97R57**	**DT90S4**
	4.2	3.6	19800	14600	408	3	2	**K107R77**	**DT90S4**
	4.0	1.2	21100	6220	426	3	2	**K87R57**	**DT90S4**
	3.9	1.8	21400	8990	437	3	2	**K97R57**	**DT90S4**
	3.7	3.2	22400	14600	461	3	2	**K107R77**	**DT90S4**
	3.6	1.0	23500	6150	474	3	2	**K87R57**	**DT90S4**
	3.4	1.6	24800	8990	504	3	2	**K97R57**	**DT90S4**
	3.3	2.8	25400	14600	522	3	2	**K107R77**	**DT90S4**
	3.0	1.4	28500	8990	573	3	2	**K97R57**	**DT90S4**
	2.8	2.4	30000	14600	615	3	2	**K107R77**	**DT90S4**
	2.6	1.2	32200	8990	652	3	2	**K97R57**	**DT90S4**
	2.5	2.1	34300	14600	696	3	2	**K107R77**	**DT90S4**
	2.4	3.3	34600	18500	704	3	2	**K127R77**	**DT90S4**
	2.3	1.1	36700	8990	743	3	2	**K97R57**	**DT90S4**
	2.2	1.8	39200	14600	793	3	2	**K107R77**	**DT90S4**
	2.2	3.0	38300	18500	790	3	2	**K127R77**	**DT90S4**
	1.9	1.6	44100	14600	904	3	2	**K107R77**	**DT90S4**
	1.9	2.6	44300	18500	899	3	2	**K127R77**	**DT90S4**
	1.7	1.4	50400	14600	1030	3	2	**K107R77**	**DT90S4**
	1.7	2.3	50700	18500	1025	3	2	**K127R77**	**DT90S4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
1.5	**1.5**	1.2	57800	14600	1166	3	2	**K107R77**	**DT90S4**
	1.5	2.0	58000	18400	1177	3	2	**K127R77**	**DT90S4**
	1.4	2.7	58100	26100	1229	3	2	**K157R97**	**DT90S4**
	1.3	1.1	66200	14600	1336	3	2	**K107R77**	**DT90S4**
	1.3	1.8	66300	18300	1342	3	2	**K127R77**	**DT90S4**
	1.3	2.5	64900	26000	1365	3	2	**K157R97**	**DT90S4**
	1.2	4.2	66817	33750	1408	3	2	**K167R97**	**DT90S4**
	1.1	1.5	76000	18300	1541	3	2	**K127R77**	**DT90S4**
	1.1	5.9	74428	42750	1605	3	2	**K187R97**	**DT90S4**
	1.0	2.0	79700	26000	1659	3	2	**K157R97**	**DT90S4**
	0.98	1.3	86900	18100	1757	3	2	**K127R77**	**DT90S4**
	0.89	1.2	95300	18100	1926	3	2	**K127R77**	**DT90S4**
	0.85	4.7	95580	42750	2054	3	2	**K187R97**	**DT90S4**
	0.80	2.7	104430	33750	2182	3	2	**K167R97**	**DT90S4**
	0.77	4.2	106200	42750	2268	3	2	**K187R97**	**DT90S4**
	0.76	1.1	109400	17900	2268	3	3	**K127R77**	**DT90S4**
	0.74	1.5	109100	25700	2322	3	3	**K157R97**	**DT90S4**
	0.69	3.7	118590	42750	2519	3	2	**K187R97**	**DT90S4**
	0.66	1.3	122600	25600	2610	3	3	**K157R97**	**DT90S4**
	0.63	2.2	129210	33750	2755	3	3	**K167R97**	**DT90S4**
	0.57	3.0	145140	42750	3062	3	2	**K187R97**	**DT90S4**
	0.56	1.1	145900	25400	3051	3	3	**K157R97**	**DT90S4**
	0.52	1.8	159300	33750	3376	3	3	**K167R97**	**DT90S4**
	0.48	2.6	172575	42750	3609	3	2	**K187R97**	**DT90S4**
	0.43	1.5	192045	33750	4079	3	3	**K167R97**	**DT90S4**
	0.40	2.2	202665	42750	4370	3	3	**K187R97**	**DT90S4**
	0.36	1.3	223020	33750	4788	3	3	**K167R97**	**DT90S4**
	0.36	2.0	223905	42750	4817	3	3	**K187R97**	**DT90S4**
	0.32	1.2	251340	33750	5355	3	3	**K167R97**	**DT90S4**
	0.32	1.8	249570	42750	5358	3	3	**K187R97**	**DT90S4**
	0.29	1.6	280545	42750	5991	3	3	**K187R97**	**DT90S4**
	0.26	1.4	317715	42750	6747	3	3	**K187R97**	**DT90S4**
	0.24	1.3	346920	42750	7343	3	3	**K187R97**	**DT90S4**
	0.21	1.2	374355	42750	8126	3	3	**K187R97**	**DT90S4**
	0.19	1.0	434535	42750	9363	3	3	**K187R97**	**DT90S4**
2.0	**321.0**	3.2	395	555	5.36	3	-	**K37**	**DT90L4**
	296.0	4.8	425	960	5.81	3	-	**K47**	**DT90L4**
	270.0	2.8	465	575	6.37	3	-	**K37**	**DT90L4**
	253.0	2.7	500	585	6.80	3	-	**K37**	**DT90L4**
	234.0	4.1	540	1020	7.36	3	-	**K47**	**DT90L4**
	216.0	2.3	585	605	7.96	3	-	**K37**	**DT90L4**
	201.0	3.8	625	1060	8.56	3	-	**K47**	**DT90L4**
	193.0	2.2	655	615	8.91	3	-	**K37**	**DT90L4**

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Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
2.0	**189.0**	3.7	665	1080	9.10	3	-	**K47**	**DT90L4**
	179.0	5.1	705	1470	9.59	3	-	**K57**	**DT90L4**
	176.0	1.8	715	625	6.37	3	-	**K37**	**DT100L6**
	164.0	1.9	770	630	10.49	3	-	**K37**	**DT90L4**
	163.0	3.2	775	1120	10.56	3	-	**K47**	**DT90L4**
	153.0	4.4	830	1540	11.26	3	-	**K57**	**DT90L4**
	146.0	2.9	860	1150	11.77	3	-	**K47**	**DT90L4**
	142.0	1.6	890	645	12.14	3	-	**K37**	**DT90L4**
	141.0	3.5	890	1170	12.19	3	-	**K47**	**DT90L4**
	131.0	1.5	960	650	13.08	3	-	**K37**	**DT90L4**
	126.0	3.2	1000	1200	13.65	3	-	**K47**	**DT90L4**
	113.0	4.2	1120	1690	15.22	3	-	**K57**	**DT90L4**
	112.0	1.4	1120	660	15.31	3	-	**K37**	**DT90L4**
	108.0	2.9	1160	1240	15.86	3	-	**K47**	**DT90L4**
	102.0	2.7	1240	1250	16.86	3	-	**K47**	**DT90L4**
	100.0	1.3	1260	660	17.15	3	-	**K37**	**DT90L4**
	98.0	3.8	1290	1750	17.57	3	-	**K57**	**DT90L4**
	95.0	1.9	1320	1260	11.77	3	-	**K47**	**DT100L6**
	88.0	2.5	1440	1290	19.58	3	-	**K47**	**DT90L4**
	85.0	1.1	1480	665	20.19	3	-	**K37**	**DT90L4**
	79.0	2.2	1600	1320	21.81	3	-	**K47**	**DT90L4**
	76.0	3.2	1670	1860	22.71	3	-	**K57**	**DT90L4**
	74.0	1.0	1710	660	23.36	3	-	**K37**	**DT90L4**
	71.0	2.0	1760	1340	24.06	3	-	**K47**	**DT90L4**
	66.0	1.9	1900	1360	25.91	3	-	**K47**	**DT90L4**
	63.0	2.7	2000	1940	27.34	3	-	**K57**	**DT90L4**
	59.0	1.7	2150	1380	29.32	3	-	**K47**	**DT90L4**
	57.0	2.4	2220	1990	30.28	3	-	**K57**	**DT90L4**
	55.0	1.6	2300	1390	31.30	3	-	**K47**	**DT90L4**
	49.0	1.4	2600	1410	35.39	3	-	**K47**	**DT90L4**
	48.0	2.0	2620	2050	35.70	3	-	**K57**	**DT90L4**
	45.0	1.9	2820	2070	38.49	3	-	**K57**	**DT90L4**
	45.0	2.5	2810	2920	38.39	3	-	**K67**	**DT90L4**
	43.0	1.2	2900	1420	39.61	3	-	**K47**	**DT90L4**
	39.0	1.7	3260	2030	44.43	3	-	**K57**	**DT90L4**
	39.0	2.2	3250	2900	44.32	3	-	**K67**	**DT90L4**
	37.0	1.1	3380	1390	46.03	3	-	**K47**	**DT90L4**
	35.0	1.0	3590	1310	48.95	3	-	**K47**	**DT90L4**
	35.0	1.5	3580	1990	48.89	3	-	**K57**	**DT90L4**
	35.0	2.0	3580	2880	48.77	3	-	**K67**	**DT90L4**
	34.0	3.7	3750	4450	51.18	3	-	**K77**	**DT90L4**
	30.0	1.3	4210	1900	57.42	3	-	**K57**	**DT90L4**
	30.0	1.8	4200	2810	57.28	3	-	**K67**	**DT90L4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
2.0	**29.0**	3.2	4280	4430	58.34	3	-	**K77**	**DT90L4**
	28.0	1.2	4460	1850	60.81	3	-	**K57**	**DT90L4**
	28.0	1.7	4450	2790	60.66	3	-	**K67**	**DT90L4**
	27.0	2.9	4750	4410	64.75	3	-	**K77**	**DT90L4**
	25.0	1.1	5070	1730	69.12	3	-	**K57**	**DT90L4**
	25.0	1.5	5050	2710	68.95	3	-	**K67**	**DT90L4**
	25.0	2.7	5080	4390	45.16	3	-	**K77**	**DT100L6**
	23.0	1.3	5600	2630	76.37	3	-	**K67**	**DT90L4**
	23.0	2.5	5420	4380	73.99	3	-	**K77**	**DT90L4**
	22.0	2.4	5720	4360	78.07	3	-	**K77**	**DT90L4**
	19.0	1.1	6600	2460	90.04	3	-	**K67**	**DT90L4**
	19.0	2.1	6520	4310	88.97	3	-	**K77**	**DT90L4**
	18.0	1.1	6830	2410	60.66	3	-	**K67**	**DT100L6**
	18.0	2.0	7120	4260	97.05	3	-	**K77**	**DT90L4**
	17.0	3.2	7530	6480	102.71	3	-	**K87**	**DT90L4**
	15.0	1.7	8330	4160	113.56	3	-	**K77**	**DT90L4**
	15.0	2.8	8490	6470	115.82	3	-	**K87**	**DT90L4**
	14.0	1.6	8790	4120	78.07	3	-	**K77**	**DT100L6**
	14.0	2.6	9300	6460	126.91	3	-	**K87**	**DT90L4**
	13.0	1.4	9920	4000	135.28	3	-	**K77**	**DT90L4**
	13.0	2.5	9720	6460	86.34	3	-	**K87**	**DT100L6**
	12.0	1.3	10900	3880	97.05	3	-	**K77**	**DT100L6**
	12.0	2.2	10800	6440	147.32	3	-	**K87**	**DT90L4**
	11.0	1.4	10300	3960	154	3	2	**K77R37**	**DT90L4**
	11.0	2.1	11600	6430	102.71	3	-	**K87**	**DT100L6**
	10.0	2.0	12000	6420	164.34	3	-	**K87**	**DT90L4**
	9.9	1.1	12800	3610	113.56	3	-	**K77**	**DT100L6**
	9.7	1.9	13000	6400	115.82	3	-	**K87**	**DT100L6**
	9.4	2.0	12100	6420	183	3	2	**K87R57**	**DT90L4**
	9.0	2.7	14000	8990	123.93	3	-	**K97**	**DT100L6**
	8.8	1.1	13000	3570	195	3	2	**K77R37**	**DT90L4**
	8.8	1.7	14300	6380	126.91	3	-	**K87**	**DT100L6**
	8.6	1.8	13300	6400	201	3	2	**K87R57**	**DT90L4**
	8.6	2.9	13200	8990	199	3	2	**K97R57**	**DT90L4**
	8.0	2.4	15800	8990	140.28	3	-	**K97**	**DT100L6**
	7.6	1.5	16600	6330	147.32	3	-	**K87**	**DT100L6**
	7.4	2.5	15400	8990	232	3	2	**K97R57**	**DT90L4**
	7.3	1.5	15700	6350	236	3	2	**K87R57**	**DT90L4**
	7.3	2.2	17300	8990	153.21	3	-	**K97**	**DT100L6**
	6.9	1.5	16600	6330	250	3	2	**K87R57**	**DT90L4**
	6.7	2.2	17100	8990	258	3	2	**K97R57**	**DT90L4**
	6.4	1.9	19800	8990	176.05	3	-	**K97**	**DT100L6**
	6.0	3.8	18900	14600	286	3	2	**K107R77**	**DT90L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
2.0	**5.9**	1.3	19400	6260	294	3	2	**K87R57**	**DT90L4**
	5.6	1.9	20300	8990	305	3	2	**K97R57**	**DT90L4**
	5.4	3.4	21000	14600	318	3	2	**K107R77**	**DT90L4**
	5.2	1.1	21900	6190	330	3	2	**K87R57**	**DT90L4**
	5.0	1.7	22600	8990	342	3	2	**K97R57**	**DT90L4**
	4.7	3.0	24000	14600	364	3	2	**K107R77**	**DT90L4**
	4.5	1.5	25400	8990	382	3	2	**K97R57**	**DT90L4**
	4.2	2.7	26700	14600	408	3	2	**K107R77**	**DT90L4**
	3.9	1.3	28900	8990	437	3	2	**K97R57**	**DT90L4**
	3.7	2.3	30200	14600	461	3	2	**K107R77**	**DT90L4**
	3.4	1.2	33400	8990	504	3	2	**K97R57**	**DT90L4**
	3.3	2.1	34300	14600	522	3	2	**K107R77**	**DT90L4**
	3.1	3.2	36200	18500	549	3	2	**K127R77**	**DT90L4**
	3.0	1.0	38200	8990	573	3	2	**K97R57**	**DT90L4**
	2.8	1.8	40400	14600	615	3	2	**K107R77**	**DT90L4**
	2.8	2.9	40100	18500	610	3	2	**K127R77**	**DT90L4**
	2.5	1.6	46100	14600	696	3	2	**K107R77**	**DT90L4**
	2.4	2.5	46500	18500	704	3	2	**K127R77**	**DT90L4**
	2.2	1.4	52700	14600	793	3	2	**K107R77**	**DT90L4**
	2.2	2.2	51700	18400	790	3	2	**K127R77**	**DT90L4**
	1.9	1.2	59400	14600	904	3	2	**K107R77**	**DT90L4**
	1.9	2.0	59600	18400	899	3	2	**K127R77**	**DT90L4**
	1.8	2.6	60500	26100	942	3	2	**K157R97**	**DT90L4**
	1.7	1.1	67900	14600	1030	3	2	**K107R77**	**DT90L4**
	1.7	1.7	68100	18300	1025	3	2	**K127R77**	**DT90L4**
	1.6	2.3	70200	26000	1093	3	2	**K157R97**	**DT90L4**
	1.5	1.5	78000	18200	1177	3	2	**K127R77**	**DT90L4**
	1.4	2.0	79000	26000	1229	3	2	**K157R97**	**DT90L4**
	1.3	1.3	89100	18100	1342	3	2	**K127R77**	**DT90L4**
	1.3	1.8	88100	25900	1365	3	2	**K157R97**	**DT90L4**
	1.3	3.4	84075	33750	1296	3	2	**K167R97**	**DT90L4**
	1.2	3.1	91155	33750	1408	3	2	**K167R97**	**DT90L4**
	1.1	1.2	102200	18000	1541	3	2	**K127R77**	**DT90L4**
	1.1	4.3	102660	42750	1605	3	2	**K187R97**	**DT90L4**
	1.0	1.5	107900	25800	1659	3	2	**K157R97**	**DT90L4**
	1.0	2.6	110625	33750	1704	3	2	**K167R97**	**DT90L4**
	0.98	1.0	116700	17800	1757	3	2	**K127R77**	**DT90L4**
	0.94	3.8	115935	42750	1821	3	2	**K187R97**	**DT90L4**
	0.84	3.4	130980	42750	2054	3	2	**K187R97**	**DT90L4**
	0.79	2.0	142485	33750	2182	3	2	**K167R97**	**DT90L4**
	0.76	3.0	146025	42750	2268	3	2	**K187R97**	**DT90L4**
	0.74	1.1	148000	25400	2322	3	3	**K157R97**	**DT90L4**
	0.68	2.7	162840	42750	2519	3	2	**K187R97**	**DT90L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
2.0	**0.62**	1.6	177000	33750	2755	3	3	**K167R97**	**DT90L4**
	0.56	2.2	199125	42750	3062	3	2	**K187R97**	**DT90L4**
	0.51	1.3	217710	33750	3376	3	3	**K167R97**	**DT90L4**
	0.48	1.9	236295	42750	3609	3	2	**K187R97**	**DT90L4**
	0.42	1.1	262845	33750	4079	3	3	**K167R97**	**DT90L4**
	0.39	1.6	278775	42750	4370	3	3	**K187R97**	**DT90L4**
	0.36	1.5	307095	42750	4817	3	3	**K187R97**	**DT90L4**
	0.32	1.3	342495	42750	5358	3	3	**K187R97**	**DT90L4**
	0.29	1.2	384975	42750	5991	3	3	**K187R97**	**DT90L4**
	0.25	1.0	434535	42750	6747	3	3	**K187R97**	**DT90L4**
3.0	**321.0**	2.1	590	510	5.36	3	-	**K37**	**DT100LS4**
	296.0	3.2	640	920	5.81	3	-	**K47**	**DT100LS4**
	270.0	1.9	700	525	6.37	3	-	**K37**	**DT100LS4**
	261.0	2.9	725	940	6.58	3	-	**K47**	**DT100LS4**
	253.0	1.8	750	530	6.80	3	-	**K37**	**DT100LS4**
	234.0	2.7	810	970	7.36	3	-	**K47**	**DT100LS4**
	216.0	1.6	880	535	7.96	3	-	**K37**	**DT100LS4**
	201.0	2.5	940	1000	8.56	3	-	**K47**	**DT100LS4**
	193.0	1.5	980	540	8.91	3	-	**K37**	**DT100LS4**
	189.0	2.5	1000	1010	9.10	3	-	**K47**	**DT100LS4**
	179.0	3.4	1050	1410	9.59	3	-	**K57**	**DT100LS4**
	164.0	1.3	1150	545	10.49	3	-	**K37**	**DT100LS4**
	163.0	2.1	1160	1040	10.56	3	-	**K47**	**DT100LS4**
	153.0	3.0	1240	1460	11.26	3	-	**K57**	**DT100LS4**
	146.0	1.9	1290	1060	11.77	3	-	**K47**	**DT100LS4**
	141.0	2.3	1340	1080	12.19	3	-	**K47**	**DT100LS4**
	131.0	1.0	1440	540	13.08	3	-	**K37**	**DT100LS4**
	126.0	2.1	1500	1100	13.65	3	-	**K47**	**DT100LS4**
	113.0	2.8	1670	1600	15.22	3	-	**K57**	**DT100LS4**
	108.0	2.0	1740	1130	15.86	3	-	**K47**	**DT100LS4**
	102.0	1.8	1850	1140	16.86	3	-	**K47**	**DT100LS4**
	98.0	2.5	1930	1640	17.57	3	-	**K57**	**DT100LS4**
	89.0	2.4	2130	1680	19.34	3	-	**K57**	**DT100LS4**
	88.0	1.7	2150	1150	19.58	3	-	**K47**	**DT100LS4**
	79.0	1.5	2400	1160	21.81	3	-	**K47**	**DT100LS4**
	76.0	2.1	2500	1730	22.71	3	-	**K57**	**DT100LS4**
	72.0	2.0	2650	1740	24.05	3	-	**K57**	**DT100LS4**
	66.0	1.3	2850	1170	25.91	3	-	**K47**	**DT100LS4**
	63.0	1.8	3010	1780	27.34	3	-	**K57**	**DT100LS4**
	63.0	2.4	3000	2920	27.28	3	-	**K67**	**DT100LS4**
	57.0	1.6	3330	1800	30.28	3	-	**K57**	**DT100LS4**
	57.0	2.2	3320	2900	30.22	3	-	**K67**	**DT100LS4**
	49.0	3.5	3870	4450	35.20	3	-	**K77**	**DT100LS4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
3.0	**48.0**	1.4	3930	1840	35.70	3	-	**K57**	**DT100LS4**
	45.0	1.3	4230	1850	38.49	3	-	**K57**	**DT100LS4**
	45.0	1.7	4220	2810	38.39	3	-	**K67**	**DT100LS4**
	45.0	3.1	4220	4440	38.39	3	-	**K77**	**DT100LS4**
	43.0	3.1	4400	4430	40.04	3	-	**K77**	**DT100LS4**
	42.0	1.6	4520	2780	27.28	3	-	**K67**	**DV112M6**
	39.0	1.1	4890	1760	44.43	3	-	**K57**	**DT100LS4**
	39.0	1.5	4870	2730	44.32	3	-	**K67**	**DT100LS4**
	38.0	2.8	4970	4400	45.16	3	-	**K77**	**DT100LS4**
	35.0	1.0	5380	1660	48.89	3	-	**K57**	**DT100LS4**
	35.0	1.4	5360	2670	48.77	3	-	**K67**	**DT100LS4**
	34.0	2.4	5630	4360	51.18	3	-	**K77**	**DT100LS4**
	30.0	1.2	6300	2510	57.28	3	-	**K67**	**DT100LS4**
	29.0	2.1	6420	4310	58.34	3	-	**K77**	**DT100LS4**
	28.0	1.1	6670	2440	60.66	3	-	**K67**	**DT100LS4**
	27.0	2.0	7120	4260	64.75	3	-	**K77**	**DT100LS4**
	26.0	1.0	7350	2290	44.32	3	-	**K67**	**DV112M6**
	25.0	1.9	7490	4230	45.16	3	-	**K77**	**DV112M6**
	24.0	3.1	7750	6480	70.46	3	-	**K87**	**DT100LS4**
	23.0	1.7	8140	4180	73.99	3	-	**K77**	**DT100LS4**
	22.0	1.6	8590	4140	78.07	3	-	**K77**	**DT100LS4**
	22.0	2.7	8730	6470	79.34	3	-	**K87**	**DT100LS4**
	20.0	2.5	9500	6460	86.34	3	-	**K87**	**DT100LS4**
	19.0	1.4	9790	4020	88.97	3	-	**K77**	**DT100LS4**
	18.0	1.3	10700	3910	97.05	3	-	**K77**	**DT100LS4**
	17.0	2.1	11300	6430	102.71	3	-	**K87**	**DT100LS4**
	16.0	2.0	11700	6430	70.46	3	-	**K87**	**DV112M6**
	15.0	1.1	12500	3660	113.56	3	-	**K77**	**DT100LS4**
	15.0	1.9	12700	6410	115.82	3	-	**K87**	**DT100LS4**
	15.0	2.9	12900	8990	77.89	3	-	**K97**	**DV112M6**
	14.0	1.7	14000	6390	126.91	3	-	**K87**	**DT100LS4**
	14.0	2.8	13600	8990	123.93	3	-	**K97**	**DT100LS4**
	13.0	1.7	14300	6380	86.34	3	-	**K87**	**DV112M6**
	13.0	2.7	14400	8990	86.52	3	-	**K97**	**DV112M6**
	12.0	1.5	16200	6340	147.32	3	-	**K87**	**DT100LS4**
	12.0	2.5	15400	8990	140.28	3	-	**K97**	**DT100LS4**
	11.0	1.4	17000	6320	102.71	3	-	**K87**	**DV112M6**
	11.0	2.3	16900	8990	153.21	3	-	**K97**	**DT100LS4**
	9.8	1.3	19200	6270	115.82	3	-	**K87**	**DV112M6**
	9.8	2.0	19400	8990	176.05	3	-	**K97**	**DT100LS4**
	9.4	1.3	18300	6290	183	3	2	**K87R57**	**DT100LS4**
	9.4	3.5	20200	14600	121.46	3	-	**K107**	**DV112M6**
	9.2	1.9	20600	8990	123.93	3	-	**K97**	**DV112M6**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
3.0	**9.0**	1.2	21100	6220	126.91	3	-	**K87**	**DV112M6**
	8.8	3.6	19500	14600	196	3	2	**K107R77**	**DT100LS4**
	8.6	1.2	20200	6240	201	3	2	**K87R57**	**DT100LS4**
	8.6	1.9	20000	8990	199	3	2	**K97R57**	**DT100LS4**
	8.1	1.7	23300	8990	140.28	3	-	**K97**	**DV112M6**
	7.9	3.0	23800	14600	143.47	3	-	**K107**	**DV112M6**
	7.8	3.2	22100	14600	222	3	2	**K107R77**	**DT100LS4**
	7.4	1.5	25400	8990	153.21	3	-	**K97**	**DV112M6**
	7.3	1.0	23700	6140	236	3	2	**K87R57**	**DT100LS4**
	6.8	2.8	25100	14600	251	3	2	**K107R77**	**DT100LS4**
	6.7	1.5	25900	8990	258	3	2	**K97R57**	**DT100LS4**
	6.0	2.5	28600	14600	286	3	2	**K107R77**	**DT100LS4**
	5.6	1.3	30700	8990	305	3	2	**K97R57**	**DT100LS4**
	5.4	2.2	31800	14600	318	3	2	**K107R77**	**DT100LS4**
	5.0	1.1	34200	8990	342	3	2	**K97R57**	**DT100LS4**
	4.7	2.0	36400	14600	364	3	2	**K107R77**	**DT100LS4**
	4.5	1.0	38400	8990	382	3	2	**K97R57**	**DT100LS4**
	4.2	1.8	40600	14600	408	3	2	**K107R77**	**DT100LS4**
	4.1	2.8	41800	18500	418	3	2	**K127R77**	**DT100LS4**
	3.7	1.6	45800	14600	461	3	2	**K107R77**	**DT100LS4**
	3.6	2.4	47500	18500	477	3	2	**K127R77**	**DT100LS4**
	3.3	1.4	52000	14600	522	3	2	**K107R77**	**DT100LS4**
	3.1	2.1	54900	18400	549	3	2	**K127R77**	**DT100LS4**
	3.0	2.9	55300	26100	567	3	2	**K157R97**	**DT100LS4**
	2.8	1.2	61400	14600	615	3	2	**K107R77**	**DT100LS4**
	2.8	1.9	60900	18400	610	3	2	**K127R77**	**DT100LS4**
	2.8	7.3	60357	42750	621	3	2	**K187R97**	**DT100LS4**
	2.7	4.6	61684	33750	632	3	2	**K167R97**	**DT100LS4**
	2.5	1.0	69800	14600	696	3	2	**K107R77**	**DT100LS4**
	2.4	1.7	70500	18300	704	3	2	**K127R77**	**DT100LS4**
	2.3	2.2	73100	26000	756	3	2	**K157R97**	**DT100LS4**
	2.2	1.5	78600	18200	790	3	2	**K127R77**	**DT100LS4**
	2.1	5.5	80181	42750	835	3	2	**K187R107**	**DT100LS4**
	2.0	1.9	83600	25900	854	3	2	**K157R97**	**DT100LS4**
	2.0	3.5	81597	33750	843	3	2	**K167R97**	**DT100LS4**
	1.9	1.3	90200	18100	899	3	2	**K127R77**	**DT100LS4**
	1.8	1.7	92600	25900	942	3	2	**K157R97**	**DT100LS4**
	1.8	3.1	92925	33750	944	3	2	**K167R97**	**DT100LS4**
	1.7	1.1	102900	18000	1025	3	2	**K127R77**	**DT100LS4**
	1.6	1.5	107400	25800	1093	3	2	**K157R97**	**DT100LS4**
	1.6	2.6	107085	33750	1101	3	2	**K167R97**	**DT100LS4**
	1.4	1.3	120700	25600	1229	3	2	**K157R97**	**DT100LS4**
	1.4	3.8	116820	42750	1196	3	2	**K187R97**	**DT100LS4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
3.0	**1.3**	1.2	134500	25500	1365	3	2	**K157R97**	**DT100LS4**
	1.3	2.2	128325	33750	1296	3	2	**K167R97**	**DT100LS4**
	1.2	2.0	139830	33750	1408	3	2	**K167R97**	**DT100LS4**
	1.1	2.8	157530	42750	1605	3	2	**K187R97**	**DT100LS4**
	1.0	1.7	168150	33750	1704	3	2	**K167R97**	**DT100LS4**
	0.94	2.5	177885	42750	1821	3	2	**K187R97**	**DT100LS4**
	0.84	2.2	200895	42750	2054	3	2	**K187R97**	**DT100LS4**
	0.79	1.3	216825	33750	2182	3	2	**K167R97**	**DT100LS4**
	0.76	1.3	218595	33750	2263	3	3	**K167R97**	**DT100LS4**
	0.76	2.0	223020	42750	2268	3	2	**K187R97**	**DT100LS4**
	0.68	1.8	248685	42750	2519	3	2	**K187R97**	**DT100LS4**
	0.62	1.1	269040	33750	2755	3	3	**K167R97**	**DT100LS4**
	0.61	1.7	270810	42750	2818	3	3	**K187R97**	**DT100LS4**
	0.56	1.5	303555	42750	3062	3	2	**K187R97**	**DT100LS4**
	0.48	1.3	359310	42750	3609	3	2	**K187R97**	**DT100LS4**
	0.39	1.1	424800	42750	4370	3	3	**K187R97**	**DT100LS4**
5.0	**313.0**	1.3	1010	420	5.36	3	-	**K37**	**DT100L4**
	289.0	1.9	1090	830	5.81	3	-	**K47**	**DT100L4**
	264.0	1.1	1190	415	6.37	3	-	**K37**	**DT100L4**
	256.0	2.5	1230	1190	6.57	3	-	**K57**	**DT100L4**
	255.0	1.7	1230	850	6.58	3	-	**K47**	**DT100L4**
	247.0	1.1	1280	410	6.80	3	-	**K37**	**DT100L4**
	231.0	2.7	1370	2640	7.28	3	-	**K67**	**DT100L4**
	228.0	1.6	1380	860	7.36	3	-	**K47**	**DT100L4**
	223.0	2.3	1420	1230	7.55	3	-	**K57**	**DT100L4**
	201.0	2.5	1570	2730	8.37	3	-	**K67**	**DT100L4**
	196.0	1.5	1610	870	8.56	3	-	**K47**	**DT100L4**
	193.0	2.1	1640	1260	8.71	3	-	**K57**	**DT100L4**
	185.0	1.5	1710	880	9.10	3	-	**K47**	**DT100L4**
	175.0	2.0	1800	1280	9.59	3	-	**K57**	**DT100L4**
	174.0	2.3	1810	2820	9.66	3	-	**K67**	**DT100L4**
	159.0	1.3	1980	880	10.56	3	-	**K47**	**DT100L4**
	158.0	2.2	1990	2880	10.63	3	-	**K67**	**DT100L4**
	149.0	1.8	2110	1310	11.26	3	-	**K57**	**DT100L4**
	143.0	1.1	2210	880	11.77	3	-	**K47**	**DT100L4**
	141.0	1.7	2240	1320	11.92	3	-	**K57**	**DT100L4**
	138.0	1.4	2290	910	12.19	3	-	**K47**	**DT100L4**
	135.0	2.0	2340	2920	12.48	3	-	**K67**	**DT100L4**
	127.0	1.8	2490	1390	13.25	3	-	**K57**	**DT100L4**
	127.0	2.4	2480	2920	13.22	3	-	**K67**	**DT100L4**
	123.0	1.3	2560	910	13.65	3	-	**K47**	**DT100L4**
	111.0	2.2	2850	2920	15.19	3	-	**K67**	**DT100L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Sec.	Model Gear	Motor
5.0	**110.0**	1.7	2860	1410	15.22	3	-	**K57**	**DT100L4**
	100.0	1.1	3160	890	16.86	3	-	**K47**	**DT100L4**
	96.0	1.5	3300	1430	17.57	3	-	**K57**	**DT100L4**
	96.0	2.0	3290	2900	17.54	3	-	**K67**	**DT100L4**
	94.0	3.8	3350	4470	17.87	3	-	**K77**	**DT100L4**
	87.0	1.4	3630	1440	19.34	3	-	**K57**	**DT100L4**
	83.0	3.5	3800	4450	20.25	3	-	**K77**	**DT100L4**
	74.0	1.3	4260	1450	22.71	3	-	**K57**	**DT100L4**
	74.0	1.6	4250	2810	22.66	3	-	**K67**	**DT100L4**
	73.0	3.2	4330	4430	23.08	3	-	**K77**	**DT100L4**
	70.0	1.2	4510	1450	24.05	3	-	**K57**	**DT100L4**
	70.0	1.6	4500	2780	24.00	3	-	**K67**	**DT100L4**
	66.0	2.8	4810	4410	25.62	3	-	**K77**	**DT100L4**
	62.0	1.4	5120	2700	27.28	3	-	**K67**	**DT100L4**
	61.0	1.1	5130	1440	27.34	3	-	**K57**	**DT100L4**
	57.0	2.5	5490	4370	29.27	3	-	**K77**	**DT100L4**
	56.0	1.3	5670	2620	30.22	3	-	**K67**	**DT100L4**
	54.0	2.4	5790	4350	30.89	3	-	**K77**	**DT100L4**
	48.0	2.1	6600	4300	35.20	3	-	**K77**	**DT100L4**
	47.0	1.1	6680	2440	35.62	3	-	**K67**	**DT100L4**
	46.0	3.2	6850	5980	36.52	3	-	**K87**	**DT100L4**
	44.0	1.0	7200	2330	38.39	3	-	**K67**	**DT100L4**
	44.0	1.9	7200	4260	38.39	3	-	**K77**	**DT100L4**
	42.0	1.9	7510	4230	40.04	3	-	**K77**	**DT100L4**
	38.0	2.8	8260	6230	44.02	3	-	**K87**	**DT100L4**
	37.0	1.6	8470	4150	45.16	3	-	**K77**	**DT100L4**
	34.0	2.6	9230	6370	49.16	3	-	**K87**	**DT100L4**
	33.0	1.5	9600	4040	51.18	3	-	**K77**	**DT100L4**
	30.0	2.2	10600	6440	56.64	3	-	**K87**	**DT100L4**
	29.0	1.3	10900	3880	58.34	3	-	**K77**	**DT100L4**
	27.0	2.0	11800	6420	63.00	3	-	**K87**	**DT100L4**
	26.0	1.2	12200	3710	64.75	3	-	**K77**	**DT100L4**
	24.0	1.8	13200	6400	70.46	3	-	**K87**	**DT100L4**
	24.0	2.9	13200	8990	70.54	3	-	**K97**	**DT100L4**
	23.0	1.0	13900	3430	73.99	3	-	**K77**	**DT100L4**
	22.0	2.6	14600	8990	77.89	3	-	**K97**	**DT100L4**
	21.0	1.6	14900	6370	79.34	3	-	**K87**	**DT100L4**
	19.0	1.5	16200	6340	86.34	3	-	**K87**	**DT100L4**
	19.0	2.3	16200	8990	86.52	3	-	**K97**	**DT100L4**
	17.0	2.1	18200	8990	96.80	3	-	**K97**	**DT100L4**
	16.0	1.3	19300	6270	102.71	3	-	**K87**	**DT100L4**
	16.0	2.0	19700	8990	105.13	3	-	**K97**	**DT100L4**
	15.0	1.1	21700	6200	115.82	3	-	**K87**	**DT100L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
5.0	**15.0**	3.4	21100	14600	112.41	3	-	**K107**	**DT100L4**
	14.0	1.7	23300	8990	123.93	3	-	**K97**	**DT100L4**
	14.0	3.1	22800	14600	121.46	3	-	**K107**	**DT100L4**
	13.0	1.0	23800	6130	126.91	3	-	**K87**	**DT100L4**
	12.0	1.5	26300	8990	140.28	3	-	**K97**	**DT100L4**
	12.0	2.6	26900	14600	143.47	3	-	**K107**	**DT100L4**
	11.0	1.3	28800	8990	153.21	3	-	**K97**	**DT100L4**
	11.0	2.4	26400	14600	154	3	2	**K107R77**	**DT100L4**
	9.7	2.1	29800	14600	174	3	2	**K107R77**	**DT100L4**
	9.5	1.2	33000	8990	176.05	3	-	**K97**	**DT100L4**
	8.6	2.1	33700	14600	196	3	2	**K107R77**	**DT100L4**
	8.4	1.1	34300	8990	199	3	2	**K97R57**	**DT100L4**
	8.4	3.1	34100	18500	200	3	2	**K127R87**	**DT100L4**
	7.9	3.2	36200	18500	213	3	2	**K127R87**	**DT100L4**
	7.6	1.9	38000	14600	222	3	2	**K107R77**	**DT100L4**
	6.7	1.7	43200	14600	251	3	2	**K107R77**	**DT100L4**
	6.6	2.7	43000	18500	253	3	2	**K127R87**	**DT100L4**
	5.9	1.5	49200	14600	286	3	2	**K107R77**	**DT100L4**
	5.9	2.4	48600	18500	287	3	2	**K127R87**	**DT100L4**
	5.3	1.3	54700	14600	318	3	2	**K107R77**	**DT100L4**
	5.1	2.0	56400	18400	330	3	2	**K127R87**	**DT100L4**
	4.6	1.2	62600	14600	364	3	2	**K107R77**	**DT100L4**
	4.6	1.9	62800	18400	367	3	2	**K127R87**	**DT100L4**
	4.6	4.6	62127	33750	369	3	2	**K167R97**	**DT100L4**
	4.1	1.0	70000	14600	408	3	2	**K107R77**	**DT100L4**
	4.0	1.6	72000	18300	418	3	2	**K127R77**	**DT100L4**
	3.9	2.2	73200	26000	434	3	2	**K157R97**	**DT100L4**
	3.5	1.4	81900	18200	477	3	2	**K127R77**	**DT100L4**
	3.5	3.5	81508	33750	481	3	2	**K167R97**	**DT100L4**
	3.3	1.9	85500	25900	504	3	2	**K157R97**	**DT100L4**
	3.2	5.0	88500	42750	527	3	2	**K187R97**	**DT100L4**
	3.2	5.1	87438	42750	520	3	2	**K187R107**	**DT100L4**
	3.1	1.2	94400	18100	549	3	2	**K127R77**	**DT100L4**
	3.0	1.7	96100	25900	567	3	2	**K157R97**	**DT100L4**
	2.8	1.1	104900	17900	610	3	2	**K127R77**	**DT100L4**
	2.7	2.6	107085	33750	632	3	2	**K167R97**	**DT100L4**
	2.3	3.5	124785	42750	738	3	2	**K187R97**	**DT100L4**
	2.2	1.3	127600	25600	756	3	2	**K157R97**	**DT100L4**
	2.2	2.2	128325	33750	757	3	2	**K167R97**	**DT100L4**
	2.0	1.1	145100	25400	854	3	2	**K157R97**	**DT100L4**
	2.0	2.0	142485	33750	843	3	2	**K167R97**	**DT100L4**
	1.8	1.0	160500	25200	942	3	2	**K157R97**	**DT100L4**
	1.8	1.8	160185	33750	944	3	2	**K167R97**	**DT100L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
5.0	**1.8**	2.8	160185	42750	945	3	2	**K187R97**	**DT100L4**
	1.6	2.5	177000	42750	1046	3	2	**K187R97**	**DT100L4**
	1.5	1.5	186735	33750	1101	3	2	**K167R97**	**DT100L4**
	1.4	2.2	202665	42750	1196	3	2	**K187R97**	**DT100L4**
	1.3	1.3	221250	33750	1296	3	2	**K167R97**	**DT100L4**
	1.2	1.2	240720	33750	1408	3	2	**K167R97**	**DT100L4**
	1.2	1.9	235410	42750	1395	3	2	**K187R97**	**DT100L4**
	1.0	1.6	272580	42750	1605	3	2	**K187R97**	**DT100L4**
	0.92	1.5	308865	42750	1821	3	2	**K187R97**	**DT100L4**
5.4	**263.0**	2.4	1290	1170	6.57	3	-	**K57**	**DV112M4**
	238.0	2.6	1430	2600	7.28	3	-	**K67**	**DV112M4**
	229.0	2.2	1480	1200	7.55	3	-	**K57**	**DV112M4**
	207.0	2.4	1650	2690	8.37	3	-	**K67**	**DV112M4**
	199.0	2.0	1710	1230	8.71	3	-	**K57**	**DV112M4**
	180.0	1.9	1890	1250	9.59	3	-	**K57**	**DV112M4**
	179.0	2.2	1900	2780	9.66	3	-	**K67**	**DV112M4**
	163.0	2.1	2090	2830	10.63	3	-	**K67**	**DV112M4**
	154.0	1.7	2210	1270	11.26	3	-	**K57**	**DV112M4**
	145.0	1.6	2350	1280	11.92	3	-	**K57**	**DV112M4**
	139.0	1.9	2460	2920	12.48	3	-	**K67**	**DV112M4**
	131.0	1.8	2610	1350	13.25	3	-	**K57**	**DV112M4**
	131.0	2.3	2600	2920	13.22	3	-	**K67**	**DV112M4**
	114.0	1.6	3000	1370	15.22	3	-	**K57**	**DV112M4**
	114.0	2.1	2990	2920	15.19	3	-	**K67**	**DV112M4**
	109.0	4.0	3120	4280	15.84	3	-	**K77**	**DV112M4**
	98.0	1.4	3460	1390	17.57	3	-	**K57**	**DV112M4**
	97.0	3.7	3510	4410	17.87	3	-	**K77**	**DV112M4**
	89.0	1.4	3800	1390	19.34	3	-	**K57**	**DV112M4**
	85.0	3.3	3980	4450	20.25	3	-	**K77**	**DV112M4**
	76.0	1.2	4470	1390	22.71	3	-	**K57**	**DV112M4**
	76.0	1.6	4460	2780	22.66	3	-	**K67**	**DV112M4**
	75.0	3.0	4540	4420	23.08	3	-	**K77**	**DV112M4**
	72.0	1.1	4730	1390	24.05	3	-	**K57**	**DV112M4**
	72.0	1.5	4720	2750	24.00	3	-	**K67**	**DV112M4**
	68.0	2.7	5040	4400	25.62	3	-	**K77**	**DV112M4**
	63.0	1.0	5380	1380	27.34	3	-	**K57**	**DV112M4**
	63.0	1.4	5360	2670	27.28	3	-	**K67**	**DV112M4**
	59.0	2.4	5760	4360	29.27	3	-	**K77**	**DV112M4**
	57.0	1.2	5940	2570	30.22	3	-	**K67**	**DV112M4**
	56.0	2.3	6080	4340	30.89	3	-	**K77**	**DV112M4**
	49.0	2.0	6920	4280	35.20	3	-	**K77**	**DV112M4**
	47.0	3.1	7180	5890	36.52	3	-	**K87**	**DV112M4**
	45.0	1.8	7550	4230	38.39	3	-	**K77**	**DV112M4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
5.4	**43.0**	1.8	7880	4200	40.04	3	-	**K77**	**DV112M4**
	39.0	2.7	8660	6120	44.02	3	-	**K87**	**DV112M4**
	38.0	1.6	8880	4110	45.16	3	-	**K77**	**DV112M4**
	35.0	2.5	9670	6260	49.16	3	-	**K87**	**DV112M4**
	34.0	1.4	10100	3980	51.18	3	-	**K77**	**DV112M4**
	31.0	2.1	11100	6420	56.64	3	-	**K87**	**DV112M4**
	30.0	1.2	11500	3810	58.34	3	-	**K77**	**DV112M4**
	27.0	1.1	12700	3620	64.75	3	-	**K77**	**DV112M4**
	27.0	2.0	12400	6410	63.00	3	-	**K87**	**DV112M4**
	25.0	1.7	13900	6390	70.46	3	-	**K87**	**DV112M4**
	25.0	2.7	13900	8990	70.54	3	-	**K97**	**DV112M4**
	22.0	1.6	15600	6350	79.34	3	-	**K87**	**DV112M4**
	22.0	2.5	15300	8990	77.89	3	-	**K97**	**DV112M4**
	20.0	1.4	17000	6320	86.34	3	-	**K87**	**DV112M4**
	20.0	2.2	17000	8990	86.52	3	-	**K97**	**DV112M4**
	18.0	2.0	19000	8990	96.80	3	-	**K97**	**DV112M4**
	17.0	1.2	20200	6240	102.71	3	-	**K87**	**DV112M4**
	17.0	3.6	19800	14600	100.75	3	-	**K107**	**DV112M4**
	16.0	1.9	20700	8990	105.13	3	-	**K97**	**DV112M4**
	15.0	1.1	22800	6170	115.82	3	-	**K87**	**DV112M4**
	15.0	3.2	22100	14600	112.41	3	-	**K107**	**DV112M4**
	14.0	1.6	24400	8990	123.93	3	-	**K97**	**DV112M4**
	14.0	3.0	23900	14600	121.46	3	-	**K107**	**DV112M4**
	12.0	1.4	27600	8990	140.28	3	-	**K97**	**DV112M4**
	12.0	2.5	28200	14600	143.47	3	-	**K107**	**DV112M4**
	11.0	1.3	30100	8990	153.21	3	-	**K97**	**DV112M4**
	11.0	2.3	27700	14600	154	3	2	**K107R77**	**DV112M4**
	10.0	2.0	31300	14600	174	3	2	**K107R77**	**DV112M4**
	8.8	2.0	35300	14600	196	3	2	**K107R77**	**DV112M4**
	8.7	1.1	36000	8990	199	3	2	**K97R57**	**DV112M4**
	8.6	3.0	35800	18500	200	3	2	**K127R87**	**DV112M4**
	8.1	3.0	37900	18500	213	3	2	**K127R87**	**DV112M4**
	7.8	1.8	39900	14600	222	3	2	**K107R77**	**DV112M4**
	6.9	1.6	45300	14600	251	3	2	**K107R77**	**DV112M4**
	6.8	2.5	45100	18500	253	3	2	**K127R87**	**DV112M4**
	6.0	1.4	51700	14600	286	3	2	**K107R77**	**DV112M4**
	6.0	2.2	51000	18500	287	3	2	**K127R87**	**DV112M4**
	5.4	1.3	57400	14600	318	3	2	**K107R77**	**DV112M4**
	5.2	2.0	59200	18400	330	3	2	**K127R87**	**DV112M4**
	4.8	1.1	65600	14600	364	3	2	**K107R77**	**DV112M4**
	4.7	1.8	65900	18300	367	3	2	**K127R87**	**DV112M4**
	4.7	4.3	65224	33750	369	3	2	**K167R97**	**DV112M4**
	4.1	1.5	75500	18300	418	3	2	**K127R77**	**DV112M4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
5.4	**4.0**	2.1	76900	26000	434	3	2	**K157R97**	**DV112M4**
	3.7	1.4	84300	18200	473	3	2	**K127R87**	**DV112M4**
	3.6	1.4	85900	18200	477	3	2	**K127R77**	**DV112M4**
	3.6	3.3	85579	33750	481	3	2	**K167R97**	**DV112M4**
	3.4	1.8	89700	25900	504	3	2	**K157R97**	**DV112M4**
	3.3	4.8	92925	42750	527	3	2	**K187R97**	**DV112M4**
	3.2	1.2	99100	18000	549	3	2	**K127R77**	**DV112M4**
	3.0	1.6	100800	25800	567	3	2	**K157R97**	**DV112M4**
	2.8	1.1	110000	17900	610	3	2	**K127R77**	**DV112M4**
	2.8	4.0	110625	42750	621	3	2	**K187R97**	**DV112M4**
	2.7	2.5	112395	33750	632	3	2	**K167R97**	**DV112M4**
	2.3	1.2	133900	25500	756	3	2	**K157R97**	**DV112M4**
	2.3	2.1	134520	33750	757	3	2	**K167R97**	**DV112M4**
	2.3	3.4	130980	42750	738	3	2	**K187R97**	**DV112M4**
	2.0	1.1	152200	25300	854	3	2	**K157R97**	**DV112M4**
	2.0	1.9	149565	33750	843	3	2	**K167R97**	**DV112M4**
	1.8	1.7	168150	33750	944	3	2	**K167R97**	**DV112M4**
	1.6	1.5	195585	33750	1101	3	2	**K167R97**	**DV112M4**
	1.6	2.4	185850	42750	1046	3	2	**K187R97**	**DV112M4**
	1.5	2.1	213285	42750	1196	3	2	**K187R97**	**DV112M4**
	1.3	1.2	232755	33750	1296	3	2	**K167R97**	**DV112M4**
	1.2	1.1	252225	33750	1408	3	2	**K167R97**	**DV112M4**
	1.1	1.6	286740	42750	1605	3	2	**K187R97**	**DV112M4**
	0.84	1.2	366390	42750	2054	3	2	**K187R97**	**DV112M4**
	0.76	1.1	405330	42750	2268	3	2	**K187R97**	**DV112M4**
	0.69	1.0	451350	42367	2519	3	2	**K187R97**	**DV112M4**
7.5	**240.0**	5.8	1970	3840	7.21	3	-	**K87**	**DV132S4**
	238.0	1.9	1990	2510	7.28	3	-	**K67**	**DV132S4**
	207.0	1.7	2290	2580	8.37	3	-	**K67**	**DV132S4**
	204.0	3.4	2320	3540	8.48	3	-	**K77**	**DV132S4**
	181.0	3.2	2610	3650	9.56	3	-	**K77**	**DV132S4**
	179.0	1.6	2640	2650	9.66	3	-	**K67**	**DV132S4**
	163.0	1.5	2900	2700	10.63	3	-	**K67**	**DV132S4**
	160.0	3.0	2960	3750	10.84	3	-	**K77**	**DV132S4**
	140.0	2.6	3380	3860	12.36	3	-	**K77**	**DV132S4**
	139.0	1.4	3410	2770	12.48	3	-	**K67**	**DV132S4**
	131.0	1.7	3610	2870	13.22	3	-	**K67**	**DV132S4**
	128.0	3.2	3700	4000	13.52	3	-	**K77**	**DV132S4**
	114.0	1.5	4150	2820	15.19	3	-	**K67**	**DV132S4**
	109.0	2.9	4330	4140	15.84	3	-	**K77**	**DV132S4**
	99.0	1.4	4790	2740	17.54	3	-	**K67**	**DV132S4**
	97.0	2.6	4880	4250	17.87	3	-	**K77**	**DV132S4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
7.5	**90.0**	1.3	5270	2680	19.30	3	-	**K67**	**DV132S4**
	85.0	2.4	5530	4350	20.25	3	-	**K77**	**DV132S4**
	76.0	1.1	6190	2530	22.66	3	-	**K67**	**DV132S4**
	75.0	2.2	6310	4320	23.08	3	-	**K77**	**DV132S4**
	72.0	1.1	6560	2460	24.00	3	-	**K67**	**DV132S4**
	68.0	2.0	7000	4270	25.62	3	-	**K77**	**DV132S4**
	62.0	3.0	7620	5330	27.88	3	-	**K87**	**DV132S4**
	59.0	1.7	8000	4190	29.27	3	-	**K77**	**DV132S4**
	56.0	1.6	8440	4150	30.89	3	-	**K77**	**DV132S4**
	55.0	2.8	8580	5460	31.39	3	-	**K87**	**DV132S4**
	47.0	2.2	9980	5610	36.52	3	-	**K87**	**DV132S4**
	43.0	1.3	10900	3880	40.04	3	-	**K77**	**DV132S4**
	41.0	3.3	11400	8100	41.87	3	-	**K97**	**DV132S4**
	39.0	1.9	12000	5780	44.02	3	-	**K87**	**DV132S4**
	38.0	1.1	12300	3680	45.16	3	-	**K77**	**DV132S4**
	36.0	2.9	13100	8330	47.93	3	-	**K97**	**DV132S4**
	35.0	1.8	13400	5870	49.16	3	-	**K87**	**DV132S4**
	34.0	1.0	14000	3410	51.18	3	-	**K77**	**DV132S4**
	31.0	1.6	15500	5980	56.64	3	-	**K87**	**DV132S4**
	31.0	2.5	15500	8600	56.55	3	-	**K97**	**DV132S4**
	28.0	2.2	17100	8760	62.55	3	-	**K97**	**DV132S4**
	27.0	1.4	17200	6050	63.00	3	-	**K87**	**DV132S4**
	25.0	1.3	19300	6100	70.46	3	-	**K87**	**DV132S4**
	25.0	2.0	19300	8950	70.54	3	-	**K97**	**DV132S4**
	22.0	1.1	21700	6150	79.34	3	-	**K87**	**DV132S4**
	22.0	1.8	21300	8990	77.89	3	-	**K97**	**DV132S4**
	21.0	3.1	22600	14300	82.61	3	-	**K107**	**DV132S4**
	20.0	1.0	23600	6140	86.34	3	-	**K87**	**DV132S4**
	20.0	1.6	23700	8990	86.52	3	-	**K97**	**DV132S4**
	19.0	2.8	24900	14600	90.96	3	-	**K107**	**DV132S4**
	18.0	1.5	26500	8990	96.80	3	-	**K97**	**DV132S4**
	17.0	2.6	27500	14600	100.75	3	-	**K107**	**DV132S4**
	16.0	1.3	28700	8990	105.13	3	-	**K97**	**DV132S4**
	15.0	2.3	30700	14600	112.41	3	-	**K107**	**DV132S4**
	14.0	1.1	33900	8990	123.93	3	-	**K97**	**DV132S4**
	14.0	2.1	33200	14600	121.46	3	-	**K107**	**DV132S4**
	12.0	1.8	39200	14600	143.47	3	-	**K107**	**DV132S4**
	12.0	2.9	36500	18500	147	3	2	**K127R87**	**DV132S4**
	11.0	1.7	38600	14600	154	3	2	**K107R77**	**DV132S4**
	10.0	1.5	43600	14600	174	3	2	**K107R77**	**DV132S4**
	10.0	2.6	41400	18500	166	3	2	**K127R87**	**DV132S4**
	8.8	1.5	49300	14600	196	3	2	**K107R77**	**DV132S4**
	8.6	2.1	50000	18500	200	3	2	**K127R87**	**DV132S4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
7.5	**8.1**	2.2	53100	18400	213	3	2	**K127R87**	**DV132S4**
	7.8	1.3	55700	14600	222	3	2	**K107R77**	**DV132S4**
	6.9	1.1	63100	14600	251	3	2	**K107R77**	**DV132S4**
	6.8	1.8	63200	18400	253	3	2	**K127R87**	**DV132S4**
	6.0	1.0	72000	14600	286	3	2	**K107R77**	**DV132S4**
	6.0	1.6	71400	18300	287	3	2	**K127R87**	**DV132S4**
	5.9	2.2	72000	26000	291	3	2	**K157R97**	**DV132S4**
	5.2	1.4	82600	18200	330	3	2	**K127R87**	**DV132S4**
	5.2	2.0	82600	25900	333	3	2	**K157R97**	**DV132S4**
	4.7	1.3	92000	18100	367	3	2	**K127R87**	**DV132S4**
	4.7	3.1	92040	33750	369	3	2	**K167R97**	**DV132S4**
	4.6	1.7	93900	25900	379	3	2	**K157R97**	**DV132S4**
	4.1	1.1	105200	17900	418	3	2	**K127R77**	**DV132S4**
	4.1	2.7	105315	33750	423	3	2	**K167R97**	**DV132S4**
	4.0	1.5	107700	25800	434	3	2	**K157R97**	**DV132S4**
	3.7	1.0	118000	17800	473	3	2	**K127R87**	**DV132S4**
	3.6	2.3	120360	33750	481	3	2	**K167R97**	**DV132S4**
	3.4	1.3	125500	25600	504	3	2	**K157R97**	**DV132S4**
	3.1	2.0	139830	33750	561	3	2	**K167R97**	**DV132S4**
	3.0	1.2	141100	25400	567	3	2	**K157R97**	**DV132S4**
	2.8	2.8	155760	42750	621	3	2	**K187R97**	**DV132S4**
	2.7	1.8	158415	33750	632	3	2	**K167R97**	**DV132S4**
	2.3	1.5	189390	33750	757	3	2	**K167R97**	**DV132S4**
	2.3	2.4	184965	42750	738	3	2	**K187R97**	**DV132S4**
	2.1	2.1	207975	42750	835	3	2	**K187R107**	**DV132S4**
	2.0	1.4	210630	33750	843	3	2	**K167R97**	**DV132S4**
	1.8	1.2	237180	33750	944	3	2	**K167R97**	**DV132S4**
	1.8	1.9	236295	42750	945	3	2	**K187R97**	**DV132S4**
	1.6	1.1	276120	33750	1101	3	2	**K167R97**	**DV132S4**
	1.6	1.7	261960	42750	1046	3	2	**K187R97**	**DV132S4**
	1.4	1.5	300015	42750	1196	3	2	**K187R97**	**DV132S4**
	1.2	1.3	348690	42750	1395	3	2	**K187R97**	**DV132S4**
	1.1	1.1	402675	42750	1605	3	2	**K187R97**	**DV132S4**
10	**240.0**	2.8	2620	3320	7.24	3	-	**K77**	**DV132M4**
	205.0	2.6	3070	3430	8.48	3	-	**K77**	**DV132M4**
	182.0	2.4	3470	3520	9.56	3	-	**K77**	**DV132M4**
	161.0	2.2	3930	3610	10.84	3	-	**K77**	**DV132M4**
	141.0	2.0	4480	3700	12.36	3	-	**K77**	**DV132M4**
	129.0	2.4	4900	3850	13.52	3	-	**K77**	**DV132M4**
	115.0	1.2	5500	2640	15.19	3	-	**K67**	**DV132M4**
	110.0	2.2	5740	3970	15.84	3	-	**K77**	**DV132M4**
	97.0	2.0	6470	4050	17.87	3	-	**K77**	**DV132M4**
	89.0	2.9	7050	4760	19.45	3	-	**K87**	**DV132M4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
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Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
10	**86.0**	1.8	7330	4130	20.25	3	-	**K77**	**DV132M4**
	78.0	2.5	8120	4880	22.41	3	-	**K87**	**DV132M4**
	75.0	1.7	8360	4160	23.08	3	-	**K77**	**DV132M4**
	70.0	2.5	9030	4980	24.92	3	-	**K87**	**DV132M4**
	68.0	1.5	9280	4070	25.62	3	-	**K77**	**DV132M4**
	62.0	2.3	10100	5070	27.88	3	-	**K87**	**DV132M4**
	59.0	1.3	10600	3920	29.27	3	-	**K77**	**DV132M4**
	56.0	1.3	11200	3850	30.89	3	-	**K77**	**DV132M4**
	55.0	2.1	11400	5160	31.39	3	-	**K87**	**DV132M4**
	51.0	3.1	12400	7460	34.23	3	-	**K97**	**DV132M4**
	48.0	1.7	13200	5260	36.52	3	-	**K87**	**DV132M4**
	45.0	2.7	13900	7630	38.30	3	-	**K97**	**DV132M4**
	42.0	2.5	15200	7750	41.87	3	-	**K97**	**DV132M4**
	40.0	1.5	16000	5370	44.02	3	-	**K87**	**DV132M4**
	36.0	2.2	17400	7940	47.93	3	-	**K97**	**DV132M4**
	35.0	1.4	17800	5410	49.16	3	-	**K87**	**DV132M4**
	35.0	3.8	18100	12400	49.90	3	-	**K107**	**DV132M4**
	31.0	1.2	20500	5450	56.64	3	-	**K87**	**DV132M4**
	31.0	1.9	20500	8140	56.55	3	-	**K97**	**DV132M4**
	30.0	3.4	20700	12800	57.17	3	-	**K107**	**DV132M4**
	28.0	1.1	22800	5460	63.00	3	-	**K87**	**DV132M4**
	28.0	1.7	22700	8260	62.55	3	-	**K97**	**DV132M4**
	26.0	2.9	24100	13200	66.52	3	-	**K107**	**DV132M4**
	25.0	1.5	25600	8380	70.54	3	-	**K97**	**DV132M4**
	24.0	2.7	26600	13400	73.30	3	-	**K107**	**DV132M4**
	22.0	1.4	28200	8460	77.89	3	-	**K97**	**DV132M4**
	21.0	2.4	29900	13700	82.61	3	-	**K107**	**DV132M4**
	20.0	1.2	31400	8540	86.52	3	-	**K97**	**DV132M4**
	19.0	2.2	33000	14000	90.96	3	-	**K107**	**DV132M4**
	18.0	1.1	35100	8600	96.80	3	-	**K97**	**DV132M4**
	17.0	1.0	38100	8620	105.13	3	-	**K97**	**DV132M4**
	17.0	2.0	36500	14200	100.75	3	-	**K107**	**DV132M4**
	16.0	2.9	39900	18500	110.18	3	-	**K127**	**DV132M4**
	15.0	1.8	40700	14500	112.41	3	-	**K107**	**DV132M4**
	14.0	1.6	44000	14600	121.46	3	-	**K107**	**DV132M4**
	14.0	2.6	44400	18500	122.48	3	-	**K127**	**DV132M4**
	13.0	2.3	49300	18500	136.14	3	-	**K127**	**DV132M4**
	12.0	1.4	52000	14600	143.47	3	-	**K107**	**DV132M4**
	12.0	2.2	52900	18400	146.07	3	-	**K127**	**DV132M4**
	11.0	1.3	51400	14600	154	3	2	**K107R77**	**DV132M4**
	10.0	1.1	58000	14600	174	3	2	**K107R77**	**DV132M4**
	10.0	2.0	55100	18400	166	3	2	**K127R87**	**DV132M4**
	9.0	7.0	63543	42750	193	3	2	**K187R107**	**DV132M4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
10	**8.9**	1.1	65500	14600	196	3	2	**K107R77**	**DV132M4**
	8.7	1.6	66600	18300	200	3	2	**K127R87**	**DV132M4**
	8.5	4.2	67614	33750	206	3	2	**K167R107**	**DV132M4**
	8.2	1.7	70700	18300	213	3	2	**K127R87**	**DV132M4**
	8.2	2.3	70000	26000	213	3	2	**K157R107**	**DV132M4**
	7.1	3.5	80269	33750	244	3	2	**K167R107**	**DV132M4**
	6.9	1.4	84100	18200	253	3	2	**K127R87**	**DV132M4**
	6.7	5.1	86022	42750	261	3	2	**K187R107**	**DV132M4**
	6.3	3.1	91155	33750	278	3	2	**K167R107**	**DV132M4**
	6.1	1.2	95100	18100	287	3	2	**K127R87**	**DV132M4**
	6.0	1.7	96000	25900	291	3	2	**K157R97**	**DV132M4**
	5.5	2.7	105315	33750	318	3	2	**K167R107**	**DV132M4**
	5.3	1.1	109900	17900	330	3	2	**K127R87**	**DV132M4**
	5.2	1.5	110100	25700	333	3	2	**K157R97**	**DV132M4**
	4.9	3.8	116820	42750	355	3	2	**K187R107**	**DV132M4**
	4.7	2.3	122130	33750	369	3	2	**K167R97**	**DV132M4**
	4.6	1.3	125200	25600	379	3	2	**K157R97**	**DV132M4**
	4.1	2.0	139830	33750	423	3	2	**K167R97**	**DV132M4**
	4.0	1.1	143600	25400	434	3	2	**K157R97**	**DV132M4**
	3.8	3.0	149565	42750	454	3	2	**K187R107**	**DV132M4**
	3.6	1.8	159300	33750	481	3	2	**K167R97**	**DV132M4**
	3.3	2.5	174345	42750	527	3	2	**K187R97**	**DV132M4**
	3.1	1.6	184965	33750	561	3	2	**K167R97**	**DV132M4**
	2.8	1.4	209745	33750	632	3	2	**K167R97**	**DV132M4**
	2.8	2.2	205320	42750	621	3	2	**K187R97**	**DV132M4**
	2.4	1.8	245145	42750	738	3	2	**K187R97**	**DV132M4**
	2.3	1.2	250455	33750	757	3	2	**K167R97**	**DV132M4**
	2.1	1.0	278775	33750	843	3	2	**K167R97**	**DV132M4**
	2.1	1.6	276120	42750	835	3	2	**K187R107**	**DV132M4**
	1.8	1.4	313290	42750	945	3	2	**K187R97**	**DV132M4**
	1.7	1.3	346920	42750	1046	3	2	**K187R97**	**DV132M4**
	1.5	1.1	396480	42750	1196	3	2	**K187R97**	**DV132M4**
12.5	**241.0**	3.5	3270	3670	7.21	3	-	**K87**	**DV132ML4**
	205.0	2.0	3840	3330	8.48	3	-	**K77**	**DV132ML4**
	182.0	1.9	4330	3400	9.56	3	-	**K77**	**DV132ML4**
	161.0	1.8	4910	3480	10.84	3	-	**K77**	**DV132ML4**
	141.0	1.6	5600	3550	12.36	3	-	**K77**	**DV132ML4**
	129.0	2.0	6120	3700	13.52	3	-	**K77**	**DV132ML4**
	120.0	2.8	6540	4340	14.45	3	-	**K87**	**DV132ML4**
	110.0	1.8	7170	3800	15.84	3	-	**K77**	**DV132ML4**
	109.0	2.2	7250	4290	16.00	3	-	**K87**	**DV132ML4**
	100.0	2.5	7890	4490	17.42	3	-	**K87**	**DV132ML4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
12.5	**97.0**	1.6	8090	3860	17.87	3	-	**K77**	**DV132ML4**
	89.0	2.3	8810	4580	19.45	3	-	**K87**	**DV132ML4**
	86.0	1.5	9170	3910	20.25	3	-	**K77**	**DV132ML4**
	78.0	2.0	10100	4680	22.41	3	-	**K87**	**DV132ML4**
	75.0	1.3	10500	3940	23.08	3	-	**K77**	**DV132ML4**
	70.0	2.0	11300	4750	24.92	3	-	**K87**	**DV132ML4**
	62.0	1.8	12600	4810	27.88	3	-	**K87**	**DV132ML4**
	62.0	3.0	12600	6930	27.91	3	-	**K97**	**DV132ML4**
	56.0	2.7	14000	7060	30.82	3	-	**K97**	**DV132ML4**
	55.0	1.7	14200	4870	31.39	3	-	**K87**	**DV132ML4**
	51.0	2.5	15500	7190	34.23	3	-	**K97**	**DV132ML4**
	48.0	1.4	16500	4930	36.52	3	-	**K87**	**DV132ML4**
	45.0	2.2	17300	7320	38.30	3	-	**K97**	**DV132ML4**
	42.0	2.0	19000	7420	41.87	3	-	**K97**	**DV132ML4**
	41.0	3.4	19200	11600	42.33	3	-	**K107**	**DV132ML4**
	40.0	1.2	19900	4960	44.02	3	-	**K87**	**DV132ML4**
	36.0	1.8	21700	7550	47.93	3	-	**K97**	**DV132ML4**
	35.0	1.1	22300	4960	49.16	3	-	**K87**	**DV132ML4**
	35.0	3.1	22600	12000	49.90	3	-	**K107**	**DV132ML4**
	31.0	1.5	25600	7690	56.55	3	-	**K97**	**DV132ML4**
	30.0	2.7	25900	12400	57.17	3	-	**K107**	**DV132ML4**
	28.0	1.4	28300	7760	62.55	3	-	**K97**	**DV132ML4**
	26.0	2.3	30100	12700	66.52	3	-	**K107**	**DV132ML4**
	25.0	1.2	32000	7810	70.54	3	-	**K97**	**DV132ML4**
	24.0	2.1	33200	12900	73.30	3	-	**K107**	**DV132ML4**
	22.0	1.1	35300	7840	77.89	3	-	**K97**	**DV132ML4**
	21.0	1.9	37400	13200	82.61	3	-	**K107**	**DV132ML4**
	21.0	3.1	37100	18500	81.98	3	-	**K127**	**DV132ML4**
	19.0	1.7	41200	13400	90.96	3	-	**K107**	**DV132ML4**
	19.0	2.8	40700	18500	89.89	3	-	**K127**	**DV132ML4**
	17.0	1.6	45600	13500	100.75	3	-	**K107**	**DV132ML4**
	16.0	2.3	49900	18500	110.18	3	-	**K127**	**DV132ML4**
	15.0	1.4	50900	13700	112.41	3	-	**K107**	**DV132ML4**
	14.0	2.1	55500	18400	122.48	3	-	**K127**	**DV132ML4**
	13.0	1.9	61700	18400	136.14	3	-	**K127**	**DV132ML4**
	13.0	4.6	61153	33750	134.99	3	-	**K167**	**DV132ML4**
	13.0	5.1	55932	33750	135	3	2	**K167R107**	**DV132ML4**
	13.0	7.5	58764	42750	129.69	3	-	**K187**	**DV132ML4**
	12.0	1.1	58300	14400	140	3	2	**K107R77**	**DV132ML4**
	12.0	1.8	61000	18400	147	3	2	**K127R87**	**DV132ML4**
	12.0	6.8	65490	42750	144.59	3	-	**K187**	**DV132ML4**
	11.0	1.0	64300	14500	154	3	2	**K107R77**	**DV132ML4**
	11.0	2.5	64700	26100	157	3	2	**K157R107**	**DV132ML4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
12.5	**10.0**	1.6	69100	18300	166	3	2	**K127R87**	**DV132ML4**
	9.7	5.4	81508	42750	179.86	3	-	**K187**	**DV132ML4**
	9.6	3.8	74251	33750	180	3	2	**K167R107**	**DV132ML4**
	9.3	2.1	77100	26000	187	3	2	**K157R107**	**DV132ML4**
	8.7	1.3	83400	18200	200	3	2	**K127R87**	**DV132ML4**
	8.5	3.3	84871	33750	206	3	2	**K167R107**	**DV132ML4**
	8.2	1.3	88600	18100	213	3	2	**K127R87**	**DV132ML4**
	8.2	1.8	87900	25900	213	3	2	**K157R107**	**DV132ML4**
	8.2	3.2	87880	33750	213	3	2	**K167R107**	**DV132ML4**
	7.6	1.7	94800	25900	230	3	2	**K157R107**	**DV132ML4**
	7.1	2.8	100890	33750	244	3	2	**K167R107**	**DV132ML4**
	6.9	1.1	105400	17900	253	3	2	**K127R87**	**DV132ML4**
	6.9	1.5	104600	25800	253	3	2	**K157R107**	**DV132ML4**
	6.7	4.1	107970	42750	261	3	2	**K187R107**	**DV132ML4**
	6.3	2.5	115050	33750	278	3	2	**K167R107**	**DV132ML4**
	6.0	1.3	120500	25600	291	3	2	**K157R97**	**DV132ML4**
	5.5	2.2	131865	33750	318	3	2	**K167R107**	**DV132ML4**
	5.2	1.2	138100	25500	333	3	2	**K157R97**	**DV132ML4**
	4.9	3.0	146910	42750	355	3	2	**K187R107**	**DV132ML4**
	4.7	1.9	153105	33750	369	3	2	**K167R97**	**DV132ML4**
	4.6	1.0	157100	25200	379	3	2	**K157R97**	**DV132ML4**
	4.5	1.0	158800	25200	385	3	2	**K157R107**	**DV132ML4**
	4.1	1.6	175230	33750	423	3	2	**K167R97**	**DV132ML4**
	3.8	2.4	187620	42750	454	3	2	**K187R107**	**DV132ML4**
	3.6	1.4	200010	33750	481	3	2	**K167R97**	**DV132ML4**
	3.3	2.0	218595	42750	527	3	2	**K187R97**	**DV132ML4**
	3.3	2.0	215055	42750	520	3	2	**K187R107**	**DV132ML4**
	3.3	2.0	218595	42750	527	3	2	**K187R97**	**DV132ML4**
	3.1	1.2	231870	33750	561	3	2	**K167R97**	**DV132ML4**
	2.8	1.1	262845	33750	632	3	2	**K167R97**	**DV132ML4**
	2.8	1.7	257535	42750	621	3	2	**K187R97**	**DV132ML4**
	2.4	1.5	307095	42750	738	3	2	**K187R97**	**DV132ML4**
	2.1	1.3	346035	42750	835	3	2	**K187R107**	**DV132ML4**
	1.8	1.2	392940	42750	945	3	2	**K187R97**	**DV132ML4**
	1.7	1.0	434535	42750	1046	3	2	**K187R97**	**DV132ML4**
15	**241.0**	2.9	3920	3600	7.21	3	-	**K87**	**DV160M4**
	240.0	1.9	3930	3140	7.24	3	-	**K77**	**DV160M4**
	210.0	2.8	4510	3700	8.29	3	-	**K87**	**DV160M4**
	205.0	1.7	4610	3230	8.48	3	-	**K77**	**DV160M4**
	182.0	1.6	5200	3290	9.56	3	-	**K77**	**DV160M4**
	174.0	2.4	5430	3830	10.00	3	-	**K87**	**DV160M4**
	161.0	1.5	5890	3350	10.84	3	-	**K77**	**DV160M4**
	156.0	2.2	6070	3910	11.17	3	-	**K87**	**DV160M4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
15	**141.0**	1.3	6710	3400	12.36	3	-	**K77**	**DV160M4**
	139.0	2.6	6830	4110	12.56	3	-	**K87**	**DV160M4**
	129.0	1.6	7350	3560	13.52	3	-	**K77**	**DV160M4**
	120.0	2.4	7850	4210	14.45	3	-	**K87**	**DV160M4**
	110.0	1.5	8610	3630	15.84	3	-	**K77**	**DV160M4**
	100.0	2.1	9460	4330	17.42	3	-	**K87**	**DV160M4**
	97.0	1.3	9710	3670	17.87	3	-	**K77**	**DV160M4**
	89.0	2.0	10600	4400	19.45	3	-	**K87**	**DV160M4**
	86.0	1.2	11000	3700	20.25	3	-	**K77**	**DV160M4**
	78.0	1.7	12200	4470	22.41	3	-	**K87**	**DV160M4**
	78.0	3.1	12200	6460	22.37	3	-	**K97**	**DV160M4**
	75.0	1.1	12500	3650	23.08	3	-	**K77**	**DV160M4**
	70.0	1.7	13500	4520	24.92	3	-	**K87**	**DV160M4**
	70.0	2.8	13400	6580	24.75	3	-	**K97**	**DV160M4**
	62.0	1.5	15100	4550	27.88	3	-	**K87**	**DV160M4**
	62.0	2.5	15200	6710	27.91	3	-	**K97**	**DV160M4**
	56.0	2.3	16700	6820	30.82	3	-	**K97**	**DV160M4**
	55.0	1.4	17100	4580	31.39	3	-	**K87**	**DV160M4**
	51.0	2.0	18600	6920	34.23	3	-	**K97**	**DV160M4**
	48.0	1.1	19900	4590	36.52	3	-	**K87**	**DV160M4**
	47.0	3.2	20100	11100	37.00	3	-	**K107**	**DV160M4**
	45.0	1.9	20800	7020	38.30	3	-	**K97**	**DV160M4**
	42.0	1.7	22800	7080	41.87	3	-	**K97**	**DV160M4**
	41.0	2.8	23000	11400	42.33	3	-	**K107**	**DV160M4**
	36.0	1.5	26100	7170	47.93	3	-	**K97**	**DV160M4**
	35.0	2.6	27100	11700	49.90	3	-	**K107**	**DV160M4**
	31.0	1.3	30700	7240	56.55	3	-	**K97**	**DV160M4**
	30.0	2.3	31100	12000	57.17	3	-	**K107**	**DV160M4**
	28.0	1.1	34000	7260	62.55	3	-	**K97**	**DV160M4**
	26.0	2.0	36200	12300	66.52	3	-	**K107**	**DV160M4**
	25.0	1.0	38300	7250	70.54	3	-	**K97**	**DV160M4**
	25.0	3.0	38600	18500	70.95	3	-	**K127**	**DV160M4**
	24.0	1.8	39800	12400	73.30	3	-	**K107**	**DV160M4**
	21.0	1.6	44900	12600	82.61	3	-	**K107**	**DV160M4**
	21.0	2.6	44600	18500	81.98	3	-	**K127**	**DV160M4**
	19.0	1.5	49400	12800	90.96	3	-	**K107**	**DV160M4**
	19.0	2.3	48900	18500	89.89	3	-	**K127**	**DV160M4**
	17.0	1.3	54800	12900	100.75	3	-	**K107**	**DV160M4**
	17.0	2.9	54500	25900	100.22	3	-	**K157**	**DV160M4**
	16.0	1.9	59900	18400	110.18	3	-	**K127**	**DV160M4**
	15.0	1.2	61100	13000	112.41	3	-	**K107**	**DV160M4**
	14.0	1.8	66600	18300	122.48	3	-	**K127**	**DV160M4**
	14.0	2.4	66500	26000	122.39	3	-	**K157**	**DV160M4**

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Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
15	**13.0**	1.6	74000	18300	136.14	3	-	**K127**	**DV160M4**
	12.0	1.5	73300	18300	147	3	2	**K127R87**	**DV160M4**
	12.0	2.0	81800	26000	150.41	3	-	**K157**	**DV160M4**
	11.0	2.0	77900	26000	157	3	2	**K157R107**	**DV160M4**
	10.0	1.3	83100	18200	166	3	2	**K127R87**	**DV160M4**
	9.7	4.5	97350	42750	179.86	3	-	**K187**	**DV160M4**
	9.6	3.2	89385	33750	180	3	2	**K167R107**	**DV160M4**
	9.3	1.7	92800	25900	187	3	2	**K157R107**	**DV160M4**
	9.0	4.6	96465	42750	193	3	2	**K187R107**	**DV160M4**
	8.7	1.1	100200	18000	200	3	2	**K127R87**	**DV160M4**
	8.5	2.8	101775	33750	206	3	2	**K167R107**	**DV160M4**
	8.2	1.1	106400	17900	213	3	2	**K127R87**	**DV160M4**
	8.2	1.5	105700	25800	213	3	2	**K157R107**	**DV160M4**
	8.2	2.7	106200	33750	213	3	2	**K167R107**	**DV160M4**
	7.6	1.4	114200	25700	230	3	2	**K157R107**	**DV160M4**
	7.1	2.3	121245	33750	244	3	2	**K167R107**	**DV160M4**
	6.9	1.3	125900	25600	253	3	2	**K157R107**	**DV160M4**
	6.7	3.4	130095	42750	261	3	2	**K187R107**	**DV160M4**
	6.3	2.0	138060	33750	278	3	2	**K167R107**	**DV160M4**
	6.0	1.1	144900	25400	291	3	2	**K157R97**	**DV160M4**
	5.8	1.1	148600	25300	299	3	2	**K157R107**	**DV160M4**
	5.5	1.8	158415	33750	318	3	2	**K167R107**	**DV160M4**
	5.3	1.0	161400	25200	325	3	2	**K157R107**	**DV160M4**
	4.9	2.5	177000	42750	355	3	2	**K187R107**	**DV160M4**
	4.7	1.6	184080	33750	369	3	2	**K167R97**	**DV160M4**
	4.1	1.4	210630	33750	423	3	2	**K167R97**	**DV160M4**
	3.8	2.0	225675	42750	454	3	2	**K187R107**	**DV160M4**
	3.6	1.2	239835	33750	481	3	2	**K167R97**	**DV160M4**
	3.3	1.7	262845	42750	527	3	2	**K187R97**	**DV160M4**
	3.3	1.7	259305	42750	520	3	2	**K187R107**	**DV160M4**
	3.3	1.7	262845	42750	527	3	2	**K187R97**	**DV160M4**
	3.1	1.0	279660	33750	561	3	2	**K167R97**	**DV160M4**
	2.8	1.5	309750	42750	621	3	2	**K187R97**	**DV160M4**
	2.4	1.2	369045	42750	738	3	2	**K187R97**	**DV160M4**
	2.1	1.1	415950	42750	835	3	2	**K187R107**	**DV160M4**
20	**244.0**	2.2	5170	3430	7.21	3	-	**K87**	**DV160L4**
	212.0	2.1	5940	3510	8.29	3	-	**K87**	**DV160L4**
	176.0	1.9	7160	3610	10.00	3	-	**K87**	**DV160L4**
	158.0	1.7	8000	3660	11.17	3	-	**K87**	**DV160L4**
	140.0	2.0	9000	3870	12.56	3	-	**K87**	**DV160L4**
	127.0	3.8	9920	5630	13.85	3	-	**K97**	**DV160L4**
	122.0	1.8	10400	3930	14.45	3	-	**K87**	**DV160L4**
	110.0	1.4	11500	3770	16.00	3	-	**K87**	**DV160L4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
20	**106.0**	3.2	11900	5810	16.56	3	-	**K97**	**DV160L4**
	101.0	1.6	12500	4000	17.42	3	-	**K87**	**DV160L4**
	93.0	2.8	13600	5950	18.96	3	-	**K97**	**DV160L4**
	91.0	1.5	13900	4030	19.45	3	-	**K87**	**DV160L4**
	79.0	1.3	16100	4050	22.41	3	-	**K87**	**DV160L4**
	79.0	2.4	16000	6090	22.37	3	-	**K97**	**DV160L4**
	71.0	1.3	17900	4060	24.92	3	-	**K87**	**DV160L4**
	71.0	2.2	17700	6170	24.75	3	-	**K97**	**DV160L4**
	67.0	3.4	18900	9890	26.32	3	-	**K107**	**DV160L4**
	63.0	1.2	20000	4040	27.88	3	-	**K87**	**DV160L4**
	63.0	1.9	20000	6260	27.91	3	-	**K97**	**DV160L4**
	61.0	3.1	20800	10100	29.00	3	-	**K107**	**DV160L4**
	57.0	1.7	22100	6320	30.82	3	-	**K97**	**DV160L4**
	56.0	1.1	22500	4000	31.39	3	-	**K87**	**DV160L4**
	56.0	2.7	22400	10200	31.28	3	-	**K107**	**DV160L4**
	54.0	2.7	23400	10300	32.69	3	-	**K107**	**DV160L4**
	51.0	1.6	24500	6370	34.23	3	-	**K97**	**DV160L4**
	48.0	2.4	26500	10500	37.00	3	-	**K107**	**DV160L4**
	46.0	1.4	27400	6400	38.30	3	-	**K97**	**DV160L4**
	42.0	1.3	30000	6420	41.87	3	-	**K97**	**DV160L4**
	42.0	2.2	30300	10800	42.33	3	-	**K107**	**DV160L4**
	37.0	1.1	34300	6410	47.93	3	-	**K97**	**DV160L4**
	35.0	2.0	35800	11000	49.90	3	-	**K107**	**DV160L4**
	33.0	3.0	38700	16900	54.07	3	-	**K127**	**DV160L4**
	31.0	1.8	41000	11200	57.17	3	-	**K107**	**DV160L4**
	28.0	2.6	44900	17400	62.60	3	-	**K127**	**DV160L4**
	26.0	1.5	47700	11400	66.52	3	-	**K107**	**DV160L4**
	25.0	2.3	50800	17800	70.95	3	-	**K127**	**DV160L4**
	24.0	1.4	52500	11400	73.30	3	-	**K107**	**DV160L4**
	21.0	1.2	59200	11500	82.61	3	-	**K107**	**DV160L4**
	21.0	2.0	58700	18200	81.98	3	-	**K127**	**DV160L4**
	20.0	1.8	64400	18400	89.89	3	-	**K127**	**DV160L4**
	19.0	1.1	65200	11500	90.96	3	-	**K107**	**DV160L4**
	19.0	2.4	65700	24400	91.65	3	-	**K157**	**DV160L4**
	18.0	2.2	71800	24800	100.22	3	-	**K157**	**DV160L4**
	17.0	1.0	72200	11500	100.75	3	-	**K107**	**DV160L4**
	17.0	6.0	73189	42750	102.16	3	-	**K187**	**DV160L4**
	16.0	1.5	78900	18200	110.18	3	-	**K127**	**DV160L4**
	16.0	2.3	70200	25500	107	3	2	**K157R107**	**DV160L4**
	15.0	3.6	77703	33750	118	3	2	**K167R107**	**DV160L4**
	14.0	1.3	87800	18100	122.48	3	-	**K127**	**DV160L4**
	14.0	1.8	87700	25700	122.39	3	-	**K157**	**DV160L4**
	14.0	2.0	80400	26000	122	3	2	**K157R107**	**DV160L4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
20	**13.0**	1.2	97500	18000	136.14	3	-	**K127**	**DV160L4**
	13.0	2.9	96465	33750	134.99	3	-	**K167**	**DV160L4**
	12.0	1.1	96800	18000	147	3	2	**K127R87**	**DV160L4**
	12.0	1.5	107800	25800	150.41	3	-	**K157**	**DV160L4**
	12.0	4.3	103545	42750	144.59	3	-	**K187**	**DV160L4**
	11.0	1.6	103200	25800	157	3	2	**K157R107**	**DV160L4**
	11.0	2.4	117705	33750	164.50	3	-	**K167**	**DV160L4**
	9.8	2.4	118590	33750	180	3	2	**K167R107**	**DV160L4**
	9.8	2.4	118590	33750	180	3	2	**K167R107**	**DV160L4**
	9.8	3.4	129210	42750	179.86	3	-	**K187**	**DV160L4**
	9.4	1.3	122800	25600	187	3	2	**K157R107**	**DV160L4**
	9.1	3.5	127440	42750	193	3	2	**K187R107**	**DV160L4**
	8.6	2.1	135405	33750	206	3	2	**K167R107**	**DV160L4**
	8.3	1.2	139900	25400	213	3	2	**K157R107**	**DV160L4**
	8.3	2.0	139830	33750	213	3	2	**K167R107**	**DV160L4**
	7.9	3.0	145140	42750	221	3	2	**K187R107**	**DV160L4**
	7.6	1.1	151200	25300	230	3	2	**K157R107**	**DV160L4**
	7.2	1.8	160185	33750	244	3	2	**K167R107**	**DV160L4**
	6.7	2.6	171690	42750	261	3	2	**K187R107**	**DV160L4**
	6.3	1.6	182310	33750	278	3	2	**K167R107**	**DV160L4**
	5.5	1.4	209745	33750	318	3	2	**K167R107**	**DV160L4**
	4.9	1.9	233640	42750	355	3	2	**K187R107**	**DV160L4**
	4.8	1.2	242490	33750	369	3	2	**K167R97**	**DV160L4**
	4.2	1.0	278775	33750	423	3	2	**K167R97**	**DV160L4**
	3.9	1.5	298245	42750	454	3	2	**K187R107**	**DV160L4**
	3.4	1.3	342495	42750	520	3	2	**K187R107**	**DV160L4**
	3.3	1.3	346920	42750	527	3	2	**K187R97**	**DV160L4**
	2.8	1.1	409755	42750	621	3	2	**K187R97**	**DV160L4**
25	**244.0**	1.8	6460	3280	7.21	3	-	**K87**	**DV180M4**
	212.0	1.7	7430	3330	8.29	3	-	**K87**	**DV180M4**
	202.0	3.0	7800	4820	8.71	3	-	**K97**	**DV180M4**
	176.0	1.5	8950	3400	10.00	3	-	**K87**	**DV180M4**
	169.0	2.7	9320	4970	10.41	3	-	**K97**	**DV180M4**
	158.0	1.4	10000	3420	11.17	3	-	**K87**	**DV180M4**
	147.0	3.2	10700	5280	11.99	3	-	**K97**	**DV180M4**
	140.0	1.6	11300	3640	12.56	3	-	**K87**	**DV180M4**
	127.0	3.1	12400	5410	13.85	3	-	**K97**	**DV180M4**
	122.0	1.5	12900	3670	14.45	3	-	**K87**	**DV180M4**
	106.0	2.6	14800	5550	16.56	3	-	**K97**	**DV180M4**
	101.0	1.3	15600	3690	17.42	3	-	**K87**	**DV180M4**
	93.0	2.2	17000	5650	18.96	3	-	**K97**	**DV180M4**
	91.0	1.2	17400	3680	19.45	3	-	**K87**	**DV180M4**
	89.0	3.6	17700	9040	19.74	3	-	**K107**	**DV180M4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
25	**79.0**	1.0	20100	3650	22.41	3	-	**K87**	**DV180M4**
	79.0	1.9	20000	5740	22.37	3	-	**K97**	**DV180M4**
	78.0	3.2	20300	9280	22.62	3	-	**K107**	**DV180M4**
	71.0	1.0	22300	3600	24.92	3	-	**K87**	**DV180M4**
	71.0	1.7	22200	5780	24.75	3	-	**K97**	**DV180M4**
	67.0	2.7	23600	9530	26.32	3	-	**K107**	**DV180M4**
	63.0	1.5	25000	5820	27.91	3	-	**K97**	**DV180M4**
	61.0	2.5	26000	9690	29.00	3	-	**K107**	**DV180M4**
	57.0	1.4	27600	5830	30.82	3	-	**K97**	**DV180M4**
	56.0	2.2	28000	9810	31.28	3	-	**K107**	**DV180M4**
	54.0	2.2	29300	9870	32.69	3	-	**K107**	**DV180M4**
	49.0	3.5	32500	15100	36.25	3	-	**K127**	**DV180M4**
	48.0	1.9	33100	10000	37.00	3	-	**K107**	**DV180M4**
	44.0	3.2	36000	15400	40.19	3	-	**K127**	**DV180M4**
	42.0	1.0	37500	5750	41.87	3	-	**K97**	**DV180M4**
	42.0	1.7	37900	10200	42.33	3	-	**K107**	**DV180M4**
	37.0	2.7	42800	16000	47.82	3	-	**K127**	**DV180M4**
	35.0	1.6	44700	10400	49.90	3	-	**K107**	**DV180M4**
	33.0	2.4	48400	16300	54.07	3	-	**K127**	**DV180M4**
	31.0	1.4	51200	10400	57.17	3	-	**K107**	**DV180M4**
	28.0	2.0	56100	16700	62.60	3	-	**K127**	**DV180M4**
	26.0	1.2	59600	10500	66.52	3	-	**K107**	**DV180M4**
	25.0	1.8	63500	17000	70.95	3	-	**K127**	**DV180M4**
	25.0	2.5	63000	22400	70.38	3	-	**K157**	**DV180M4**
	24.0	1.1	65600	10500	73.30	3	-	**K107**	**DV180M4**
	22.0	2.2	71400	23000	79.75	3	-	**K157**	**DV180M4**
	21.0	1.6	73400	17300	81.98	3	-	**K127**	**DV180M4**
	20.0	1.5	80500	17500	89.89	3	-	**K127**	**DV180M4**
	19.0	2.0	82100	23500	91.65	3	-	**K157**	**DV180M4**
	18.0	1.8	89800	23800	100.22	3	-	**K157**	**DV180M4**
	16.0	1.2	98700	17700	110.18	3	-	**K127**	**DV180M4**
	16.0	1.8	88000	24500	107	3	2	**K157R107**	**DV180M4**
	16.0	2.9	98235	33750	109.83	3	-	**K167**	**DV180M4**
	14.0	1.5	109600	24500	122.39	3	-	**K157**	**DV180M4**
	13.0	2.3	121245	33750	134.99	3	-	**K167**	**DV180M4**
	13.0	2.3	121245	33750	134.99	3	-	**K167**	**DV180M4**
	13.0	2.5	111510	33750	135	3	2	**K167R107**	**DV180M4**
	12.0	3.4	129210	42750	144.59	3	-	**K187**	**DV180M4**
	11.0	1.3	129300	25600	157	3	2	**K157R107**	**DV180M4**
	11.0	2.2	131865	33750	160	3	2	**K167R107**	**DV180M4**
	9.8	1.9	147795	33750	180	3	2	**K167R107**	**DV180M4**
	9.8	2.8	161070	42750	179.86	3	-	**K187**	**DV180M4**
	9.4	1.1	153900	25300	187	3	2	**K157R107**	**DV180M4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
25	**9.1**	2.8	159300	42750	193	3	2	**K187R107**	**DV180M4**
	8.6	1.7	169035	33750	206	3	2	**K167R107**	**DV180M4**
	8.3	1.6	175230	33750	213	3	2	**K167R107**	**DV180M4**
	7.9	2.4	182310	42750	221	3	2	**K187R107**	**DV180M4**
	7.2	1.4	200895	33750	244	3	2	**K167R107**	**DV180M4**
	6.7	2.1	215055	42750	261	3	2	**K187R107**	**DV180M4**
	6.3	1.3	228330	33750	278	3	2	**K167R107**	**DV180M4**
	5.5	1.1	261960	33750	318	3	2	**K167R107**	**DV180M4**
	4.9	1.5	292935	42750	355	3	2	**K187R107**	**DV180M4**
	3.9	1.2	374355	42750	454	3	2	**K187R107**	**DV180M4**
	3.4	1.1	429225	42750	520	3	2	**K187R107**	**DV180M4**
	3.3	1.0	434535	42750	527	3	2	**K187R97**	**DV180M4**
30	**244.0**	1.5	7750	3120	7.21	3	-	**K87**	**DV180L4**
	212.0	1.4	8910	3160	8.29	3	-	**K87**	**DV180L4**
	203.0	3.9	9340	7290	8.69	3	-	**K107**	**DV180L4**
	202.0	2.5	9360	4660	8.71	3	-	**K97**	**DV180L4**
	176.0	1.3	10700	3180	10.00	3	-	**K87**	**DV180L4**
	169.0	2.3	11200	4770	10.41	3	-	**K97**	**DV180L4**
	158.0	1.1	12000	3180	11.17	3	-	**K87**	**DV180L4**
	147.0	2.7	12900	5090	11.99	3	-	**K97**	**DV180L4**
	140.0	1.3	13500	3410	12.56	3	-	**K87**	**DV180L4**
	127.0	2.6	14900	5190	13.85	3	-	**K97**	**DV180L4**
	122.0	1.2	15500	3410	14.45	3	-	**K87**	**DV180L4**
	106.0	2.1	17800	5290	16.56	3	-	**K97**	**DV180L4**
	101.0	1.1	18700	3370	17.42	3	-	**K87**	**DV180L4**
	93.0	1.9	20400	5350	18.96	3	-	**K97**	**DV180L4**
	89.0	3.0	21200	8780	19.74	3	-	**K107**	**DV180L4**
	79.0	1.6	24000	5390	22.37	3	-	**K97**	**DV180L4**
	78.0	2.6	24300	8980	22.62	3	-	**K107**	**DV180L4**
	71.0	1.5	26600	5390	24.75	3	-	**K97**	**DV180L4**
	67.0	2.2	28300	9180	26.32	3	-	**K107**	**DV180L4**
	63.0	1.3	30000	5380	27.91	3	-	**K97**	**DV180L4**
	61.0	2.0	31200	9300	29.00	3	-	**K107**	**DV180L4**
	57.0	1.2	33100	5340	30.82	3	-	**K97**	**DV180L4**
	56.0	1.8	33600	9390	31.28	3	-	**K107**	**DV180L4**
	56.0	3.4	33700	14300	31.37	3	-	**K127**	**DV180L4**
	54.0	1.8	35100	9430	32.69	3	-	**K107**	**DV180L4**
	49.0	3.0	39000	14700	36.25	3	-	**K127**	**DV180L4**
	48.0	1.6	39800	9540	37.00	3	-	**K107**	**DV180L4**
	44.0	2.7	43200	15000	40.19	3	-	**K127**	**DV180L4**
	42.0	1.5	45500	9630	42.33	3	-	**K107**	**DV180L4**
	37.0	2.2	51400	15400	47.82	3	-	**K127**	**DV180L4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
30	**35.0**	1.3	53600	9680	49.90	3	-	**K107**	**DV180L4**
	33.0	2.0	58100	15700	54.07	3	-	**K127**	**DV180L4**
	32.0	2.7	58300	20700	54.29	3	-	**K157**	**DV180L4**
	31.0	1.2	61400	9670	57.17	3	-	**K107**	**DV180L4**
	29.0	2.4	65600	21200	61.02	3	-	**K157**	**DV180L4**
	28.0	1.7	67300	16000	62.60	3	-	**K127**	**DV180L4**
	26.0	1.0	71500	9590	66.52	3	-	**K107**	**DV180L4**
	25.0	1.5	76300	16200	70.95	3	-	**K127**	**DV180L4**
	25.0	2.1	75600	21700	70.38	3	-	**K157**	**DV180L4**
	23.0	3.4	83986	33750	78.14	3	-	**K167**	**DV180L4**
	22.0	1.9	85700	22200	79.75	3	-	**K157**	**DV180L4**
	21.0	1.3	88100	16400	81.98	3	-	**K127**	**DV180L4**
	20.0	1.2	96600	16400	89.89	3	-	**K127**	**DV180L4**
	20.0	3.0	94695	33750	87.86	3	-	**K167**	**DV180L4**
	19.0	1.6	98500	22600	91.65	3	-	**K157**	**DV180L4**
	18.0	1.5	107700	22800	100.22	3	-	**K157**	**DV180L4**
	17.0	4.0	109740	42750	102.16	3	-	**K187**	**DV180L4**
	16.0	1.5	105800	23500	107	3	2	**K157R107**	**DV180L4**
	16.0	2.4	117705	33750	109.83	3	-	**K167**	**DV180L4**
	15.0	2.4	116820	33750	118	3	2	**K167R107**	**DV180L4**
	14.0	1.2	131500	23300	122.39	3	-	**K157**	**DV180L4**
	14.0	3.2	139830	42750	129.69	3	-	**K187**	**DV180L4**
	13.0	2.0	145140	33750	134.99	3	-	**K167**	**DV180L4**
	13.0	2.1	133635	33750	135	3	2	**K167R107**	**DV180L4**
	12.0	2.8	155760	42750	144.59	3	-	**K187**	**DV180L4**
	11.0	1.0	155400	24400	157	3	2	**K157R107**	**DV180L4**
	11.0	1.8	158415	33750	160	3	2	**K167R107**	**DV180L4**
	11.0	2.5	177885	42750	165.21	3	-	**K187**	**DV180L4**
	9.8	1.6	177885	33750	180	3	2	**K167R107**	**DV180L4**
	9.8	2.3	192930	42750	179.86	3	-	**K187**	**DV180L4**
	9.1	2.3	191160	42750	193	3	2	**K187R107**	**DV180L4**
	8.6	1.4	203550	33750	206	3	2	**K167R107**	**DV180L4**
	8.3	1.4	210630	33750	213	3	2	**K167R107**	**DV180L4**
	7.9	2.0	219480	42750	221	3	2	**K187R107**	**DV180L4**
	7.2	1.2	241605	33750	244	3	2	**K167R107**	**DV180L4**
	6.7	1.7	258420	42750	261	3	2	**K187R107**	**DV180L4**
	6.3	1.1	275235	33750	278	3	2	**K167R107**	**DV180L4**
	4.9	1.3	352230	42750	355	3	2	**K187R107**	**DV180L4**
	3.9	1.0	449580	42435	454	3	2	**K187R107**	**DV180L4**
40	**203.0**	2.9	12500	7010	8.69	3	-	**K107**	**DV200L4**
	202.0	1.9	12500	4320	8.71	3	-	**K97**	**DV200L4**
	177.0	2.6	14200	7190	9.94	3	-	**K107**	**DV200L4**
	169.0	1.7	14900	4380	10.41	3	-	**K97**	**DV200L4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
40	**150.0**	2.3	16800	7400	11.73	3	-	**K107**	**DV200L4**
	147.0	2.0	17200	4710	11.99	3	-	**K97**	**DV200L4**
	131.0	2.0	19200	7550	13.43	3	-	**K107**	**DV200L4**
	127.0	1.9	19800	4750	13.85	3	-	**K97**	**DV200L4**
	120.0	2.9	21000	7910	14.64	3	-	**K107**	**DV200L4**
	106.0	1.6	23700	4770	16.56	3	-	**K97**	**DV200L4**
	105.0	2.6	24000	8070	16.75	3	-	**K107**	**DV200L4**
	93.0	1.4	27200	4750	18.96	3	-	**K97**	**DV200L4**
	89.0	2.2	28300	8250	19.74	3	-	**K107**	**DV200L4**
	79.0	1.2	32100	4680	22.37	3	-	**K97**	**DV200L4**
	78.0	2.0	32400	8370	22.62	3	-	**K107**	**DV200L4**
	74.0	3.4	34300	13000	23.91	3	-	**K127**	**DV200L4**
	71.0	1.1	35500	4610	24.75	3	-	**K97**	**DV200L4**
	67.0	1.7	37700	8480	26.32	3	-	**K107**	**DV200L4**
	64.0	2.9	39700	13300	27.68	3	-	**K127**	**DV200L4**
	61.0	1.6	41500	8530	29.00	3	-	**K107**	**DV200L4**
	56.0	1.4	44800	8550	31.28	3	-	**K107**	**DV200L4**
	56.0	2.6	44900	13600	31.37	3	-	**K127**	**DV200L4**
	49.0	2.2	51900	13900	36.25	3	-	**K127**	**DV200L4**
	48.0	1.2	53000	8560	37.00	3	-	**K107**	**DV200L4**
	44.0	2.0	57600	14100	40.19	3	-	**K127**	**DV200L4**
	42.0	1.1	60700	8500	42.33	3	-	**K107**	**DV200L4**
	38.0	2.4	67100	19200	46.79	3	-	**K157**	**DV200L4**
	37.0	1.7	68500	14300	47.82	3	-	**K127**	**DV200L4**
	33.0	1.5	77500	14500	54.07	3	-	**K127**	**DV200L4**
	32.0	2.0	77800	19700	54.29	3	-	**K157**	**DV200L4**
	29.0	1.8	87400	20000	61.02	3	-	**K157**	**DV200L4**
	29.0	3.2	87084	33750	60.74	3	-	**K167**	**DV200L4**
	28.0	1.3	89700	14600	62.60	3	-	**K127**	**DV200L4**
	26.0	2.9	97350	33750	68.07	3	-	**K167**	**DV200L4**
	25.0	1.2	101700	14600	70.95	3	-	**K127**	**DV200L4**
	25.0	1.6	100900	20300	70.38	3	-	**K157**	**DV200L4**
	23.0	2.5	112395	33750	78.14	3	-	**K167**	**DV200L4**
	22.0	1.4	114300	20600	79.75	3	-	**K157**	**DV200L4**
	21.0	1.0	117500	14500	81.98	3	-	**K127**	**DV200L4**
	20.0	2.2	125670	33750	87.86	3	-	**K167**	**DV200L4**
	19.0	1.2	131300	20800	91.65	3	-	**K157**	**DV200L4**
	18.0	1.1	143600	20900	100.22	3	-	**K157**	**DV200L4**
	17.0	3.0	146025	42750	102.16	3	-	**K187**	**DV200L4**
	16.0	1.2	141300	21600	107	3	2	**K157R107**	**DV200L4**
	16.0	1.8	157530	33750	109.83	3	-	**K167**	**DV200L4**
	16.0	2.7	161070	42750	112.60	3	-	**K187**	**DV200L4**
	15.0	1.8	156645	33750	118	3	2	**K167R107**	**DV200L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
40	**14.0**	1.0	161700	21600	122	3	2	**K157R107**	**DV200L4**
	14.0	2.4	185850	42750	129.69	3	-	**K187**	**DV200L4**
	13.0	1.6	178770	33750	135	3	2	**K167R107**	**DV200L4**
	12.0	2.1	207090	42750	144.59	3	-	**K187**	**DV200L4**
	11.0	1.4	211515	33750	160	3	2	**K167R107**	**DV200L4**
	11.0	2.0	215940	42750	163	3	2	**K187R107**	**DV200L4**
	9.8	1.2	238065	33750	180	3	2	**K167R107**	**DV200L4**
	9.8	1.7	257535	42750	179.86	3	-	**K187**	**DV200L4**
	9.1	1.8	255765	42750	193	3	2	**K187R107**	**DV200L4**
	8.6	1.1	271695	33750	206	3	2	**K167R107**	**DV200L4**
	8.3	1.0	281430	33750	213	3	2	**K167R107**	**DV200L4**
	7.9	1.5	292935	42750	221	3	2	**K187R107**	**DV200L4**
	6.7	1.3	345150	42750	261	3	2	**K187R107**	**DV200L4**
50	**203.0**	2.3	15600	6740	8.69	3	-	**K107**	**DV225S4**
	177.0	2.1	17800	6880	9.94	3	-	**K107**	**DV225S4**
	150.0	1.8	21000	7030	11.73	3	-	**K107**	**DV225S4**
	131.0	1.6	24100	7130	13.43	3	-	**K107**	**DV225S4**
	120.0	2.3	26200	7520	14.64	3	-	**K107**	**DV225S4**
	105.0	2.1	30000	7620	16.75	3	-	**K107**	**DV225S4**
	99.0	3.6	31800	11900	17.77	3	-	**K127**	**DV225S4**
	89.0	1.8	35400	7720	19.74	3	-	**K107**	**DV225S4**
	83.0	3.0	37900	12200	21.15	3	-	**K127**	**DV225S4**
	78.0	1.6	40500	7770	22.62	3	-	**K107**	**DV225S4**
	74.0	2.7	42800	12500	23.91	3	-	**K127**	**DV225S4**
	67.0	1.4	47100	7780	26.32	3	-	**K107**	**DV225S4**
	64.0	2.3	49600	12700	27.68	3	-	**K127**	**DV225S4**
	61.0	1.3	51900	7750	29.00	3	-	**K107**	**DV225S4**
	56.0	1.1	56000	7720	31.28	3	-	**K107**	**DV225S4**
	56.0	2.0	56200	12900	31.37	3	-	**K127**	**DV225S4**
	49.0	1.8	64900	13100	36.25	3	-	**K127**	**DV225S4**
	46.0	2.3	68100	17800	38.02	3	-	**K157**	**DV225S4**
	44.0	1.6	72000	13200	40.19	3	-	**K127**	**DV225S4**
	41.0	3.7	76818	31297	42.89	3	-	**K167**	**DV225S4**
	38.0	1.9	83800	18300	46.79	3	-	**K157**	**DV225S4**
	37.0	1.4	85700	13200	47.82	3	-	**K127**	**DV225S4**
	34.0	3.0	92925	32580	51.77	3	-	**K167**	**DV225S4**
	33.0	1.2	96800	13200	54.07	3	-	**K127**	**DV225S4**
	32.0	1.7	97200	18600	54.29	3	-	**K157**	**DV225S4**
	29.0	1.5	109300	18800	61.02	3	-	**K157**	**DV225S4**
	29.0	2.6	108855	33637	60.74	3	-	**K167**	**DV225S4**
	28.0	1.1	112100	13100	62.60	3	-	**K127**	**DV225S4**
	26.0	2.3	122130	33750	68.07	3	-	**K167**	**DV225S4**
	25.0	1.3	126100	18900	70.38	3	-	**K157**	**DV225S4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
50	**23.0**	2.0	139830	33750	78.14	3	-	**K167**	**DV225S4**
	22.0	1.1	142900	19000	79.75	3	-	**K157**	**DV225S4**
	20.0	1.8	157530	33750	87.86	3	-	**K167**	**DV225S4**
	20.0	2.8	157530	42750	88.00	3	-	**K187**	**DV225S4**
	17.0	2.4	183195	42750	102.16	3	-	**K187**	**DV225S4**
	16.0	1.5	196470	33750	109.83	3	-	**K167**	**DV225S4**
	16.0	2.2	201780	42750	112.60	3	-	**K187**	**DV225S4**
	15.0	1.5	195585	33750	118	3	2	**K167R107**	**DV225S4**
	14.0	1.9	232755	42750	129.69	3	-	**K187**	**DV225S4**
	13.0	1.3	223905	33750	135	3	2	**K167R107**	**DV225S4**
	12.0	1.7	259305	42750	144.59	3	-	**K187**	**DV225S4**
	11.0	1.1	263730	33750	160	3	2	**K167R107**	**DV225S4**
	11.0	1.5	295590	42750	165.21	3	-	**K187**	**DV225S4**
	9.8	1.4	322140	42750	179.86	3	-	**K187**	**DV225S4**
	9.1	1.4	320370	42750	193	3	2	**K187R107**	**DV225S4**
	7.9	1.2	366390	42750	221	3	2	**K187R107**	**DV225S4**
	6.7	1.0	431880	42750	261	3	2	**K187R107**	**DV225S4**
60	**203.0**	2.0	18700	6470	8.69	3	-	**K107**	**DV225M4**
	177.0	1.8	21400	6570	9.94	3	-	**K107**	**DV225M4**
	150.0	1.5	25200	6670	11.73	3	-	**K107**	**DV225M4**
	131.0	1.3	28900	6710	13.43	3	-	**K107**	**DV225M4**
	120.0	2.0	31500	7120	14.64	3	-	**K107**	**DV225M4**
	105.0	1.8	36000	7180	16.75	3	-	**K107**	**DV225M4**
	99.0	3.0	38200	11500	17.77	3	-	**K127**	**DV225M4**
	89.0	1.5	42400	7200	19.74	3	-	**K107**	**DV225M4**
	83.0	2.5	45400	11700	21.15	3	-	**K127**	**DV225M4**
	78.0	1.3	48600	7170	22.62	3	-	**K107**	**DV225M4**
	74.0	2.2	51400	11900	23.91	3	-	**K127**	**DV225M4**
	67.0	1.2	56600	7080	26.32	3	-	**K107**	**DV225M4**
	64.0	2.0	59500	12100	27.68	3	-	**K127**	**DV225M4**
	61.0	1.0	62300	6770	29.00	3	-	**K107**	**DV225M4**
	56.0	1.7	67400	12200	31.37	3	-	**K127**	**DV225M4**
	56.0	2.4	67300	16600	31.30	3	-	**K157**	**DV225M4**
	49.0	1.5	77900	12200	36.25	3	-	**K127**	**DV225M4**
	46.0	2.0	81700	17000	38.02	3	-	**K157**	**DV225M4**
	44.0	1.4	86400	12200	40.19	3	-	**K127**	**DV225M4**
	41.0	3.1	92040	30577	42.89	3	-	**K167**	**DV225M4**
	38.0	1.6	100600	17400	46.79	3	-	**K157**	**DV225M4**
	37.0	1.1	102800	12100	47.82	3	-	**K127**	**DV225M4**
	34.0	2.5	111510	31702	51.77	3	-	**K167**	**DV225M4**
	33.0	1.0	116200	12000	54.07	3	-	**K127**	**DV225M4**
	32.0	1.4	116700	17500	54.29	3	-	**K157**	**DV225M4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
60	**29.0**	1.2	131200	17600	61.02	3	-	**K157**	**DV225M4**
	29.0	2.2	130980	32625	60.74	3	-	**K167**	**DV225M4**
	26.0	2.0	146025	33232	68.07	3	-	**K167**	**DV225M4**
	25.0	1.1	151300	17500	70.38	3	-	**K157**	**DV225M4**
	24.0	2.8	159300	40882	73.96	3	-	**K187**	**DV225M4**
	23.0	1.7	168150	33750	78.14	3	-	**K167**	**DV225M4**
	20.0	1.5	188505	33750	87.86	3	-	**K167**	**DV225M4**
	20.0	2.3	189390	42210	88.00	3	-	**K187**	**DV225M4**
	17.0	2.0	219480	42750	102.16	3	-	**K187**	**DV225M4**
	16.0	1.2	236295	33750	109.83	3	-	**K167**	**DV225M4**
	16.0	1.9	242490	42750	112.60	3	-	**K187**	**DV225M4**
	15.0	1.2	235410	33750	118	3	2	**K167R107**	**DV225M4**
	14.0	1.6	278775	42750	129.69	3	-	**K187**	**DV225M4**
	13.0	1.1	269040	33750	135	3	2	**K167R107**	**DV225M4**
	12.0	1.4	310635	42750	144.59	3	-	**K187**	**DV225M4**
	11.0	1.3	354885	42750	165.21	3	-	**K187**	**DV225M4**
	11.0	1.4	324795	42750	163	3	2	**K187R107**	**DV225M4**
	9.8	1.2	386745	42750	179.86	3	-	**K187**	**DV225M4**
	9.1	1.2	384090	42750	193	3	2	**K187R107**	**DV225M4**
	7.9	1.0	439845	42750	221	3	2	**K187R107**	**DV225M4**
75	**204.0**	2.8	23200	9480	8.68	3	-	**K127**	**D250M4**
	165.0	2.5	28700	9820	10.74	3	-	**K127**	**D250M4**
	140.0	4.4	33800	13600	12.65	3	-	**K157**	**D250M4**
	138.0	2.2	34200	10100	12.79	3	-	**K127**	**D250M4**
	123.0	2.8	38300	10600	14.35	3	-	**K127**	**D250M4**
	119.0	4.0	39900	14000	14.92	3	-	**K157**	**D250M4**
	103.0	8.0	45932	28553	17.18	3	-	**K187**	**D250M4**
	102.0	6.1	46374	24368	17.34	3	-	**K167**	**D250M4**
	100.0	2.4	47500	10800	17.77	3	-	**K127**	**D250M4**
	96.0	3.2	49100	14600	18.37	3	-	**K157**	**D250M4**
	88.0	7.2	53808	29745	20.15	3	-	**K187**	**D250M4**
	87.0	5.2	54339	25290	20.32	3	-	**K167**	**D250M4**
	84.0	2.0	56500	11000	21.15	3	-	**K127**	**D250M4**
	83.0	2.8	56900	14900	21.31	3	-	**K157**	**D250M4**
	74.0	1.8	63900	11100	23.91	3	-	**K127**	**D250M4**
	74.0	2.5	64000	15200	23.95	3	-	**K157**	**D250M4**
	73.0	6.5	64605	31095	24.18	3	-	**K187**	**D250M4**
	72.0	4.3	65490	26370	24.52	3	-	**K167**	**D250M4**
	64.0	1.6	73900	11100	27.68	3	-	**K127**	**D250M4**
	64.0	2.2	73800	15500	27.62	3	-	**K157**	**D250M4**
	63.0	5.9	74606	32198	27.92	3	-	**K187**	**D250M4**
	62.0	3.7	76907	27293	28.77	3	-	**K167**	**D250M4**
	57.0	1.9	83600	15700	31.30	3	-	**K157**	**D250M4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
75	**56.0**	1.4	83800	11100	31.37	3	-	**K127**	**D250M4**
	55.0	3.3	86199	27945	32.25	3	-	**K167**	**D250M4**
	53.0	5.0	88500	33525	33.23	3	-	**K187**	**D250M4**
	48.0	2.9	98235	28643	36.61	3	-	**K167**	**D250M4**
	47.0	1.6	101600	15900	38.02	3	-	**K157**	**D250M4**
	46.0	4.3	102660	34650	38.57	3	-	**K187**	**D250M4**
	44.0	1.1	107400	10900	40.19	3	-	**K127**	**D250M4**
	42.0	3.9	113280	35393	42.51	3	-	**K187**	**D250M4**
	41.0	2.5	115050	29475	42.89	3	-	**K167**	**D250M4**
	39.0	3.6	121245	35888	45.50	3	-	**K187**	**D250M4**
	38.0	1.3	125000	16000	46.79	3	-	**K157**	**D250M4**
	34.0	2.0	138060	30375	51.77	3	-	**K167**	**D250M4**
	33.0	1.1	145000	15900	54.29	3	-	**K157**	**D250M4**
	33.0	3.1	142485	37058	53.36	3	-	**K187**	**D250M4**
	29.0	1.0	163000	15700	61.02	3	-	**K157**	**D250M4**
	29.0	1.8	161955	31073	60.74	3	-	**K167**	**D250M4**
	28.0	2.6	170805	38340	64.04	3	-	**K187**	**D250M4**
	26.0	1.6	182310	31500	68.07	3	-	**K167**	**D250M4**
	24.0	2.2	197355	39285	73.96	3	-	**K187**	**D250M4**
	23.0	1.4	208860	31950	78.14	3	-	**K167**	**D250M4**
	20.0	1.2	234525	32220	87.86	3	-	**K167**	**D250M4**
	20.0	1.9	235410	40320	88.00	3	-	**K187**	**D250M4**
	17.0	1.6	272580	41108	102.16	3	-	**K187**	**D250M4**
	16.0	1.5	300900	41535	112.60	3	-	**K187**	**D250M4**
	14.0	1.3	346920	42053	129.69	3	-	**K187**	**D250M4**
	12.0	1.2	386745	42345	144.59	3	-	**K187**	**D250M4**
100	**205.0**	2.1	30800	8910	8.68	3	-	**K127**	**D280S4**
	165.0	1.9	38200	9120	10.74	3	-	**K127**	**D280S4**
	140.0	3.3	45000	13000	12.65	3	-	**K157**	**D280S4**
	139.0	1.7	45400	9220	12.79	3	-	**K127**	**D280S4**
	124.0	2.1	51000	9750	14.35	3	-	**K127**	**D280S4**
	119.0	3.0	53000	13300	14.92	3	-	**K157**	**D280S4**
	103.0	6.0	61065	27945	17.18	3	-	**K187**	**D280S4**
	102.0	4.6	61596	23625	17.34	3	-	**K167**	**D280S4**
	100.0	1.8	63100	9830	17.77	3	-	**K127**	**D280S4**
	97.0	2.4	65200	13700	18.37	3	-	**K157**	**D280S4**
	88.0	5.4	71597	29003	20.15	3	-	**K187**	**D280S4**
	87.0	3.9	72216	24435	20.32	3	-	**K167**	**D280S4**
	84.0	1.6	75100	9810	21.15	3	-	**K127**	**D280S4**
	83.0	2.1	75700	13900	21.31	3	-	**K157**	**D280S4**
	74.0	1.4	84900	9740	23.91	3	-	**K127**	**D280S4**
	74.0	1.9	85100	14000	23.95	3	-	**K157**	**D280S4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
100	**73.0**	4.9	85934	30240	24.18	3	-	**K187**	**D280S4**
	72.0	3.2	87173	25358	24.52	3	-	**K167**	**D280S4**
	64.0	1.2	98300	9560	27.68	3	-	**K127**	**D280S4**
	64.0	1.6	98100	14100	27.62	3	-	**K157**	**D280S4**
	64.0	4.5	99120	31208	27.92	3	-	**K187**	**D280S4**
	62.0	2.8	102660	26100	28.77	3	-	**K167**	**D280S4**
	57.0	1.1	111400	9340	31.37	3	-	**K127**	**D280S4**
	57.0	1.5	111200	14100	31.30	3	-	**K157**	**D280S4**
	55.0	2.5	114165	26595	32.25	3	-	**K167**	**D280S4**
	53.0	3.8	117705	32333	33.23	3	-	**K187**	**D280S4**
	48.0	2.2	130095	27113	36.61	3	-	**K167**	**D280S4**
	47.0	1.2	135100	14000	38.02	3	-	**K157**	**D280S4**
	46.0	3.2	137175	33278	38.57	3	-	**K187**	**D280S4**
	42.0	2.9	151335	33885	42.51	3	-	**K187**	**D280S4**
	41.0	1.9	152220	27675	42.89	3	-	**K167**	**D280S4**
	39.0	2.7	161955	34290	45.50	3	-	**K187**	**D280S4**
	34.0	1.6	184080	28238	51.77	3	-	**K167**	**D280S4**
	33.0	2.3	189390	35168	53.36	3	-	**K187**	**D280S4**
	29.0	1.3	215940	28553	60.74	3	-	**K167**	**D280S4**
	28.0	2.0	227445	36068	64.04	3	-	**K187**	**D280S4**
	26.0	1.2	241605	28688	68.07	3	-	**K167**	**D280S4**
	24.0	1.7	262845	36675	73.96	3	-	**K187**	**D280S4**
	23.0	1.0	277890	28710	78.14	3	-	**K167**	**D280S4**
	20.0	1.4	312405	37238	88.00	3	-	**K187**	**D280S4**
	17.0	1.2	362850	37530	102.16	3	-	**K187**	**D280S4**
	16.0	1.1	400020	37598	112.60	3	-	**K187**	**D280S4**
120	**205.0**	1.8	37000	8460	8.68	3	-	**K127**	**D280M4**
	165.0	1.6	45800	8560	10.74	3	-	**K127**	**D280M4**
	140.0	2.8	53900	12500	12.65	3	-	**K157**	**D280M4**
	139.0	1.4	54500	8560	12.79	3	-	**K127**	**D280M4**
	124.0	1.8	61200	9100	14.35	3	-	**K127**	**D280M4**
	119.0	2.5	63600	12700	14.92	3	-	**K157**	**D280M4**
	103.0	5.0	73278	27450	17.18	3	-	**K187**	**D280M4**
	102.0	3.8	73898	23063	17.34	3	-	**K167**	**D280M4**
	100.0	1.5	75700	9030	17.77	3	-	**K127**	**D280M4**
	97.0	2.0	78300	12900	18.37	3	-	**K157**	**D280M4**
	88.0	4.5	85934	28440	20.15	3	-	**K187**	**D280M4**
	87.0	3.3	86642	23760	20.32	3	-	**K167**	**D280M4**
	84.0	1.3	90100	8860	21.15	3	-	**K127**	**D280M4**
	83.0	1.8	90800	13000	21.31	3	-	**K157**	**D280M4**
	74.0	1.2	101900	8660	23.91	3	-	**K127**	**D280M4**
	74.0	1.6	102100	13000	23.95	3	-	**K157**	**D280M4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages 1) Pri.	Gear Stages 1) Sec.	Model Gear	Model Motor
120	**73.0**	4.1	102660	29565	24.18	3	-	**K187**	**D280M4**
	72.0	2.7	104430	24548	24.52	3	-	**K167**	**D280M4**
	64.0	1.0	118000	8310	27.68	3	-	**K127**	**D280M4**
	64.0	1.4	117800	13000	27.62	3	-	**K157**	**D280M4**
	64.0	3.7	119475	30420	27.92	3	-	**K187**	**D280M4**
	62.0	2.3	123015	25133	28.77	3	-	**K167**	**D280M4**
	57.0	1.2	133400	12900	31.30	3	-	**K157**	**D280M4**
	55.0	2.1	137175	25515	32.25	3	-	**K167**	**D280M4**
	53.0	3.1	141600	31410	33.23	3	-	**K187**	**D280M4**
	48.0	1.8	155760	25898	36.61	3	-	**K167**	**D280M4**
	47.0	1.0	162100	12500	38.02	3	-	**K157**	**D280M4**
	46.0	2.7	164610	32198	38.57	3	-	**K187**	**D280M4**
	42.0	2.4	181425	32693	42.51	3	-	**K187**	**D280M4**
	41.0	1.6	183195	26258	42.89	3	-	**K167**	**D280M4**
	39.0	2.3	193815	33008	45.50	3	-	**K187**	**D280M4**
	34.0	1.3	220365	26505	51.77	3	-	**K167**	**D280M4**
	33.0	2.0	227445	33683	53.36	3	-	**K187**	**D280M4**
	29.0	1.1	259305	26550	60.74	3	-	**K167**	**D280M4**
	28.0	1.6	273465	34290	64.04	3	-	**K187**	**D280M4**
	26.0	1.0	290280	26438	68.07	3	-	**K167**	**D280M4**
	24.0	1.4	315060	34605	73.96	3	-	**K187**	**D280M4**
	20.0	1.2	375240	34785	88.00	3	-	**K187**	**D280M4**
	17.0	1.0	435420	34673	102.16	3	-	**K187**	**D280M4**
150	**141.0**	2.2	67200	11700	12.65	3	-	**K157**	**D315S4**
	119.0	2.0	79300	11800	14.92	3	-	**K157**	**D315S4**
	104.0	4.0	91155	26730	17.18	3	-	**K187**	**D315S4**
	103.0	3.1	92040	22185	17.34	3	-	**K167**	**D315S4**
	97.0	1.7	97600	11800	18.37	3	-	**K157**	**D315S4**
	88.0	2.6	107970	22748	20.32	3	-	**K167**	**D315S4**
	88.0	3.6	107085	27585	20.15	3	-	**K187**	**D315S4**
	84.0	1.4	113200	11800	21.31	3	-	**K157**	**D315S4**
	74.0	1.3	127300	11600	23.95	3	-	**K157**	**D315S4**
	74.0	3.3	128325	28530	24.18	3	-	**K187**	**D315S4**
	73.0	2.2	130095	23310	24.52	3	-	**K167**	**D315S4**
	64.0	3.0	148680	29228	27.92	3	-	**K187**	**D315S4**
	62.0	1.9	153105	23715	28.77	3	-	**K167**	**D315S4**
	55.0	1.7	171690	23918	32.25	3	-	**K167**	**D315S4**
	54.0	2.5	177000	30015	33.23	3	-	**K187**	**D315S4**
	49.0	1.5	194700	24075	36.61	3	-	**K167**	**D315S4**
	46.0	2.2	205320	30578	38.57	3	-	**K187**	**D315S4**
	42.0	1.3	228330	24120	42.89	3	-	**K167**	**D315S4**
	42.0	2.0	225675	30893	42.51	3	-	**K187**	**D315S4**
	39.0	1.9	241605	31095	45.50	3	-	**K187**	**D315S4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
150	**34.0**	1.1	275235	23963	51.77	3	-	**K167**	**D315S4**
	33.0	1.6	283200	31433	53.36	3	-	**K187**	**D315S4**
	28.0	1.3	340725	31613	64.04	3	-	**K187**	**D315S4**
	24.0	1.2	392940	31523	73.96	3	-	**K187**	**D315S4**
180	**141.0**	1.9	80700	11000	12.65	3	-	**K157**	**D315M4**
	119.0	1.7	95200	10900	14.92	3	-	**K157**	**D315M4**
	104.0	3.3	109740	26010	17.18	3	-	**K187**	**D315M4**
	103.0	2.6	110625	21330	17.34	3	-	**K167**	**D315M4**
	97.0	1.4	117100	10800	18.37	3	-	**K157**	**D315M4**
	88.0	2.2	129210	21735	20.32	3	-	**K167**	**D315M4**
	88.0	3.0	128325	26753	20.15	3	-	**K187**	**D315M4**
	84.0	1.2	135900	10500	21.31	3	-	**K157**	**D315M4**
	74.0	1.1	152700	10200	23.95	3	-	**K157**	**D315M4**
	74.0	2.7	153990	27518	24.18	3	-	**K187**	**D315M4**
	73.0	1.8	156645	22095	24.52	3	-	**K167**	**D315M4**
	64.0	2.5	177885	28080	27.92	3	-	**K187**	**D315M4**
	62.0	1.6	183195	22275	28.77	3	-	**K167**	**D315M4**
	55.0	1.4	205320	22320	32.25	3	-	**K167**	**D315M4**
	54.0	2.1	211515	28620	33.23	3	-	**K187**	**D315M4**
	49.0	1.2	233640	22253	36.61	3	-	**K167**	**D315M4**
	46.0	1.8	246030	28958	38.57	3	-	**K187**	**D315M4**
	42.0	1.1	273465	22005	42.89	3	-	**K167**	**D315M4**
	42.0	1.7	270810	29115	42.51	3	-	**K187**	**D315M4**
	39.0	1.5	290280	29183	45.50	3	-	**K187**	**D315M4**
	33.0	1.3	340725	29205	53.36	3	-	**K187**	**D315M4**
	28.0	1.1	407985	28935	64.04	3	-	**K187**	**D315M4**
220	**141.0**	1.6	98600	9960	12.65	3	-	**K157**	**D315M_a4**
	119.0	1.4	116300	9760	14.92	3	-	**K157**	**D315M_a4**
	104.0	2.7	133635	25043	17.18	3	-	**K187**	**D315M_a4**
	103.0	2.1	135405	20183	17.34	3	-	**K167**	**D315M_a4**
	97.0	1.1	143100	9310	18.37	3	-	**K157**	**D315M_a4**
	88.0	1.8	158415	20385	20.32	3	-	**K167**	**D315M_a4**
	88.0	2.5	156645	25628	20.15	3	-	**K187**	**D315M_a4**
	74.0	2.2	188505	26168	24.18	3	-	**K187**	**D315M_a4**
	73.0	1.5	191160	20475	24.52	3	-	**K167**	**D315M_a4**
	64.0	2.0	217710	26505	27.92	3	-	**K187**	**D315M_a4**
	54.0	1.7	259305	26775	33.23	3	-	**K187**	**D315M_a4**
	49.0	1.0	284970	19845	36.61	3	-	**K167**	**D315M_a4**
	39.0	1.3	354885	26663	45.50	3	-	**K187**	**D315M_a4**
	33.0	1.1	415950	26235	53.36	3	-	**K187**	**D315M_a4**
270	**141.0**	1.3	121000	8720	12.65	3	-	**K157**	**D315M_b4**
	119.0	1.1	142700	8290	14.92	3	-	**K157**	**D315M_b4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 288 for available mounting options. See page 412 for weights.
Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear Stages [1] Pri.	Gear Stages [1] Sec.	Model Gear	Model Motor
270	**104.0**	2.2	164610	23850	17.18	3	-	**K187**	**D315M_b4**
	103.0	1.7	165495	18765	17.34	3	-	**K167**	**D315M_b4**
	88.0	1.5	194700	18720	20.32	3	-	**K167**	**D315M_b4**
	88.0	2.0	192930	24210	20.15	3	-	**K187**	**D315M_b4**
	74.0	1.8	230985	24503	24.18	3	-	**K187**	**D315M_b4**
	73.0	1.2	234525	18450	24.52	3	-	**K167**	**D315M_b4**
	64.0	1.7	267270	24570	27.92	3	-	**K187**	**D315M_b4**
	54.0	1.4	317715	24458	33.23	3	-	**K187**	**D315M_b4**
	39.0	1.0	435420	23490	45.50	3	-	**K187**	**D315M_b4**

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Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
1770	**0.25**	1270	6832	3	3	**K37R17**	**DT71K4**
	0.29	1270	5922	3	3	**K37R17**	**DT71K4**
	0.31	1270	5491	3	3	**K37R17**	**DT71K4**
	0.36	1270	4759	3	3	**K37R17**	**DT71K4**
	0.41	1270	4160	3	3	**K37R17**	**DT71K4**
	0.47	1270	3645	3	3	**K37R17**	**DT71K4**
	0.53	1270	3205	3	3	**K37R17**	**DT71K4**
	0.61	1270	2801	3	3	**K37R17**	**DT71K4**
	0.69	1270	2454	3	3	**K37R17**	**DT71K4**
	0.78	1270	2166	3	3	**K37R17**	**DT71K4**
	0.90	1270	1891	3	3	**K37R17**	**DT71K4**
	1.0	1270	1660	3	3	**K37R17**	**DT71K4**
	1.2	1270	1466	3	3	**K37R17**	**DT71K4**
	1.3	1270	1288	3	3	**K37R17**	**DT71K4**
	1.5	1270	1136	3	3	**K37R17**	**DT71K4**
	1.7	1270	996	3	2	**K37R17**	**DT71K4**
	1.9	1270	876	3	2	**K37R17**	**DT71K4**
	2.2	1270	761	3	2	**K37R17**	**DT71K4**
	2.5	1270	671	3	2	**K37R17**	**DT71K4**
	2.9	1270	585	3	2	**K37R17**	**DT71K4**
	3.3	1270	512	3	2	**K37R17**	**DT71K4**
	3.8	1270	451	3	2	**K37R17**	**DT71K4**
	4.3	1270	396	3	2	**K37R17**	**DT71K4**
	4.9	1270	346	3	2	**K37R17**	**DT71K4**
	5.6	1270	304	3	2	**K37R17**	**DT71K4**
	6.4	1270	267	3	2	**K37R17**	**DT71K4**
	7.4	1270	234	3	2	**K37R17**	**DT71C4**
	8.4	1270	205	3	2	**K37R17**	**DT71C4**
	9.5	1270	181	3	2	**K37R17**	**DT71C4**
	11.0	1270	160	3	2	**K37R17**	**DT71D4**
	12.0	1270	136	3	2	**K37R17**	**DT71D4**
	13.0	1270	127	3	2	**K37R17**	**DT71D4**
	15.0	1270	110	3	2	**K37R17**	**DT80K4**
	18.0	1270	96	3	2	**K37R17**	**DT80K4**
3540	**0.17**	1330	10138	3	3	**K47R37**	**DT71K4**
	0.20	1330	8534	3	3	**K47R37**	**DT71K4**
	0.22	1330	7662	3	3	**K47R37**	**DT71K4**
	0.25	1330	6826	3	3	**K47R37**	**DT71K4**
	0.28	1330	5983	3	3	**K47R37**	**DT71K4**
	0.33	1330	5159	3	3	**K47R37**	**DT71K4**
	0.37	1330	4601	3	3	**K47R37**	**DT71K4**
	0.43	1330	3940	3	3	**K47R37**	**DT71K4**
	0.49	1330	3477	3	3	**K47R37**	**DT71K4**
	0.56	1330	3043	3	3	**K47R37**	**DT71K4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 288 for available mounting options. See page 412 for weights.
Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
1) Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
3540	**0.62**	1330	2733	3	3	**K47R37**	**DT71K4**
	0.72	1330	2354	3	3	**K47R37**	**DT71K4**
	0.82	1330	2063	3	3	**K47R37**	**DT71K4**
	0.93	1330	1819	3	3	**K47R37**	**DT71K4**
	1.1	1330	1586	3	3	**K47R37**	**DT71K4**
	1.2	1330	1388	3	3	**K47R37**	**DT71K4**
	1.4	1330	1222	3	2	**K47R37**	**DT71K4**
	1.5	1330	1097	3	2	**K47R37**	**DT71K4**
	1.8	1330	945	3	2	**K47R37**	**DT71K4**
	2.0	1330	831	3	2	**K47R37**	**DT71K4**
	2.4	1330	718	3	2	**K47R37**	**DT71K4**
	2.7	1330	639	3	2	**K47R37**	**DT71C4**
	3.1	1330	552	3	2	**K47R37**	**DT71C4**
	3.5	1330	495	3	2	**K47R37**	**DT71C4**
	4.0	1330	426	3	2	**K47R37**	**DT71C4**
	4.5	1330	375	3	2	**K47R37**	**DT71D4**
	5.2	1330	327	3	2	**K47R37**	**DT71D4**
	5.9	1330	289	3	2	**K47R37**	**DT71D4**
	6.6	1330	256	3	2	**K47R37**	**DT71D4**
	7.6	1330	225	3	2	**K47R37**	**DT80K4**
	8.6	1330	198	3	2	**K47R37**	**DT80K4**
	9.9	1330	171	3	2	**K47R37**	**DT80K4**
	11.0	1330	153	3	2	**K47R37**	**DT80N4**
	13.0	1330	131	3	2	**K47R37**	**DT80N4**
	15.0	1330	112	3	2	**K47R37**	**DT80N4**
	17.0	1330	99	3	2	**K47R37**	**DT90S4**
	18.0	1330	94	3	2	**K47R37**	**DT90S4**
5310	**0.14**	1680	12169	3	3	**K57R37**	**DT71K4**
	0.15	1680	11162	3	3	**K57R37**	**DT71K4**
	0.18	1680	9503	3	3	**K57R37**	**DT71K4**
	0.20	1680	8547	3	3	**K57R37**	**DT71K4**
	0.23	1680	7277	3	3	**K57R37**	**DT71K4**
	0.26	1680	6478	3	3	**K57R37**	**DT71K4**
	0.30	1680	5662	3	3	**K57R37**	**DT71K4**
	0.34	1680	5033	3	3	**K57R37**	**DT71K4**
	0.39	1680	4340	3	3	**K57R37**	**DT71K4**
	0.44	1680	3854	3	3	**K57R37**	**DT71K4**
	0.50	1680	3390	3	3	**K57R37**	**DT71K4**
	0.58	1680	2924	3	3	**K57R37**	**DT71K4**
	0.66	1680	2593	3	3	**K57R37**	**DT71K4**
	0.76	1680	2249	3	3	**K57R37**	**DT71K4**
	0.86	1680	1986	3	3	**K57R37**	**DT71K4**
	0.98	1680	1743	3	2	**K57R37**	**DT71K4**

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Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
1) Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
5310	**1.1**	1680	1539	3	2	**K57R37**	**DT71K4**
	1.3	1680	1354	3	2	**K57R37**	**DT71K4**
	1.5	1680	1174	3	2	**K57R37**	**DT71K4**
	1.6	1680	1036	3	2	**K57R37**	**DT71K4**
	1.9	1680	906	3	2	**K57R37**	**DT71K4**
	2.1	1680	806	3	2	**K57R37**	**DT71K4**
	2.5	1680	699	3	2	**K57R37**	**DT71C4**
	2.8	1680	615	3	2	**K57R37**	**DT71C4**
	3.2	1680	544	3	2	**K57R37**	**DT71C4**
	3.6	1680	473	3	2	**K57R37**	**DT71D4**
	4.0	1680	421	3	2	**K57R37**	**DT71D4**
	4.7	1680	362	3	2	**K57R37**	**DT71D4**
	5.3	1680	319	3	2	**K57R37**	**DT80K4**
	6.1	1680	280	3	2	**K57R37**	**DT80K4**
	6.9	1680	246	3	2	**K57R37**	**DT80K4**
	7.9	1680	215	3	2	**K57R37**	**DT80N4**
	8.9	1680	192	3	2	**K57R37**	**DT80N4**
	10.0	1680	166	3	2	**K57R37**	**DT80N4**
	12.0	1680	145	3	2	**K57R37**	**DT90S4**
	13.0	1680	129	3	2	**K57R37**	**DT90S4**
	16.0	1680	111	3	2	**K57R37**	**DT90S4**
	18.0	1680	97	3	2	**K57R37**	**DT90L4**
7260	**0.14**	2320	12139	3	3	**K67R37**	**DT71K4**
	0.15	2320	11134	3	3	**K67R37**	**DT71K4**
	0.18	2320	9479	3	3	**K67R37**	**DT71K4**
	0.21	2320	8173	3	3	**K67R37**	**DT71K4**
	0.23	2320	7259	3	3	**K67R37**	**DT71K4**
	0.26	2320	6462	3	3	**K67R37**	**DT71K4**
	0.30	2320	5648	3	3	**K67R37**	**DT71K4**
	0.35	2320	4846	3	3	**K67R37**	**DT71K4**
	0.39	2320	4329	3	3	**K67R37**	**DT71K4**
	0.45	2320	3750	3	3	**K67R37**	**DT71K4**
	0.51	2320	3315	3	3	**K67R37**	**DT71K4**
	0.58	2320	2917	3	3	**K67R37**	**DT71K4**
	0.67	2320	2532	3	3	**K67R37**	**DT71K4**
	0.76	2320	2244	3	3	**K67R37**	**DT71K4**
	0.86	2320	1981	3	3	**K67R37**	**DT71K4**
	0.98	2320	1739	3	2	**K67R37**	**DT71K4**
	1.1	2320	1535	3	2	**K67R37**	**DT71K4**
	1.3	2320	1351	3	2	**K67R37**	**DT71C4**
	1.5	2320	1171	3	2	**K67R37**	**DT71C4**
	1.7	2320	1034	3	2	**K67R37**	**DT71C4**
	1.9	2320	903	3	2	**K67R37**	**DT71C4**

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Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
7260	**2.1**	2320	793	3	2	**K67R37**	**DT71D4**
	2.4	2320	697	3	2	**K67R37**	**DT71D4**
	2.8	2320	613	3	2	**K67R37**	**DT71D4**
	3.1	2320	542	3	2	**K67R37**	**DT71D4**
	3.6	2320	471	3	2	**K67R37**	**DT80K4**
	4.1	2320	420	3	2	**K67R37**	**DT80K4**
	4.7	2320	361	3	2	**K67R37**	**DT80K4**
	5.3	2320	323	3	2	**K67R37**	**DT80N4**
	6.1	2320	279	3	2	**K67R37**	**DT80N4**
	6.9	2320	246	3	2	**K67R37**	**DT80N4**
	7.9	2320	217	3	2	**K67R37**	**DT90S4**
	9.0	2320	191	3	2	**K67R37**	**DT90S4**
	10.0	2320	166	3	2	**K67R37**	**DT90S4**
	12.0	2320	144	3	2	**K67R37**	**DT90L4**
	14.0	2320	122	3	2	**K67R37**	**DT90L4**
13700	**0.11**	3460	15310	3	3	**K77R37**	**DT71K4**
	0.12	3460	14043	3	3	**K77R37**	**DT71K4**
	0.14	3460	11955	3	3	**K77R37**	**DT71K4**
	0.17	3460	10217	3	3	**K77R37**	**DT71K4**
	0.19	3460	8809	3	3	**K77R37**	**DT71K4**
	0.23	3460	7528	3	3	**K77R37**	**DT71K4**
	0.26	3460	6606	3	3	**K77R37**	**DT71K4**
	0.29	3460	5774	3	3	**K77R37**	**DT71K4**
	0.33	3460	5089	3	3	**K77R37**	**DT71K4**
	0.38	3460	4489	3	3	**K77R37**	**DT71K4**
	0.43	3460	3961	3	3	**K77R37**	**DT71K4**
	0.49	3460	3485	3	3	**K77R37**	**DT71K4**
	0.59	3460	2901	3	3	**K77R37**	**DT71K4**
	0.63	3460	2717	3	3	**K77R37**	**DT71K4**
	0.73	3460	2370	3	3	**K77R37**	**DT71C4**
	0.84	3460	2050	3	2	**K77R37**	**DT71C4**
	0.97	3460	1772	3	2	**K77R37**	**DT71C4**
	1.1	3460	1514	3	2	**K77R37**	**DT71D4**
	1.2	3460	1388	3	2	**K77R37**	**DT71D4**
	1.4	3460	1218	3	2	**K77R37**	**DT71D4**
	1.6	3460	1053	3	2	**K77R37**	**DT71D4**
	1.8	3460	924	3	2	**K77R37**	**DT80K4**
	2.1	3460	815	3	2	**K77R37**	**DT80K4**
	2.4	3460	709	3	2	**K77R37**	**DT80K4**
	2.7	3460	622	3	2	**K77R37**	**DT80K4**
	3.1	3460	552	3	2	**K77R37**	**DT80N4**
	3.5	3460	485	3	2	**K77R37**	**DT80N4**
	4.0	3460	428	3	2	**K77R37**	**DT90S4**
	4.7	3460	367	3	2	**K77R37**	**DT90S4**

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See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
1) Pri. = primary reducer Sec. = secondary reducer.

Selections
Gearmotors - Extreme Slow Speed - Torque Rated - Service Factor = 1.0

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
13700	**5.2**	3460	328	3	2	**K77R37**	**DT90S4**
	5.9	3460	290	3	2	**K77R37**	**DT90S4**
	6.8	3460	252	3	2	**K77R37**	**DT90L4**
	7.8	3460	221	3	2	**K77R37**	**DT90L4**
	8.8	3460	195	3	2	**K77R37**	**DT100LS4**
	9.9	3460	175	3	2	**K77R37**	**DT100LS4**
	11.0	3460	154	3	2	**K77R37**	**DT100LS4**
23000	**12.0**	6160	141	3	2	**K87R57**	**DT100L4**
23900	**0.11**	6130	14829	3	3	**K87R57**	**DT71K4**
	0.13	6130	13168	3	3	**K87R57**	**DT71K4**
	0.14	6130	11737	3	3	**K87R57**	**DT71K4**
	0.17	6130	10217	3	3	**K87R57**	**DT71K4**
	0.19	6130	9073	3	3	**K87R57**	**DT71K4**
	0.22	6130	7854	3	3	**K87R57**	**DT71K4**
	0.25	6130	6832	3	3	**K87R57**	**DT71K4**
	0.29	6130	5930	3	3	**K87R57**	**DT71K4**
	0.32	6130	5240	3	3	**K87R57**	**DT71K4**
	0.37	6130	4562	3	3	**K87R57**	**DT71K4**
	0.42	6130	4037	3	3	**K87R57**	**DT71K4**
	0.47	6130	3609	3	3	**K87R57**	**DT71K4**
	0.55	6130	3107	3	3	**K87R57**	**DT71C4**
	0.63	6130	2728	3	3	**K87R57**	**DT71C4**
	0.73	6130	2371	3	3	**K87R57**	**DT71C4**
	0.81	6130	2088	3	2	**K87R57**	**DT71D4**
	0.92	6130	1854	3	2	**K87R57**	**DT71D4**
	1.0	6130	1657	3	2	**K87R57**	**DT71D4**
	1.2	6130	1415	3	2	**K87R57**	**DT80K4**
	1.4	6130	1229	3	2	**K87R57**	**DT80K4**
	1.6	6130	1078	3	2	**K87R57**	**DT80K4**
	1.8	6130	951	3	2	**K87R57**	**DT80N4**
	2.0	6130	837	3	2	**K87R57**	**DT80N4**
	2.3	6130	726	3	2	**K87R57**	**DT80N4**
	2.7	6130	638	3	2	**K87R57**	**DT90S4**
	3.1	6130	562	3	2	**K87R57**	**DT90S4**
	3.6	6130	474	3	2	**K87R57**	**DT90L4**
	4.0	6130	426	3	2	**K87R57**	**DT90L4**
	4.6	6130	373	3	2	**K87R57**	**DT90L4**
	5.2	6130	330	3	2	**K87R57**	**DT100LS4**
	5.9	6130	294	3	2	**K87R57**	**DT100LS4**
	6.9	6130	250	3	2	**K87R57**	**DT100LS4**
	7.1	6130	236	3	2	**K87R57**	**DT100L4**
	8.4	6130	201	3	2	**K87R57**	**DT100L4**
	9.2	6130	183	3	2	**K87R57**	**DT100L4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 288 for available mounting options. See page 412 for weights.
Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio *i*	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
23900	**11.0**	6130	159	3	2	**K87R57**	**DT100L4**
38000	**0.09**	8990	18091	3	3	**K97R57**	**DT71K4**
	0.10	8990	16666	3	3	**K97R57**	**DT71K4**
	0.11	8990	14897	3	3	**K97R57**	**DT71K4**
	0.13	8990	13182	3	3	**K97R57**	**DT71K4**
	0.15	8990	11677	3	3	**K97R57**	**DT71K4**
	0.16	8990	10317	3	3	**K97R57**	**DT71K4**
	0.19	8990	9083	3	3	**K97R57**	**DT71K4**
	0.21	8990	8054	3	3	**K97R57**	**DT71K4**
	0.24	8990	6970	3	3	**K97R57**	**DT71K4**
	0.28	8990	6027	3	3	**K97R57**	**DT71K4**
	0.32	8990	5391	3	3	**K97R57**	**DT71K4**
	0.37	8990	4669	3	3	**K97R57**	**DT71C4**
	0.42	8990	4082	3	3	**K97R57**	**DT71C4**
	0.47	8990	3583	3	3	**K97R57**	**DT71D4**
	0.55	8990	3108	3	3	**K97R57**	**DT71D4**
	0.62	8990	2757	3	3	**K97R57**	**DT71D4**
	0.70	8990	2419	3	2	**K97R57**	**DT71D4**
	0.80	8990	2123	3	2	**K97R57**	**DT80K4**
	0.92	8990	1856	3	2	**K97R57**	**DT80K4**
	1.0	8990	1625	3	2	**K97R57**	**DT80K4**
	1.2	8990	1430	3	2	**K97R57**	**DT80N4**
	1.4	8990	1261	3	2	**K97R57**	**DT80N4**
	1.6	8990	1102	3	2	**K97R57**	**DT90S4**
	1.8	8990	957	3	2	**K97R57**	**DT90S4**
	2.0	8990	855	3	2	**K97R57**	**DT90S4**
	2.3	8990	743	3	2	**K97R57**	**DT90L4**
	2.6	8990	652	3	2	**K97R57**	**DT90L4**
	3.0	8990	573	3	2	**K97R57**	**DT90L4**
	3.4	8990	504	3	2	**K97R57**	**DT100LS4**
	3.9	8990	437	3	2	**K97R57**	**DT100LS4**
	4.4	8990	382	3	2	**K97R57**	**DT100L4**
	4.9	8990	342	3	2	**K97R57**	**DT100L4**
	5.5	8990	305	3	2	**K97R57**	**DT100L4**
	6.5	8990	258	3	2	**K97R57**	**DT100L4**
	7.2	8990	232	3	2	**K97R57**	**DT100L4**
	8.7	8990	199	3	2	**K97R57**	**DV132S4**
63700	**10.0**	14600	174	3	2	**K107R77**	**DV132ML4**
	11.0	14500	154	3	2	**K107R77**	**DV160M4**
	12.0	14000	140	3	2	**K107R77**	**DV160M4**
70800	**0.12**	14600	14311	3	3	**K107R77**	**DT71K4**
	0.14	14600	12211	3	3	**K107R77**	**DT71K4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 288 for available mounting options. See page 412 for weights.
Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
1) Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
70800	**0.16**	14600	10677	3	3	**K107R77**	**DT71K4**
	0.18	14600	9524	3	3	**K107R77**	**DT71C4**
	0.21	14600	8328	3	3	**K107R77**	**DT71C4**
	0.24	14600	7270	3	3	**K107R77**	**DT71C4**
	0.27	14600	6184	3	3	**K107R77**	**DT71D4**
	0.30	14600	5662	3	3	**K107R77**	**DT71D4**
	0.33	14600	5138	3	3	**K107R77**	**DT71D4**
	0.39	14600	4359	3	3	**K107R77**	**DT80K4**
	0.45	14600	3810	3	3	**K107R77**	**DT80K4**
	0.51	14600	3358	3	3	**K107R77**	**DT80K4**
	0.57	14600	2977	3	3	**K107R77**	**DT80N4**
	0.65	14600	2599	3	3	**K107R77**	**DT80N4**
	0.74	14600	2286	3	3	**K107R77**	**DT80N4**
	0.89	14600	1939	3	3	**K107R77**	**DT90S4**
	1.0	14600	1713	3	2	**K107R77**	**DT90S4**
	1.1	14600	1554	3	2	**K107R77**	**DT90S4**
	1.3	14600	1336	3	2	**K107R77**	**DT90L4**
	1.5	14600	1166	3	2	**K107R77**	**DT90L4**
	1.7	14600	1030	3	2	**K107R77**	**DT100LS4**
	1.9	14600	904	3	2	**K107R77**	**DT100LS4**
	2.2	14600	793	3	2	**K107R77**	**DT100LS4**
	2.4	14600	696	3	2	**K107R77**	**DT100L4**
	2.7	14600	615	3	2	**K107R77**	**DT100L4**
	3.2	14600	522	3	2	**K107R77**	**DT100L4**
	3.7	14600	461	3	2	**K107R77**	**DT100L4**
	4.2	14600	408	3	2	**K107R77**	**DV112M4**
	4.8	14600	364	3	2	**K107R77**	**DV132S4**
	5.4	14600	318	3	2	**K107R77**	**DV132S4**
	6.1	14600	286	3	2	**K107R77**	**DV132M4**
	6.9	14600	251	3	2	**K107R77**	**DV132M4**
	7.8	14600	222	3	2	**K107R77**	**DV132M4**
	8.9	14600	196	3	2	**K107R77**	**DV132ML4**
106200	**8.8**	17900	200	3	2	**K127R87**	**DV160L4**
	11.0	17900	166	3	2	**K127R87**	**DV160L4**
	12.0	17900	147	3	2	**K127R87**	**DV180M4**
115000	**0.10**	17800	17550	3	3	**K127R77**	**DT71K4**
	0.11	17800	16006	3	3	**K127R77**	**DT71K4**
	0.11	17800	14975	3	3	**K127R77**	**DT71C4**
	0.14	17800	12440	3	3	**K127R77**	**DT71C4**
	0.16	17800	10915	3	3	**K127R77**	**DT71D4**
	0.17	17800	9819	3	3	**K127R77**	**DT71D4**
	0.20	17800	8443	3	3	**K127R77**	**DT71D4**
	0.23	17800	7482	3	3	**K127R77**	**DT71D4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
See page 288 for available mounting options. See page 412 for weights.
Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
1) Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
115000	**0.26**	17800	6565	3	3	**K127R77**	**DT80K4**
	0.29	17800	5804	3	3	**K127R77**	**DT80K4**
	0.34	17800	5027	3	3	**K127R77**	**DT80K4**
	0.38	17800	4423	3	3	**K127R77**	**DT80N4**
	0.44	17800	3889	3	3	**K127R77**	**DT80N4**
	0.52	17800	3311	3	3	**K127R77**	**DT90S4**
	0.57	17800	3009	3	3	**K127R77**	**DT90S4**
	0.66	17800	2607	3	3	**K127R77**	**DT90S4**
	0.76	17800	2268	3	3	**K127R77**	**DT90L4**
	0.89	17800	1926	3	2	**K127R77**	**DT90L4**
	0.98	17800	1757	3	2	**K127R77**	**DT90L4**
	1.1	17800	1541	3	2	**K127R77**	**DT100LS4**
	1.3	17800	1342	3	2	**K127R77**	**DT100LS4**
	1.5	17800	1177	3	2	**K127R77**	**DT100LS4**
	1.6	17800	1025	3	2	**K127R77**	**DT100L4**
	1.9	17800	899	3	2	**K127R77**	**DT100L4**
	2.1	17800	790	3	2	**K127R77**	**DT100L4**
	2.4	17800	704	3	2	**K127R77**	**DT100L4**
	2.8	17800	610	3	2	**K127R77**	**DV132S4**
	3.2	17800	549	3	2	**K127R77**	**DV132S4**
	3.2	17800	536	3	2	**K127R87**	**DV132S4**
	3.6	17800	477	3	2	**K127R77**	**DV132S4**
	3.7	17800	473	3	2	**K127R87**	**DV132S4**
	4.2	17800	418	3	2	**K127R77**	**DV132M4**
	4.2	17800	418	3	2	**K127R87**	**DV132M4**
	4.7	17800	367	3	2	**K127R87**	**DV132M4**
	5.3	17800	330	3	2	**K127R87**	**DV132ML4**
	6.1	17800	287	3	2	**K127R87**	**DV132ML4**
	6.9	17800	253	3	2	**K127R87**	**DV160M4**
	8.3	17800	213	3	2	**K127R87**	**DV160L4**
159300	**0.10**	25200	17679	3	3	**K157R97**	**DT80K4**
	0.11	25200	15729	3	3	**K157R97**	**DT80K4**
	0.12	25200	14721	3	3	**K157R97**	**DT80K4**
	0.13	25200	13097	3	3	**K157R97**	**DT80K4**
	0.15	25200	11368	3	3	**K157R97**	**DT80K4**
	0.17	25200	10114	3	3	**K157R97**	**DT80K4**
	0.20	25200	8718	3	3	**K157R97**	**DT80K4**
	0.22	25200	7734	3	3	**K157R97**	**DT80K4**
	0.25	25200	6881	3	3	**K157R97**	**DT80N4**
	0.29	25200	5931	3	3	**K157R97**	**DT80N4**
	0.34	25200	5074	3	3	**K157R97**	**DT90S4**
	0.38	25200	4514	3	3	**K157R97**	**DT90S4**
	0.43	25200	3979	3	3	**K157R97**	**DT90S4**
	0.49	25200	3516	3	3	**K157R97**	**DT90S4**

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Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
1) Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
159300	**0.56**	25200	3051	3	3	**K157R97**	**DT90L4**
	0.66	25200	2610	3	3	**K157R97**	**DT90L4**
	0.74	25200	2322	3	3	**K157R97**	**DT100LS4**
	0.85	25200	2029	3	3	**K157R97**	**DT100LS4**
	0.95	25200	1805	3	3	**K157R97**	**DT100LS4**
	1.0	25200	1659	3	2	**K157R97**	**DT100LS4**
	1.2	25200	1365	3	2	**K157R97**	**DT100L4**
	1.4	25200	1229	3	2	**K157R97**	**DT100L4**
	1.5	25200	1093	3	2	**K157R97**	**DT100L4**
	1.8	25200	942	3	2	**K157R97**	**DV112M4**
	2.0	25200	854	3	2	**K157R97**	**DV132S4**
	2.3	25200	756	3	2	**K157R97**	**DV132S4**
	2.6	25200	661	3	2	**K157R97**	**DV132S4**
	3.1	25200	567	3	2	**K157R97**	**DV132M4**
	3.5	25200	504	3	2	**K157R97**	**DV132M4**
	4.0	25200	434	3	2	**K157R97**	**DV132ML4**
	4.5	25200	385	3	2	**K157R107**	**DV160M4**
	4.6	25200	379	3	2	**K157R97**	**DV160M4**
	5.2	25200	333	3	2	**K157R97**	**DV160M4**
	5.4	25200	325	3	2	**K157R107**	**DV160L4**
	5.9	25200	299	3	2	**K157R107**	**DV160L4**
	6.1	25200	291	3	2	**K157R97**	**DV160L4**
	6.9	25200	253	3	2	**K157R107**	**DV160L4**
	7.6	25200	230	3	2	**K157R107**	**DV180M4**
	8.3	25200	213	3	2	**K157R107**	**DV180M4**
	9.4	25200	187	3	2	**K157R107**	**DV180L4**
	11.0	24200	157	3	2	**K157R107**	**DV200L4**
	14.0	21800	122	3	2	**K157R107**	**DV200L4**
	16.0	20600	107	3	2	**K157R107**	**DV225S4**
283200	**0.09**	150000	19723	3	3	**K167R97**	**DT80K4**
	0.10	150000	17406	3	3	**K167R97**	**DT80K4**
	0.11	150000	15000	3	3	**K167R97**	**DT80K4**
	0.13	150000	13238	3	3	**K167R97**	**DT80K4**
	0.15	150000	11573	3	3	**K167R97**	**DT80N4**
	0.17	150000	10264	3	3	**K167R97**	**DT80N4**
	0.20	150000	8628	3	3	**K167R97**	**DT90S4**
	0.27	150000	6562	3	3	**K167R97**	**DT90S4**
	0.32	150000	5355	3	3	**K167R97**	**DT90L4**
	0.36	150000	4788	3	3	**K167R97**	**DT90L4**
	0.42	150000	4079	3	3	**K167R97**	**DT100LS4**
	0.51	150000	3376	3	3	**K167R97**	**DT100LS4**
	0.61	150000	2755	3	3	**K167R97**	**DT100L4**
	0.74	150000	2263	3	3	**K167R97**	**DT100L4**
	0.77	150000	2182	3	2	**K167R97**	**DT100L4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
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Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
1) Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
283200	**0.99**	150000	1704	3	2	**K167R97**	**DT100L4**
	1.2	150000	1408	3	2	**K167R97**	**DV132S4**
	1.3	150000	1296	3	2	**K167R97**	**DV132S4**
	1.6	150000	1101	3	2	**K167R97**	**DV132M4**
	1.8	150000	944	3	2	**K167R97**	**DV132M4**
	2.1	150000	843	3	2	**K167R97**	**DV132ML4**
	2.3	150000	757	3	2	**K167R97**	**DV132ML4**
	2.8	150000	632	3	2	**K167R97**	**DV160M4**
	3.1	150000	561	3	2	**K167R97**	**DV160L4**
	3.7	150000	481	3	2	**K167R97**	**DV160L4**
	4.2	150000	423	3	2	**K167R97**	**DV180M4**
	4.8	150000	369	3	2	**K167R97**	**DV180M4**
	5.5	150000	318	3	2	**K167R107**	**DV180L4**
	6.3	150000	278	3	2	**K167R107**	**DV200L4**
	7.2	150000	244	3	2	**K167R107**	**DV200L4**
	8.3	150000	213	3	2	**K167R107**	**DV225S4**
	8.6	150000	206	3	2	**K167R107**	**DV225S4**
	9.8	150000	180	3	2	**K167R107**	**DV225S4**
	11.0	150000	160	3	2	**K167R107**	**DV225M4**
	13.0	150000	135	3	2	**K167R107**	**DV225M4**
	15.0	150000	118	3	2	**K167R107**	**DV225M4**
442500	**0.05**	189900	32625	3	3	**K187R97**	**DT80K4**
	0.06	189900	27165	3	3	**K187R97**	**DT80K4**
	0.07	189900	24353	3	3	**K187R97**	**DT80K4**
	0.09	189900	19144	3	3	**K187R97**	**DT80N4**
	0.10	189900	16978	3	3	**K187R97**	**DT80N4**
	0.12	189900	14272	3	3	**K187R97**	**DT80N4**
	0.13	189900	13116	3	3	**K187R97**	**DT90S4**
	0.15	189900	11647	3	3	**K187R97**	**DT90S4**
	0.17	189900	10413	3	3	**K187R97**	**DT90S4**
	0.18	189900	9363	3	3	**K187R97**	**DT90L4**
	0.21	189900	8126	3	3	**K187R97**	**DT90L4**
	0.23	189900	7343	3	3	**K187R97**	**DT90L4**
	0.25	189900	6747	3	3	**K187R97**	**DT100LS4**
	0.29	189900	5991	3	3	**K187R97**	**DT100LS4**
	0.32	189900	5358	3	3	**K187R97**	**DT100LS4**
	0.36	189900	4817	3	3	**K187R97**	**DT100LS4**
	0.38	189900	4370	3	3	**K187R97**	**DT100L4**
	0.47	189900	3609	3	2	**K187R97**	**DT100L4**
	0.55	189900	3062	3	2	**K187R97**	**DT100L4**
	0.60	189900	2818	3	3	**K187R97**	**DT100L4**
	0.69	189900	2519	3	2	**K187R97**	**DV112M4**
	0.76	189900	2268	3	2	**K187R97**	**DV132S4**

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Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
1) Pri. = primary reducer Sec. = secondary reducer.

Selections
Gearmotors - Extreme Slow Speed - Torque Rated - Service Factor = 1.0

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio *i*	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
442500	**0.84**	189900	2054	3	2	**K187R97**	**DV132S4**
	0.94	189900	1821	3	2	**K187R97**	**DV132S4**
	1.1	189900	1605	3	2	**K187R97**	**DV132M4**
	1.2	189900	1395	3	2	**K187R97**	**DV132M4**
	1.5	189900	1196	3	2	**K187R97**	**DV132ML4**
	1.7	189900	1046	3	2	**K187R97**	**DV160M4**
	1.8	189900	945	3	2	**K187R97**	**DV160M4**
	2.1	189900	835	3	2	**K187R107**	**DV160L4**
	2.4	189900	738	3	2	**K187R97**	**DV160L4**
	2.4	189900	729	3	2	**K187R107**	**DV160L4**
	2.8	189900	622	3	2	**K187R107**	**DV180M4**
	2.8	189900	621	3	2	**K187R97**	**DV180M4**
	3.3	189900	527	3	2	**K187R97**	**DV180L4**
	3.4	189900	520	3	2	**K187R107**	**DV180L4**
	3.9	189900	454	3	2	**K187R107**	**DV200L4**
	4.9	189900	355	3	2	**K187R107**	**DV200L4**
	6.7	189900	261	3	2	**K187R107**	**DV225M4**
	7.9	189900	221	3	2	**K187R107**	**DV225M4**
	9.1	189900	193	3	2	**K187R107**	**DV225M4**
	11.0	188500	163	3	2	**K187R107**	**DV225M4**

NOTES: Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.
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Overhung loads (OHL) apply only for K gearmotors and are at the shaft midpoint.
See page 356 for index to K gearmotor dimension pages. Dimensions are on pages 358 - 399.
[1] Pri. = primary reducer Sec. = secondary reducer.

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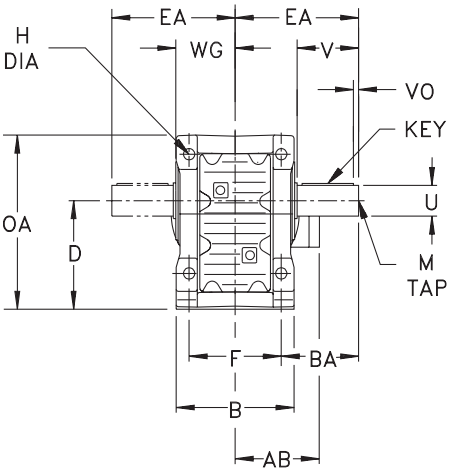
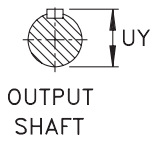
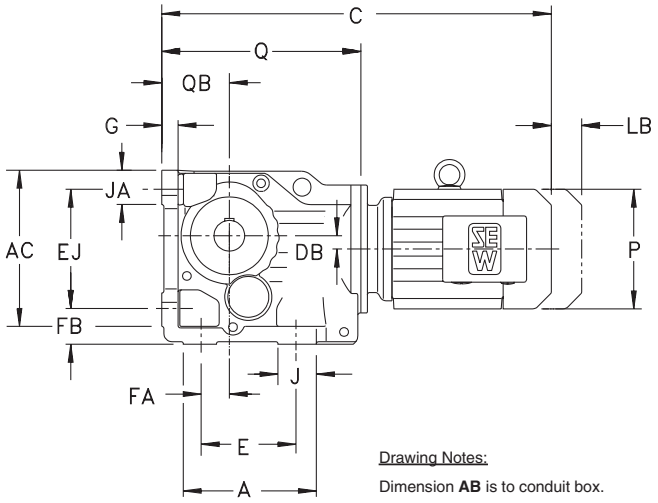
Helical Bevel Gear Units

Dimensions
Type K Gearmotors - Foot Mounted







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AC	B	BA	D *	DB	E	EA	EJ	F	FA	FB	G	H	J	JA
K37	5.63 143	5.91 150	4.72 120	2.36 60	3.94 100	0.33 8.5	4.33 110	4.33 110	4.53 115	3.94 100	1.10 28	1.26 32	0.63 16	0.43 11	1.50 38	1.42 36
K47	6.38 162	6.69 170	5.71 145	2.95 75	4.41 112	0.28 7.2	5.12 130	5.31 135	5.12 130	4.72 120	1.38 35	1.46 37	0.71 18	0.43 11	1.38 35	1.46 37
K57	6.77 172	7.48 190	6.18 157	3.46 88	5.20 132	0.52 13.1	5.12 130	6.02 153	5.91 150	5.12 130	1.18 30	1.77 45	0.83 21	0.53 13.5	1.57 40	1.69 43
K67	6.69 170	7.99 203	6.69 170	3.98 101	5.51 140	0.79 20	4.72 120	6.73 171	6.30 160	5.51 140	1.18 30	1.77 45	0.94 24	0.53 13.5	2.17 55	1.69 43

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	OA	Q	QB	WG
K37	6.46 164	7.95 202	2.48 63	2.36 60
K47	7.32 186	9.33 237	2.80 71	2.85 72.5
K57	8.54 217	9.96 253	3.15 80	3.15 80
K67	8.98 228	10.59 269	3.54 90	3.41 86.5

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.000 *25*	1.11 *28*	1.97 *50*	0.32 *5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1{}^{5}/_{16}$ *8 x 7 x 40*	$^{3}/_{8}$–16 × 0.87 *M10 x 22*
1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1{}^{11}/_{16}$ *8 x 7 x 50*	$^{1}/_{2}$–13 × 1.12 *M10 x 22*
1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^{5}/_{16} \times {}^{5}/_{16} \times 1{}^{13}/_{16}$ *10 x 8 x 56*	$^{1}/_{2}$–13 × 1.12 *M12 x 28*
1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	$^{3}/_{8} \times {}^{3}/_{8} \times 2{}^{1}/_{4}$ *12 x 8 x 70*	$^{5}/_{8}$–11 × 1.38 *M16 x 36*

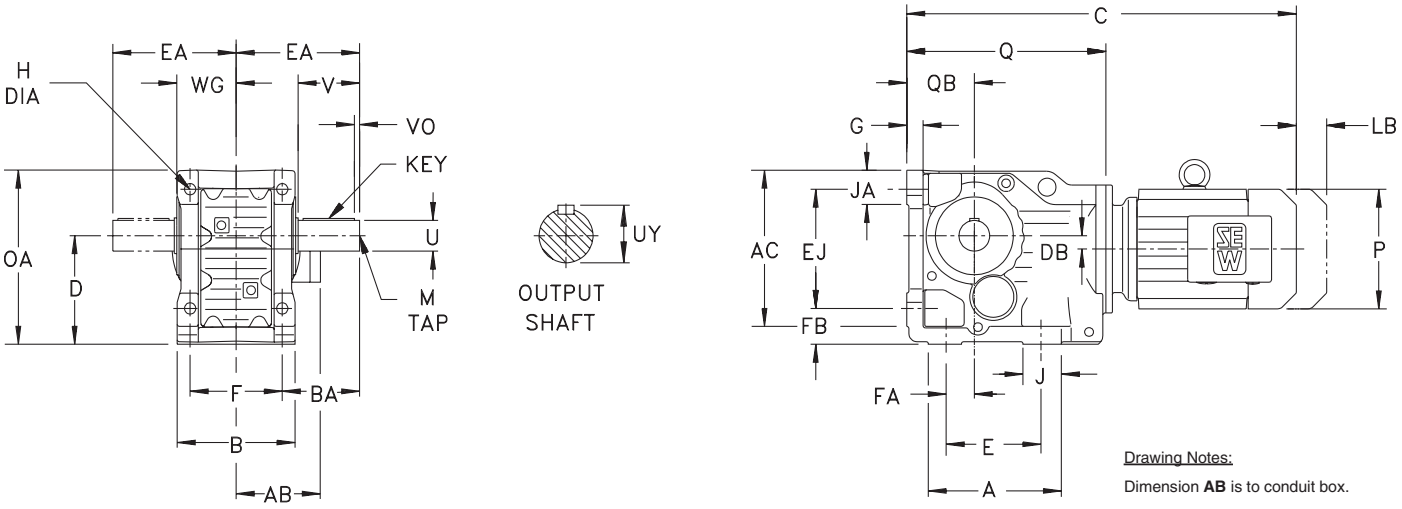
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
K37	**C**	16.02 407	17.99 457	18.78 477	20.87 530	— —	— —	— —
K47	**C**	17.17 436	19.13 486	19.92 506	21.89 556	— —	— —	— —
K57	**C**	17.80 452	19.76 502	20.55 522	22.52 572	23.90 607	25.79 655	26.65 677
K67	**C**	18.43 468	20.39 518	21.18 538	23.15 588	24.53 623	26.42 671	27.28 693

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 408 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AC	B	BA	D *	DB	E	EA	EJ	F	FA	FB	G	H	J	JA
K77	8.19 208	10.35 263	7.87 200	4.86 123.5	7.09 180	1.23 31.3	5.91 150	8.11 206	7.87 200	6.50 165	1.57 40	2.17 55	1.06 27	0.69 17.5	2.17 55	2.17 55
K87	10.24 260	12.01 305	9.06 230	5.91 150	8.35 212	1.02 25.9	7.09 180	9.45 240	9.17 233	7.09 180	2.17 55	2.76 70	1.26 32	0.87 22	2.95 75	2.64 67
K97	11.57 294	14.65 372	11.42 290	6.73 171	10.43 265	1.27 32.3	9.45 240	11.46 291	11.61 295	9.45 240	2.95 75	2.95 75	1.42 36	1.02 26	2.36 60	3.23 82
K107	14.96 380	17.64 448	13.39 340	8.35 212	12.40 315	2.05 52	11.02 280	13.66 347	14.17 360	10.63 270	3.74 95	3.74 95	1.57 40	1.30 33	3.94 100	3.86 98

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	OA	Q	QB	WG
K77	11.34 288	12.36 314	4.41 112	3.98 101
K87	13.39 340	15.31 389	5.20 132	4.57 116
K97	16.42 417	17.20 437	6.30 160	5.75 146
K107	19.80 503	21.30 541	7.87 200	6.89 175

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
2.000 *50*	2.22 *53.5*	3.94 *100*	0.64 *10*	$^{1}/_{2} \times {}^{1}/_{2} \times 2^{5}/_{8}$ *14 x 9 x 80*	$^{3}/_{4}$–10 × 1.61 *M16 x 36*
2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{5}/_{8}$ *18 x 11 x 110*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*
2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	$^{3}/_{4} \times {}^{3}/_{4} \times 4^{1}/_{8}$ *20 x 12 x 125*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*
3.625 *90*	4.01 *95*	6.69 *170*	0.63 *5*	$^{7}/_{8} \times {}^{7}/_{8} \times 5^{3}/_{8}$ *25 x 14 x 160*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

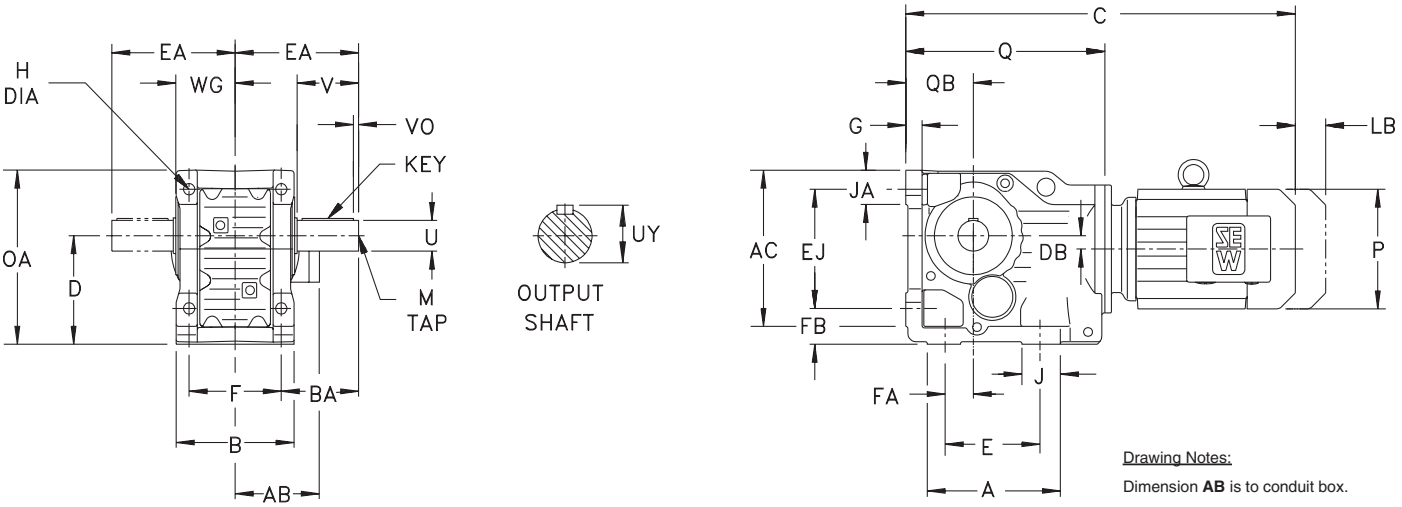
Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M	DV 132ML	DV 160M	DV 160L	DV 180	DV 200	DV 225
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
K77	**C**	19.96 507	21.93 557	22.64 575	24.61 625	26.02 661	27.80 706	28.58 726	30.94 786	30.94 786	— —	— —	— —	— —
K87	**C**	— —	24.69 627	25.43 646	27.40 696	28.78 731	30.55 776	31.34 796	33.70 856	33.70 856	35.59 904	38.39 975	— —	— —
K97	**C**	— —	— —	27.09 688	29.09 739	30.47 774	32.24 819	33.03 839	35.39 899	35.39 899	37.28 947	40.12 1019	41.97 1066	— —
K107	**C**	— —	— —	— —	32.91 836	34.33 872	36.10 917	36.89 937	39.25 997	39.25 997	41.14 1045	43.98 1117	45.83 1164	49.06 1246

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 408 for available output shaft sizes.

Dimensions
Type K Gearmotors - Foot Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AC	B	BA	D *	DB	E	EA	EJ	F	FA	FB	G	H	J	JA
K127	17.32 440	20.71 526	15.75 400	9.96 253	14.76 375	2.09 53	13.78 350	16.46 418	16.54 420	12.99 330	4.53 115	4.33 110	1.77 45	1.54 39	3.94 100	4.37 111
K157	18.90 480	24.96 634	19.69 500	9.72 247	17.72 450	2.82 71.7	14.96 380	17.99 457	19.69 500	16.54 420	5.51 140	5.12 130	1.97 50	1.54 39	3.94 100	5.12 130

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	OA	Q	QB	WG
K127	23.31 592	24.21 615	8.86 225	7.99 203
K157	27.76 705	27.80 706	11.02 280	9.84 250

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	$1^{1}/_{4} \times 1^{1}/_{4} \times 6^{9}/_{16}$ *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*

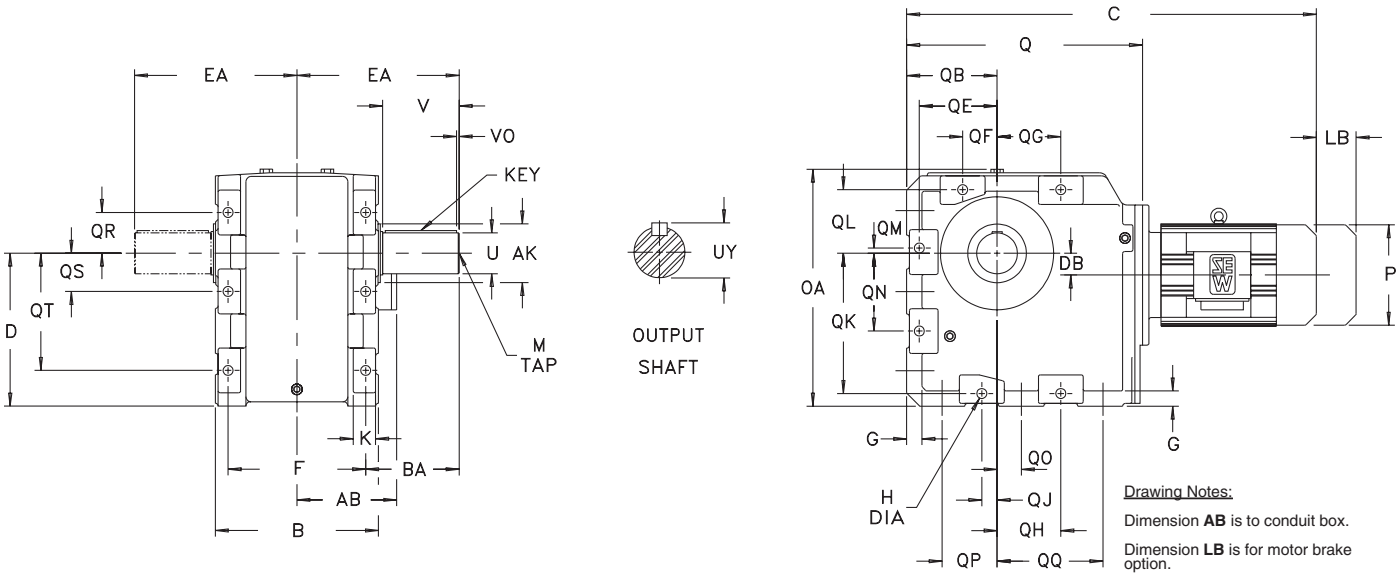
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DV 132M	132ML	160M	160L	180	200	225
	AB	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
K127	**C**	39.21 996	41.57 1056	41.57 1056	43.46 1104	46.30 1176	48.15 1223	51.38 1305
K157	**C**	— —	44.84 1139	44.84 1139	46.73 1187	49.57 1259	51.42 1306	54.65 1388

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 408 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	AK *	B	BA	D *	DB	EA	F	G	H	K	OA	Q	QB	QE	QF
K167	9.06 230	22.83 580	12.40 315	19.69 500	3.82 97	21.85 555	18.90 480	1.97 50	1.30 33	4.09 104	30.94 786	32.95 837	12.40 315	10.43 265	4.53 115
K187	10.24 260	25.20 640	15.24 387	23.62 600	4.41 112	25.87 657	21.26 540	1.97 50	1.54 39	4.33 110	37.09 942	37.24 946	13.98 355	12.01 305	5.31 135

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	QG	QH	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT
K167	8.27 210	8.27 210	2.76 70	17.72 450	8.66 220	0.87 22	9.84 250	2.76 70	7.87 200	13.39 340	6.10 155	4.53 115	15.16 385
K187	9.84 250	9.84 250	2.36 60	21.65 550	9.84 250	0.20 5	12.01 305	3.74 95	8.46 215	15.94 405	6.30 160	5.91 150	18.11 460

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
K167	6.250 *160*	6.65 *169*	9.84 *250*	.59 *15*	$1^{1}/_{2} \times 1^{1}/_{2} \times 7^{1}/_{8}$ *40 x 22 x 220*	$1^{1}/_{8}$–7 × 2.44 *M30 x 63*
K187	7.500 *190*	8.27 *200*	12.60 *320*	.39 *10*	$1^{3}/_{4} \times 1^{3}/_{4} \times 10$ *45 x 25 x 300*	$1^{1}/_{8}$–7 × 2.44 *M30 x 63*

*** Note: See page 33 for applicable tolerances.**

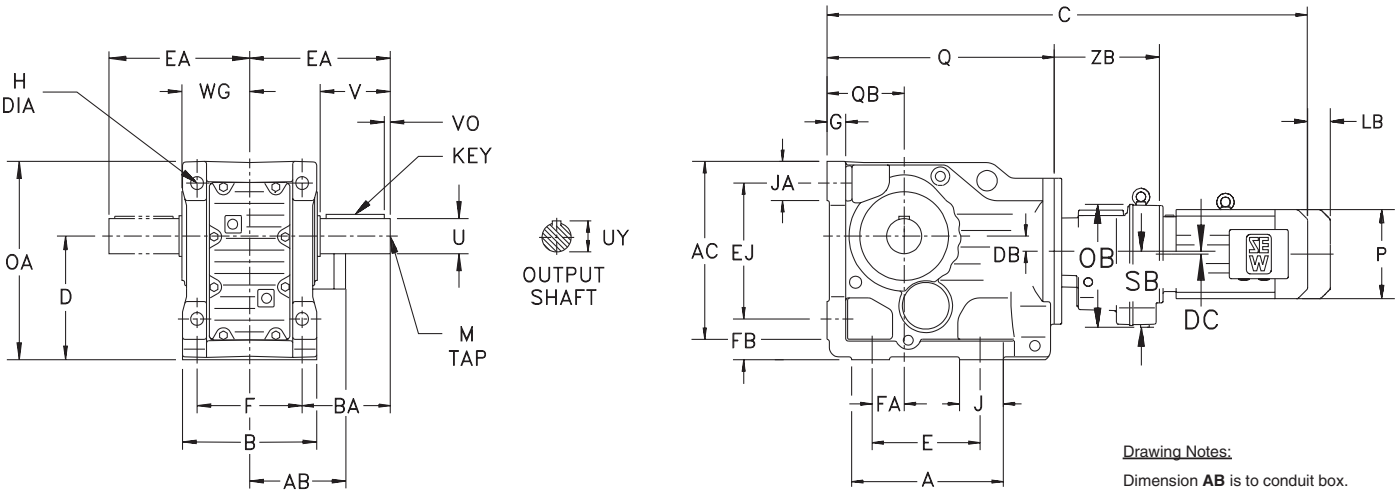
Motor

Model		DV 132ML	DV 160M	DV 160L	DV 180	DV 200	DV 225
	AB	9.06 230	9.06 230	10.20 259	9.96 253	11.22 285	11.38 289
	LB	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
K167	C	50.00 1270	50.00 1270	51.86 1317	54.69 1389	56.57 1437	59.80 1519
K187	C	54.29 1379	54.29 1379	56.14 1426	58.98 1498	60.87 1546	64.09 1628

Dimensions are inch / mm

See page 408 for available output shaft sizes.

Dimensions
Type K Gearmotors - Foot Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AC	B	BA	D *	DB	DC	E	EA	EJ	F	FA	FB	G	H	J
K37R17	5.63 143	5.91 150	4.72 120	2.36 60	3.94 100	0.33 8.5	0.00 0	4.33 110	4.33 110	4.53 115	3.94 100	1.10 28	1.26 32	0.63 16	0.43 11	1.50 38
K47R37	6.38 162	6.69 170	5.71 145	2.95 75	4.41 112	0.28 7.2	0.40 10.1	5.12 130	5.31 135	5.12 130	4.72 120	1.38 35	1.46 37	0.71 18	0.43 11	1.38 35
K57R37	6.77 172	7.48 190	6.18 157	3.46 88	5.20 132	0.52 13.1	0.40 10.1	5.12 130	6.02 153	5.91 150	5.12 130	1.18 30	1.77 45	0.83 21	0.53 13.5	1.57 40
K67R37	6.69 170	7.99 203	6.69 170	3.98 101	5.51 140	0.79 20	0.40 10.1	4.72 120	6.73 171	6.30 160	5.51 140	1.18 30	1.77 45	0.94 24	0.53 13.5	2.17 55

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	JA	OA	OB	Q	QB	SB	WG	ZB
K37R17	1.42 36	6.46 164	5.31 135	7.95 202	2.48 63	2.99 76	2.36 60	6.89 175
K47R37	1.46 37	7.32 186	6.10 155	9.33 237	2.80 71	3.70 94	2.85 72.5	6.50 165
K57R37	1.69 43	8.54 217	6.10 155	9.96 253	3.15 80	3.70 94	3.15 80	6.50 165
K67R37	1.69 43	8.98 228	6.10 155	10.59 269	3.54 90	3.70 94	3.41 86.5	6.50 165

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.000 *25*	1.11 *28*	1.97 *50*	0.32 *5*	$^1/_4 \times {}^1/_4 \times 1^5/_{16}$ *8 x 7 x 40*	$^3/_8$–16 × 0.87 *M10 x 22*
1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^1/_4 \times {}^1/_4 \times 1^{11}/_{16}$ *8 x 7 x 50*	$^1/_2$–13 × 1.12 *M10 x 22*
1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^5/_{16} \times {}^5/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^1/_2$–13 × 1.12 *M12 x 28*
1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	$^3/_8 \times {}^3/_8 \times 2^1/_4$ *12 x 8 x 70*	$^5/_8$–11 × 1.38 *M16 x 36*

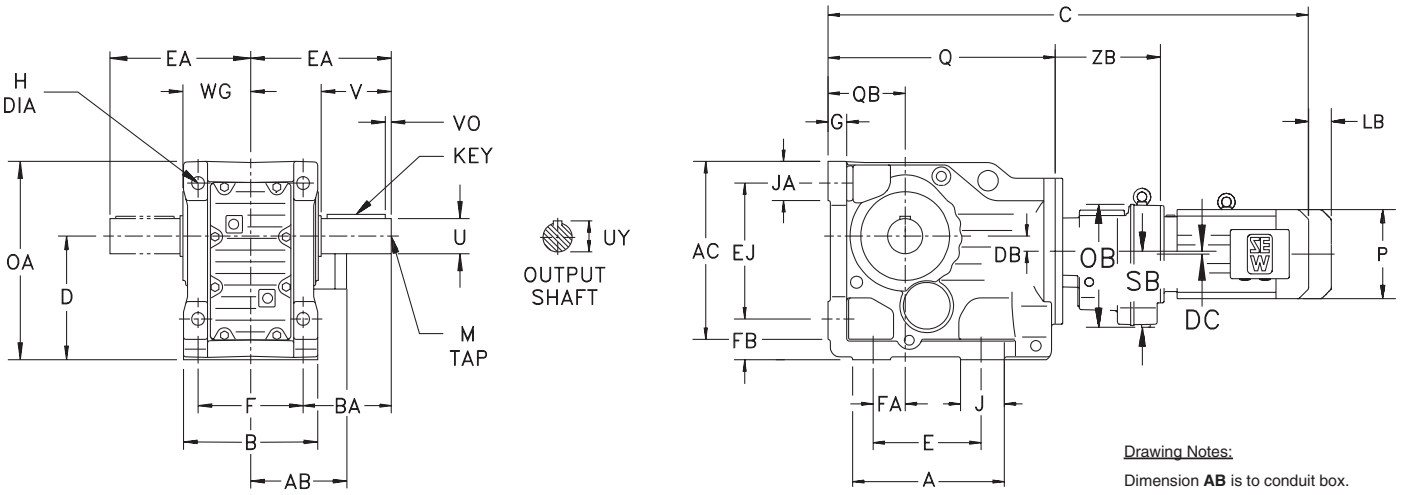
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT			
		71	**80**	**90**	**100**
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
K37R17	**C**	21.30 541	23.27 591	— —	— —
K47R37	**C**	23.90 607	25.87 657	26.65 677	28.74 730
K57R37	**C**	24.53 623	26.50 673	27.28 693	29.37 746
K67R37	**C**	25.16 639	27.13 689	27.91 709	30.00 762

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 408 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AC	B	BA	D *	DB	DC	E	EA	EJ	F	FA	FB	G	H	J
K77R37	8.19 208	10.35 263	7.87 200	4.86 123.5	7.09 180	1.23 31.3	0.40 10.1	5.91 150	8.11 206	7.87 200	6.50 165	1.57 40	2.17 55	1.06 27	0.69 17.5	2.17 55
K87R57	10.24 260	12.01 305	9.06 230	5.91 150	8.35 212	1.02 25.9	0.44 11.2	7.09 180	9.45 240	9.17 233	7.09 180	2.17 55	2.76 70	1.26 32	0.87 22	2.95 75
K97R57	11.57 294	14.65 372	11.42 290	6.73 171	10.43 265	1.27 32.3	0.44 11.2	9.45 240	11.46 291	11.61 295	9.45 240	2.95 75	2.95 75	1.42 36	1.02 26	2.36 60
K107R77	14.96 380	17.64 448	13.39 340	8.35 212	12.40 315	2.05 52	0.63 15.9	11.02 280	13.66 347	14.17 360	10.63 270	3.74 95	3.74 95	1.57 40	1.30 33	3.94 100

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	JA	OA	OB	Q	QB	SB	WG	ZB
K77R37	2.17 55	11.34 288	6.10 155	12.36 314	4.41 112	3.70 94	3.98 101	6.18 157
K87R57	2.64 67	13.39 340	7.60 193	15.31 389	5.20 132	4.76 121	4.57 116	8.50 216
K97R57	3.23 82	16.42 417	7.60 193	17.20 437	6.30 160	4.76 121	5.75 146	8.31 211
K107R77	3.86 98	19.80 503	9.13 232	21.30 541	7.87 200	5.67 144	6.89 175	9.72 247

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
2.000 *50*	2.22 *53.5*	3.94 *100*	0.64 *10*	$^{1}/_{2} \times {}^{1}/_{2} \times 2^{5}/_{8}$ *14 x 9 x 80*	$^{3}/_{4}$–10 × 1.61 *M16 x 36*
2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{5}/_{8}$ *18 x 11 x 110*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*
2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	$^{3}/_{4} \times {}^{3}/_{4} \times 4^{1}/_{8}$ *20 x 12 x 125*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*
3.625 *90*	4.01 *95*	6.69 *170*	0.63 *5*	$^{7}/_{8} \times {}^{7}/_{8} \times 5^{3}/_{8}$ *25 x 14 x 160*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

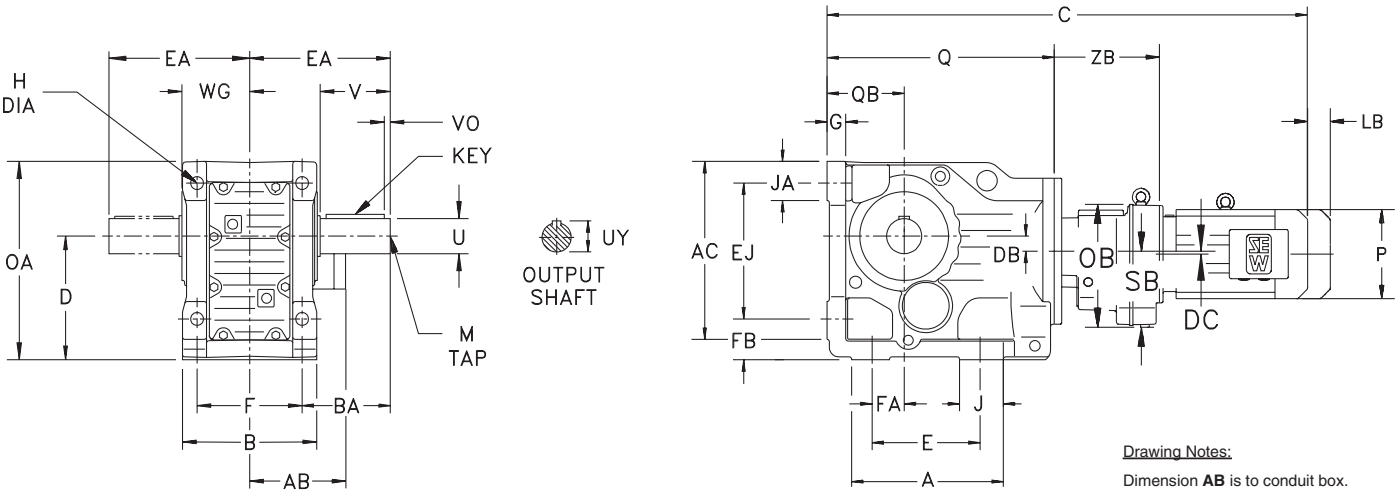
Motor

Model		DT				DV				
		71	80	90	100	112M	132S	132M	132ML	160M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275
K77R37	**C**	26.61 676	28.58 726	29.37 746	31.46 799	— —	— —	— —	— —	— —
K87R57	**C**	31.65 804	33.62 854	34.41 874	36.38 924	37.76 959	39.65 1007	40.51 1029	— —	— —
K97R57	**C**	33.35 847	35.31 897	36.10 917	38.07 967	39.45 1002	41.34 1050	42.20 1072	— —	— —
K107R77	**C**	38.62 981	40.59 1031	41.30 1049	43.27 1099	44.69 1135	46.46 1180	47.24 1200	49.61 1260	49.61 1260

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 408 for available output shaft sizes.

Dimensions
Type K Gearmotors - Foot Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AC	B	BA	D *	DB	DC	E	EA	EJ	F	FA	FB	G	H	J
K127R77	17.32 440	20.71 526	15.75 400	9.96 253	14.76 375	2.09 53	0.63 15.9	13.78 350	16.46 418	16.54 420	12.99 330	4.53 115	4.33 110	1.77 45	1.54 39	3.94 100
K127R87	17.32 440	20.71 526	15.75 400	9.96 253	14.76 375	2.09 53	0.50 12.6	13.78 350	16.46 418	16.54 420	12.99 330	4.53 115	4.33 110	1.77 45	1.54 39	3.94 100
K157R97	18.90 480	24.96 634	19.69 500	9.72 247	17.72 450	2.82 71.7	0.40 10.2	14.96 380	17.99 457	19.69 500	16.54 420	5.51 140	5.12 130	1.97 50	1.54 39	3.94 100
K157R107	18.90 480	24.96 634	19.69 500	9.72 247	17.72 450	2.82 71.7	0.80 20.4	14.96 380	17.99 457	19.69 500	16.54 420	5.51 140	5.12 130	1.97 50	1.54 39	3.94 100

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	JA	OA	OB	Q	QB	SB	WG	ZB
K127R77	4.37 111	23.31 592	9.13 232	24.21 615	8.86 225	5.67 144	7.99 203	9.13 232
K127R87	4.37 111	23.31 592	11.77 299	24.21 615	8.86 225	7.24 184	7.99 203	11.02 280
K157R97	5.12 130	27.76 705	14.72 374	27.80 706	11.02 280	9.06 230	9.84 250	12.80 325
K157R107	5.12 130	27.76 705	16.26 413	27.80 706	11.02 280	10.04 255	9.84 250	15.04 382

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	$1^{1}/_{4} \times 1^{1}/_{4} \times 6^{9}/_{16}$ *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*
4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	$1^{1}/_{4} \times 1^{1}/_{4} \times 6^{9}/_{16}$ *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*

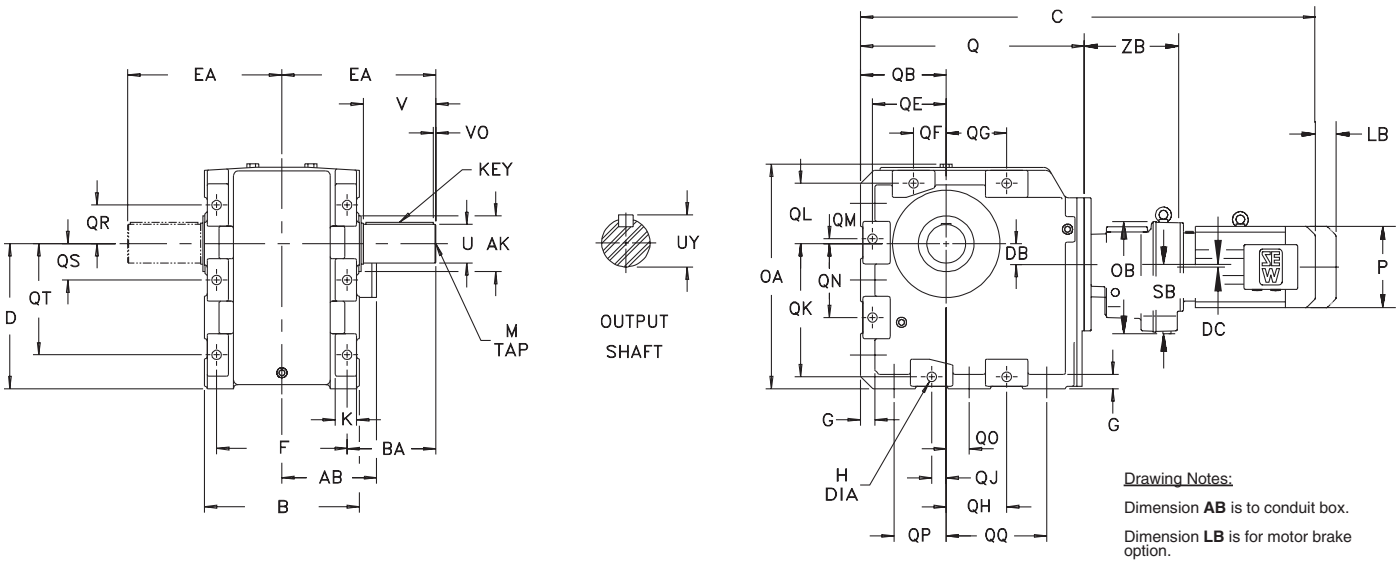
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M	DV 132ML	DV 160M	DV 160L	DV 180	DV 200	DV 225
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
K127R77	**C**	40.94 1040	42.91 1090	43.62 1108	45.59 1158	47.01 1194	48.78 1239	49.57 1259	51.93 1319	51.93 1319	— —	— —	— —	— —
K127R87	**C**	— —	44.61 1133	45.35 1152	47.32 1202	48.70 1237	50.47 1282	51.26 1302	53.62 1362	53.62 1362	55.51 1410	58.31 1481	— —	— —
K157R97	**C**	— —	49.69 1262	50.47 1282	52.48 1333	53.86 1368	55.63 1413	56.42 1433	58.78 1493	58.78 1493	60.67 1541	63.50 1613	65.35 1660	— —
K157R107	**C**	— —	— —	— —	54.45 1383	55.87 1419	57.64 1464	58.43 1484	60.79 1544	60.79 1544	62.68 1592	65.51 1664	67.36 1711	70.59 1793

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 408 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	AK *	B	BA	D *	DB	DC	EA	F	G	H	K	OA	OB	Q	QB
K167R97	9.06 230	22.83 580	12.40 315	19.69 500	3.82 97	0.40 10.2	21.85 555	18.90 480	1.97 50	1.30 33	4.09 104	30.94 786	14.72 374	32.95 837	12.40 315
K167R107	9.06 230	22.83 580	12.40 315	19.69 500	3.82 97	0.80 20.4	21.85 555	18.90 480	1.97 50	1.30 33	4.09 104	30.94 786	16.26 413	32.95 837	12.40 315

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	QE	QF	QG	QH	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	SB	ZB
K167R97	10.43 265	4.53 115	8.27 210	8.27 210	2.76 70	17.72 450	8.66 220	0.87 22	9.84 250	2.76 70	7.87 200	13.39 340	6.10 155	4.53 115	15.16 385	9.06 230	12.80 325
K167R107	10.43 265	4.53 115	8.27 210	8.27 210	2.76 70	17.72 450	8.66 220	0.87 22	9.84 250	2.76 70	7.87 200	13.39 340	6.10 155	4.53 115	15.16 385	10.04 255	15.04 382

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
K167R97	6.250 *160*	6.65 *169*	9.84 *250*	.59 *15*	$1^{1}/_{2} \times 1^{1}/_{2} \times 7^{1}/_{8}$ *40 x 22 x 220*	$1^{1}/_{8}$–7 × 2.44 *M30 x 63*
K167R107	6.250 *160*	6.65 *169*	9.84 *250*	.59 *15*	$1^{1}/_{2} \times 1^{1}/_{2} \times 7^{1}/_{8}$ *40 x 22 x 220*	$1^{1}/_{8}$–7 × 2.44 *M30 x 63*

*** Note: See page 33 for applicable tolerances.**

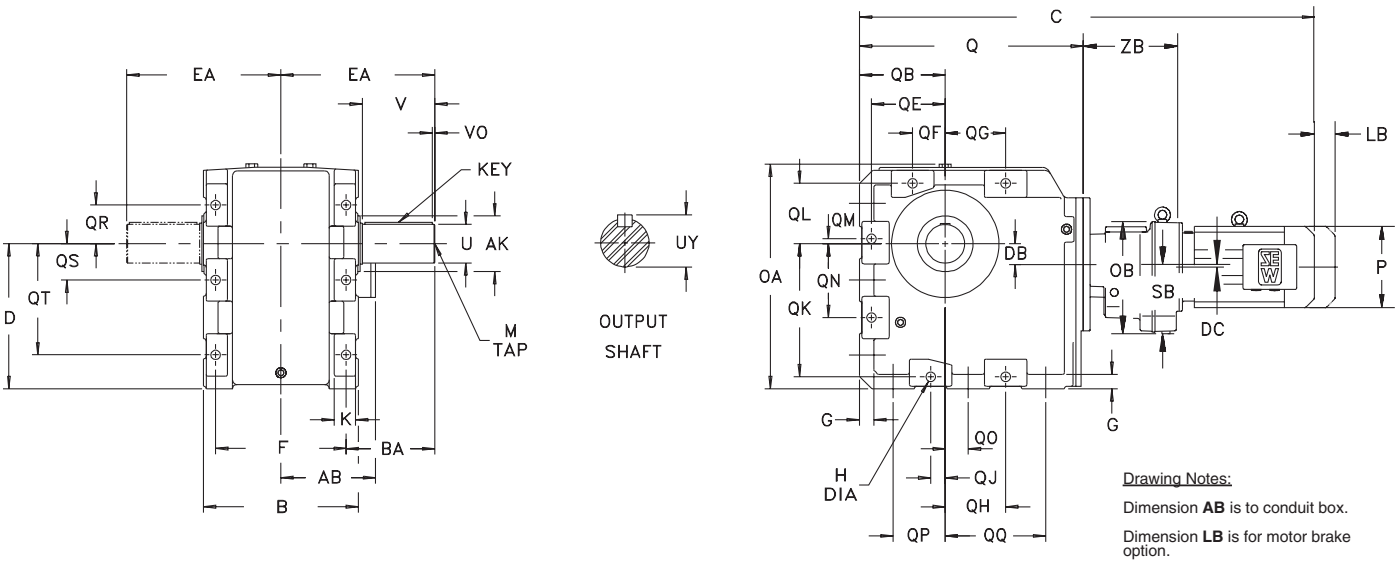
Dimensions are inch / mm

See page 408 for available output shaft sizes.

Motor

Model		DT			DV								
		80	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**	**200**	**225**
	AB	4.80 122	6.06 154	6.54 166	7.05 179	7.05 179	9.06 230	9.06 230	9.06 230	10.20 259	9.96 253	11.22 285	11.38 289
	LB	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
K167R97	**C**	54.84 1393	55.63 1413	57.60 1463	58.94 1497	60.71 1542	61.57 1564	63.94 1624	63.94 1624	65.79 1671	68.62 1743	70.51 1791	— —
K167R107	**C**	— —	— —	59.61 1514	64.88 1648	66.65 1693	67.52 1715	69.88 1775	69.88 1775	71.73 1822	74.57 1894	76.46 1942	79.69 2024

Dimensions
Type K Gearmotors - Foot Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	AK *	B	BA	D *	DB	DC	EA	F	G	H	K	OA	OB	Q	QB
K187R97	10.24 260	25.20 640	15.24 387	23.62 600	4.41 112	0.40 10.2	25.87 657	21.26 540	1.97 50	1.54 39	4.33 110	37.09 942	14.72 374	37.24 946	13.98 355
K187R107	10.24 260	25.20 640	15.24 387	23.62 600	4.41 112	0.80 20.4	25.87 657	21.26 540	1.97 50	1.54 39	4.33 110	37.09 942	16.26 413	37.24 946	13.98 355

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	QE	QF	QG	QH	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	SB	ZB
K187R97	12.01 305	5.31 135	9.84 250	9.84 250	2.36 60	21.65 550	9.84 250	0.20 5	12.01 305	3.74 95	8.46 215	15.94 405	6.30 160	5.91 150	18.11 460	9.06 230	12.80 325
K187R107	12.01 305	5.31 135	9.84 250	9.84 250	2.36 60	21.65 550	9.84 250	0.20 5	12.01 305	3.74 95	8.46 215	15.94 405	6.30 160	5.91 150	18.11 460	10.04 255	15.04 382

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
K187R97	7.500 *190*	8.27 *200*	12.60 *320*	.39 *10*	$1^{3}/_{4} \times 1^{3}/_{4} \times 10$ *45 x 25 x 300*	$1^{1}/_{8}$–7 × 2.44 *M30 x 63*
K187R107	7.500 *190*	8.27 *200*	12.60 *320*	.39 *10*	$1^{3}/_{4} \times 1^{3}/_{4} \times 10$ *45 x 25 x 300*	$1^{1}/_{8}$–7 × 2.44 *M30 x 63*

*** Note: See page 33 for applicable tolerances.**

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 408 for available output shaft sizes.

Motor

Model		DT			DV								
		80	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**	**200**	**225**
	AB	4.80 122	6.06 154	6.54 156	7.05 179	7.05 179	9.06 230	9.06 230	9.06 230	10.20 259	9.96 253	11.22 285	11.38 289
	LB	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
K187R97	**C**	59.13 1502	59.92 1522	61.89 1572	63.23 1606	65.00 1651	65.87 1673	68.23 1733	68.23 1733	70.08 1780	72.91 1852	74.80 1900	— —
K187R107	**C**	— —	— —	63.90 1623	65.24 1657	67.01 1702	67.87 1724	70.24 1784	70.24 1784	72.09 1831	74.92 1903	76.81 1951	80.04 2033

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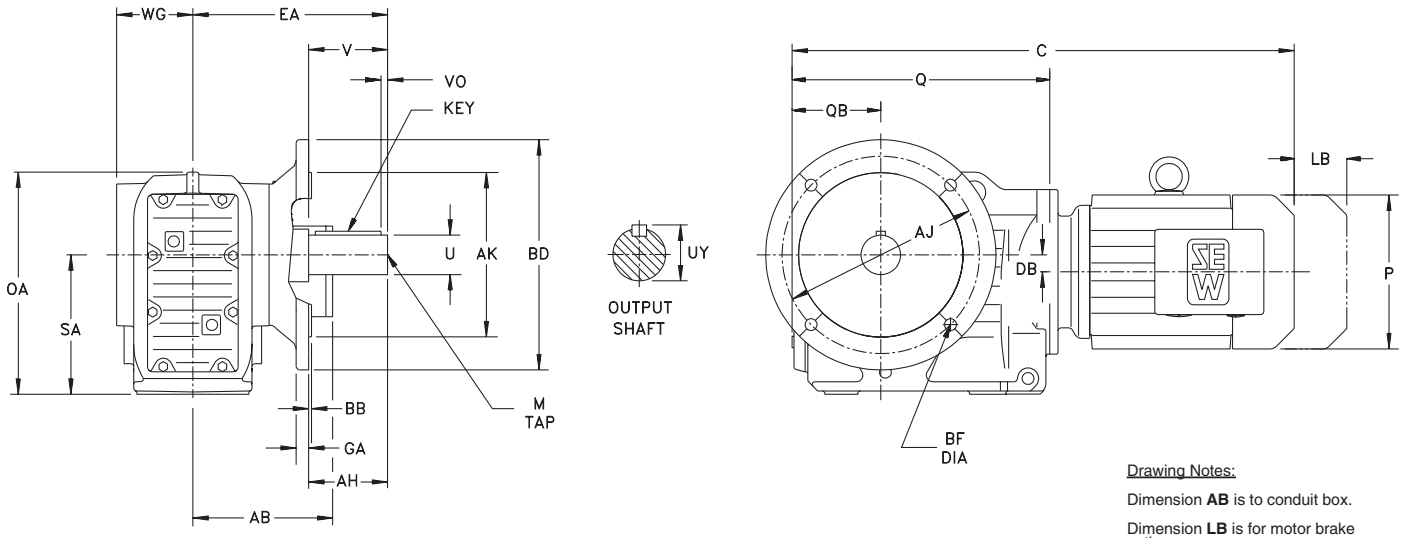
Dimensions
Type KF Gearmotors - Flange Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
KF37	0.33 8.5	5.28 134	6.46 164	8.27 210	2.80 71	3.94 100	2.26 57.5
KF47	0.28 7.2	6.30 160	7.28 185	9.57 243	3.03 77	4.41 112	2.83 72
KF57	0.52 13.1	6.97 177	8.46 215	10.59 269	3.78 96	5.20 132	3.15 80
KF67	0.79 20	7.60 193	8.90 226	10.75 273	3.70 94	5.51 140	3.41 86.5

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.000 *25*	1.11 *28*	1.97 *50*	0.32 *5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1{}^{5}/_{16}$ *8 x 7 x 40*	$^{3}/_{8}$–16 × 0.87 *M10 x 22*
1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1{}^{11}/_{16}$ *8 x 7 x 50*	$^{1}/_{2}$–13 × 1.12 *M10 x 22*
1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^{5}/_{16} \times {}^{5}/_{16} \times 1{}^{13}/_{16}$ *10 x 8 x 56*	$^{1}/_{2}$–13 × 1.12 *M12 x 28*
1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	$^{3}/_{8} \times {}^{3}/_{8} \times 2{}^{1}/_{4}$ *12 x 8 x 70*	$^{5}/_{8}$–11 × 1.38 *M16 x 36*

*** Note: See page 33 for applicable tolerances.**

Flange

Model	AH	AJ	AK *	BB	BD	BF	GA
KF37	1.97 50	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
KF47	2.36 60	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
KF57	2.76 70	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
KF67	3.15 80	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15

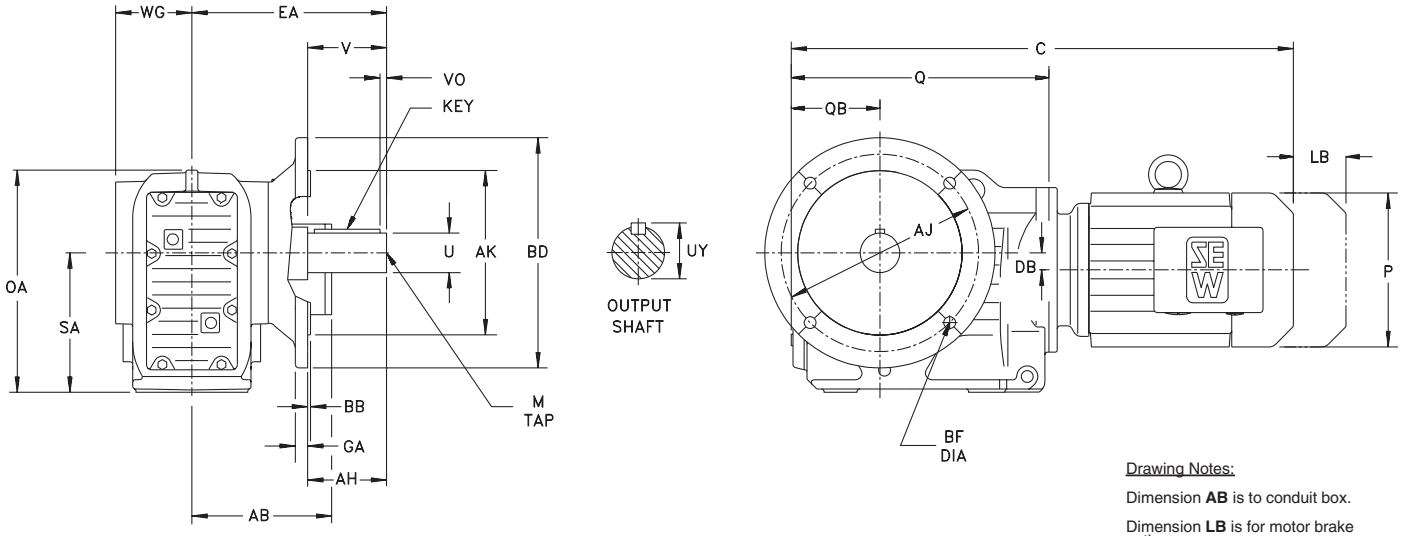
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT				DV		
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
KF37	**C**	16.34 415	18.31 465	19.09 485	21.18 538	— —	— —	— —
KF47	**C**	17.40 442	19.37 492	20.16 512	22.13 562	— —	— —	— —
KF57	**C**	18.43 468	20.39 518	21.18 538	23.15 588	24.53 623	26.42 671	27.28 693
KF67	**C**	18.58 472	20.55 522	21.34 542	23.31 592	24.69 627	26.57 675	27.44 697

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 408 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
KF77	1.23 31.3	9.53 242	11.26 286	12.24 311	4.29 109	7.09 180	3.98 101
KF87	1.02 25.9	10.63 270	13.31 338	15.31 389	5.20 132	8.35 212	5.43 138

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
2.000 *50*	2.22 *53.5*	3.94 *100*	0.64 *10*	1/2 × 1/2 × 2 5/8 *14 x 9 x 80*	3/4–10 × 1.61 *M16 x 36*
2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	5/8 × 5/8 × 3 5/8 *18 x 11 x 110*	3/4–10 × 1.61 *M20 x 42*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
KF77	Option 1	3.94 100	10.43 265	9.055 230	0.16 4	11.81 300	0.53 13.5	0.63 16
	Option 2[1)]	3.94 100	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
KF87		4.72 120	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.71 18

*** Note: See page 33 for applicable tolerances.**

Motor

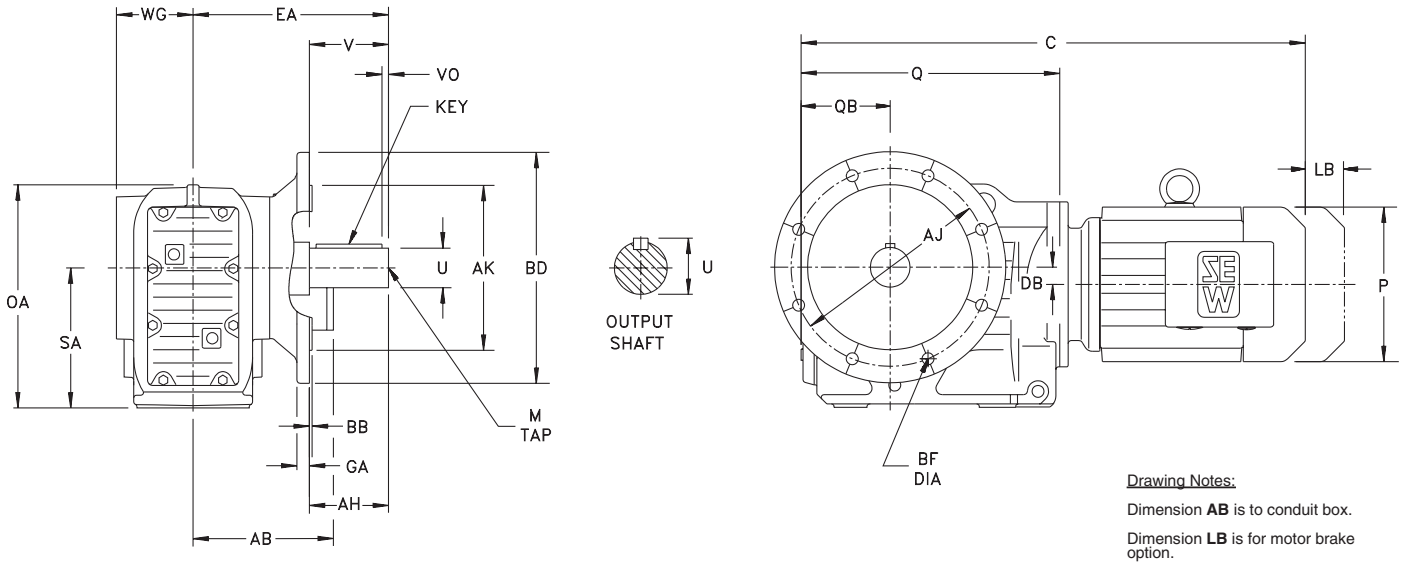
Model		DT				DV						
		71	80	90	100	112M	132S	132M	132ML	160M	160L	180
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331
KF77	C	19.84 504	21.81 554	22.52 572	24.49 622	25.91 658	27.68 703	28.46 723	30.83 783	30.83 783	— —	— —
KF87	C	— —	24.69 627	25.43 646	27.40 696	28.78 731	30.55 776	31.34 796	33.70 856	33.70 856	35.59 904	38.39 975

Dimensions are inch/mm

See page 408 for available output shaft sizes.

1) This flange option reduces the gearbox torque rating - contact SEW-Eurodrive for details

Dimensions
Type KF Gearmotors - Flange Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
KF97	1.27 32.3	13.07 332	16.30 414	17.13 435	6.22 158	10.43 265	6.73 171
KF107	2.05 52	15.20 386	19.69 500	21.14 537	7.72 196	12.40 315	6.89 175

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	3/4 × 3/4 × 4 1/8 *20 x 12 x 125*	3/4 –10 × 1.61 *M20 x 42*
3.625 *90*	4.01 *95*	6.69 *170*	0.63 *5*	7/8 × 7/8 × 5 3/8 *25 x 14 x 160*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

Flange

Model	AH	AJ	AK *	BB	BD	BF	GA
KF97	5.51 140	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22
KF107	6.69 170	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22

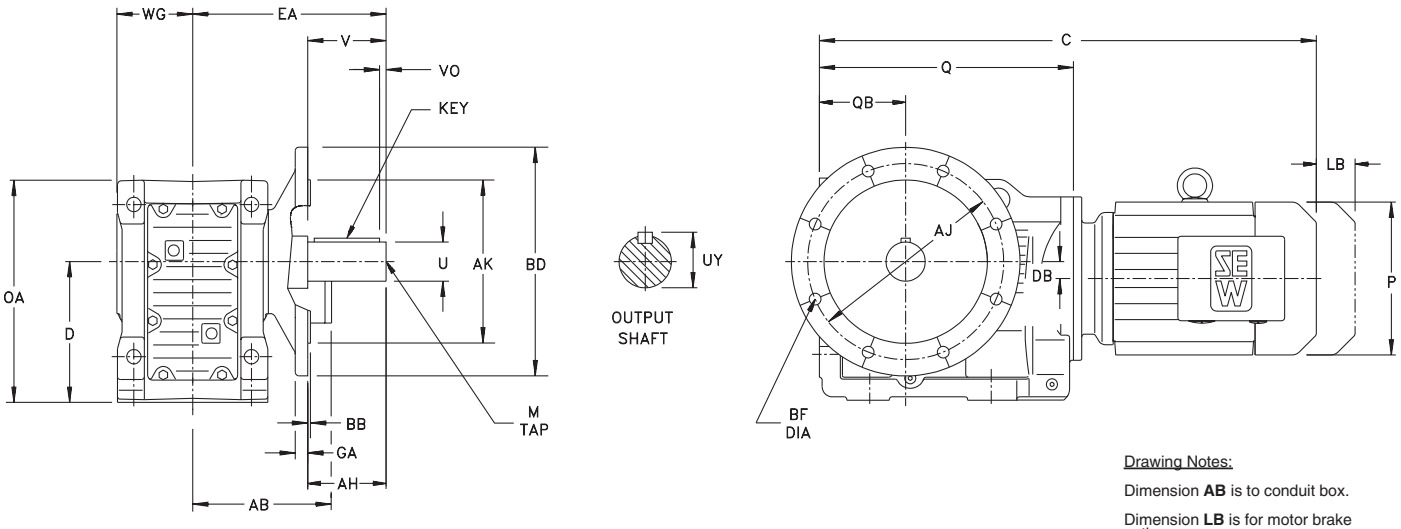
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT		DV								
		90	100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KF97	**C**	27.01 686	29.02 737	30.39 772	32.17 817	32.95 837	35.31 897	35.31 897	37.20 945	40.04 1017	41.89 1064	— —
KF107	**C**	— —	32.76 832	34.17 868	35.94 913	36.73 933	39.09 993	39.09 993	40.98 1041	43.82 1113	45.67 1160	48.90 1242

Dimensions are inch / mm

See page 408 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D *	DB	EA	OA	Q	QB	WG
KF127	14.76 375	2.09 53	18.35 466	23.31 592	24.21 615	8.86 225	7.99 203
KF157	17.72 450	2.82 71.7	20.47 520	27.76 705	27.80 706	11.02 280	9.84 250

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	$1^{1}/_{4} \times 1^{1}/_{4} \times 6^{9}/_{16}$ *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

Flange

Model	AH	AJ	AK *	BB	BD	BF	GA
KF127	8.27 210	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	0.98 25
KF157	8.27 210	23.62 600	21.654 550	0.24 6	25.98 660	0.87 22	1.10 28

*** Note: See page 33 for applicable tolerances.**

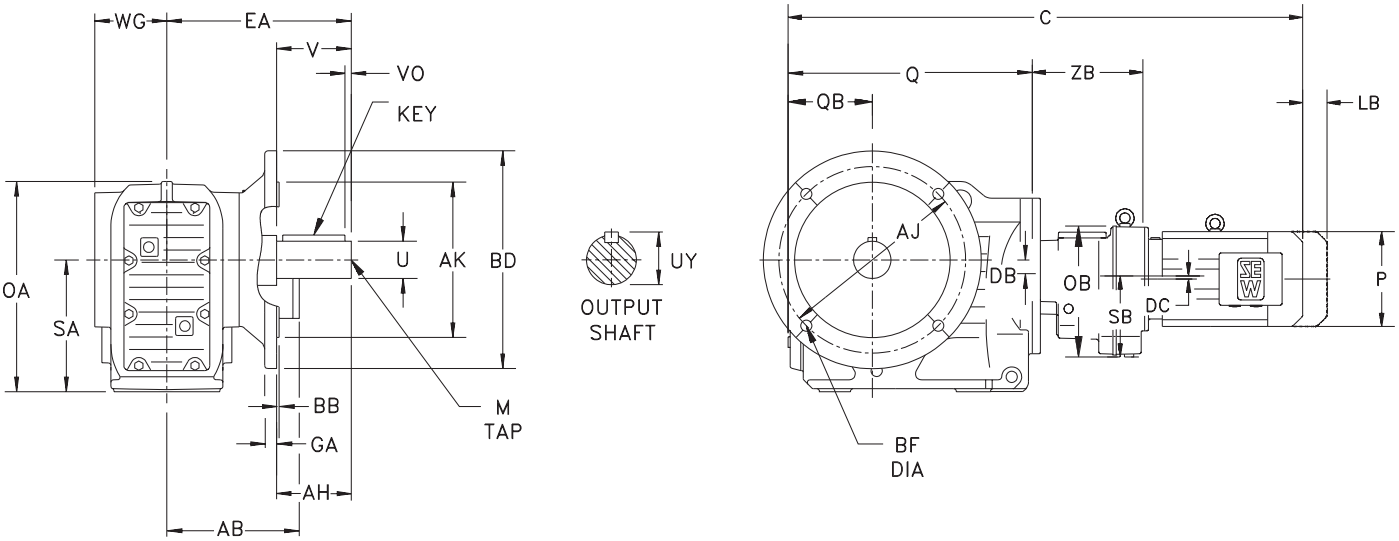
Motor

Model		DV 132M	132ML	160M	160L	180	200	225
	AB	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KF127	**C**	39.21 996	41.57 1056	41.57 1056	43.46 1104	46.30 1176	48.15 1223	51.38 1305
KF157	**C**	— —	44.84 1139	44.84 1139	46.73 1187	49.57 1259	51.42 1306	54.65 1388

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 408 for available output shaft sizes.

Dimensions
Type KF Gearmotors - Flange Mounted



Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
KF37R17	0.33	0.00	5.28	6.46	5.31	8.27	2.80	3.94	2.99	2.26	6.89
	8.5	0	134	164	135	210	71	100	76	57.5	175
KF47R37	0.28	0.40	6.30	7.28	6.10	9.57	3.03	4.41	3.70	2.83	6.50
	7.2	10.1	160	185	155	243	77	112	94	72	165
KF57R37	0.52	0.40	6.97	8.46	6.10	10.59	3.78	5.20	3.70	3.15	6.50
	13.1	10.1	177	215	155	269	96	132	94	80	165
KF67R37	0.79	0.40	7.60	8.90	6.10	10.75	3.70	5.51	3.70	3.41	6.50
	20	10.1	193	226	155	273	94	140	94	86.5	165

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
KF37R17	1.000 *25*	1.11 *28*	1.97 *50*	0.32 *5*	1/4 × 1/4 × 1 5/16 *8 x 7 x 40*	3/8–16 × 0.87 *M10 x 22*
KF47R37	1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	1/4 × 1/4 × 1 11/16 *8 x 7 x 50*	1/2–13 × 1.12 *M10 x 22*
KF57R37	1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	5/16 × 5/16 × 1 13/16 *10 x 8 x 56*	1/2–13 × 1.12 *M12 x 28*
KF67R37	1.625 *40*	1.79 *43*	3.15 *80*	0.38 *5*	3/8 × 3/8 × 2 1/4 *12 x 8 x 70*	5/8–11 × 1.38 *M16 x 36*

*** Note: See page 33 for applicable tolerances.**

Flange

AH	AJ	AK *	BB	BD	BF	GA
1.97 50	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
2.36 60	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
2.76 70	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
3.15 80	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15

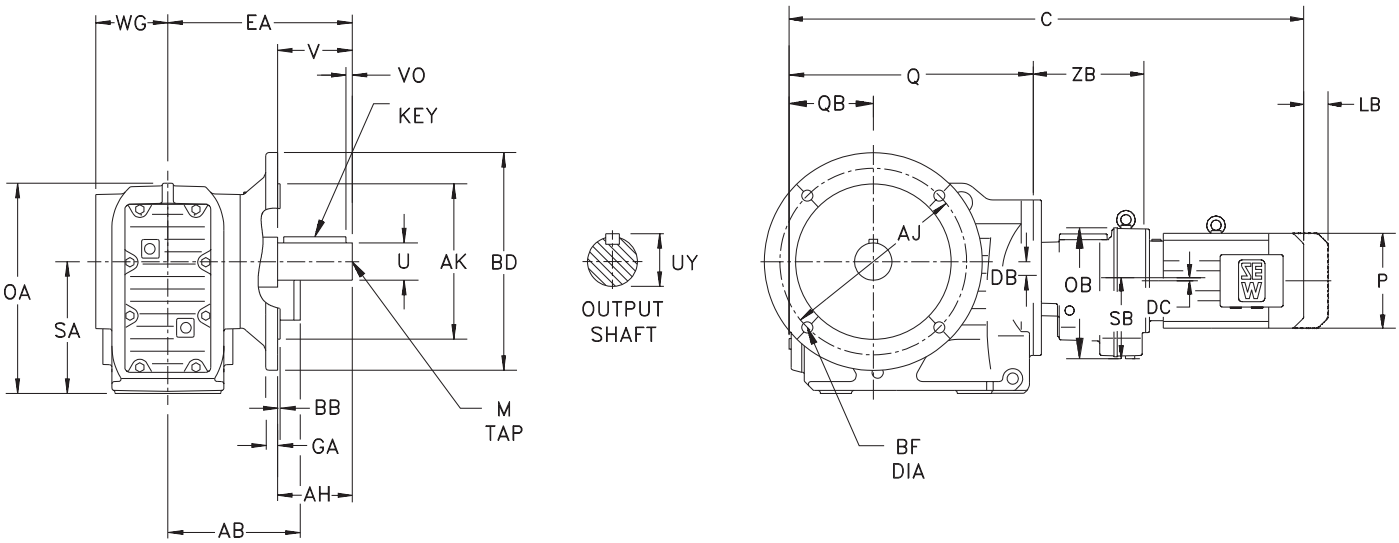
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
KF37R17	C	21.61 549	23.58 599	— —	— —
KF47R37	C	24.13 613	26.10 663	26.89 683	28.98 736
KF57R37	C	25.16 639	27.13 689	27.91 709	30.00 762
KF67R37	C	25.31 643	27.28 693	28.07 713	30.16 766

Dimensions are inch / mm

See page 408 for available output shaft sizes.



Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
KF77R37	1.23	0.40	9.53	11.26	6.10	12.24	4.29	7.09	3.70	3.98	6.18
	31.3	10.1	242	286	155	311	109	180	94	101	157
KF87R57	1.02	0.44	10.63	13.31	7.60	15.31	5.20	8.35	4.76	5.43	8.50
	25.9	11.2	270	338	193	389	132	212	121	138	216

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
KF77R37	2.000	2.22	3.94	0.64	$^1/_2 \times {}^1/_2 \times 2^5/_8$	$^3/_4$–10 × 1.61
	50	*53.5*	*100*	*10*	*14 x 9 x 80*	*M16 x 36*
KF87R57	2.375	2.65	4.72	0.51	$^5/_8 \times {}^5/_8 \times 3^5/_8$	$^3/_4$–10 × 1.61
	60	*64*	*120*	*5*	*18 x 11 x 110*	*M20 x 42*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
KF77R37	Option 1	3.94 100	10.43 265	9.055 230	0.16 4	11.81 300	0.53 13.5	0.63 16
	Option 2[1)]	3.94 100	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
KF87R57		4.72 120	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.71 18

*** Note: See page 33 for applicable tolerances.**

Motor

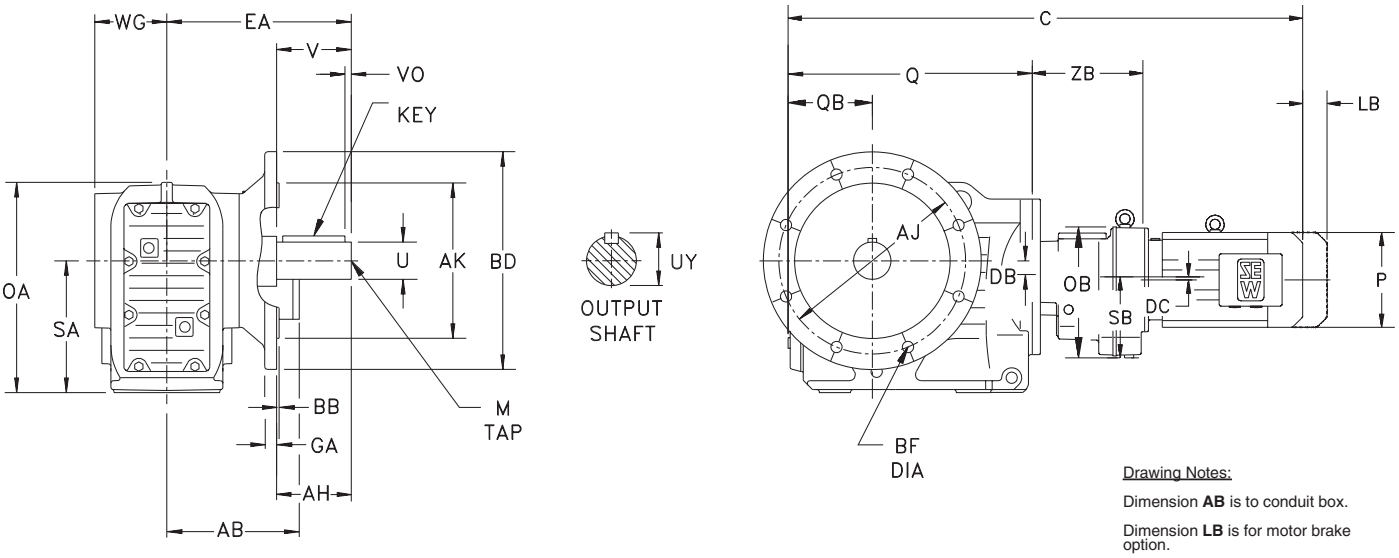
Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
KF77R37	C	26.50 673	28.46 723	29.25 743	31.34 796	— —	— —	— —
KF87R57	C	31.65 804	33.62 854	34.41 874	36.38 924	37.76 959	39.65 1007	40.51 1029

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 408 for available output shaft sizes.

[1)] **This flange option reduces the gearbox torque rating - contact SEW-Eurodrive for details**

Dimensions
Type KF Gearmotors - Flange Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
KF97R57	1.27	0.44	13.07	16.30	7.60	17.13	6.22	10.43	4.76	6.73	8.31
	32.3	11.2	332	414	193	435	158	265	121	171	211
KF107R77	2.05	0.63	15.20	19.69	9.13	21.14	7.72	12.40	5.67	6.89	9.72
	52	15.9	386	500	232	537	196	315	144	175	247

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
KF97R57	2.875	3.20	5.51	0.67	3/4 × 3/4 × 4 1/8	3/4–10 × 1.61
	70	*74.5*	*140*	*7.5*	*20 x 12 x 125*	*M20 x 42*
KF107R77	3.625	4.01	6.69	0.63	7/8 × 7/8 × 5 3/8	1 –8 × 2.13
	90	*95*	*170*	*5*	*25 x 14 x 160*	*M24 x 50*

*** Note: See page 33 for applicable tolerances.**

Flange

AH	AJ	AK *	BB	BD	BF	GA
5.51	15.75	13.780	0.20	17.72	0.69	0.87
140	400	350	5	450	17.5	22
6.69	15.75	13.780	0.20	17.72	0.69	0.87
170	400	350	5	450	17.5	22

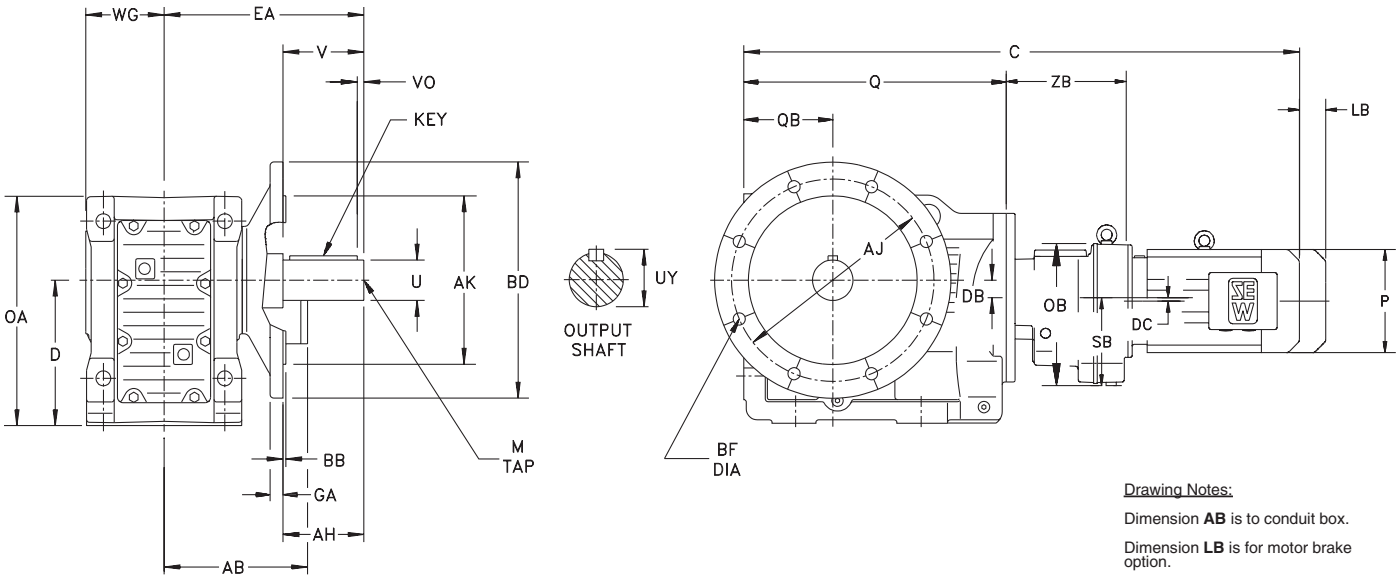
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT				DV				
		71	80	90	100	112M	132S	132M	132ML	160M
	AB	5.43	5.43	6.73	6.89	7.40	7.40	9.13	9.13	9.13
		138	138	171	175	188	188	232	232	232
	LB	2.52	2.52	3.35	3.35	3.15	3.15	4.41	4.41	4.41
		64	64	85	85	80	80	112	112	112
	P	5.71	5.71	7.76	7.76	8.70	8.70	10.83	10.83	10.83
		145	145	197	197	221	221	275	275	275
KF97R57	C	33.27	35.24	36.02	37.99	39.37	41.26	42.13	—	—
		845	895	915	965	1000	1048	1070	—	—
KF107R77	C	38.46	40.43	41.14	43.11	44.53	46.30	47.09	49.45	49.45
		977	1027	1045	1095	1131	1176	1196	1256	1256

Dimensions are inch / mm

See page 408 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D *	DB	DC	EA	OA	OB	Q	QB	SB	WG	ZB
KF127R77	14.76 375	2.09 53	0.63 15.9	18.35 466	23.31 592	9.13 232	24.21 615	8.86 225	5.67 144	7.99 203	9.13 232
KF127R87	14.76 375	2.09 53	0.50 12.6	18.35 466	23.31 592	11.77 299	24.21 615	8.86 225	7.24 184	7.99 203	11.02 280
KF157R97	17.72 450	2.82 71.7	0.40 10.2	20.47 520	27.76 705	14.72 374	27.80 706	11.02 280	9.06 230	9.84 250	12.80 325
KF157R107	17.72 450	2.82 71.7	0.80 20.4	20.47 520	27.76 705	16.26 413	27.80 706	11.02 280	10.04 255	9.84 250	15.04 382

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
KF127R77	4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
KF127R87	4.375 *110*	4.82 *116*	8.27 *210*	1.09 *15*	1 × 1 × 6 *28 x 16 x 180*	1 –8 × 2.13 *M24 x 50*
KF157R97	4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	1 1/4 × 1 1/4 × 6 9/16 *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*
KF157R107	4.750 *120*	5.29 *127*	8.27 *210*	0.82 *5*	1 1/4 × 1 1/4 × 6 9/16 *32 x 18 x 200*	1 –8 × 2.13 *M24 x 50*

*** Note: See page 33 for applicable tolerances.**

Flange

AH	AJ	AK *	BB	BD	BF	GA
8.27 210	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	0.98 25
8.27 210	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	0.98 25
8.27 210	23.62 600	21.654 550	0.24 6	25.98 660	0.87 22	1.10 28
8.27 210	23.62 600	21.654 550	0.24 6	25.98 660	0.87 22	1.10 28

*** Note: See page 33 for applicable tolerances.**

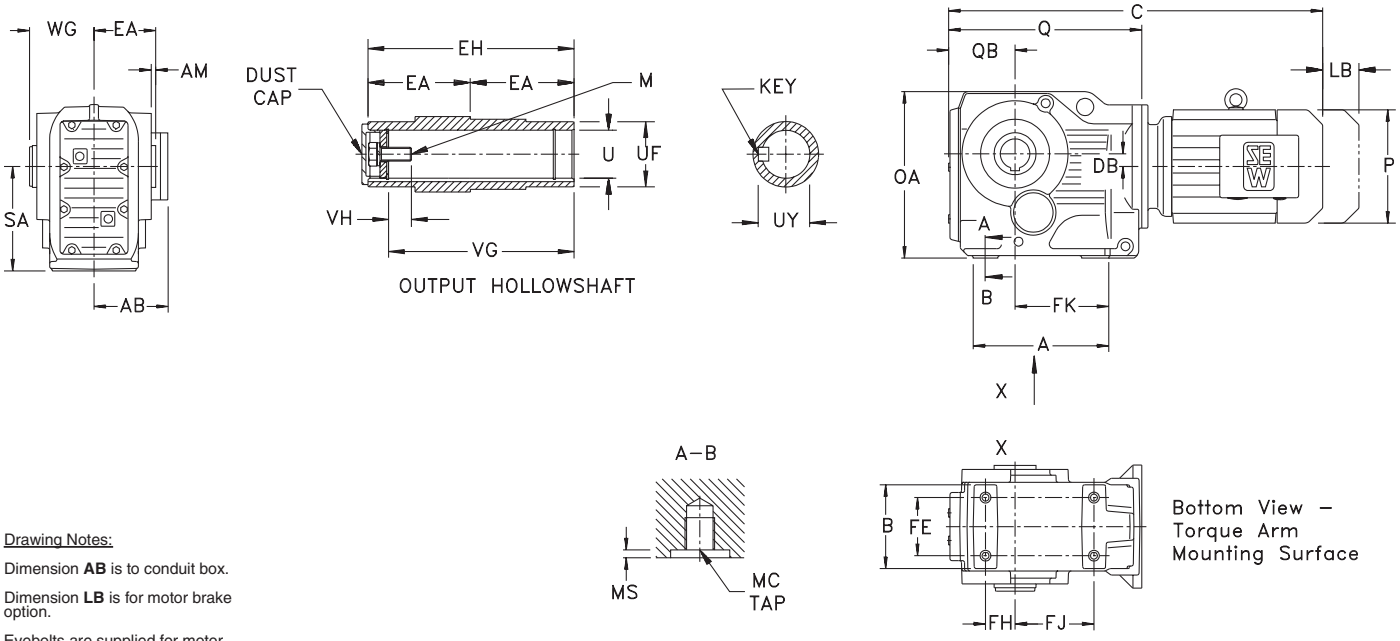
Motor

Model		DT				DV								
		71	80	90	100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KF127R77	**C**	40.94 1040	42.91 1090	43.62 1108	45.59 1158	47.01 1194	48.78 1239	49.57 1259	51.93 1319	51.93 1319	— —	— —	— —	— —
KF127R87	**C**	— —	44.61 1133	45.35 1152	47.32 1202	48.70 1237	50.47 1282	51.26 1302	53.62 1362	53.62 1362	55.51 1410	58.31 1481	— —	— —
KF157R97	**C**	— —	49.69 1262	50.47 1282	52.48 1333	53.86 1368	55.63 1413	56.42 1433	58.78 1493	58.78 1493	60.67 1541	63.50 1613	65.35 1660	— —
KF157R107	**C**	— —	— —	— —	54.45 1383	55.87 1419	57.64 1464	58.43 1484	60.79 1544	60.79 1544	62.68 1592	65.51 1664	67.36 1711	70.59 1793

Dimensions are inch / mm

See page 408 for available output shaft sizes.

Dimensions
Type KA Gearmotors - Shaft Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	A	AM	B	DB	EA	FE	FH	FJ	FK	MC	MS	OA	Q	QB	SA	WG
KA37	5.79	0.10	3.94	0.33	2.36	2.36	1.38	3.23	3.82	M10 x .79	0.16	6.46	8.27	2.80	3.94	2.48
	147	2.5	100	8.5	60	60	35	82	97	M10 x 20	4	164	210	71	100	63
KA47	6.69	0.12	4.33	0.28	2.95	2.76	1.57	3.94	4.53	M10 x .79	0.16	7.28	9.57	3.03	4.41	3.07
	170	3	110	7.2	75	70	40	100	115	M10 x 20	4	185	243	77	112	78
KA57	7.17	0.12	4.80	0.52	3.27	3.46	1.85	4.13	4.72	M12 x .98	0.20	8.46	10.59	3.78	5.20	3.39
	182	3	122	13.1	83	88	47	105	120	M12 x 25	5	215	269	96	132	86
KA67	7.17	0.14	5.12	0.79	3.54	3.46	1.65	4.33	4.92	M12 x .98	0.20	8.90	10.75	3.70	5.51	3.70
	182	3.5	130	20	90	88	42	110	125	M12 x 25	5	226	273	94	140	94

Output Shaft Inch Series/*Optional Metric Series* For solid shaft design see page 410.

Model	EH	U *	UF	UY	VG	VH	Key	M
KA37	4.72 *120*	1.250 *30*	1.77 *45*	1.37 *33.3*	4.13 *105*	0.67 *17*	$^1/_4 \times ^1/_4 \times 1^{11}/_{16}$ *8 x 7 x 40*	$^7/_{16}$–14 × 1 *M10 x 25*
KA47	5.91 *150*	1.375 *35*	1.97 *50*	1.52 *38.3*	5.20 *132*	0.65 *22*	$^5/_{16} \times ^5/_{16} \times 1^{13}/_{16}$ *10 x 8 x 45*	$^1/_2$–13 × 1 *M12 x 30*
KA57	6.54 *166*	1.500 *40*	2.17 *55*	1.67 *43.3*	5.59 *142*	1.36 *29*	$^3/_8 \times ^3/_8 \times 2^1/_4$ *12 x 8 x 50*	$^5/_8$–11 × $1^3/_4$ *M16 x 40*
KA67	7.09 *180*	1.500 *40*	2.17 *55*	1.67 *43.3*	6.14 *156*	1.36 *29*	$^3/_8 \times ^3/_8 \times 2^1/_4$ *12 x 8 x 50*	$^5/_8$–11 × $1^3/_4$ *M16 x 40*

*** Note: See page 33 for applicable tolerances.**

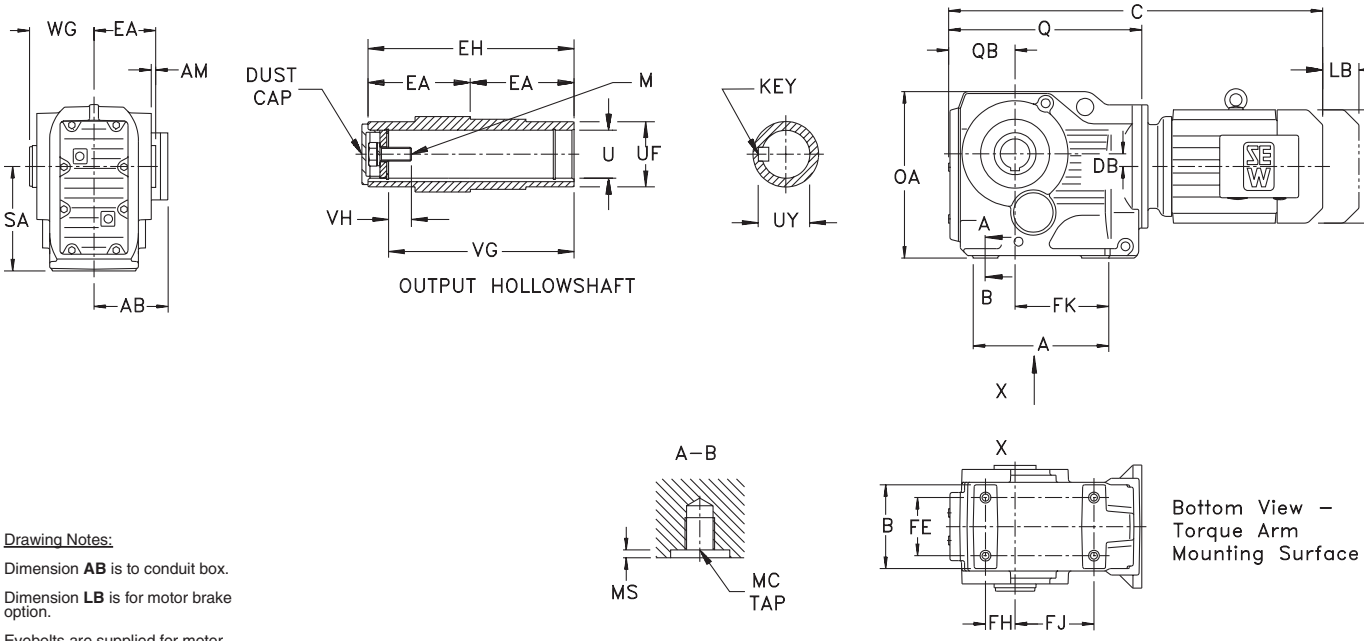
Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
KA37	**C**	16.34 415	18.31 465	19.09 485	21.18 538	— —	— —	— —
KA47	**C**	17.40 442	19.37 492	20.16 512	22.13 562	— —	— —	— —
KA57	**C**	18.43 468	20.39 518	21.18 538	23.15 588	24.53 623	26.42 671	27.28 693
KA67	**C**	18.58 472	20.55 522	21.34 542	23.31 592	24.69 627	26.57 675	27.44 697

Dimensions are $\frac{\text{inch}}{\text{mm}}$

For Torque Arm details see page 406

See page 409 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	A	AM	B	DB	EA	FE	FH	FJ	FK	MC	MS	OA	Q	QB	SA	WG
KA77	8.03	0.16	6.06	1.23	4.13	4.02	1.89	4.80	5.47	M16 x 1.26	0.24	11.26	12.24	4.29	7.09	4.25
	204	4	154	31.3	105	102	48	122	139	M16 x 32	6	286	311	109	180	108
KA87	10.83	0.16	6.69	1.02	4.72	4.65	2.56	6.30	7.48	M16 x 1.26	0.24	13.31	15.31	5.20	8.35	4.84
	275	4	170	25.9	120	118	65	160	190	M16 x 32	6	338	389	132	212	123
KA97	11.73	0.16	8.90	1.27	5.91	6.30	3.27	6.50	7.48	M20 x 1.42	0.24	16.30	17.13	6.22	10.43	6.02
	298	4	226	32.3	150	160	83	165	190	M20 x 36	6	414	435	158	265	153
KA107	14.57	0.10	10.47	2.05	6.89	7.48	3.94	7.48	9.06	M24 x 1.73	0.31	19.69	21.14	7.72	12.40	7.01
	370	2.5	266	52	175	190	100	190	230	M24 x 44	8	500	537	196	315	178

Output Shaft Inch Series/*Optional Metric Series* For solid shaft design see page 410.

Model	EH	U *	UF	UY	VG	VH	Key	M
KA77	8.27 *210*	2.000 *50*	2.76 *70*	2.22 *53.8*	7.20 *183*	1.16 *32*	1/2 × 1/2 × 2 5/8 *14 x 9 x 80*	5/8-11 × 1 3/4 *M16 x 45*
KA87	9.45 *240*	2.375 *60*	3.35 *85*	2.65 *64.4*	8.27 *210*	1.39 *36*	5/8 × 5/8 × 3 5/8 *18 x 11 x 100*	3/4-10 × 2 *M20 x 50*
KA97	11.81 *300*	2.750 *70*	3.74 *95*	3.03 *74.9*	10.63 *270*	1.24 *34*	5/8 × 5/8 × 3 5/8 *20 x 12 x 110*	3/4-10 × 2 *M20 x 50*
KA107	13.78 *350*	3.625 *90*	4.65 *118*	3.89 *95.4*	12.32 *313*	1.24 *40*	7/8 × 5/8 × 3 1/2 *25 x 14 x 160*	3/4-10 × 2 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

Motor

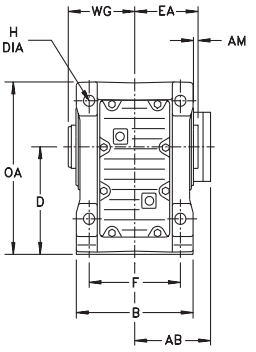
Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M	DV 132ML	DV 160M	DV 160L	DV 180	DV 200	DV 225
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KA77	C	19.84 504	21.81 554	22.52 572	24.49 622	25.91 658	27.68 703	28.46 723	30.83 783	30.83 783	— —	— —	— —	— —
KA87	C	— —	24.69 627	25.43 646	27.40 696	28.78 731	30.55 776	31.34 796	33.70 856	33.70 856	35.59 904	38.39 975	— —	— —
KA97	C	— —	— —	27.01 686	29.02 737	30.39 772	32.17 817	32.95 837	35.31 897	35.31 897	37.20 945	40.04 1017	41.89 1064	— —
KA107	C	— —	— —	— —	32.76 832	34.17 868	35.94 913	36.73 933	39.09 993	39.09 993	40.98 1041	43.82 1113	45.67 1160	48.90 1242

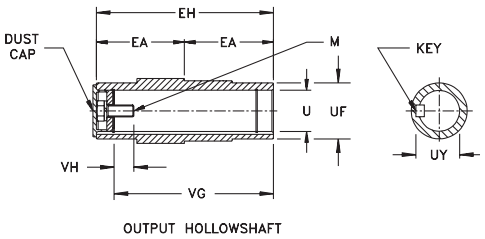
Dimensions are inch / mm

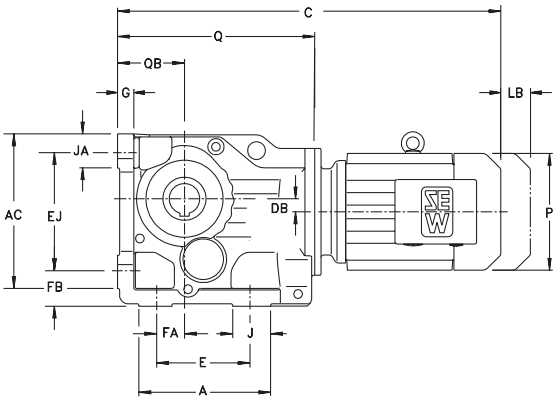
For Torque Arm details see page 406

See page 409 for available output shaft sizes.

Dimensions
Type KA Gearmotors - Shaft Mounted







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	A	AC	AM	B	D *	DB	E	EA	EJ	F	FA	FB	G	H	J	JA
KA127	17.32 440	20.71 526	0.10 2.5	15.75 400	14.76 375	2.09 53	13.78 350	8.07 205	16.54 420	12.99 330	4.53 115	4.33 110	1.77 45	1.54 39	3.94 100	4.37 111
KA157	18.90 480	24.96 634	0.00 0	19.69 500	17.72 450	2.82 71.7	14.96 380	9.84 250	19.69 500	16.54 420	5.51 140	5.12 130	1.97 50	1.54 39	3.94 100	5.12 130

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	OA	Q	QB	WG
KA127	23.31 592	24.21 615	8.86 225	8.19 208
KA157	27.76 705	27.80 706	11.02 280	9.96 253

Output Shaft Inch Series/*Optional Metric Series* For solid shaft design see page 410.

Model	EH	U *	UF	UY	VG	VH	Key	M
KA127	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
KA157	19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

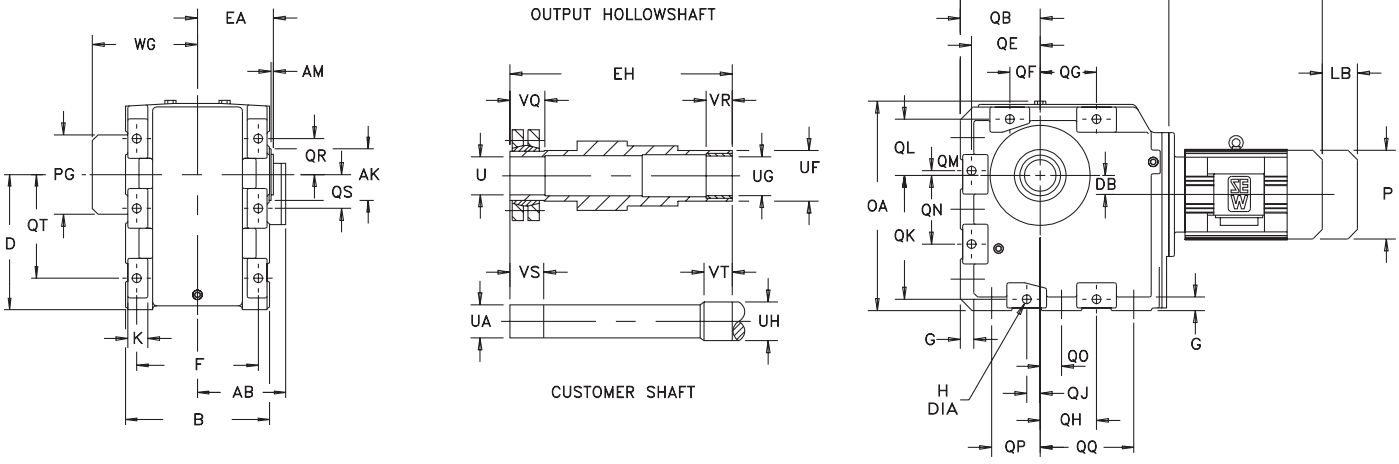
Motor

Model		DV 132M	132ML	160M	160L	180	200	225
	AB	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KA127	**C**	39.21 996	41.57 1056	41.57 1056	43.46 1104	46.30 1176	48.15 1223	51.38 1305
KA157	**C**	— —	44.84 1139	44.84 1139	46.73 1187	49.57 1259	51.42 1306	54.65 1388

Dimensions are inch / mm

For Torque Arm details see page 406

See page 409 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	AK *	AM	B	D *	DB	EA	F	G	H	K	OA	PG	Q	QB	QE
KH167	9.06 230	0.35 9	22.83 580	19.69 500	3.82 97	12.01 305	18.90 480	1.97 50	1.30 33	4.09 104	30.94 786	12.40 315	32.95 837	12.40 315	10.43 265
KH187	10.24 260	0.41 10.5	25.20 640	23.62 600	4.41 112	13.27 337	21.26 540	1.97 50	1.54 39	4.33 110	37.09 942	14.69 373	37.24 946	13.98 355	12.01 305

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	QF	QG	QH	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	WG
KH167	4.53 115	8.27 210	8.27 210	2.76 70	17.72 450	8.66 220	0.87 22	9.84 250	2.76 70	7.87 200	13.39 340	6.10 155	4.53 115	15.16 385	17.40 442
KH187	5.31 135	9.84 250	9.84 250	2.36 60	21.65 550	9.84 250	0.20 5	12.01 305	3.74 95	8.46 215	15.94 405	6.30 160	5.91 150	18.11 460	18.66 474

Output Shaft Inch Series/*Optional Metric Series*

Model	EH	U *	UA *	UF	UG *	UH *	VQ	VR	VS	VT
KH167	— *728*	— *135*	— *135*	— *180*	— *140*	— *140*	— *122*	— *90*	— *130*	— *100*
KH187	— *792*	— *155*	— *155*	— *200*	— *160*	— *160*	— *117*	— *95*	— *130*	— *105*

*** Note: See page 33 for applicable tolerances.**

Dimensions are $\frac{\text{inch}}{\text{mm}}$

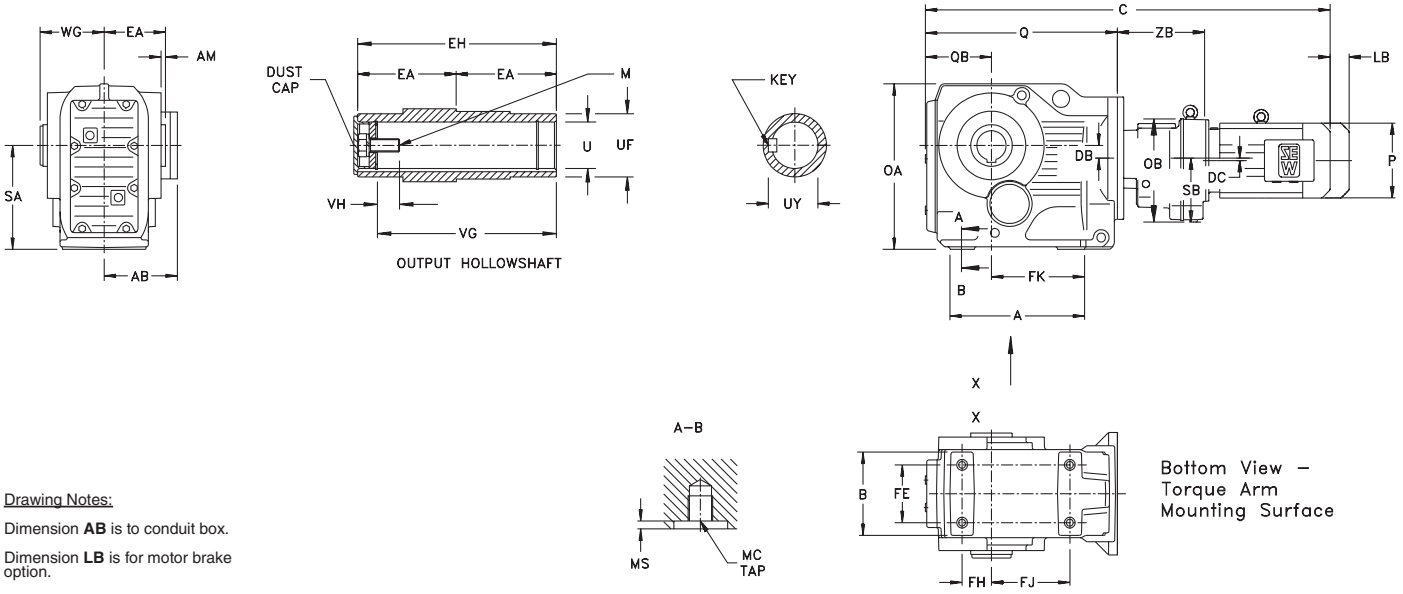
For Torque Arm details see page 406

See page 409 for available output shaft sizes.

Motor

Model		DV					
		132ML	160M	160L	180	200	225
	AB	9.06 230	9.06 230	10.20 259	9.96 253	11.22 285	11.38 289
	LB	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KH167	C	50.00 1270	50.00 1270	51.86 1317	54.69 1389	56.57 1437	59.80 1519
KH187	C	54.29 1379	54.29 1379	56.14 1426	58.98 1498	60.87 1546	64.09 1628

Dimensions
Type KA Gearmotors - Shaft Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AM	B	DB	DC	EA	FE	FH	FJ	FK	MC	MS	OA	OB	Q
KA37R17	5.79	0.10	3.94	0.33	0.00	2.36	2.36	1.38	3.23	3.82	M10 x .79	0.16	6.46	5.31	8.27
	147	2.5	100	8.5	0	60	60	35	82	97	M10 x 20	4	164	135	210
KA47R37	6.69	0.12	4.33	0.28	0.40	2.95	2.76	1.57	3.94	4.53	M10 x .79	0.16	7.28	6.10	9.57
	170	3	110	7.2	10.1	75	70	40	100	115	M10 x 20	4	185	155	243
KA57R37	7.17	0.12	4.80	0.52	0.40	3.27	3.46	1.85	4.13	4.72	M12 x .98	0.20	8.46	6.10	10.59
	182	3	122	13.1	10.1	83	88	47	105	120	M12 x 25	5	215	155	269
KA67R37	7.17	0.14	5.12	0.79	0.40	3.54	3.46	1.65	4.33	4.92	M12 x .98	0.20	8.90	6.10	10.75
	182	3.5	130	20	10.1	90	88	42	110	125	M12 x 25	5	226	155	273

Gearcase

Model	QB	SA	SB	WG	ZB
KA37R17	2.80 71	3.94 100	2.99 76	2.48 63	6.89 175
KA47R37	3.03 77	4.41 112	3.70 94	3.07 78	6.50 165
KA57R37	3.78 96	5.20 132	3.70 94	3.39 86	6.50 165
KA67R37	3.70 94	5.51 140	3.70 94	3.70 94	6.50 165

Output Shaft Inch Series/*Optional Metric Series* For solid shaft design see page 410.

EH	U *	UF	UY	VG	VH	Key	M
4.72 *120*	1.250 *30*	1.77 *45*	1.37 *33.3*	4.13 *105*	0.67 *17*	$^1/_4 \times ^1/_4 \times 1^{11}/_{16}$ *8 x 7 x 40*	$^7/_{16}$–14 × 1 *M10 x 25*
5.91 *150*	1.375 *35*	1.97 *50*	1.52 *38.3*	5.20 *132*	0.65 *22*	$^5/_{16} \times ^5/_{16} \times 1^{13}/_{16}$ *10 x 8 x 45*	$^1/_2$–13 × 1 *M12 x 30*
6.54 *166*	1.500 *40*	2.17 *55*	1.67 *43.3*	5.59 *142*	1.36 *29*	$^3/_8 \times ^3/_8 \times 2^1/_4$ *12 x 8 x 50*	$^5/_8$–11 × 1$^3/_4$ *M16 x 40*
7.09 *180*	1.500 *40*	2.17 *55*	1.67 *43.3*	6.14 *156*	1.36 *29*	$^3/_8 \times ^3/_8 \times 2^1/_4$ *12 x 8 x 50*	$^5/_8$–11 × 1$^3/_4$ *M16 x 40*

*** Note: See page 33 for applicable tolerances.**

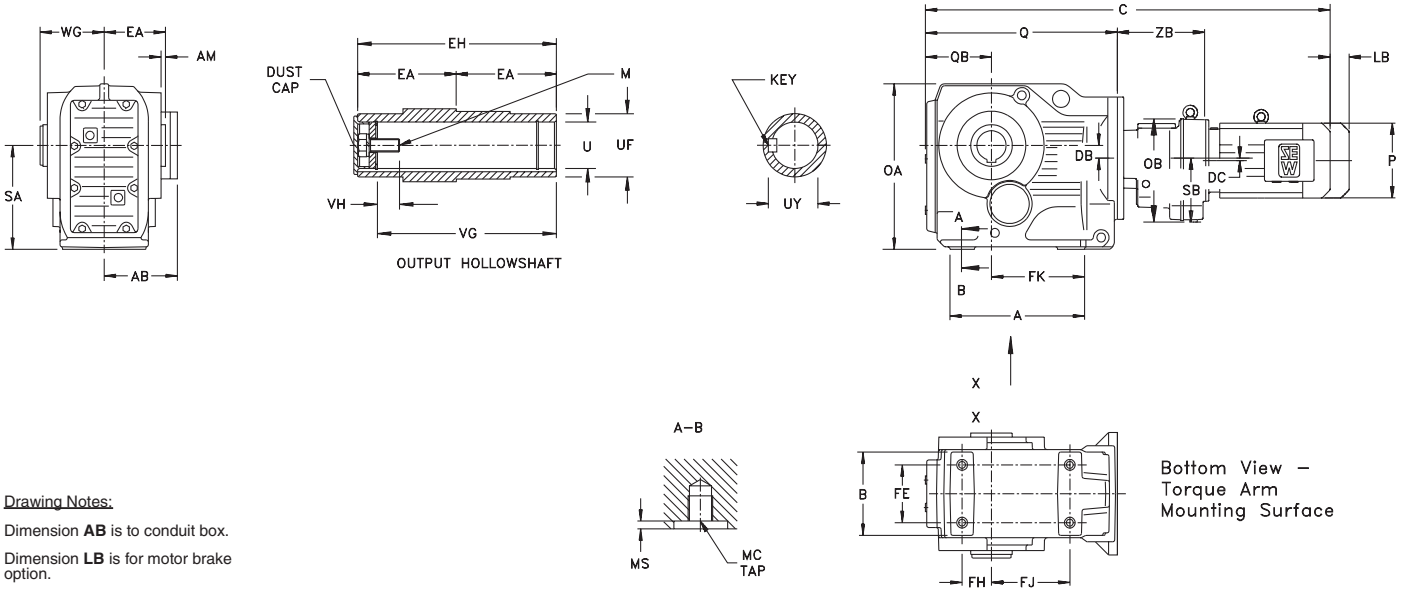
Motor

Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
KA37R17	C	21.61 549	23.58 599	— —	— —
KA47R37	C	24.13 613	26.10 663	26.89 683	28.98 736
KA57R37	C	25.16 639	27.13 689	27.91 709	30.00 762
KA67R37	C	25.31 643	27.28 693	28.07 713	30.16 766

Dimensions are $\frac{\text{inch}}{\text{mm}}$

For Torque Arm details see page 406

See page 409 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AM	B	DB	DC	EA	FE	FH	FJ	FK	MC	MS	OA	OB	Q
KA77R37	8.03	0.16	6.06	1.23	0.40	4.13	4.02	1.89	4.80	5.47	M16 x 1.26	0.24	11.26	6.10	12.24
	204	4	154	31.3	10.1	105	102	48	122	139	M16 x 32	6	286	155	311
KA87R57	10.83	0.16	6.69	1.02	0.44	4.72	4.65	2.56	6.30	7.48	M16 x 1.26	0.24	13.31	7.60	15.31
	275	4	170	25.9	11.2	120	118	65	160	190	M16 x 32	6	338	193	389
KA97R57	11.73	0.16	8.90	1.27	0.44	5.91	6.30	3.27	6.50	7.48	M20 x 1.42	0.24	16.30	7.60	17.13
	298	4	226	32.3	11.2	150	160	83	165	190	M20 x 36	6	414	193	435
KA107R77	14.57	0.10	10.47	2.05	0.63	6.89	7.48	3.94	7.48	9.06	M24 x 1.73	0.31	19.69	9.13	21.14
	370	2.5	266	52	15.9	175	190	100	190	230	M24 x 44	8	500	232	537

Gearcase

Model	QB	SA	SB	WG	ZB
KA77R37	4.29 109	7.09 180	3.70 94	4.25 108	6.18 157
KA87R57	5.20 132	8.35 212	4.76 121	4.84 123	8.50 216
KA97R57	6.22 158	10.43 265	4.76 121	6.02 153	8.31 211
KA107R77	7.72 196	12.40 315	5.67 144	7.01 178	9.72 247

Output Shaft Inch Series/*Optional Metric Series* For solid shaft design see page 410.

EH	U *	UF	UY	VG	VH	Key	M
8.27 *210*	2.000 *50*	2.76 *70*	2.22 *53.8*	7.20 *183*	1.16 *32*	1/2 × 1/2 × 2 5/8 *14 x 9 x 80*	5/8–11 × 1 3/4 *M16 x 45*
9.45 *240*	2.375 *60*	3.35 *85*	2.65 *64.4*	8.27 *210*	1.39 *36*	5/8 × 5/8 × 3 5/8 *18 x 11 x 100*	3/4–10 × 2 *M20 x 50*
11.81 *300*	2.750 *70*	3.74 *95*	3.03 *74.9*	10.63 *270*	1.24 *34*	5/8 × 5/8 × 3 5/8 *20 x 12 x 110*	3/4–10 × 2 *M20 x 50*
13.78 *350*	3.625 *90*	4.65 *118*	3.89 *95.4*	12.32 *313*	1.24 *40*	7/8 × 5/8 × 3 1/2 *25 x 14 x 160*	3/4–10 × 2 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

Motor

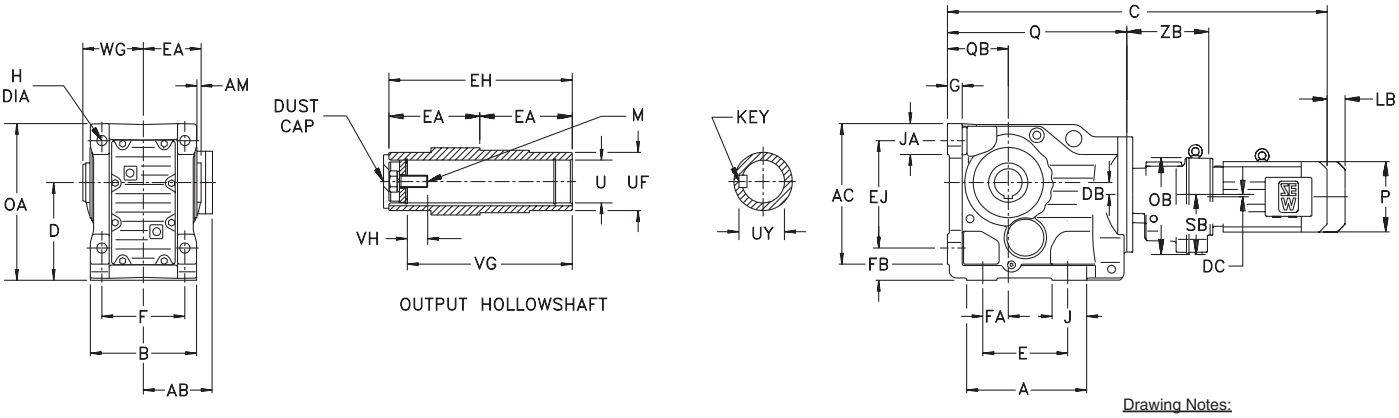
Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M	DV 132ML	DV 160M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275
KA77R37	C	26.50 673	28.46 723	29.25 743	31.34 796	— —	— —	— —	— —	— —
KA87R57	C	31.65 804	33.62 854	34.41 874	36.38 924	37.76 959	39.65 1007	40.51 1029	— —	— —
KA97R57	C	33.27 845	35.24 895	36.02 915	37.99 965	39.37 1000	41.26 1048	42.13 1070	— —	— —
KA107R77	C	38.46 977	40.43 1027	41.14 1045	43.11 1095	44.53 1131	46.30 1176	47.09 1196	49.45 1256	49.45 1256

Dimensions are inch / mm

For Torque Arm details see page 406

See page 409 for available output shaft sizes.

Dimensions
Type KA Gearmotors - Shaft Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	A	AC	AM	B	D *	DB	DC	E	EA	EJ	F	FA	FB	G	H	J
KA127R77	17.32 440	20.71 526	0.10 2.5	15.75 400	14.76 375	2.09 53	0.63 15.9	13.78 350	8.07 205	16.54 420	12.99 330	4.53 115	4.33 110	1.77 45	1.54 39	3.94 100
KA127R87	17.32 440	20.71 526	0.10 2.5	15.75 400	14.76 375	2.09 53	0.50 12.6	13.78 350	8.07 205	16.54 420	12.99 330	4.53 115	4.33 110	1.77 45	1.54 39	3.94 100
KA157R97	18.90 480	24.96 634	0.00 0	19.69 500	17.72 450	2.82 71.7	0.40 10.2	14.96 380	9.84 250	19.69 500	16.54 420	5.51 140	5.12 130	1.97 50	1.54 39	3.94 100
KA157R107	18.90 480	24.96 634	0.00 0	19.69 500	17.72 450	2.82 71.7	0.80 20.4	14.96 380	9.84 250	19.69 500	16.54 420	5.51 140	5.12 130	1.97 50	1.54 39	3.94 100

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	JA	OA	OB	Q	QB	SB	WG	ZB
KA127R77	4.37 111	23.31 592	9.13 232	24.21 615	8.86 225	5.67 144	8.19 208	9.13 232
KA127R87	4.37 111	23.31 592	11.77 299	24.21 615	8.86 225	7.24 184	8.19 208	11.02 280
KA157R97	5.12 130	27.76 705	14.72 374	27.80 706	11.02 280	9.06 230	9.96 253	12.80 325
KA157R107	5.12 130	27.76 705	16.26 413	27.80 706	11.02 280	10.04 255	9.96 253	15.04 382

Output Shaft Inch Series/*Optional Metric Series* For solid shaft design see page 410.

EH	U *	UF	UY	VG	VH	Key	M
16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*
19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

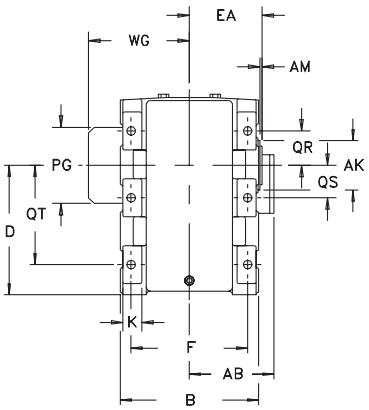
Motor

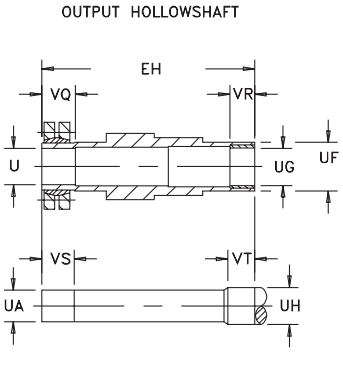
Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M	DV 132ML	DV 160M	DV 160L	DV 180	DV 200	DV 225
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KA127R77	**C**	40.94 1040	42.91 1090	43.62 1108	45.59 1158	47.01 1194	48.78 1239	49.57 1259	51.93 1319	51.93 1319	— —	— —	— —	— —
KA127R87	**C**	— —	44.61 1133	45.35 1152	47.32 1202	48.70 1237	50.47 1282	51.26 1302	53.62 1362	53.62 1362	55.51 1410	58.31 1481	— —	— —
KA157R97	**C**	— —	49.69 1262	50.47 1282	52.48 1333	53.86 1368	55.63 1413	56.42 1433	58.78 1493	58.78 1493	60.67 1541	63.50 1613	65.35 1660	— —
KA157R107	**C**	— —	— —	— —	54.45 1383	55.87 1419	57.64 1464	58.43 1484	60.79 1544	60.79 1544	62.68 1592	65.51 1664	67.36 1711	70.59 1793

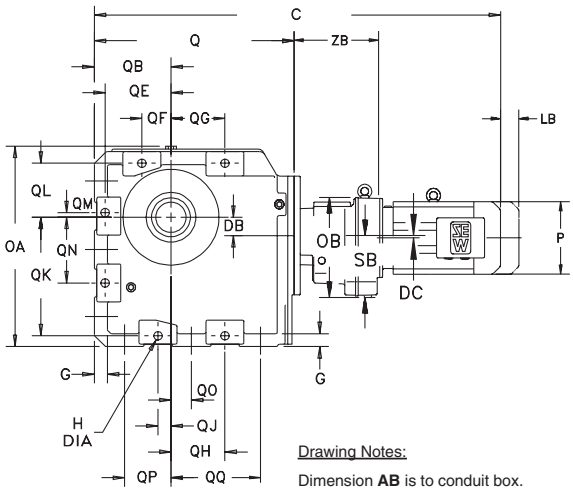
Dimensions are inch / mm

For Torque Arm details see page 406

See page 409 for available output shaft sizes.







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	AK *	AM	B	D *	DB	DC	EA	F	G	H	K	OA	OB	PG	Q
KH167R97	9.06 230	0.35 9	22.83 580	19.69 500	3.82 97	0.40 10.2	12.01 305	18.90 480	1.97 50	1.30 33	4.09 104	30.94 786	14.72 374	12.40 315	32.95 837
KH167R107	9.06 230	0.35 9	22.83 580	19.69 500	3.82 97	0.80 20.4	12.01 305	18.90 480	1.97 50	1.30 33	4.09 104	30.94 786	16.26 413	12.40 315	32.95 837

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	QB	QE	QF	QG	QH	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	SB	WG	ZB
KH167R97	12.40 315	10.43 265	4.53 115	8.27 210	8.27 210	2.76 70	17.72 450	8.66 220	0.87 22	9.84 250	2.76 70	7.87 200	13.39 340	6.10 155	4.53 115	15.16 385	9.06 230	16.18 411	12.80 325
KH167R107	12.40 315	10.43 265	4.53 115	8.27 210	8.27 210	2.76 70	17.72 450	8.66 220	0.87 22	9.84 250	2.76 70	7.87 200	13.39 340	6.10 155	4.53 115	15.16 385	10.04 255	16.18 411	15.04 382

Output Shaft Inch Series/*Optional Metric Series*

Model	EH	U *	UA *	UF	UG *	UH *	VQ	VR	VS	VT
KH167R97	— *728*	— *135*	— *135*	— *180*	— *140*	— *140*	— *122*	— *90*	— *130*	— *100*
KH167R107	— *728*	— *135*	— *135*	— *180*	— *140*	— *140*	— *122*	— *90*	— *130*	— *100*

*** Note: See page 33 for applicable tolerances.**

Dimensions are inch / mm

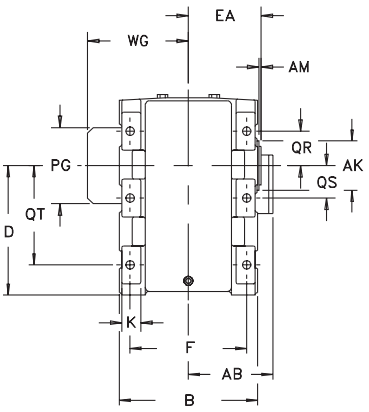
For Torque Arm details see page 406

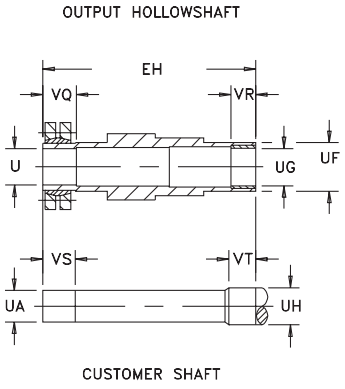
See page 409 for available output shaft sizes.

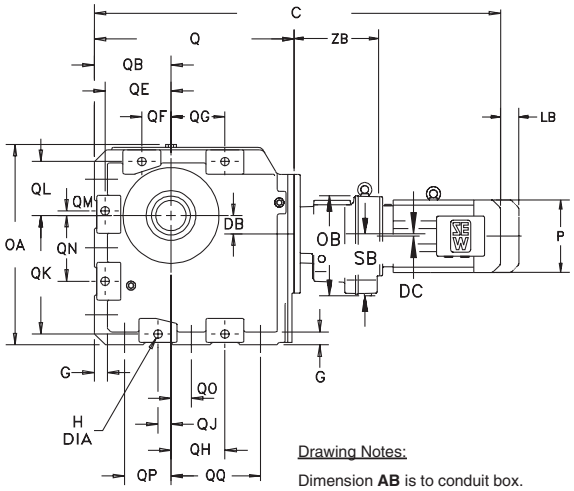
Motor

Model		DT			DV								
		80	90	100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	4.80 122	6.06 154	6.54 166	7.05 179	7.05 179	9.06 230	9.06 230	9.06 230	10.20 259	9.96 253	11.22 285	11.38 289
	LB	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KH167R97	C	54.84 1393	55.63 1413	57.60 1463	58.94 1497	60.71 1542	61.57 1564	63.94 1624	63.94 1624	65.79 1671	68.62 1743	70.51 1791	— —
KH167R107	C	— —	— —	59.61 1514	64.88 1648	66.65 1693	67.52 1715	69.88 1775	69.88 1775	71.73 1822	74.57 1894	76.46 1942	79.69 2024

Dimensions
Type KA Gearmotors - Shaft Mounted







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	AK *	AM	B	D *	DB	DC	EA	F	G	H	K	OA	OB	PG	Q
KH187R97	10.24 260	0.41 10.5	25.20 640	23.62 600	4.41 112	0.40 10.2	13.27 337	21.26 540	1.97 50	1.54 39	4.33 110	37.09 942	14.72 374	14.69 373	37.24 946
KH187R107	10.24 260	0.41 10.5	25.20 640	23.62 600	4.41 112	0.80 20.4	13.27 337	21.26 540	1.97 50	1.54 39	4.33 110	37.09 942	16.26 413	14.69 373	37.24 946

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	QB	QE	QF	QG	QH	QJ	QK	QL	QM	QN	QO	QP	QQ	QR	QS	QT	SB	WG	ZB
KH187R97	13.98 355	12.01 305	5.31 135	9.84 250	9.84 250	2.36 60	21.65 550	9.84 250	0.20 5	12.01 305	3.74 95	8.46 215	15.94 405	6.30 160	5.91 150	18.11 460	9.06 230	18.66 474	12.80 325
KH187R107	13.98 355	12.01 305	5.31 135	9.84 250	9.84 250	2.36 60	21.65 550	9.84 250	0.20 5	12.01 305	3.74 95	8.46 215	15.94 405	6.30 160	5.91 150	18.11 460	10.04 255	18.66 474	15.04 382

Output Shaft

Model	EH	U *	UA *	UF	UG *	UH *	VQ	VR	VS	VT
KH187R97	— *792*	— *155*	— *155*	— *200*	— *160*	— *160*	— *117*	— *95*	— *130*	— *105*
KH187R107	— *792*	— *155*	— *155*	— *200*	— *160*	— *160*	— *117*	— *95*	— *130*	— *105*

*** Note: See page 33 for applicable tolerances.**

Dimensions are $\frac{\text{inch}}{\text{mm}}$

For Torque Arm details see page 406

See page 409 for available output shaft sizes.

Motor

Model		DT			DV								
		80	90	100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	4.80 122	6.06 154	6.54 156	7.05 179	7.05 179	9.06 230	9.06 230	9.06 230	10.20 259	9.96 253	11.22 285	11.38 289
	LB	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KH187R97	C	59.13 1502	59.92 1522	61.89 1572	63.23 1606	65.00 1651	65.87 1673	68.23 1733	68.23 1733	70.08 1780	72.91 1852	74.80 1900	— —
KH187R107	C	— —	— —	63.90 1623	65.24 1657	67.01 1702	67.87 1724	70.24 1784	70.24 1784	72.09 1831	74.92 1903	76.81 1951	80.04 2033

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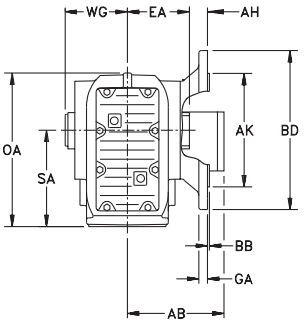
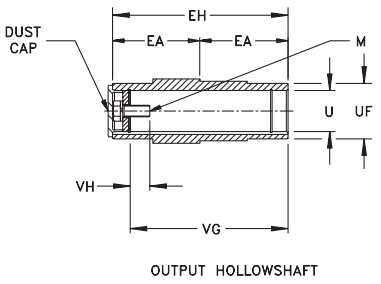
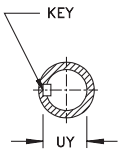
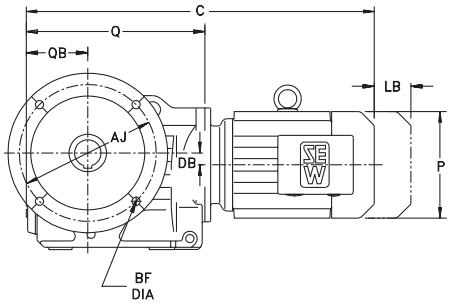
Dimensions
Type KAF Gearmotors - Flange Mounted with Hollowshaft





OUTPUT HOLLOWSHAFT





Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
KAF37	0.33 8.5	2.36 60	6.46 164	8.27 210	2.80 71	3.94 100	2.48 63
KAF47	0.28 7.2	2.95 75	7.28 185	9.57 243	3.03 77	4.41 112	3.07 78
KAF57	0.52 13.1	3.27 83	8.46 215	10.59 269	3.78 96	5.20 132	3.39 86
KAF67	0.79 20	3.54 90	8.90 226	10.75 273	3.70 94	5.51 140	3.70 94

Flange

AH	AJ	AK *	BB	BD	BF	GA
0.94 24	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
0.98 25	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
0.93 23.5	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
0.91 23	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

Model	EH	U *	UF	UY	VG	VH	Key	M
KAF37	4.72 *120*	1.250 *30*	1.77 *45*	1.37 *33.3*	4.13 *105*	0.67 *17*	1/4 × 1/4 × 1 11/16 *8 x 7 x 40*	7/16–14 × 1 *M10 x 25*
KAF47	5.91 *150*	1.375 *35*	1.97 *50*	1.52 *38.3*	5.20 *132*	0.65 *22*	5/16 × 5/16 × 1 13/16 *10 x 8 x 45*	1/2–13 × 1 *M12 x 30*
KAF57	6.54 *166*	1.500 *40*	2.17 *55*	1.67 *43.3*	5.59 *142*	1.36 *29*	3/8 × 3/8 × 2 1/4 *12 x 8 x 50*	5/8–11 × 1 3/4 *M16 x 40*
KAF67	7.09 *180*	1.500 *40*	2.17 *55*	1.67 *43.3*	6.14 *156*	1.36 *29*	3/8 × 3/8 × 2 1/4 *12 x 8 x 50*	5/8–11 × 1 3/4 *M16 x 40*

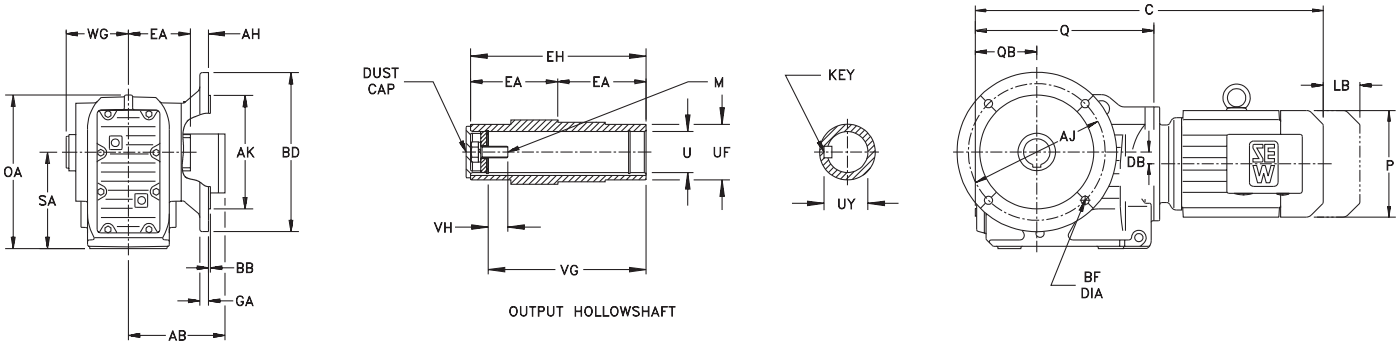
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
KAF37	**C**	16.34 415	18.31 465	19.09 485	21.18 538	— —	— —	— —
KAF47	**C**	17.40 442	19.37 492	20.16 512	22.13 562	— —	— —	— —
KAF57	**C**	18.43 468	20.39 518	21.18 538	23.15 588	24.53 623	26.42 671	27.28 693
KAF67	**C**	18.58 472	20.55 522	21.34 542	23.31 592	24.69 627	26.57 675	27.44 697

Dimensions are inch / mm

See page 409 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
KAF77	1.23 31.3	4.13 105	11.26 286	12.24 311	4.29 109	7.09 180	4.25 108
KAF87	1.02 25.9	4.72 120	13.31 338	15.31 389	5.20 132	8.35 212	4.84 123

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

EH	U *	UF	UY	VG	VH	Key	M
8.27 *210*	2.000 *50*	2.76 *70*	2.22 *53.8*	7.20 *183*	1.16 *32*	1/2 × 1/2 × 2 5/8 *14 x 9 x 80*	5/8-11 × 1 3/4 *M16 x 45*
9.45 *240*	2.375 *60*	3.35 *85*	2.65 *64.4*	8.27 *210*	1.39 *36*	5/8 × 5/8 × 3 5/8 *18 x 11 x 100*	3/4-10 × 2 *M20 x 50*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
KAF77	Option 1	1.46 37	10.43 265	9.055 230	0.16 4	11.81 300	0.53 13.5	0.63 16
	Option 2[1)]	1.46 37	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
KAF87		1.18 30	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.71 18

*** Note: See page 33 for applicable tolerances.**

Motor

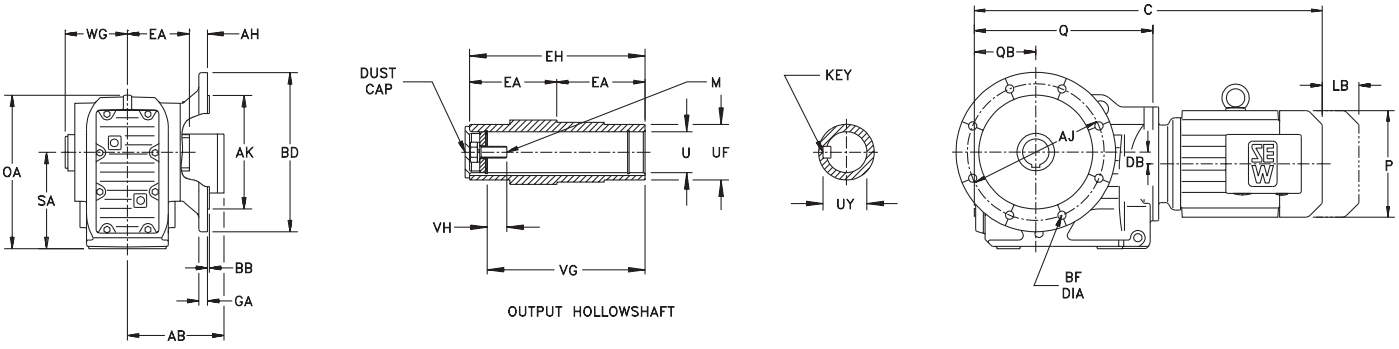
Model		DT				DV						
		71	80	90	100	112M	132S	132M	132ML	160M	160L	180
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331
KAF77	C	19.84 504	21.81 554	22.52 572	24.49 622	25.91 658	27.68 703	28.46 723	30.83 783	30.83 783	— —	— —
KAF87	C	— —	24.69 627	25.43 646	27.40 696	28.78 731	30.55 776	31.34 796	33.70 856	33.70 856	35.59 904	38.39 975

Dimensions are inch / mm

See page 409 for available output shaft sizes.

[1)] This flange option reduces the gearbox torque rating - contact SEW-Eurodrive for details

Dimensions
Type KAF Gearmotors - Flange Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
KAF97	1.27 32.3	5.91 150	16.30 414	17.13 435	6.22 158	10.43 265	6.02 153
KAF107	2.05 52	6.89 175	19.69 500	21.14 537	7.72 196	12.40 315	7.01 178

Flange

AH	AJ	AK *	BB	BD	BF	GA
1.63 41.5	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22
1.61 41	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

Model	EH	U *	UF	UY	VG	VH	Key	M
KAF97	11.81 *300*	2.750 *70*	3.74 *95*	3.03 *74.9*	10.63 *270*	1.24 *34*	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{5}/_{8}$ *20 x 12 x 110*	$^{3}/_{4}$–10 × 2 *M20 x 50*
KAF107	13.78 *350*	3.625 *90*	4.65 *118*	3.89 *95.4*	12.32 *313*	1.24 *40*	$^{7}/_{8} \times {}^{5}/_{8} \times 3^{1}/_{2}$ *25 x 14 x 160*	$^{3}/_{4}$–10 × 2 *M24 x 60*

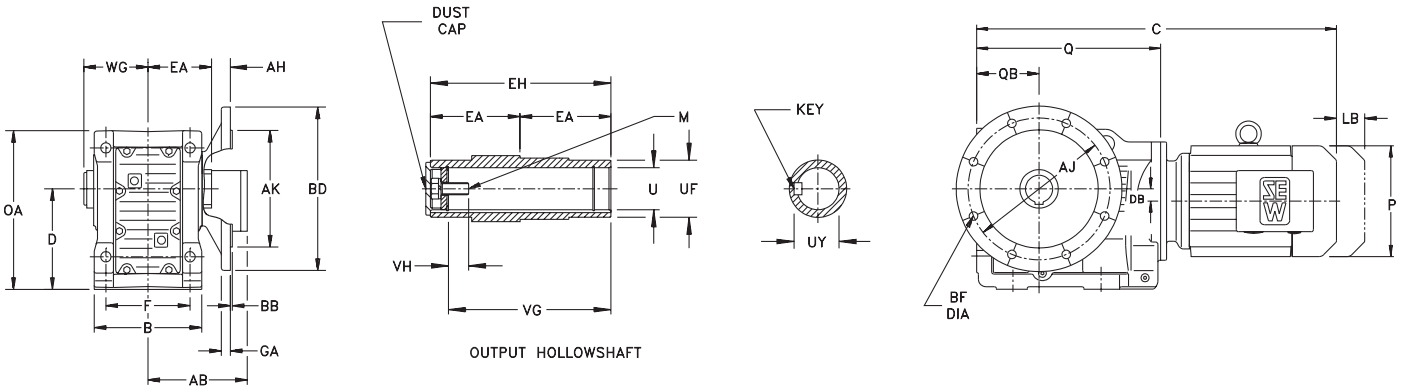
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT		DV								
		90	100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KAF97	**C**	27.01 686	29.02 737	30.39 772	32.17 817	32.95 837	35.31 897	35.31 897	37.20 945	40.04 1017	41.89 1064	— —
KAF107	**C**	— —	32.76 832	34.17 868	35.94 913	36.73 933	39.09 993	39.09 993	40.98 1041	43.82 1113	45.67 1160	48.90 1242

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 409 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	D *	DB	EA	OA	Q	QB	WG
KAF127	14.76 375	2.09 53	8.07 205	23.31 592	24.21 615	8.86 225	8.19 208
KAF157	17.72 450	2.82 71.7	9.84 250	27.76 705	27.80 706	11.02 280	9.96 253

Flange

AH	AJ	AK *	BB	BD	BF	GA
2.01 51	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	0.98 25
2.36 60	23.62 600	21.654 550	0.24 6	25.98 660	0.87 22	1.10 28

*** Note: See page 33 for applicable tolerances.**

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

Model	EH	U *	UF	UY	VG	VH	Key	M
KAF127	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
KAF157	19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

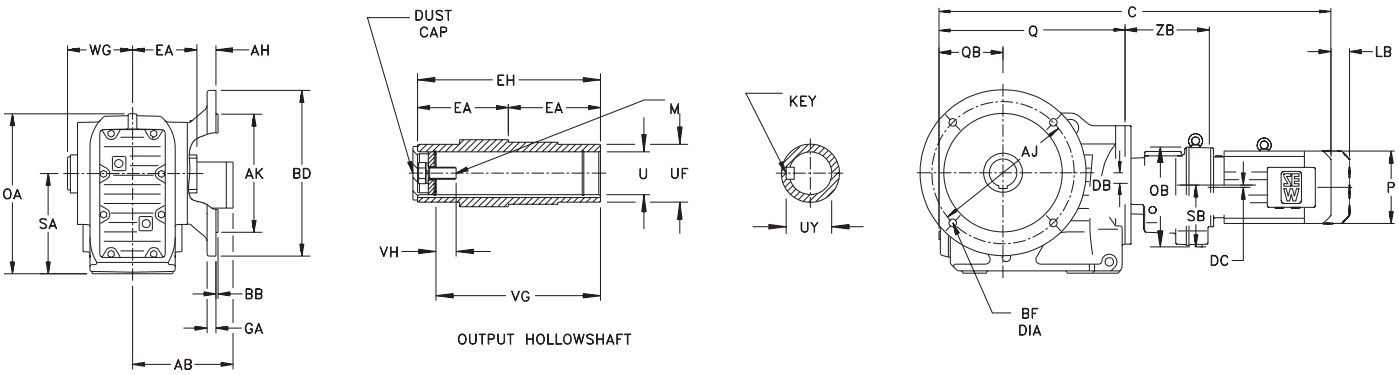
Motor

Model		DV 132M	132ML	160M	160L	180	200	225
	AB	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KAF127	C	39.21 996	41.57 1056	41.57 1056	43.46 1104	46.30 1176	48.15 1223	51.38 1305
KAF157	C	— —	44.84 1139	44.84 1139	46.73 1187	49.57 1259	51.42 1306	54.65 1388

Dimensions are inch / mm

See page 409 for available output shaft sizes.

Dimensions
Type KAF Gearmotors - Flange Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
KAF37R17	0.33 8.5	0.00 0	2.36 60	6.46 164	5.31 135	8.27 210	2.80 71	3.94 100	2.99 76	2.48 63	6.89 175
KAF47R37	0.28 7.2	0.40 10.1	2.95 75	7.28 185	6.10 155	9.57 243	3.03 77	4.41 112	3.70 94	3.07 78	6.50 165
KAF57R37	0.52 13.1	0.40 10.1	3.27 83	8.46 215	6.10 155	10.59 269	3.78 96	5.20 132	3.70 94	3.39 86	6.50 165
KAF67R37	0.79 20	0.40 10.1	3.54 90	8.90 226	6.10 155	10.75 273	3.70 94	5.51 140	3.70 94	3.70 94	6.50 165

Flange

AH	AJ	AK *	BB	BD	BF	GA
0.94 24	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
0.98 25	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
0.93 23.5	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
0.91 23	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

Model	EH	U *	UF	UY	VG	VH	Key	M
KAF37R17	4.72 *120*	1.250 *30*	1.77 *45*	1.37 *33.3*	4.13 *105*	0.67 *17*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 40*	$^{7}/_{16}$–14 × 1 *M10 x 25*
KAF47R37	5.91 *150*	1.375 *35*	1.97 *50*	1.52 *38.3*	5.20 *132*	0.65 *22*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 45*	$^{1}/_{2}$–13 × 1 *M12 x 30*
KAF57R37	6.54 *166*	1.500 *40*	2.17 *55*	1.67 *43.3*	5.59 *142*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$–11 × $1^{3}/_{4}$ *M16 x 40*
KAF67R37	7.09 *180*	1.500 *40*	2.17 *55*	1.67 *43.3*	6.14 *156*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$–11 × $1^{3}/_{4}$ *M16 x 40*

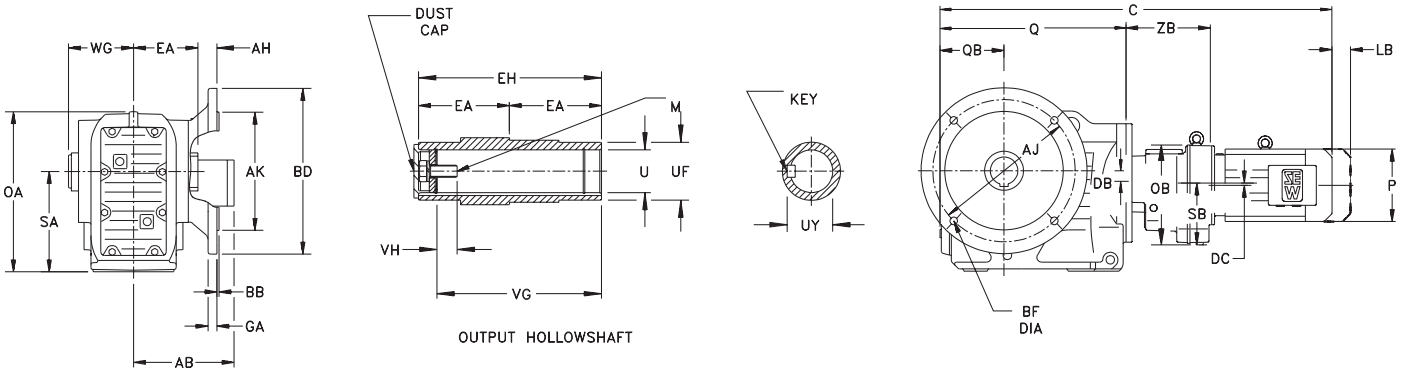
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
KAF37R17	**C**	21.61 549	23.58 599	— —	— —
KAF47R37	**C**	24.13 613	26.10 663	26.89 683	28.98 736
KAF57R37	**C**	25.16 639	27.13 689	27.91 709	30.00 762
KAF67R37	**C**	25.31 643	27.28 693	28.07 713	30.16 766

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 409 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
KAF77R37	1.23	0.40	4.13	11.26	6.10	12.24	4.29	7.09	3.70	4.25	6.18
	31.3	*10.1*	*105*	*286*	*155*	*311*	*109*	*180*	*94*	*108*	*157*
KAF87R57	1.02	0.44	4.72	13.31	7.60	15.31	5.20	8.35	4.76	4.84	8.50
	25.9	*11.2*	*120*	*338*	*193*	*389*	*132*	*212*	*121*	*123*	*216*

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

Model	EH	U *	UF	UY	VG	VH	Key	M
KAF77R37	8.27 *210*	2.000 *50*	2.76 *70*	2.22 *53.8*	7.20 *183*	1.16 *32*	$^1/_2 \times {}^1/_2 \times 2^5/_8$ *14 x 9 x 80*	$^5/_8$-11 × $1^3/_4$ *M16 x 45*
KAF87R57	9.45 *240*	2.375 *60*	3.35 *85*	2.65 *64.4*	8.27 *210*	1.39 *36*	$^5/_8 \times {}^5/_8 \times 3^5/_8$ *18 x 11 x 100*	$^3/_4$-10 × 2 *M20 x 50*

*** Note: See page 33 for applicable tolerances.**

Flange

Model		AH	AJ	AK *	BB	BD	BF	GA
KAF77R37	**Option 1**	1.46 37	10.43 265	9.055 230	0.16 4	11.81 300	0.53 13.5	0.63 16
	Option 2[1)]	1.46 37	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
KAF87R57		1.18 30	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.71 18

*** Note: See page 33 for applicable tolerances.**

Motor

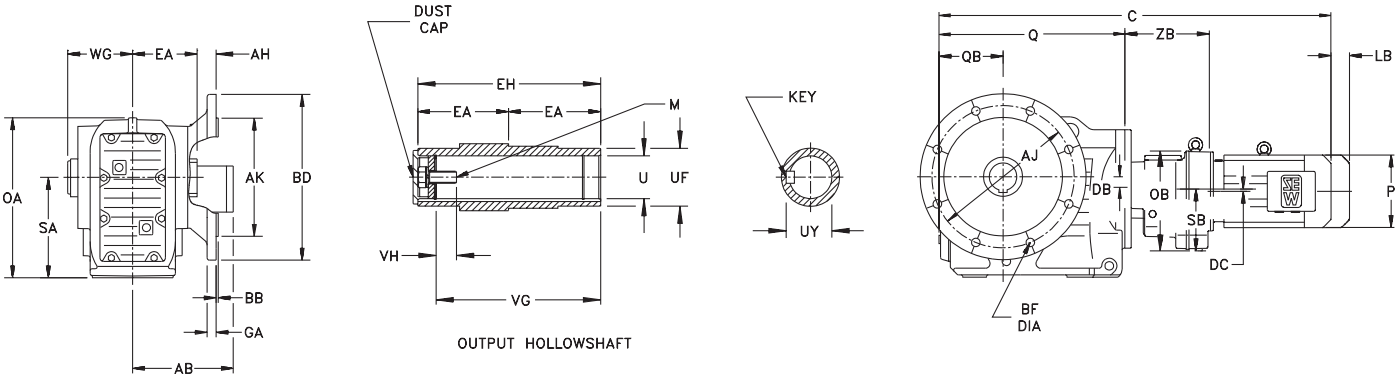
Model		DT				DV		
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
KAF77R37	**C**	26.50 673	28.46 723	29.25 743	31.34 796	— —	— —	— —
KAF87R57	**C**	31.65 804	33.62 854	34.41 874	36.38 924	37.76 959	39.65 1007	40.51 1029

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 409 for available output shaft sizes.

[1)] **This flange option reduces the gearbox torque rating - contact SEW-Eurodrive for details**

Dimensions
Type KAF Gearmotors - Flange Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
KAF97R57	1.27 32.3	0.44 11.2	5.91 150	16.30 414	7.60 193	17.13 435	6.22 158	10.43 265	4.76 121	6.02 153	8.31 211
KAF107R77	2.05 52	0.63 15.9	6.89 175	19.69 500	9.13 232	21.14 537	7.72 196	12.40 315	5.67 144	7.01 178	9.72 247

Flange

AH	AJ	AK *	BB	BD	BF	GA
1.63 41.5	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22
1.61 41	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

Model	EH	U *	UF	UY	VG	VH	Key	M
KAF97R57	11.81 *300*	2.750 *70*	3.74 *95*	3.03 *74.9*	10.63 *270*	1.24 *34*	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{5}/_{8}$ *20 x 12 x 110*	$^{3}/_{4}$–10 × 2 *M20 x 50*
KAF107R77	13.78 *350*	3.625 *90*	4.65 *118*	3.89 *95.4*	12.32 *313*	1.24 *40*	$^{7}/_{8} \times {}^{5}/_{8} \times 3^{1}/_{2}$ *25 x 14 x 160*	$^{3}/_{4}$–10 × 2 *M24 x 60*

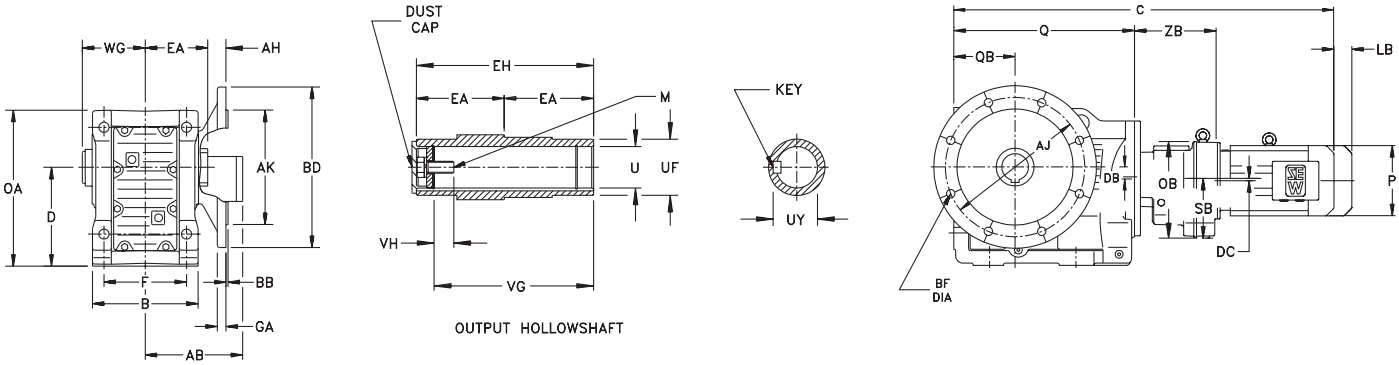
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT				DV				
		71	80	90	100	112M	132S	132M	132ML	160M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275
KAF97R57	**C**	33.27 845	35.24 895	36.02 915	37.99 965	39.37 1000	41.26 1048	42.13 1070	— —	— —
KAF107R77	**C**	38.46 977	40.43 1027	41.14 1045	43.11 1095	44.53 1131	46.30 1176	47.09 1196	49.45 1256	49.45 1256

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 409 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D *	DB	DC	EA	OA	OB	Q	QB	SB	WG	ZB
KAF127R77	14.76 375	2.09 53	0.63 15.9	8.07 205	23.31 592	9.13 232	24.21 615	8.86 225	5.67 144	8.19 208	9.13 232
KAF127R87	14.76 375	2.09 53	0.50 12.6	8.07 205	23.31 592	11.77 299	24.21 615	8.86 225	7.24 184	8.19 208	11.02 280
KAF157R97	17.72 450	2.82 71.7	0.40 10.2	9.84 250	27.76 705	14.72 374	27.80 706	11.02 280	9.06 230	9.96 253	12.80 325
KAF157R107	17.72 450	2.82 71.7	0.80 20.4	9.84 250	27.76 705	16.26 413	27.80 706	11.02 280	10.04 255	9.96 253	15.04 382

*** Note: See page 33 for applicable tolerances.**

Flange

AH	AJ	AK *	BB	BD	BF	GA
2.01 51	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	0.98 25
2.01 51	19.69 500	17.717 450	0.20 5	21.65 550	0.69 17.5	0.98 25
2.36 60	23.62 600	21.654 550	0.24 6	25.98 660	0.87 22	1.10 28
2.36 60	23.62 600	21.654 550	0.24 6	25.98 660	0.87 22	1.10 28

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

Model	EH	U *	UF	UY	VG	VH	Key	M
KAF127R77	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
KAF127R87	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
KAF157R97	19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*
KAF157R107	19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

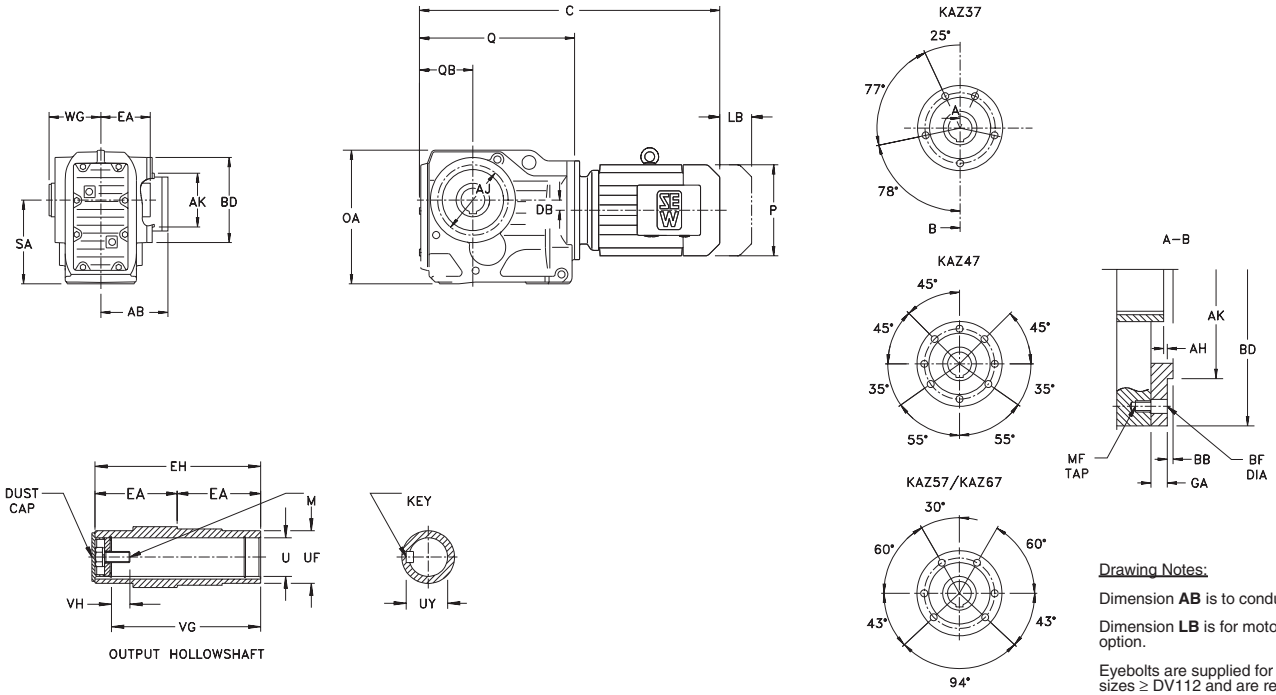
Motor

Model		DT				DV								
		71	80	90	100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KAF127R77	**C**	40.94 1040	42.91 1090	43.62 1108	45.59 1158	47.01 1194	48.78 1239	49.57 1259	51.93 1319	51.93 1319	— —	— —	— —	— —
KAF127R87	**C**	— —	44.61 1133	45.35 1152	47.32 1202	48.70 1237	50.47 1282	51.26 1302	53.62 1362	53.62 1362	55.51 1410	58.31 1481	— —	— —
KAF157R97	**C**	— —	49.69 1262	50.47 1282	52.48 1333	53.86 1368	55.63 1413	56.42 1433	58.78 1493	58.78 1493	60.67 1541	63.50 1613	65.35 1660	— —
KAF157R107	**C**	— —	— —	— —	54.45 1383	55.87 1419	57.64 1464	58.43 1484	60.79 1544	60.79 1544	62.68 1592	65.51 1664	67.36 1711	70.59 1793

Dimensions are inch / mm

See page 409 for available output shaft sizes.

Dimensions
Type KAZ Gearmotors - Face Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
KAZ37	0.33 8.5	2.36 60	6.46 164	8.27 210	2.80 71	3.94 100	2.48 63
KAZ47	0.28 7.2	2.95 75	7.28 185	9.57 243	3.03 77	4.41 112	3.07 78
KAZ57	0.52 13.1	3.27 83	8.46 215	10.59 269	3.78 96	5.20 132	3.39 86
KAZ67	0.79 20	3.54 90	8.90 226	10.75 273	3.70 94	5.51 140	3.70 94

Face Flange

AH	AJ	AK *	BB	BD	BF	GA	MF
0.35 9	3.70 94	3.150 80	0.12 3	4.33 110	0.35 9	0.45 11.5	M8 x 0.47 M8 x 12
0.33 8.5	4.02 102	3.150 80	0.12 3	4.72 120	0.35 9	0.43 11	M8 x 0.47 M8 x 12
0.35 9	4.92 125	4.134 105	0.14 3.5	6.10 155	0.53 13.5	0.47 12	M12 x 0.79 M12 x 20
0.33 8.5	4.92 125	4.134 105	0.14 3.5	6.10 155	0.53 13.5	0.47 12	M12 x 0.79 M12 x 20

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

Model	EH	U *	UF	UY	VG	VH	Key	M
KAZ37	4.72 *120*	1.250 *30*	1.77 *45*	1.37 *33.3*	4.13 *105*	0.67 *17*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 40*	$^{7}/_{16}$–14 × 1 *M10 x 25*
KAZ47	5.91 *150*	1.375 *35*	1.97 *50*	1.52 *38.3*	5.20 *132*	0.65 *22*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 45*	$^{1}/_{2}$–13 × 1 *M12 x 30*
KAZ57	6.54 *166*	1.500 *40*	2.17 *55*	1.67 *43.3*	5.59 *142*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$–11 × $1^{3}/_{4}$ *M16 x 40*
KAZ67	7.09 *180*	1.500 *40*	2.17 *55*	1.67 *43.3*	6.14 *156*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$–11 × $1^{3}/_{4}$ *M16 x 40*

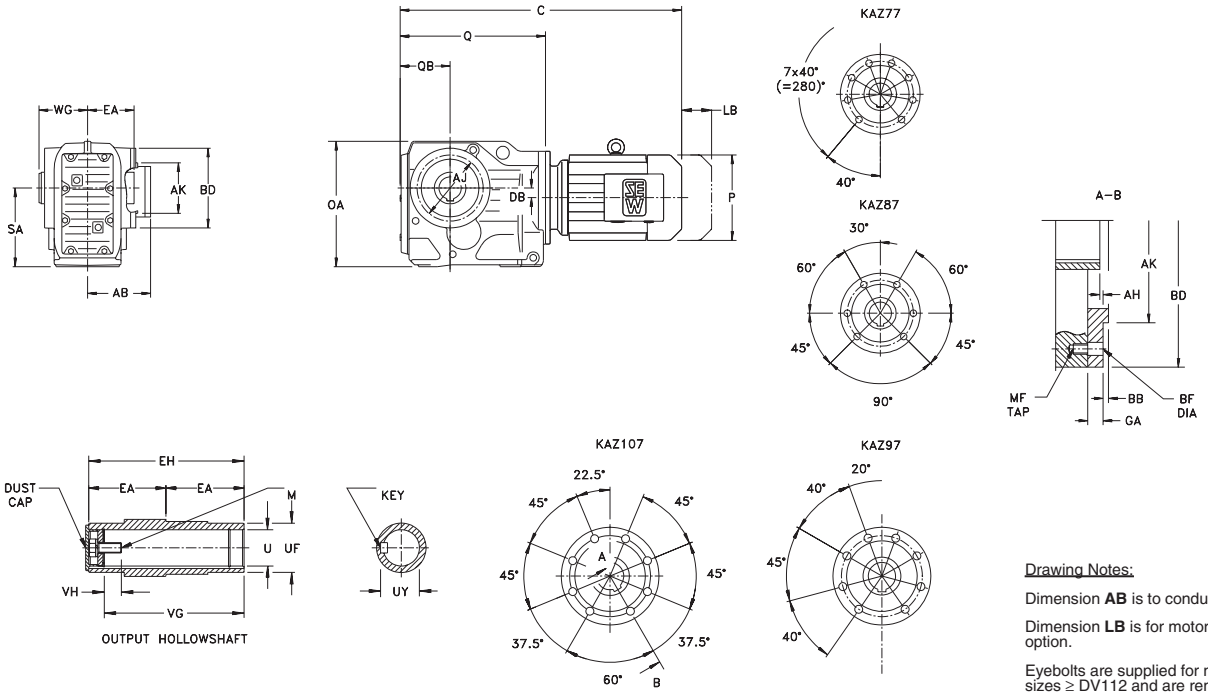
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
KAZ37	**C**	16.34 415	18.31 465	19.09 485	21.18 538	— —	— —	— —
KAZ47	**C**	17.40 442	19.37 492	20.16 512	22.13 562	— —	— —	— —
KAZ57	**C**	18.43 468	20.39 518	21.18 538	23.15 588	24.53 623	26.42 671	27.28 693
KAZ67	**C**	18.58 472	20.55 522	21.34 542	23.31 592	24.69 627	26.57 675	27.44 697

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 409 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
KAZ77	1.23 31.3	4.13 105	11.26 286	12.24 311	4.29 109	7.09 180	4.25 108
KAZ87	1.02 25.9	4.72 120	13.31 338	15.31 389	5.20 132	8.35 212	4.84 123
KAZ97	1.27 32.3	5.91 150	16.30 414	17.13 435	6.22 158	10.43 265	6.02 153
KAZ107	2.05 52	6.89 175	19.69 500	21.14 537	7.72 196	12.40 315	7.01 178

Face Flange

AH	AJ	AK *	BB	BD	BF	GA	MF
0.39 10	5.59 142	4.921 125	0.14 3.5	6.69 170	0.53 13.5	0.55 14	M12 x 0.79 M12 x 20
0.43 11	7.01 178	6.102 155	0.16 4	8.46 215	0.69 17.5	0.59 15	M16 x 1.02 M16 x 26
0.55 14	8.66 220	7.087 180	0.16 4	10.24 260	0.69 17.5	0.71 18	M16 x 1.02 M16 x 26
-0.31 -8	10.24 260	8.268 210	0.16 4	11.97 304	0.87 22	0.87 22	M20 x 1.18 M20 x 30

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

Model	EH	U *	UF	UY	VG	VH	Key	M
KAZ77	8.27 *210*	2.000 *50*	2.76 *70*	2.22 *53.8*	7.20 *183*	1.16 *32*	1/2 × 1/2 × 2 5/8 *14 x 9 x 80*	5/8-11 × 1 3/4 *M16 x 45*
KAZ87	9.45 *240*	2.375 *60*	3.35 *85*	2.65 *64.4*	8.27 *210*	1.39 *36*	5/8 × 5/8 × 3 5/8 *18 x 11 x 100*	3/4-10 × 2 *M20 x 50*
KAZ97	11.81 *300*	2.750 *70*	3.74 *95*	3.03 *74.9*	10.63 *270*	1.24 *34*	5/8 × 5/8 × 3 5/8 *20 x 12 x 110*	3/4-10 × 2 *M20 x 50*
KAZ107	13.78 *350*	3.625 *90*	4.65 *118*	3.89 *95.4*	12.32 *313*	1.24 *40*	7/8 × 5/8 × 3 1/2 *25 x 14 x 160*	3/4-10 × 2 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

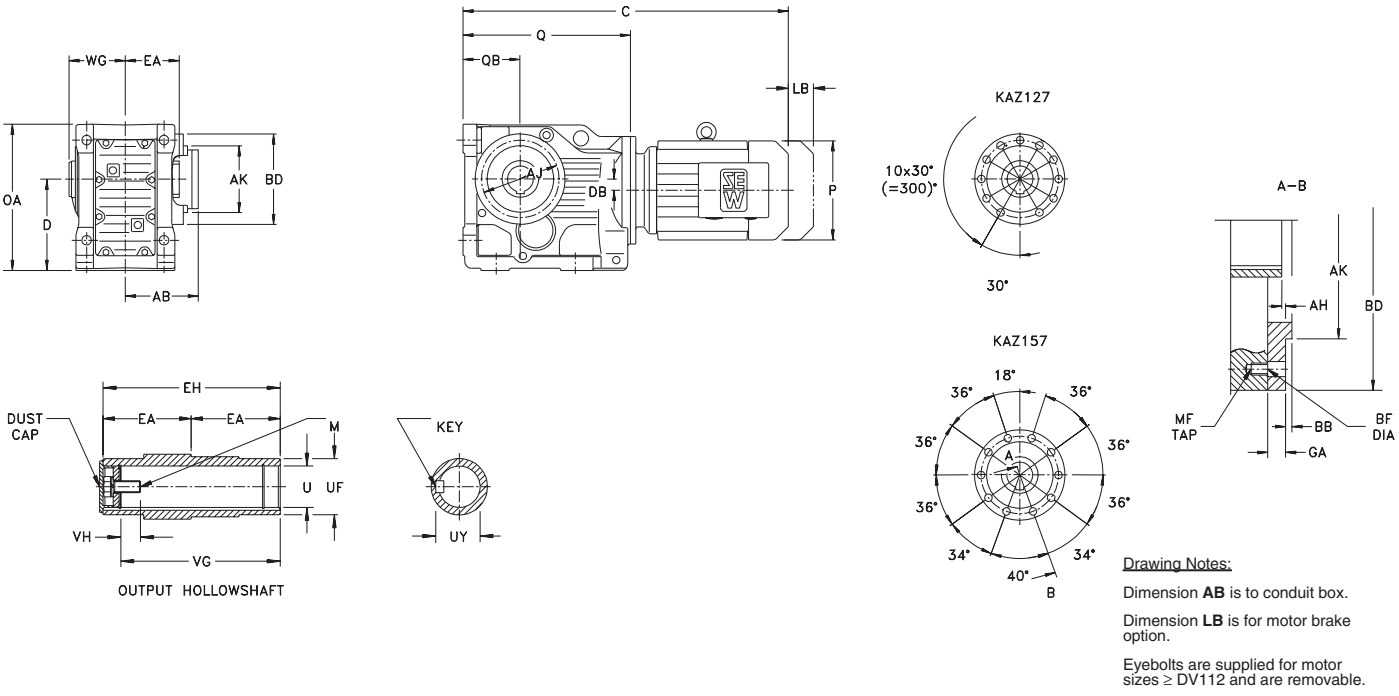
Motor

Model		DT				DV								
		71	80	90	100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KAZ77	**C**	19.84 504	21.81 554	22.52 572	24.49 622	25.91 658	27.68 703	28.46 723	30.83 783	30.83 783	— —	— —	— —	— —
KAZ87	**C**	— —	24.69 627	25.43 646	27.40 696	28.78 731	30.55 776	31.34 796	33.70 856	33.70 856	35.59 904	38.39 975	— —	— —
KAZ97	**C**	— —	— —	27.01 686	29.02 737	30.39 772	32.17 817	32.95 837	35.31 897	35.31 897	37.20 945	40.04 1017	41.89 1064	— —
KAZ107	**C**	— —	— —	— —	32.76 832	34.17 868	35.94 913	36.73 933	39.09 993	39.09 993	40.98 1041	43.82 1113	45.67 1160	48.90 1242

Dimensions are inch / mm

See page 409 for available output shaft sizes.

Dimensions
Type KAZ Gearmotors - Face Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	D *	DB	EA	OA	Q	QB	WG
KAZ127	14.76 375	2.09 53	8.07 205	23.31 592	24.21 615	8.86 225	8.19 208
KAZ157	17.72 450	2.82 71.7	9.84 250	27.76 705	27.80 706	11.02 280	9.96 253

Face Flange

AH	AJ	AK *	BB	BD	BF	GA	MF
0.00 0	11.81 300	9.843 250	0.20 5	13.78 350	0.87 22	1.18 30	M20 x 1.10 M20 x 28
-0.55 -14	13.39 340	11.417 290	0.20 5	15.75 400	1.02 26	1.10 28	M24 x 1.42 M24 x 36

*** Note: See page 33 for applicable tolerances.**

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

Model	EH	U *	UF	UY	VG	VH	Key	M
KAZ127	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
KAZ157	19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*

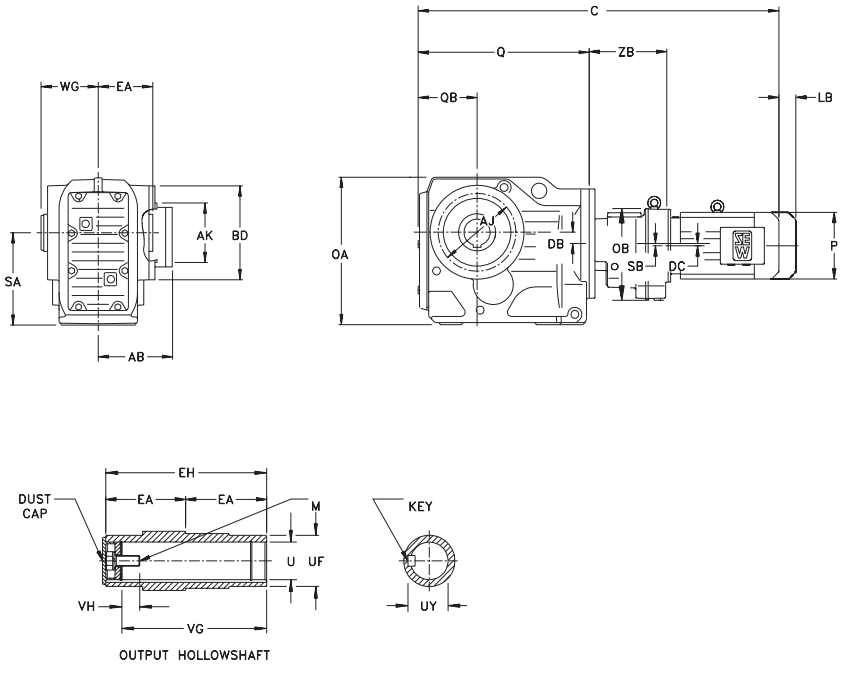
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DV 132M	132ML	160M	160L	180	200	225
	AB	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KAZ127	**C**	39.21 996	41.57 1056	41.57 1056	43.46 1104	46.30 1176	48.15 1223	51.38 1305
KAZ157	**C**	— —	44.84 1139	44.84 1139	46.73 1187	49.57 1259	51.42 1306	54.65 1388

Dimensions are inch / mm

See page 409 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
KAZ37R17	0.33 8.5	0.00 0	2.36 60	6.46 164	5.31 135	8.27 210	2.80 71	3.94 100	2.99 76	2.48 63	6.89 175
KAZ47R37	0.28 7.2	0.40 10.1	2.95 75	7.28 185	6.10 155	9.57 243	3.03 77	4.41 112	3.70 94	3.07 78	6.50 165
KAZ57R37	0.52 13.1	0.40 10.1	3.27 83	8.46 215	6.10 155	10.59 269	3.78 96	5.20 132	3.70 94	3.39 86	6.50 165
KAZ67R37	0.79 20	0.40 10.1	3.54 90	8.90 226	6.10 155	10.75 273	3.70 94	5.51 140	3.70 94	3.70 94	6.50 165

Face Flange

AH	AJ	AK *	BB	BD	BF	GA	MF
0.35 9	3.70 94	3.150 80	0.12 3	4.33 110	0.35 9	0.45 11.5	M8 x 0.47 M8 x 12
0.33 8.5	4.02 102	3.150 80	0.12 3	4.72 120	0.35 9	0.43 11	M8 x 0.47 M8 x 12
0.35 9	4.92 125	4.134 105	0.14 3.5	6.10 155	0.53 13.5	0.47 12	M12 x 0.79 M12 x 20
0.33 8.5	4.92 125	4.134 105	0.14 3.5	6.10 155	0.53 13.5	0.47 12	M12 x 0.79 M12 x 20

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

Model	EH	U *	UF	UY	VG	VH	Key	M
KAZ37R17	4.72 *120*	1.250 *30*	1.77 *45*	1.37 *33.3*	4.13 *105*	0.67 *17*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 40*	$^{7}/_{16}$-14 × 1 *M10 x 25*
KAZ47R37	5.91 *150*	1.375 *35*	1.97 *50*	1.52 *38.3*	5.20 *132*	0.65 *22*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 45*	$^{1}/_{2}$-13 × 1 *M12 x 30*
KAZ57R37	6.54 *166*	1.500 *40*	2.17 *55*	1.67 *43.3*	5.59 *142*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$-11 × $1^{3}/_{4}$ *M16 x 40*
KAZ67R37	7.09 *180*	1.500 *40*	2.17 *55*	1.67 *43.3*	6.14 *156*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *12 x 8 x 50*	$^{5}/_{8}$-11 × $1^{3}/_{4}$ *M16 x 40*

*** Note: See page 33 for applicable tolerances.**

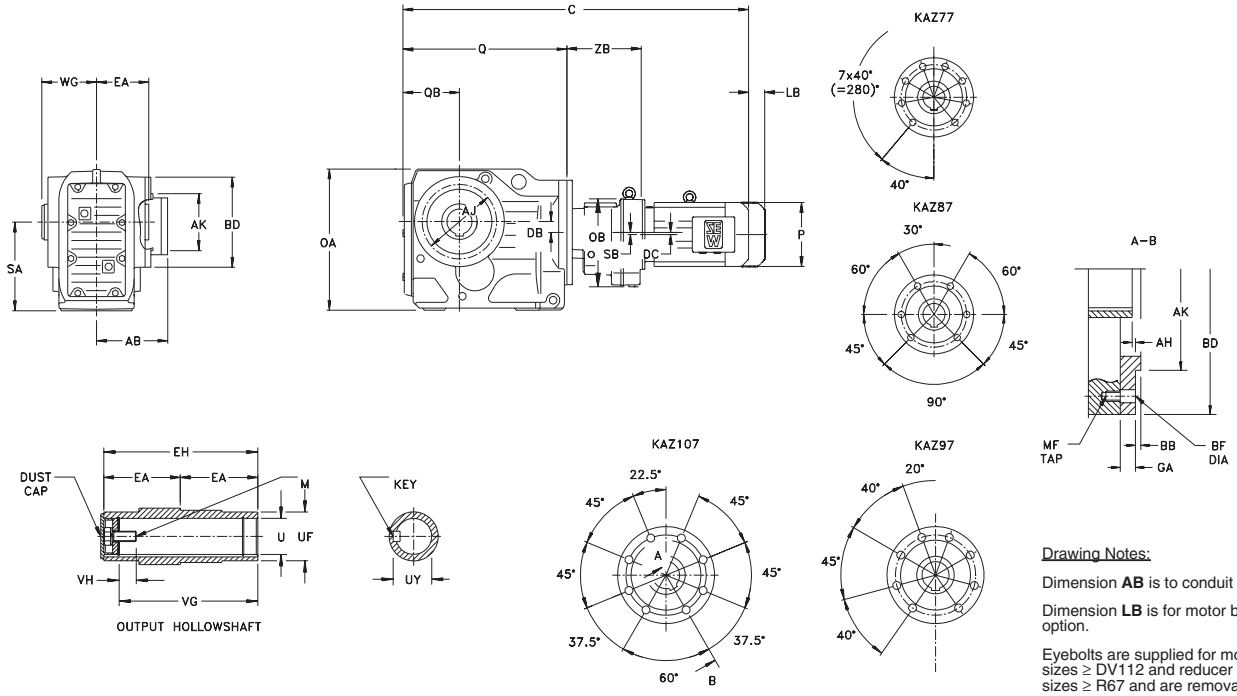
Motor

Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
KAZ37R17	**C**	21.61 549	23.58 599	— —	— —
KAZ47R37	**C**	24.13 613	26.10 663	26.89 683	28.98 736
KAZ57R37	**C**	25.16 639	27.13 689	27.91 709	30.00 762
KAZ67R37	**C**	25.31 643	27.28 693	28.07 713	30.16 766

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 409 for available output shaft sizes.

Dimensions
Type KAZ Gearmotors - Face Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
KAZ77R37	1.23 31.3	0.40 10.1	4.13 105	11.26 286	6.10 155	12.24 311	4.29 109	7.09 180	3.70 94	4.25 108	6.18 157
KAZ87R57	1.02 25.9	0.44 11.2	4.72 120	13.31 338	7.60 193	15.31 389	5.20 132	8.35 212	4.76 121	4.84 123	8.50 216
KAZ97R57	1.27 32.3	0.44 11.2	5.91 150	16.30 414	7.60 193	17.13 435	6.22 158	10.43 265	4.76 121	6.02 153	8.31 211
KAZ107R77	2.05 52	0.63 15.9	6.89 175	19.69 500	9.13 232	21.14 537	7.72 196	12.40 315	5.67 144	7.01 178	9.72 247

Face Flange

AH	AJ	AK *	BB	BD	BF	GA	MF
0.39 10	5.59 142	4.921 125	0.14 3.5	6.69 170	0.53 13.5	0.55 14	M12 x 0.79 M12 x 20
0.43 11	7.01 178	6.102 155	0.16 4	8.46 215	0.69 17.5	0.59 15	M16 x 1.02 M16 x 26
0.55 14	8.66 220	7.087 180	0.16 4	10.24 260	0.69 17.5	0.71 18	M16 x 1.02 M16 x 26
-0.31 -8	10.24 260	8.268 210	0.16 4	11.97 304	0.87 22	0.87 22	M20 x 1.18 M20 x 30

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

Model	EH	U *	UF	UY	VG	VH	Key	M
KAZ77R37	8.27 *210*	2.000 *50*	2.76 *70*	2.22 *53.8*	7.20 *183*	1.16 *32*	1/2 × 1/2 × 2 5/8 *14 x 9 x 80*	5/8–11 × 1 3/4 *M16 x 45*
KAZ87R57	9.45 *240*	2.375 *60*	3.35 *85*	2.65 *64.4*	8.27 *210*	1.39 *36*	5/8 × 5/8 × 3 5/8 *18 x 11 x 100*	3/4–10 × 2 *M20 x 50*
KAZ97R57	11.81 *300*	2.750 *70*	3.74 *95*	3.03 *74.9*	10.63 *270*	1.24 *34*	5/8 × 5/8 × 3 5/8 *20 x 12 x 110*	3/4–10 × 2 *M20 x 50*
KAZ107R77	13.78 *350*	3.625 *90*	4.65 *118*	3.89 *95.4*	12.32 *313*	1.24 *40*	7/8 × 5/8 × 3 1/2 *25 x 14 x 160*	3/4–10 × 2 *M24 x 60*

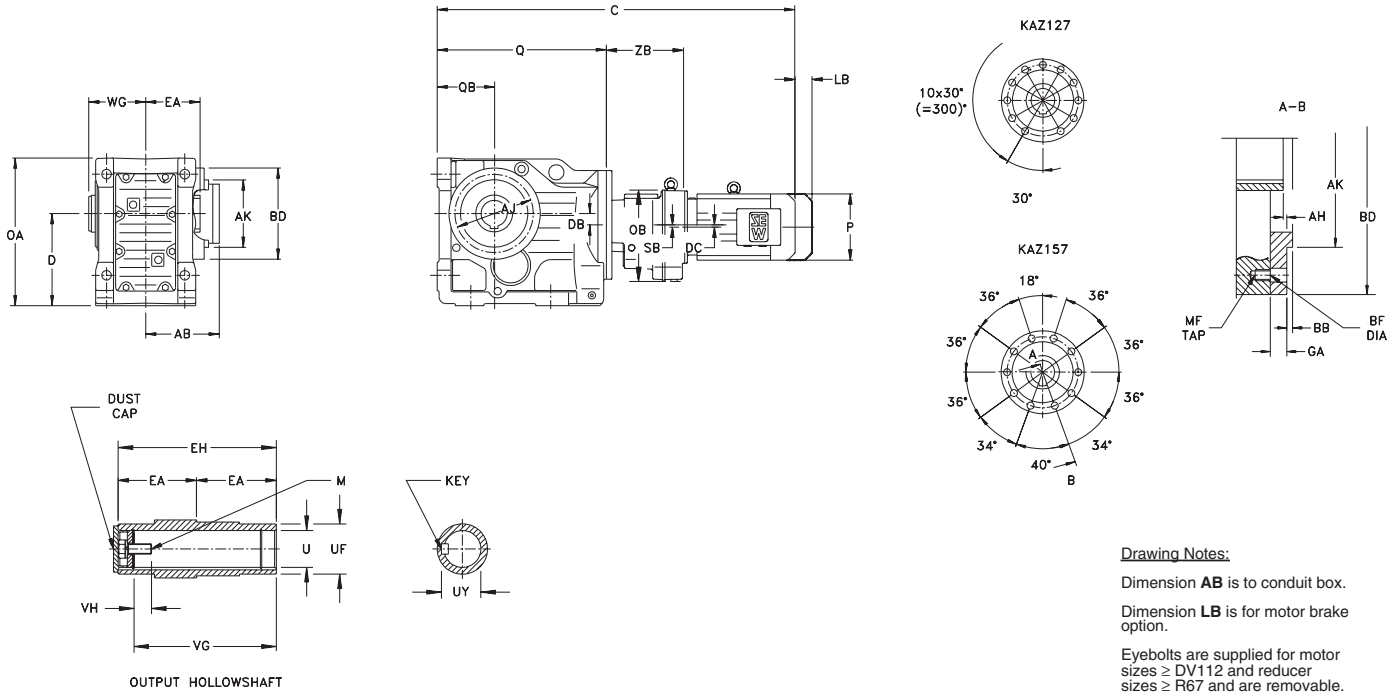
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT				DV				
		71	80	90	100	112M	132S	132M	132ML	160M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275
KAZ77R37	**C**	26.50 673	28.46 723	29.25 743	31.34 796	— —	— —	— —	— —	— —
KAZ87R57	**C**	31.65 804	33.62 854	34.41 874	36.38 924	37.76 959	39.65 1007	40.51 1029	— —	— —
KAZ97R57	**C**	33.27 845	35.24 895	36.02 915	37.99 965	39.37 1000	41.26 1048	42.13 1070	— —	— —
KAZ107R77	**C**	38.46 977	40.43 1027	41.14 1045	43.11 1095	44.53 1131	46.30 1176	47.09 1196	49.45 1256	49.45 1256

Dimensions are inch / mm

See page 409 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and reducer sizes ≥ R67 and are removable.

Gearcase

Model	D *	DB	DC	EA	OA	OB	Q	QB	SB	WG	ZB
KAZ127R77	14.76 375	2.09 53	0.63 15.9	8.07 205	23.31 592	9.13 232	24.21 615	8.86 225	5.67 144	8.19 208	9.13 232
KAZ127R87	14.76 375	2.09 53	0.50 12.6	8.07 205	23.31 592	11.77 299	24.21 615	8.86 225	7.24 184	8.19 208	11.02 280
KAZ157R97	17.72 450	2.82 71.7	0.40 10.2	9.84 250	27.76 705	14.72 374	27.80 706	11.02 280	9.06 230	9.96 253	12.80 325
KAZ157R107	17.72 450	2.82 71.7	0.80 20.4	9.84 250	27.76 705	16.26 413	27.80 706	11.02 280	10.04 255	9.96 253	15.04 382

Face Flange

AH	AJ	AK *	BB	BD	BF	GA	MF
0.00 0	11.81 300	9.843 250	0.20 5	13.78 350	0.87 22	1.18 30	M20 x 1.10 M20 x 28
0.00 0	11.81 300	9.843 250	0.20 5	13.78 350	0.87 22	1.18 30	M20 x 1.10 M20 x 28
-0.55 -14	13.39 340	11.417 290	0.20 5	15.75 400	1.02 26	1.10 28	M24 x 1.42 M24 x 36
-0.55 -14	13.39 340	11.417 290	0.20 5	15.75 400	1.02 26	1.10 28	M24 x 1.42 M24 x 36

*** Note: See page 33 for applicable tolerances.**

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 410.**

Model	EH	U *	UF	UY	VG	VH	Key	M
KAZ127R77	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
KAZ127R87	16.14 *410*	4.000 *100*	5.31 *135*	4.44 *106.4*	14.69 *373*	1.26 *38*	1 × 1 × 6 *28 x 16 x 180*	1-8 × 2 1/4 *M24 x 60*
KAZ157R97	19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*
KAZ157R107	19.69 *500*	4.500 *120*	6.10 *155*	4.95 *127.4*	18.11 *460*	1.26 *36*	1 × 1 × 6 *32 x 18 x 200*	1-8 × 2 1/4 *M24 x 60*

*** Note: See page 33 for applicable tolerances.**

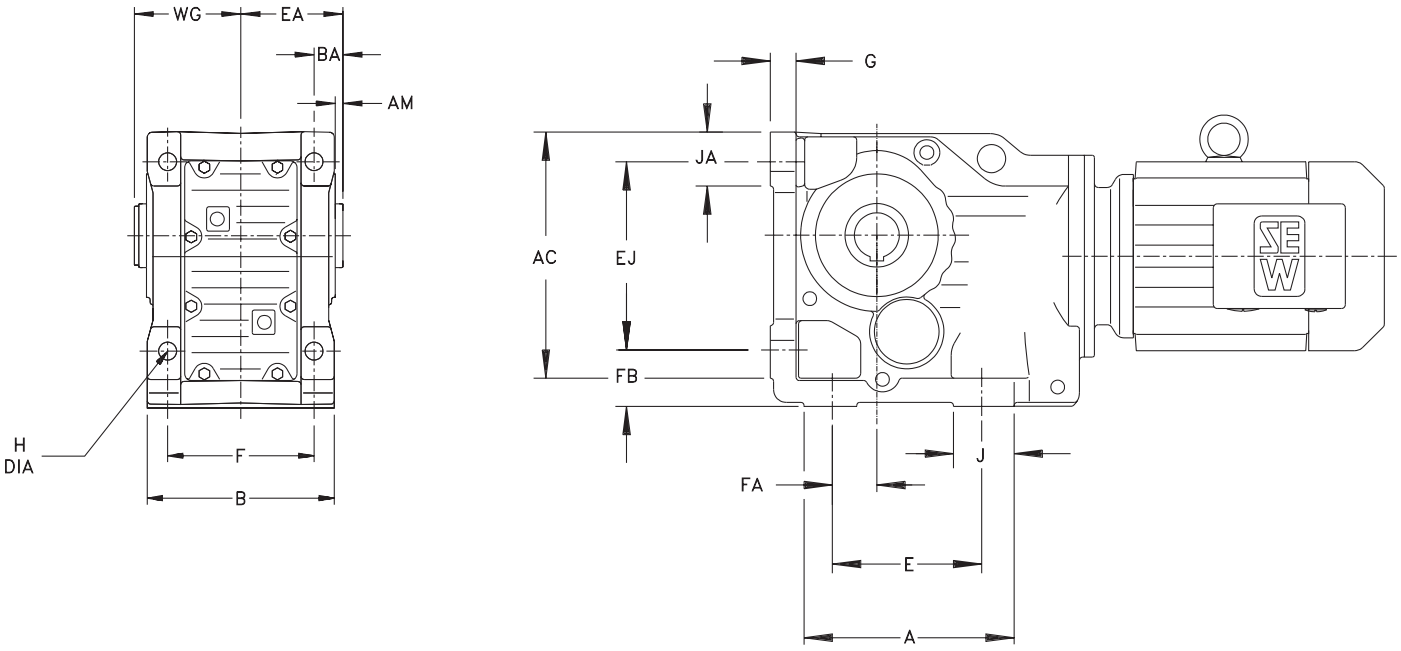
Motor

Model		DT				DV								
		71	80	90	100	112M	132S	132M	132ML	160M	160L	180	200	225
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300	11.97 304
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394	15.51 394
KAZ127R77	**C**	40.94 1040	42.91 1090	43.62 1108	45.59 1158	47.01 1194	48.78 1239	49.57 1259	51.93 1319	51.93 1319	— —	— —	— —	— —
KAZ127R87	**C**	— —	44.61 1133	45.35 1152	47.32 1202	48.70 1237	50.47 1282	51.26 1302	53.62 1362	53.62 1362	55.51 1410	58.31 1481	— —	— —
KAZ157R97	**C**	— —	49.69 1262	50.47 1282	52.48 1333	53.86 1368	55.63 1413	56.42 1433	58.78 1493	58.78 1493	60.67 1541	63.50 1613	65.35 1660	— —
KAZ157R107	**C**	— —	— —	— —	54.45 1383	55.87 1419	57.64 1464	58.43 1484	60.79 1544	60.79 1544	62.68 1592	65.51 1664	67.36 1711	70.59 1793

Dimensions are inch / mm

See page 409 for available output shaft sizes.

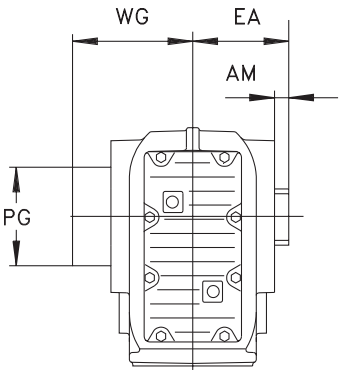
Dimensions
Type KA..BDT/DV.. - Shaft Mounted with Feet



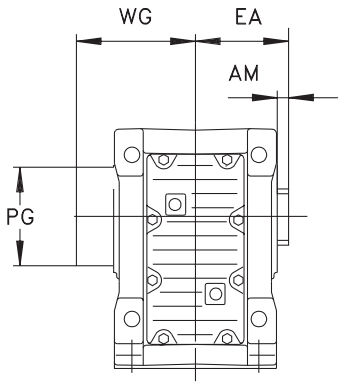
Dimensions are inch / mm

Model	A	AC	AM	B	BA	E	EA	EJ	F	FA	FB	G	H	J	JA	WG
KA47BDT..	6.38	6.69	0.10	5.71	0.59	5.12	2.95	5.12	4.72	1.38	1.46	0.71	0.43	1.38	1.46	3.07
	162	170	2.5	145	15	130	75	130	120	35	37	18	11	35	37	78
KA57BDT/DV..	6.77	7.48	0.12	6.18	0.71	5.12	3.27	5.91	5.12	1.18	1.77	0.83	0.53	1.57	1.69	3.39
	172	190	3	157	18	130	83	150	130	30	45	21	13.5	40	43	86
KA67BDT/DV..	6.69	7.99	0.14	6.69	0.79	4.72	3.54	6.30	5.51	1.18	1.77	0.94	0.53	2.17	1.69	3.66
	170	203	3.5	170	20	120	90	160	140	30	45	24	13.5	55	43	93
KA77BDT/DV..	8.19	10.35	0.16	7.87	0.89	5.91	4.13	7.87	6.50	1.57	2.17	1.06	0.69	2.17	2.17	4.25
	208	263	4	200	22.5	150	105	200	165	40	55	27	17.5	55	55	108
KA87BDT/DV..	10.24	12.01	0.16	9.06	1.18	7.09	4.72	9.17	7.09	2.17	2.76	1.26	0.87	2.95	2.64	4.84
	260	305	4	230	30	180	120	233	180	55	70	32	22	75	67	123
KA97BDT/DV..	11.57	14.65	0.16	11.42	1.18	9.45	5.91	11.61	9.45	2.95	2.95	1.42	1.02	2.36	3.23	6.02
	294	372	4	290	30	240	150	295	240	75	75	36	26	60	82	153
KA107BDT/DV..	14.96	17.64	0.10	13.39	1.57	11.02	6.89	14.17	10.63	3.74	3.74	1.57	1.30	3.94	3.86	7.01
	380	448	2.5	340	40	280	175	360	270	95	95	40	33	100	98	178
KA127BDV..	17.32	20.71	0.10	15.75	1.57	13.78	8.07	16.54	12.99	4.53	4.33	1.77	1.54	3.94	4.37	8.19
	440	526	2.5	400	40	350	205	420	330	115	110	45	39	100	111	208
KA157BDV..	18.90	24.96	—	19.69	1.57	14.96	9.84	19.69	16.54	5.51	5.12	1.97	1.54	3.94	5.12	9.96
	480	634	—	500	40	380	250	500	420	140	130	50	39	100	130	253

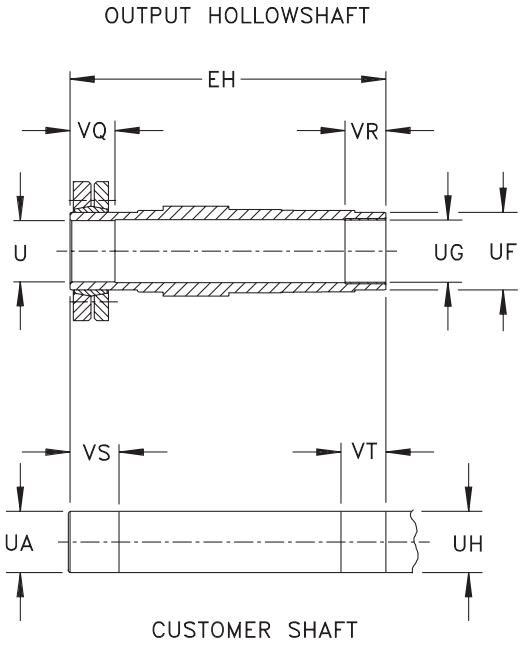
Consult appropriate gearmotor dimension page for additional dimension of the speed reducer.



KH37 – KH107



KH127 – KH157



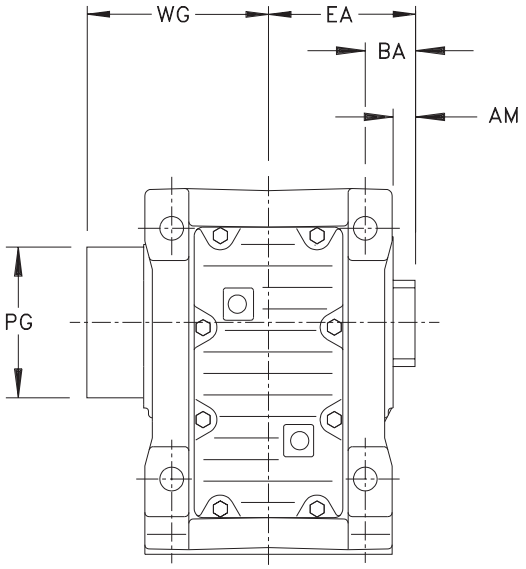
Dimensions are inch / mm

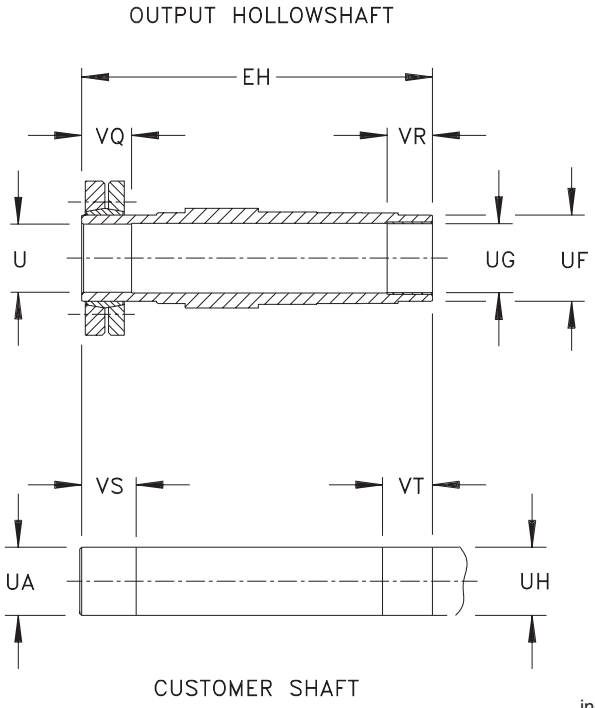
Model	AM	EA	PG	WG	Shrink Disc EH	U[1]	UA[1]	UF	UG[1]	UH[1]	VR	VQ	VS	VT	M_a[2]
KH37DT..	0.10	2.36	3.07	3.74	5.75	—	—	1.77	—	—	0.79	1.22	1.42	0.98	5130
	2.5	60	78	95	146	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	45	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	20	31	36	25	
KH47DT..	0.12	2.95	3.46	4.39	6.97	—	—	1.97	—	—	0.79	1.26	1.46	0.98	8410
	3	75	88	111.5	177	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	50	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	20	32	37	25	
KH57DT/DV..	0.12	3.27	3.94	5.08	7.68	—	—	2.17	—	—	0.79	1.02	1.22	0.98	14600
	3	83	100	129	195	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	26	31	25	
KH67DT/DV..	0.14	3.54	3.94	5.08	8.19	—	—	2.17	—	—	0.79	1.50	1.69	0.98	14600
	3.5	90	100	129	208	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	38	43	25	
KH77DT/DV..	0.16	4.13	4.76	5.79	9.49	—	—	2.76	—	—	1.18	1.42	1.61	1.38	28300
	4	105	121	147	241	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	70	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	30	36	41	35	
KH87DT/DV..	0.16	4.72	6.46	6.77	11.06	—	—	3.35	—	—	1.57	1.61	1.81	1.77	53100
	4	120	164	172	281	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	85	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	40	41	46	45	
KH97DT/DV..	0.16	5.91	7.28	8.29	13.58	—	—	3.74	—	—	1.97	2.17	2.36	2.17	79700
	4	150	185	210.5	345	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	95	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	50	55	60	55	
KH107DT/DV..	0.10	6.89	7.87	9.65	15.94	—	—	4.65	—	—	2.36	2.56	2.95	2.76	132800
	2.5	175	200	245	405	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	118	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	60	65	75	70	
KH127DV..	0.10	8.07	9.17	11.65	19.09	—	—	5.31	—	—	2.76	3.35	3.74	3.15	241600
	2.5	205	233	296	485	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	135	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	70	85	95	80	
KH157DV..	0.00	9.84	12.40	14.57	22.83	—	—	6.10	—	—	3.15	3.54	3.94	3.54	395900
	0	250	315	370	580	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	155	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	80	90	100	90	

Consult appropriate gearmotor dimension page for additional dimension of the speed reducer.

[1] Previous KA../S gear units (i.e. KA66) had different values
[2] Maximum transmissible torque, in lb-in, of the shrink disc

Dimensions
Type KH..BDT/DV.. - Shrink Disc Mounted with Feet



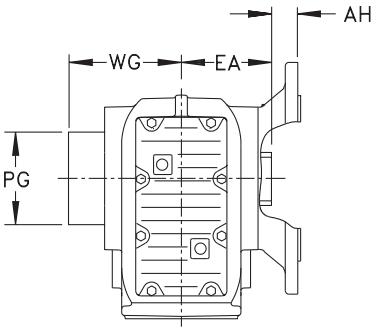


Dimensions are inch / mm

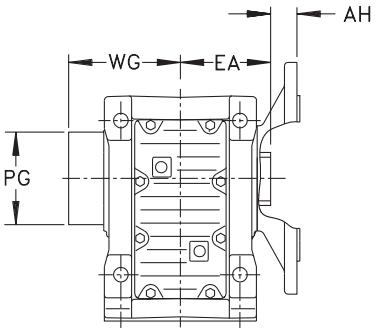
Model	AM	BA	EA	PG	WG	Shrink Disc EH	U[1]	UA[1]	UF	UG[1]	UH[1]	VR	VQ	VS	VT	M_a[2]
KH47BDT..	0.10	0.59	2.95	3.46	4.39	6.97	—	—	1.97	—	—	0.79	1.26	1.46	0.98	8410
	2.5	15	75	88	111.5	177	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	50	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	20	32	37	25	
KH57BDT/DV..	0.12	0.71	3.27	3.94	5.08	7.68	—	—	2.17	—	—	0.79	1.02	1.22	0.98	14600
	3	18	83	100	129	195	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	26	31	25	
KH67BDT/DV..	0.14	0.79	3.54	3.94	5.08	8.19	—	—	2.17	—	—	0.79	1.50	1.69	0.98	14600
	3.5	20	90	100	129	208	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	38	43	25	
KH77BDT/DV..	0.16	0.89	4.13	4.76	5.79	9.49	—	—	2.76	—	—	1.18	1.42	1.61	1.38	28300
	4	22.5	105	121	147	241	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	70	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	30	36	41	35	
KH87BDT/DV..	0.16	1.18	4.72	6.46	6.77	11.06	—	—	3.35	—	—	1.57	1.61	1.81	1.77	53100
	4	30	120	164	172	281	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	85	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	40	41	46	45	
KH97BDT/DV..	0.16	1.18	5.91	7.28	8.29	13.58	—	—	3.74	—	—	1.97	2.17	2.36	2.17	79700
	4	30	150	185	210.5	345	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	95	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	50	55	60	55	
KH107BDT/DV..	0.10	1.57	6.89	7.87	9.65	15.94	—	—	4.65	—	—	2.36	2.56	2.95	2.76	132800
	2.5	40	175	200	245	405	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	118	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	60	65	75	70	
KH127BDV..	0.10	1.57	8.07	9.17	11.65	19.09	—	—	5.31	—	—	2.76	3.35	3.74	3.15	241600
	2.5	40	205	233	296	485	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	135	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	70	85	95	80	
KH157BDV..	0.00	1.57	9.84	12.40	14.57	22.83	—	—	6.10	—	—	3.15	3.54	3.94	3.54	395900
	0	40	250	315	370	580	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	155	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	80	90	100	90	

Consult appropriate gearmotor dimension page for additional dimension of the speed reducer.

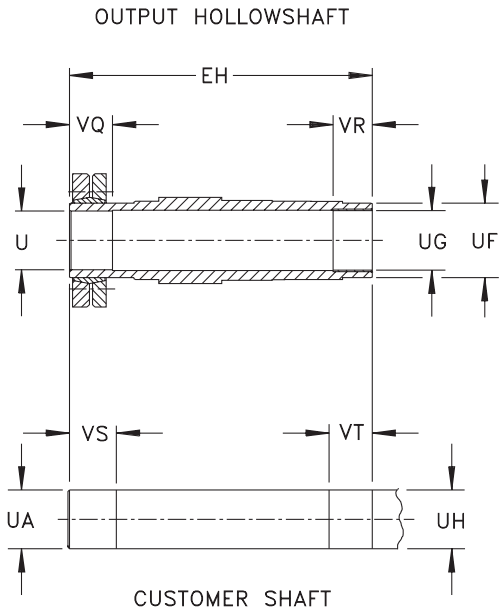
[1] Previous KA../S gear units (i.e. KA66) had different values
[2] Maximum transmissible torque, in lb-in, of the shrink disc



KHF37 – KHF107



KHF127 – KHF157



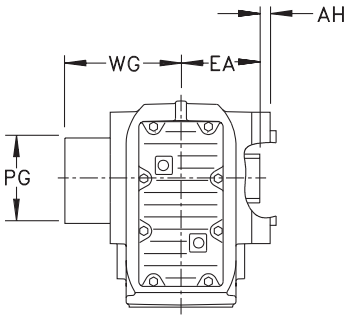
Dimensions are inch / mm

Model	AH	EA	PG	WG	Shrink Disc EH	U[1]	UA[1]	UF	UG[1]	UH[1]	VR	VQ	VS	VT	M_a[2]
KHF37DT..	0.94	2.36	3.07	3.74	5.75	—	—	1.77	—	—	0.79	1.22	1.42	0.98	5130
	24	60	78	95	146	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	45	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	20	31	36	25	
KHF47DT..	0.98	2.95	3.46	4.39	6.97	—	—	1.97	—	—	0.79	1.26	1.46	0.98	8410
	25	75	88	111.5	177	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	50	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	20	32	37	25	
KHF57DT/DV..	0.93	3.27	3.94	5.08	7.68	—	—	2.17	—	—	0.79	1.02	1.22	0.98	14600
	23.5	83	100	129	195	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	26	31	25	
KHF67DT/DV..	0.91	3.54	3.94	5.08	8.19	—	—	2.17	—	—	0.79	1.50	1.69	0.98	14600
	23	90	100	129	208	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	38	43	25	
KHF77DT/DV..	1.46	4.13	4.76	5.79	9.49	—	—	2.76	—	—	1.18	1.42	1.61	1.38	28300
	37	105	121	147	241	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	70	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	30	36	41	35	
KHF87DT/DV..	1.18	4.72	6.46	6.77	11.06	—	—	3.35	—	—	1.57	1.61	1.81	1.77	53100
	30	120	164	172	281	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	85	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	40	41	46	45	
KHF97DT/DV..	1.63	5.91	7.28	8.29	13.58	—	—	3.74	—	—	1.97	2.17	2.36	2.17	79700
	41.5	150	185	210.5	345	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	95	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	50	55	60	55	
KHF107DT/DV..	1.61	6.89	7.87	9.65	15.94	—	—	4.65	—	—	2.36	2.56	2.95	2.76	132800
	41	175	200	245	405	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	118	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	60	65	75	70	
KHF127DV..	2.01	8.07	9.17	11.65	19.09	—	—	5.31	—	—	2.76	3.35	3.74	3.15	241600
	51	205	233	296	485	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	135	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	70	85	95	80	
KHF157DV..	2.36	9.84	12.40	14.57	22.83	—	—	6.10	—	—	3.15	3.54	3.94	3.54	395900
	60	250	315	370	580	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	155	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	80	90	100	90	

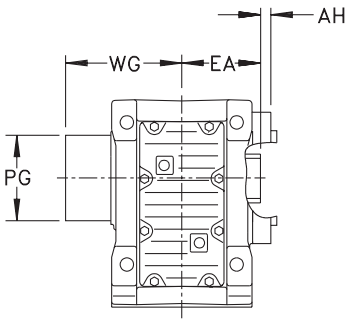
Consult appropriate gearmotor dimension page for additional dimension of the speed reducer.

[1] Previous KAF../S gear units (i.e. KA66) had different values
[2] Maximum transmissible torque, in lb-in, of the shrink disc

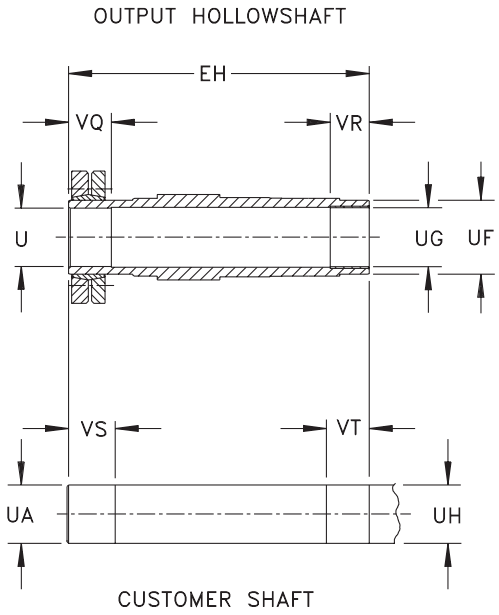
Dimensions
Type KHZ..DT/DV.. - Face Mounted with Shrink Disc



KHZ37 – KHZ107



KHZ127 – KHZ157



Dimensions are inch / mm

Model	AH	EA	PG	WG	Shrink Disc EH	U	UA	UF	UG	UH	VR	VQ	VS	VT	M_a [1]
KHZ37DT..	0.35	2.36	3.07	3.74	5.75	—	—	1.77	—	—	0.79	1.22	1.42	0.98	5130
	9	60	78	95	146	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	45	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	20	31	36	25	
KHZ47DT..	0.31	2.95	3.46	4.39	6.97	—	—	1.97	—	—	0.79	1.26	1.46	0.98	8410
	8	75	88	111.5	177	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	50	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	20	32	37	25	
KHZ57DT/DV..	0.35	3.27	3.94	5.08	7.68	—	—	2.17	—	—	0.79	1.02	1.22	0.98	14600
	9	83	100	129	195	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	26	31	25	
KHZ67DT/DV..	0.33	3.54	3.94	5.08	8.19	—	—	2.17	—	—	0.79	1.50	1.69	0.98	14600
	8.5	90	100	129	208	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	55	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	38	43	25	
KHZ77DT/DV..	0.39	4.13	4.76	5.79	9.49	—	—	2.76	—	—	1.18	1.42	1.61	1.38	28300
	10	105	121	147	241	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	70	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	30	36	41	35	
KHZ87DT/DV..	0.43	4.72	6.46	6.77	11.06	—	—	3.35	—	—	1.57	1.61	1.81	1.77	53100
	11	120	164	172	281	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	85	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	40	41	46	45	
KHZ97DT/DV..	0.55	5.91	7.28	8.29	13.58	—	—	3.74	—	—	1.97	2.17	2.36	2.17	79700
	14	150	185	210.5	345	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	95	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	50	55	60	55	
KHZ107DT/DV..	-0.29	6.89	7.87	9.65	15.94	—	—	4.65	—	—	2.36	2.56	2.95	2.76	132800
	-8	175	200	245	405	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	118	$95\ ^{+.035}_{0}$	$95\ ^{0}_{-.022}$	60	65	75	70	
KHZ127DV..	0.00	8.07	9.17	11.65	19.09	—	—	5.31	—	—	2.76	3.35	3.74	3.15	241600
	0	205	233	296	485	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	135	$105\ ^{+.035}_{0}$	$105\ ^{0}_{-.022}$	70	85	95	80	
KHZ157DV..	-0.55	9.84	12.40	14.57	22.83	—	—	6.10	—	—	3.15	3.54	3.94	3.54	395900
	-14	250	315	370	580	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	155	$125\ ^{+.040}_{0}$	$125\ ^{0}_{-.025}$	80	90	100	90	

Consult appropriate gearmotor dimension page for additional dimension of the speed reducer.
[1] Maximum transmissible torque, in lb-in, of the shrink disc

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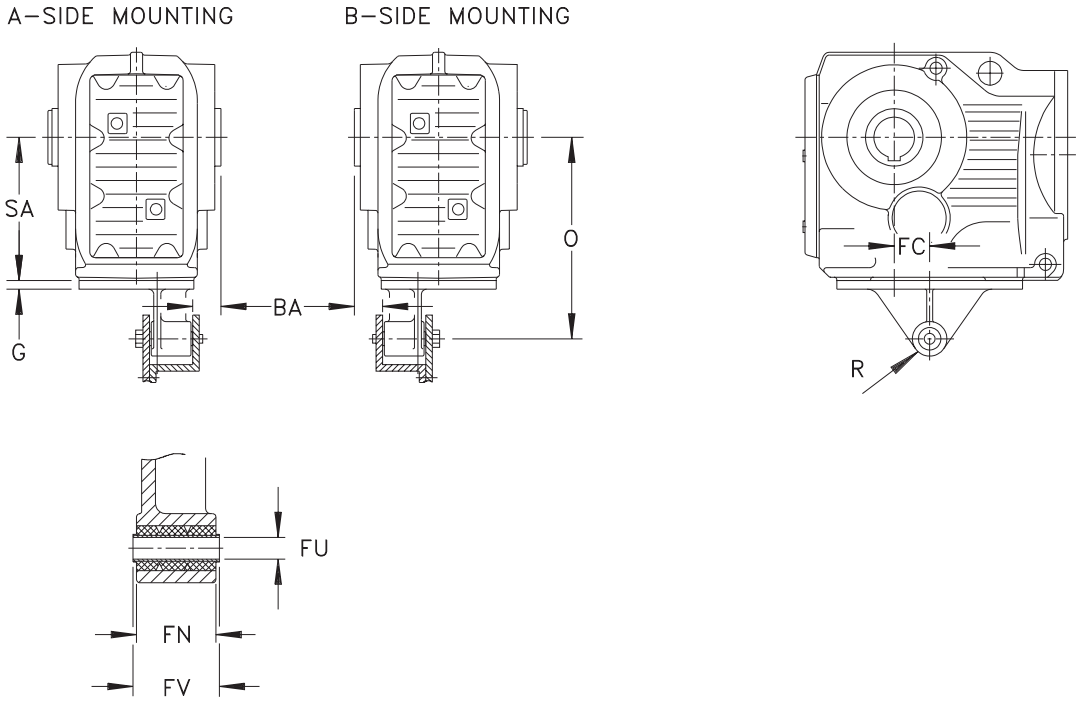
Technical Data
Torque Arm Arrangement

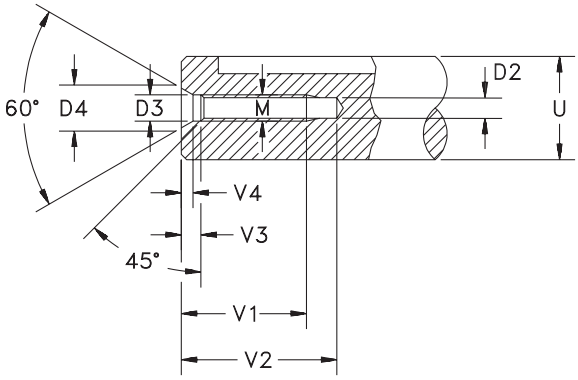


Dimensions are inch / mm

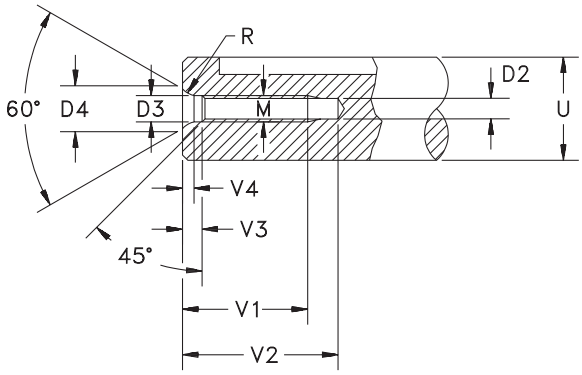
Model	BA	FC	G	O	R	SA	FN	FU	FV[1]	Part Number	Retaining Bolts[2]
KA37T..	0.79 20	0.93 23.5	0.39 10	5.51 140	0.89 22.5	3.94 100	1.22 31	0.41 $^{+.004}_{-.004}$ 10.4 $^{+0.1}_{-0.1}$	1.42 36	643 425 8	4 x M10 x 25-8.8
KA47T..	0.79 20	1.18 30	0.47 12	6.30 160	0.89 22.5	4.41 112	1.22 31	0.41 $^{+.004}_{-.004}$ 10.4 $^{+0.1}_{-0.1}$	1.42 36	643 428 2	4 x M10 x 30-8.8
KA57T..	0.71 18	1.57 40	0.51 13	7.56 192	1.14 29	5.20 132	2.13 54	0.65 $^{+.003}_{-.003}$ 16.4 $^{+0.08}_{-0.08}$	2.36 60	643 431 2	4 x M12 x 35-8.8
KA67T..	0.98 25	1.77 45	0.51 13	7.87 200	1.14 29	5.51 140	2.13 54	0.65 $^{+.003}_{-.003}$ 16.4 $^{+0.08}_{-0.08}$	2.36 60	643 431 2	4 x M12 x 35-8.8
KA77T..	0.98 25	2.07 52.5	0.55 14	9.84 250	1.14 29	7.09 180	2.13 54	0.65 $^{+.003}_{-.003}$ 16.4 $^{+0.08}_{-0.08}$	2.36 60	643 434 7	4 x M16 x 40-8.8
KA87T..	1.18 30	2.36 60	0.63 16	11.81 300	1.61 41	8.35 212	2.83 72	0.98 $^{+.003}_{-.003}$ 25 $^{+0.08}_{-0.08}$	3.15 80	643 437 1	4 x M16 x 45-8.8
KA97T..	1.57 40	2.76 70	0.67 17	13.78 350	1.61 41	10.43 265	3.62 92	0.98 $^{+.003}_{-.003}$ 25 $^{+0.08}_{-0.08}$	3.94 100	643 440 1	4 x M20 x 50-8.8
KA107T..	1.77 45	2.91 74	0.79 20	17.72 450	1.61 41	12.40 315	3.62 92	0.98 $^{+.003}_{-.003}$ 25 $^{+0.08}_{-0.08}$	3.94 100	643 443 6	4 x M24 x 60-8.8
KA127T..	0.28 7	2.36 60	1.77 45	21.65 550	2.76 70	14.76 375	4.33 110	1.57 $^{+.003}_{-.003}$ 40 $^{+0.08}_{-0.08}$	4.96 126	643 294 8	4 x M36 x 130-8.8 4 x ISO4032 -M36-8
KA157T..	0.08 2	1.97 50	1.77 45	27.56 700	2.76 70	17.72 450	4.33 110	1.57 $^{+.003}_{-.003}$ 40 $^{+0.08}_{-0.08}$	4.96 126	643 295 6	4 x M36 x 130-8.8 4 x ISO4032 - M36-8

[1] **Tolerance for FV is -0.012 in./-0.3mm**
[2] **ISO 4017**

Inch Shaft



Metric Shaft



Inch Shaft

Dimensions are inch

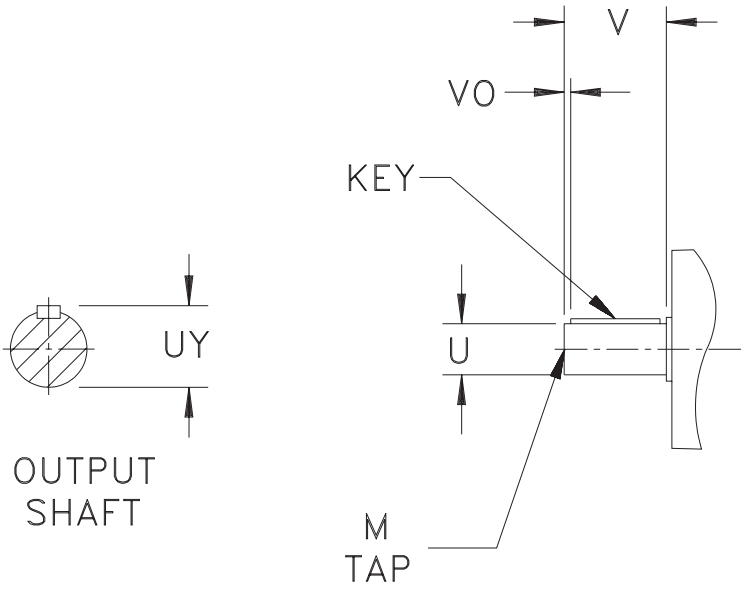
Shaft Diameter - U from	Shaft Diameter - U through[1)]	M	D2	D3	D4	V1 $^{+.079}_{-0}$	V2 min.	V3 $^{+.039}_{-0}$	V4 approximate
0	13/16	1/4 - 20	0.2086	0.256	0.374	0.630	0.787	0.197	0.102
7/8	15/16	5/16 - 18	0.2638	0.327	0.472	0.866	1.102	0.236	0.126
1	1 1/8	3/8 - 16	0.3189	0.386	0.571	0.866	1.102	0.295	0.169
1 1/4	1 3/8	1/2 - 13	0.4330	0.531	0.768	1.122	1.417	0.374	0.205
1 1/2	1 7/8	5/8 - 11	0.5433	0.654	0.984	1.378	1.772	0.472	0.283
2	3 1/4	3/4 - 10	0.6693	0.795	1.181	1.614	2.047	0.591	0.335
3 3/8	5	1 - 8	0.8858	1.016	1.457	2.126	2.756	0.709	0.394
5 1/16 and over		1 1/8 - 7	0.9844	1.181	1.638	2.441	3.307	0.787	0.394

Metric Shaft

Dimensions are mm

Shaft Diameter - U from	Shaft Diameter - U through[1)]	M	D2	D3	D4	R	V1 $^{+2}_{-0}$	V2 min.	V3	V4 approximate
7	10	M3	2.5	3.2	5.3	4.0	9.0	12.0	2.6	1.8
10	13	M4	3.3	4.3	6.7	5.0	10.0	14.0	3.2	2.1
13	16	M5	4.2	5.3	8.1	6.3	12.5	17.0	4.0	2.4
16	21	M6	5.0	6.4	9.6	8.0	16.0	21.0	5.0	2.8
21	24	M8	6.8	8.4	12.2	10.0	19.0	25.0	6.0	3.3
24	30	M10	8.5	10.5	14.9	16.0	22.0	30.0	7.5	3.8
30	38	M12	10.2	13.0	18.1	20.0	28.0	37.0	9.5	4.4
38	50	M16	14.0	17.0	23.0	25.0	36.0	45.0	12.0	5.2
50	85	M20	17.5	21.0	28.4	31.5	42.0	53.0	15.0	6.4
85	130	M24	21.0	25.0	34.2	40.0	50.0	63.0	18.0	8.0
130 and over		M30	26.5	31.0	42.6	50.0	63.0	85.0	20.0	10.0

[1)] up to and including this diameter



Inch Shafts

Dimensions are inch

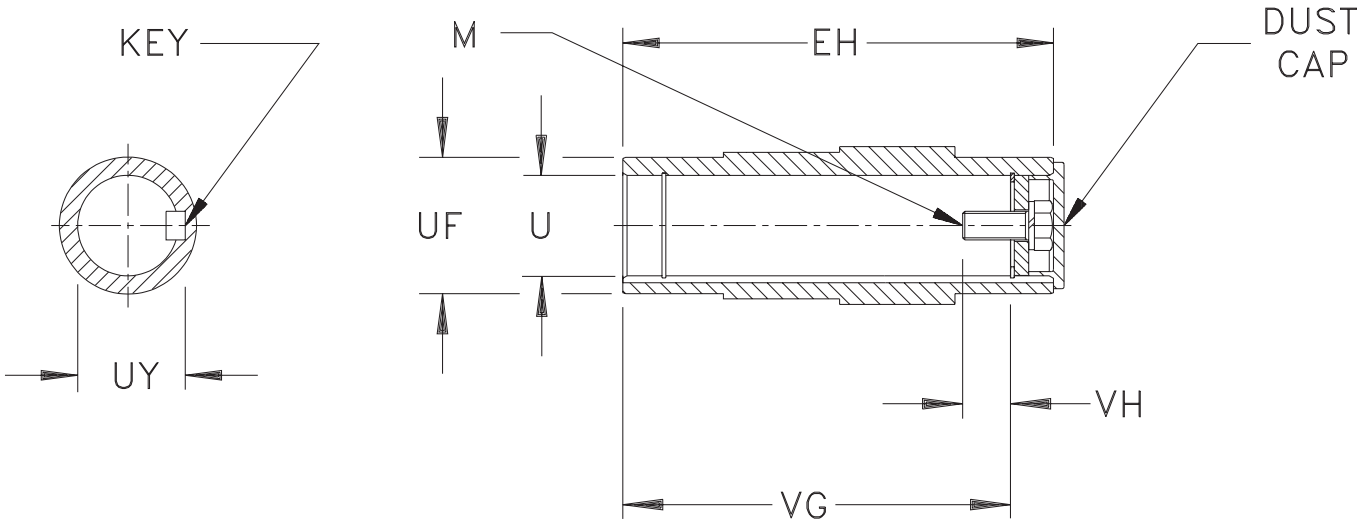
Model	U	UY	V	VO	Key	M	Change in length[2]
K/KF37	1.000 $^{0}_{-.0005}$	1.11	1.97	0.32	1/4 x 1/4 x 1 5/16	3/8 - 16 x .87	0
K/KF47	1.250 $^{0}_{-.0005}$	1.36	2.36	0.26	1/4 x 1/4 x 1 11/16	1/2 - 13 x 1.12	0
K/KF57	1.375 $^{0}_{-.0005}$	1.51	2.76	0.43	5/16 x 5/16 x 1 13/16	1/2 - 13 x 1.12	0
K/KF67	1.625 $^{0}_{-.001}$	1.79	3.15	0.38	3/8 x 3/8 x 2 1/4	5/8 - 11 x 1.38	0
	1.375[1] $^{0}_{-.0005}$	1.51	2.76	0.47	5/16 x 5/16 x 1 13/16	1/2 - 13 x 1.12	-0.39
K/KF77	2.000 $^{0}_{-.001}$	2.22	3.94	0.64	1/2 x 1/2 x 2 5/8	3/4 - 10 x 1.61	0
	1.750[1] $^{0}_{-.001}$	1.92	3.54	0.40	3/8 x 3/8 x 2 3/4	5/8 - 11 x 1.38	-0.39
K/KF87	2.375 $^{0}_{-.001}$	2.65	4.72	0.51	5/8 x 5/8 x 3 5/8	3/4 - 10 x 1.61	0
K/KF97	2.875 $^{0}_{-.001}$	3.20	5.51	0.67	3/4 x 3/4 x 4 1/8	3/4 - 10 x 1.61	0
K/KF107	3.625 $^{0}_{-.001}$	4.01	6.69	0.63	7/8 x 7/8 x 5 3/8	1 - 8 x 2.13	0
K/KF127	4.375 $^{0}_{-.001}$	4.82	8.27	1.09	1 x 1 x 6	1 - 8 x 2.13	0
K/KF157	4.750 $^{0}_{-.001}$	5.29	8.27	0.82	1 1/4 x 1 1/4 x 6 9/16	1 - 8 x 2.13	0
K167	6.260 $^{+.0016}_{-.0006}$	6.65	9.84	0.59	1 1/2 x 1 1/2 x 7 1/8	1 1/8 - 7 x 2.13	0
K187	7.500 $^{+.0018}_{-.0007}$	8.27	12.60	.039	1 3/4 x 1 3/4 x 10	1 1/8 - 7 x 2.13	0

Metric Shafts

Dimensions are mm

Model	U	UY	V	VO	Key	M	Change in length[2]
K/KF37	25 $^{+.015}_{+.002}$	28	50	5	8 x 7 x 40	M10 x 22	0
K/KF47	30 $^{+.015}_{+.002}$	33	60	3.5	8 x 7 x 50	M10 x 22	0
K/KF57	35 $^{+.018}_{+.002}$	38	70	7	10 x 8 x 56	M12 x 28	0
K/KF67	40 $^{+.018}_{+.002}$	43	80	5	12 x 8 x 70	M16 x 36	0
	35[1] $^{+.018}_{+.002}$	38	70	7	10 x 8 x 56	M12 x 28	-10
K/KF77	50 $^{+.018}_{+.002}$	53.5	100	10	14 x 9 x 80	M16 x 36	0
	45[1] $^{+.018}_{+.002}$	48.5	90	5	14 x 9 x 80	M16 x 36	-10
K/KF87	60 $^{+.030}_{+.011}$	64	120	5	18 x 11 x 110	M20 x 42	0
K/KF97	70 $^{+.030}_{+.011}$	74.5	140	7.5	20 x 12 x 125	M20 x 42	0
K/KF107	90 $^{+.035}_{+.013}$	95	170	5	25 x 14 x 160	M24 x 50	0
K/KF127	110 $^{+.035}_{+.013}$	116	210	15	28 x 16 x 180	M24 x 50	0
K/KF157	120 $^{+.035}_{+.013}$	127	210	5	32 x 18 x 200	M24 x 50	0
K167	160 $^{+.040}_{+.015}$	169	250	15	40 x 22 x 220	M30 x 63	0
K187	190 $^{+.040}_{+.015}$	200	320	10	45 x 25 x 300	M30 x 63	0

[1] Indicated shaft diameter reduces the gearbox torque rating - contact SEW-Eurodrive for details.
[2] When compared to standard shaft as shown in dimension pages.



OUTPUT HOLLOWSHAFT

Inch Shafts

Dimensions are inch

Model	EH	U	UF	UY	VG	VH	Key	M
KA/KAF/KAZ37	4.72	1.250 $^{+.001}_{-0}$	1.77	1.37	4.13	0.67	1/4 × 1/4 x 1 11/16	7/16 - 14 x 1
KA/KAF/KAZ47	5.91	1.375 $^{+.001}_{-0}$	1.97	1.52	5.20	0.65	5/16 x 5/16 x 1 13/16	1/2 - 13 x 1
	5.91	1.250 $^{+.001}_{-0}$	1.97	1.37	5.20	0.67	1/4 x 1/4 x 1 11/16	7/16 - 14 x 1
KA/KAF/KAZ57	6.54	1.500 $^{+.001}_{-0}$	2.17	1.67	5.59	1.36	3/8 x 3/8 x 2 1/4	5/8 - 11 x 1 3/4
KA/KAF/KAZ67	7.09	1.500 $^{+.001}_{-0}$	2.17	1.67	6.14	1.36	3/8 x 3/8 x 2 1/4	5/8 - 11 x 1 3/4
	7.09	1.4375[1] $^{+.001}_{-0}$	2.17	1.61	6.14	1.36	3/8 x 3/8 x 2 1/4	5/8 - 11 x 1 3/4
KA/KAF/KAZ77	8.27	2.000 $^{+.001}_{-0}$	2.76	2.22	7.20	1.16	1/2 x 1/2 x 2 5/8	5/8 - 11 x 1 3/4
	8.27	1.9375[1] $^{+.001}_{-0}$	2.76	2.16	7.20	1.16	1/2 x 1/2 x 2 5/8	5/8 - 11 x 1 3/4
KA/KAF/KAZ87	9.45	2.375 $^{+.001}_{-0}$	3.35	2.65	8.27	1.39	5/8 x 5/8 x 3 5/8	3/4 - 10 x 2
	9.45	2.4375[1] $^{+.001}_{-0}$	3.35	2.62	8.27	1.39	5/8 x 7/16 x 3	3/4 - 10 x 2
KA/KAF/KAZ97	11.81	2.750 $^{+.001}_{-0}$	3.74	3.03	10.63	1.24	5/8 x 5/8 x 3 5/8	3/4 - 10 x 2
	11.81	2.9375[1] $^{+.001}_{-0}$	3.74	3.14	10.63	1.24	3/4 x 1/2 x 3 1/2	3/4 - 10 x 2
KA/KAF/KAZ107	13.78	3.625 $^{+.001}_{-0}$	4.65	3.89	12.32	1.24	7/8 x 5/8 x 3 1/2	3/4 - 10 x 2
	13.78	3.250 $^{+.001}_{-0}$	4.65	3.59	12.32	1.24	3/4 x 3/4 x 4 1/8	3/4 - 10 x 2
	13.78	3.4375[1] $^{+.001}_{-0}$	4.65	3.70	12.32	1.24	7/8 x 5/8 x 3 1/2	3/4 - 10 x 2
KA/KAF/KAZ127	16.14	4.000 $^{+.001}_{-0}$	5.31	4.44	14.69	1.26	1 x 1 x 6	1 - 8 x 2 1/4
KA/KAF/KAZ157	19.69	4.500 $^{+.001}_{-0}$	6.10	4.95	18.11	1.26	1 x 1 x 6	1 - 8 x 2 1/4

[1] INX shaft options incur an additional charge.

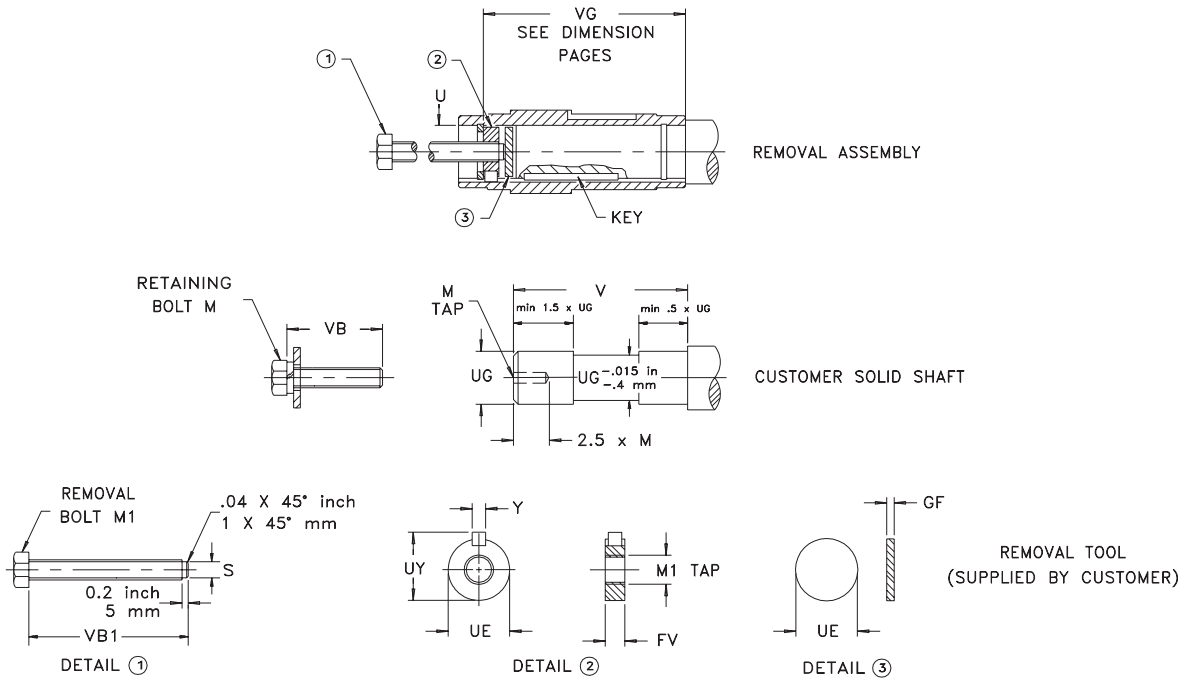
Metric Shafts

Dimensions are mm

Model	EH	U	UF	UY	VG	VH	Key	M
KA/KAF/KAZ37	120	30 $^{+.021}_{-0}$	45	33.3	105	17	8 x 7 x 40	M10 x 25
KA/KAF/KAZ47	150	35 $^{+.025}_{-0}$	50	38.3	132	22	10 x 8 x 45	M12 x 30
	150	30 $^{+.025}_{-0}$	50	33.3	132	16	8 x 7 x 40	M10 x 25
KA/KAF/KAZ57	166	40 $^{+.025}_{-0}$	55	43.3	142	29	12 x 8 x 50	M16 x 40
KA/KAF/KAZ67	180	40 $^{+.025}_{-0}$	55	43.3	156	29	12 x 8 x 50	M16 x 40
KA/KAF/KAZ77	210	50 $^{+.025}_{-0}$	70	53.8	183	32	14 x 9 x 80	M16 x 45
KA/KAF/KAZ87	240	60 $^{+.030}_{-0}$	85	64.4	210	36	18 x 11 x 100	M20 x 50
KA/KAF/KAZ97	300	70 $^{+.030}_{-0}$	95	74.9	270	34	20 x 12 x 110	M20 x 50
KA/KAF/KAZ107	350	90 $^{+.035}_{-0}$	118	95.4	313	40	25 x 14 x 160	M24 x 60
	350	80 $^{+.030}_{-0}$	118	85.4	313	30	22 x 14 x 125	M20 x 50
KA/KAF/KAZ127	410	100 $^{+.035}_{-0}$	135	106.4	373	38	28 x 16 x 180	M24 x 60
KA/KAF/KAZ157	500	120 $^{+.035}_{-0}$	155	127.4	460	36	32 x 18 x 200	M24 x 60

Recommended Design for Customer Solid Shaft & Assembly/Disassembly Tool

When using conventional tools to remove a shaft mounted gear unit, the dismantling forces are exerted via the reducer housing and bearings and may damage the machine's drive shaft or the gear unit. To simplify the removal from the machine's drive shaft, a tool can be made as shown. A round, keyed nut (2) is inserted into the free space between the end of the machine drive shaft and the snapring in the gear unit's hollowshaft. A removal bolt (1) is screwed into the nut and presses a disc (3) against the end face of the machine drive shaft, forcing the machine drive shaft out of the hollowshaft. Please note the securing bolt normally supplied with the gear unit's hollowshaft must be replaced with a bolt as shown and the customer solid shaft should be manufactured in accordance with the dimensions shown here.



INCH Bore Hollowshaft

All dimensions are inch

Model	FV	GF	M	M1	S	U	UE –.01	UG*	UY Max.	V	VB	VB1	Y Max.
KA/KAF/KAZ37	.58	.20	7/16–14	5/8–18	.50	1.250	1.245	1.250	1.35	3.23	2.00	6.00	.250
KA/KAF/KAZ47	.59	.20	7/16–14	5/8–18	.50	1.250	1.245	1.250	1.35	4.29	2.00	6.00	.250
	.59	.20	1/2–13	5/8–18	.50	1.375	1.370	1.375	1.50	4.29	2.00	6.00	.3125
KA/KAF/KAZ57	.79	.20	5/8–11	1–14	.81	1.500	1.495	1.500	1.65	4.45	2.75	7.00	.375
KA/KAF/KAZ67	.79	.20	5/8–11	1–14	.81	1.4375	1.433	1.4375	1.59	5.00	2.75	7.00	.375
	.79	.20	5/8–11	1–14	.81	1.500	1.495	1.500	1.65	5.00	2.75	7.00	.375
KA/KAF/KAZ77	.79	.20	5/8–11	1–14	.81	1.9375	1.933	1.9375	2.14	6.06	2.75	7.00	.500
	.79	.20	5/8–11	1–14	.81	2.000	1.995	2.000	2.20	6.06	2.75	8.50	.500
KA/KAF/KAZ87	.94	.31	3/4–10	1 1/4–12	1.00	2.375	2.370	2.375	2.63	6.85	3.50	10.00	.625
	.94	.31	3/4–10	1 1/4–12	1.00	2.4375	2.433	2.438	2.60	6.85	3.50	10.00	.625
KA/KAF/KAZ97	.94	.31	3/4–10	1 1/4–12	1.00	2.750	2.745	2.750	3.01	9.21	3.50	12.50	.625
	.94	.31	3/4–10	1 1/4–12	1.00	2.9375	2.933	2.938	3.12	9.21	3.50	12.50	.750
KA/KAF/KAZ107	.94	.31	3/4–10	1 1/4–12	1.00	3.250	3.245	3.250	3.57	10.98	4.00	14.00	.750
	.94	.31	3/4–10	1 1/4–12	1.00	3.4375	3.433	3.438	3.68	10.98	4.00	14.00	.875
	.94	.31	3/4–10	1 1/4–12	1.00	3.625	3.620	3.625	3.87	10.98	4.00	14.00	.875
KA/KAF/KAZ127	1.15	.31	1–8	1 1/2–12	1.23	4.000	3.995	4.000	4.42	12.87	4.00	16.50	1.000
KA/KAF/KAZ157	1.15	.31	1–8	1 1/2–12	1.23	4.500	4.495	4.00	4.93	16.38	4.25	20.0	1.000

Hollowshafts are bored to the tolerances shown for **U** in the dimension pages. An appropriate dimensional tolerance should be chosen from the table below for the machine shaft based on the nature of the load.

***Tolerance for Shaft Diameter UG**

UG	Load Class		
	I	II	III
1.1875 – 1.500	+0 –.0011	+.0004 –.0007	+.0007 –.0004
2.000 – 2.938	+0 –.0009	+.0005 –.0005	+.0008 –.0001
3.250 – 4.500	+0 –.0012	+.0005 –.0007	+.0010 –.0003

Load Class I = **Uniform Load and** $\frac{J_L}{J_M} \leq 0.2$

Load Class II = **Moderate Shock Load and** $\frac{J_L}{J_M} \leq 3.0$

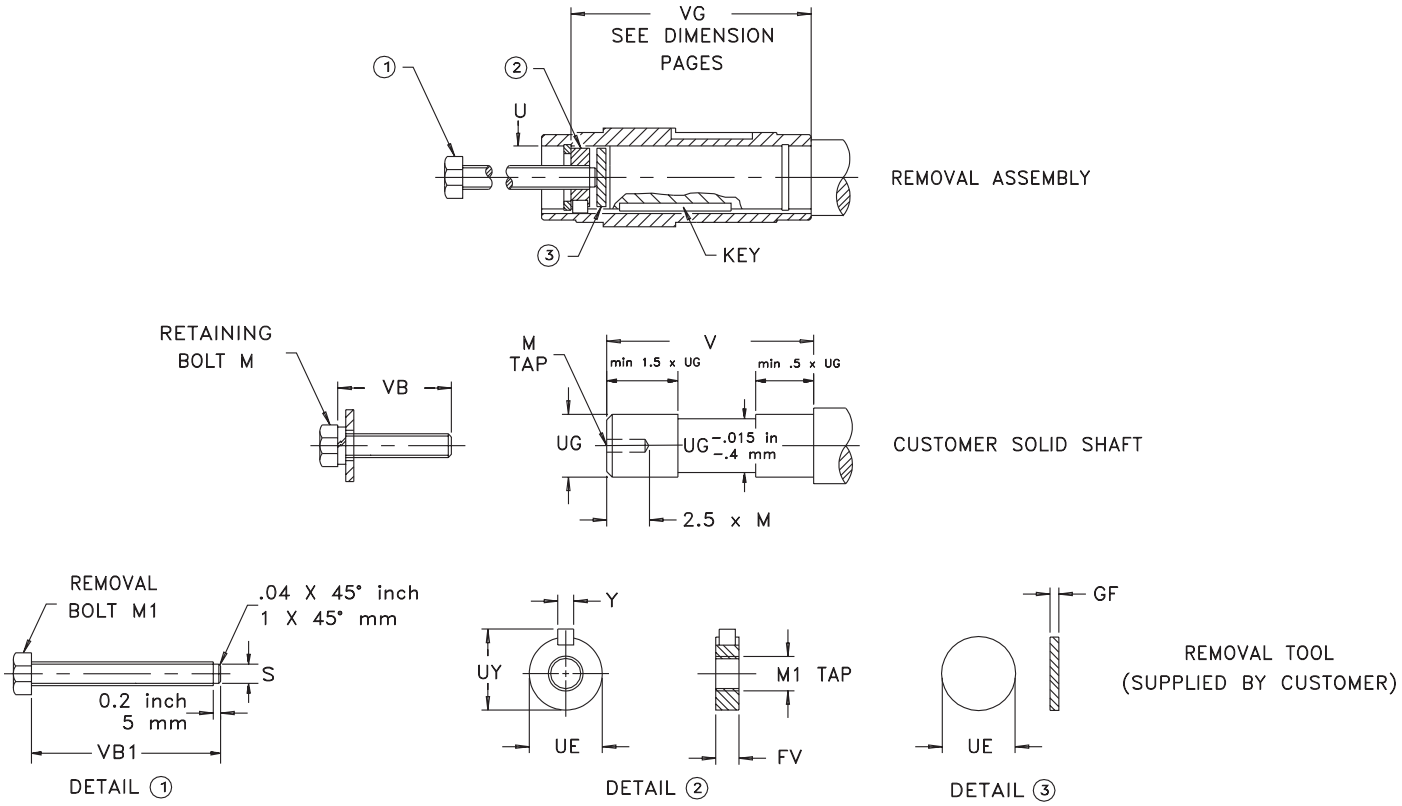
Load Class III = **Heavy Shock Load and** $\frac{J_L}{J_M} \leq 10$

J_L = **Load Inertia reflected to reducer input**

J_M = **Motor Inertia**

Recommended Design for Customer Solid Shaft & Assembly/Disassembly Tool

When using conventional tools to remove a shaft mounted gear unit, the dismantling forces are exerted via the reducer housing and bearings and may damage the machine's drive shaft or the gear unit. To simplify the removal from the machine's drive shaft, a tool can be made as shown. A round, keyed nut (2) is inserted into the free space between the end of the machine drive shaft and the snapring in the gear unit's hollowshaft. A removal bolt (1) is screwed into the nut and presses a disc (3) against the end face of the machine drive shaft, forcing the machine drive shaft out of the hollowshaft. Please note the securing bolt normally supplied with the gear unit's hollowshaft must be replaced with a bolt as shown and the customer solid shaft should be manufactured in accordance with the dimensions shown here.



METRIC Bore Hollowshaft

All dimensions are mm

Model	FV	GF	M	M1	S	U	UE –0.2	UG*	UY Max.	V	VB	VB1	Y Max.
KA/KAF/KAZ37	15	5	M10	M16 × 1	13	30	29.9	30	33	82	50	130	8
KA/KAF/KAZ47	15	5	M10	M16 × 1	13	30	29.9	30	33	109	55	160	8
	15	5	M12	M16 × 1	13	35	34.9	35	38	109	55	160	10
KA/KAF/KAZ57	20	5	M16	M24 × 1.5	20	40	39.9	40	43	113	70	190	12
KA/KAF/KAZ67	20	5	M16	M24 × 1.5	20	40	39.9	40	43	127	70	190	12
KA/KAF/KAZ77	20	5	M16	M24 × 1.5	20	50	49.9	50	53.5	154	70	220	14
KA/KAF/KAZ87	24	8	M20	M30 × 1.5	26	60	59.9	60	64	174	90	250	18
KA/KAF/KAZ97	24	8	M20	M30 × 1.5	26	70	69.9	70	74.5	234	90	320	20
KA/KAF/KAZ107	24	8	M20	M30 × 1.5	26	80	79.9	80	85	279	100	360	22
	24	8	M24	M30 × 1.5	26	90	89.9	90	95	279	100	360	25
KA/KAF/KAZ127	30	8	M24	M36 × 1.5	32	100	99.9	100	106	330	100	420	28
KA/KAF/KAZ157	30	8	M24	M36 × 1.5	32	120	119.9	120	127	416	110	500	32

Hollowshafts are bored to the tolerances shown for **U** in the dimension pages. An appropriate dimensional tolerance should be chosen from the table below for the machine shaft based on the nature of the load.

***Tolerance for Shaft Diameter UG**

UG	Load Class		
	I	II	III
20 - 30	+0 –.013	+.009 –.004	+.015 +.002
35 - 50	+0 –.016	+.011 –.005	+.018 +.002
60 - 80	+0 –.019	+.012 –.007	+.021 +.002
90 - 120	+0 –.022	+.013 –.009	+.025 +.003

Load Class I = **Uniform Load and** $\frac{J_L}{J_M} \leq 0.2$

Load Class II = **Moderate Shock Load and** $\frac{J_L}{J_M} \leq 3.0$

Load Class III = **Heavy Shock Load and** $\frac{J_L}{J_M} \leq 10$

J_L = **Load Inertia reflected to reducer input**

J_M = **Motor Inertia**

Technical Data
Weights

Listed below are weights for complete units less oil. Reducer weights less input cover are shown in the **Gear Unit** chart and combined reducer and motor weights are shown in the **Gearmotor** chart. For flanged and/or hollowshaft reducers as well as gearmotors add the flange and/or hollowshaft weight shown in the **Gear Unit** chart (a negative value must be subtracted). For brakemotors add the brake weight listed at the bottom of the **Gearmotor** chart.

Note: Oil weighs approximately 7.5 lbs/gallon (2 lb/liter). Reference Lubrication Sheet for volume of oil required. All weights in lbs.

Note: All weights listed are approximations based on the heaviest unit of the type listed.

		Add for		
Model	**Reducer**	**KF**	**KA**	**KAF**
K37	26	5	-1	3
K37R17	—	5	-1	3
K47	40	7	-2	4
K47R37	64	7	-2	4
K57	53	10	-6	8
K57R37	77	10	-6	8
K67	64	13	-5	7
K67R37	90	13	-5	7
K77	117	18	-15	1
K77R37	143	18	-15	1
K87	194	22	-26	2
K87R57	254	22	-26	2
K97	320	45	-43	12
K97R57	386	45	-43	12
K107	562	24	-64	-11
K107R77	673	24	-64	-11
K127	893	92	-64	18
K127R77	1025	92	-64	18
K127R87	1058	92	-64	18
K157	1389	176	-72	54
K157R97	1720	176	-72	54
K157R107	1808	176	-72	54
K167	2271	—	-88	—
K167R97	2580	—	-88	—
K167R107	2668	—	-88	—
K187	3550	—	-150	—
K187R97	3859	—	-150	—
K187R107	3947	—	-150	—

	DT				DV			
Model	**71**	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**
K37	40	46	60	84	—	—	—	—
K37R17	46	—	—	—	—	—	—	—
K47	55	62	77	101	—	—	—	—
K47R37	77	82	—	—	—	—	—	—
K57	66	73	90	115	130	—	—	—
K57R37	90	97	108	—	—	—	—	—
K67	79	86	101	126	141	152	—	—
K67R37	104	110	—	—	—	—	—	—
K77	135	143	157	181	194	209	254	276
K77R37	157	163	174	—	—	—	—	—
K87	—	221	232	265	276	287	331	353
K87R57	265	276	287	298	—	—	—	—
K97	—	—	364	386	408	419	463	485
K97R57	397	408	419	441	463	—	—	—
K107	—	—	—	650	662	673	717	739
K107R77	684	695	706	728	739	761	—	—
K127	—	—	—	—	—	—	1058	1080
K127R77	1036	1047	1058	1080	1091	1103	—	—
K127R87	—	—	1103	1125	1147	1147	1213	1213
K157	—	—	—	—	—	—	—	—
K157R97	—	1742	1764	1786	1786	1808	1852	1874
K157R107	—	—	—	—	—	—	—	1962
K167	—	—	—	—	—	—	—	—
K167R97	—	2602	2624	2646	2668	2668	2712	2734
K167R107	—	—	—	—	—	—	—	2844
K187	—	—	—	—	—	—	—	—
K187R97	—	3903	3903	3925	3947	3947	3991	4013
K187R107	—	—	—	—	—	—	4101	4123
Add for Brake	6	6	22	22	26	33	53	55
Add for Double Disc Brake	—	—	—	—	—	—	—	—

	DV							D				
Model	**160M**	**160L**	**180M**	**180L**	**200**	**225S**	**225M**	**250M**	**280S**	**280M**	**315S**	**315M**
K37	—	—	—	—	—	—	—	—	—	—	—	—
K37R17	—	—	—	—	—	—	—	—	—	—	—	—
K47	—	—	—	—	—	—	—	—	—	—	—	—
K47R37	—	—	—	—	—	—	—	—	—	—	—	—
K67	—	—	—	—	—	—	—	—	—	—	—	—
K67R37	—	—	—	—	—	—	—	—	—	—	—	—
K77	287	—	—	—	—	—	—	—	—	—	—	—
K77R37	—	—	—	—	—	—	—	—	—	—	—	—
K87	364	452	562	595	—	—	—	—	—	—	—	—
K87R57	—	—	—	—	—	—	—	—	—	—	—	—
K97	496	584	695	728	849	—	—	—	—	—	—	—
K97R57	—	—	—	—	—	—	—	—	—	—	—	—
K107	750	838	948	981	1103	1213	1257	—	—	—	—	—
K107R77	—	—	—	—	—	—	—	—	—	—	—	—
K127	1091	1169	1279	1323	1433	1544	1610	1874	2183	2359	—	—
K127R77	—	—	—	—	—	—	—	—	—	—	—	—
K127R87	1235	—	—	—	—	—	—	—	—	—	—	—
K157	1610	1698	1808	1830	1940	2051	2117	2403	2690	2867	3285	3506
K157R97	1874	—	—	—	—	—	—	—	—	—	—	—
K157R107	1985	2073	2183	2205	—	—	—	—	—	—	—	—
K167	2492	2558	2668	2712	2822	2933	2999	3285	3572	3726	4145	4366
K167R97	2756	2844	—	—	—	—	—	—	—	—	—	—
K167R107	2844	2933	3043	3087	3197	3308	3374	—	—	—	—	—
K187	—	—	3947	3991	4101	4212	4278	4564	4851	5027	5424	5645
K187R97	4035	4123	4234	—	—	—	—	—	—	—	—	—
K187R107	4123	4234	4344	4366	4476	4586	4653	—	—	—	—	—
Add for Brake	55	93	90	93	112	112	115	—	—	—	—	—
Add for Double Disc Brake	—	—	99	101	121	121	123	—	—	—	—	—

Each gear unit is supplied from the factory with the correct grade and quantity of lubricant for the specified mounting position. The following lubricants are supplied from our North American Facilities. Under special circumstances such as high or low ambient temperatures optional oils should be used.

Standard Oil

USA			
Gear Units	**Type**	**Manufacturer**	**Ambient Temperature °C**
K..37 - 157 K/KH167 - 187	Mobilgear 630 [M]	Mobil Oil Corp.	0 to +40
CANADA			
K..37 - 157 K/KH167 - 187	Omala 220 [M]	Shell Oil Co.	0 to +40

[M] Mineral Oil

Optional Oil

USA			
Gear Units	**Type**	**Manufacturer**	**Ambient Temperature °C**
K..37 - 157 K/KH167 - 187	Mobilgear 629 [M]	Mobil Oil Corp.	-15 to +25
	Mobil SHC630 [S]		-40 to +40
	Mobil SHC629 [S]		-30 to +50
CANADA			
K..37 - 157 K/KH167 - 187	Omala RL220 [S]	Shell Oil Co.	-30 to +80

[M] Mineral Oil
[S] Synthetic Oil

For ball and roller bearings of gear units the following greases are recommended:

Mineral Grease

Type	Manufacturer	Ambient Temperature °C
Mobilux EP2	Mobil Oil Corp.	-20 to +40
Alvania Grease R3	Shell Oil Co.	-30 to +60

Synthetic Grease

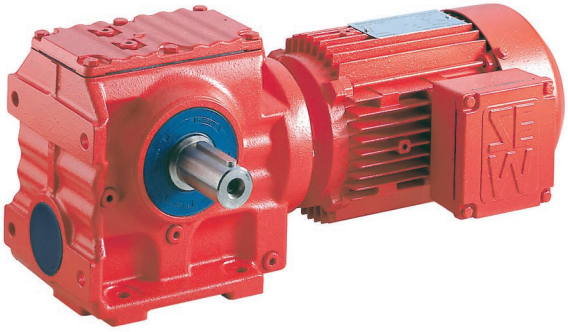
Type	Manufacturer	Ambient Temperature °C
Mobiltemp SHC 32	Mobil Oil Corp.	-45 to +60

The approximate lubricant in US **gallons and liters** per mounting position is as follows:

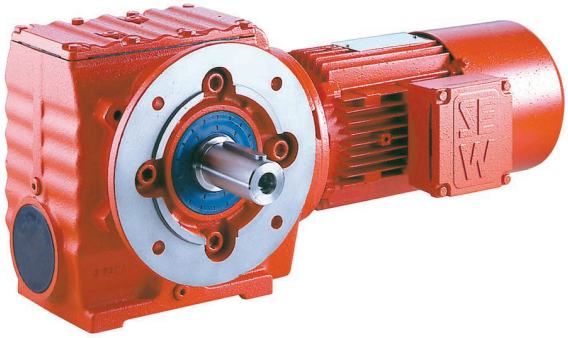
Gear Unit	Mounting Position											
	M1		M2		M3		M4		M5		M6	
	Gallons	Liters	Gallons	Liters	Gallons	Liters	Gallons	Liters	Gallons	Liters	Gallons	Liters
K37	0.13	0.5	0.26	1	0.26	1	0.34	1.3	0.26	1	0.26	1
K47	0.21	0.8	0.34	1.3	0.40	1.5	0.53	2	0.42	1.6	0.42	1.6
K57	0.32	1.2	0.61	2.3	0.66	2.5	0.79	3	0.69	2.6	0.63	2.4
K67	0.29	1.1	0.63	2.4	0.69	2.6	0.90	3.4	0.69	2.6	0.69	2.6
K77	0.58	2.2	1.08	4.1	1.16	4.4	1.56	5.9	1.11	4.2	1.16	4.4
K87	0.98	3.7	2.11	8	2.30	8.7	2.88	10.9	2.06	7.8	2.11	8
K97	1.85	7	3.70	14	4.15	15.7	5.28	20	4.15	15.7	4.10	15.5
K107	2.64	10	5.55	21	6.74	25.5	8.85	33.5	6.34	24	6.34	24
K127	5.55	21	10.96	41.5	11.62	44	14.27	54	10.57	40	10.83	41
K157	8.19	31	16.38	62	17.17	65	23.78	90	15.32	58	16.38	62
K/KH167	9.25	35	26.42	100	26.42	100	33.03	125	22.46	85	22.46	85
K/KH187	15.85	60	44.91	170	44.91	170	54.16	205	34.35	130	34.35	130
KF37	0.13	0.5	0.29	1.1	0.29	1.1	0.40	1.5	0.26	1	0.26	1
KF47	0.21	0.8	0.34	1.3	0.45	1.7	0.58	2.2	0.42	1.6	0.42	1.6
KF57	0.34	1.3	0.61	2.3	0.71	2.7	0.79	3	0.77	2.9	0.71	2.7
KF67	0.29	1.1	0.63	2.4	0.74	2.8	0.95	3.6	0.71	2.7	0.71	2.7
KF77	0.55	2.1	1.08	4.1	1.16	4.4	1.59	6	1.19	4.5	1.19	4.5
KF87	0.98	3.7	2.17	8.2	2.38	9	3.14	11.9	2.22	8.4	2.22	8.4
KF97	1.85	7	3.88	14.7	4.57	17.3	5.68	21.5	4.15	15.7	4.36	16.5
KF107	2.64	10	5.81	22	6.87	26	9.25	35	6.61	25	6.61	25
KF127	5.55	21	10.96	41.5	12.15	46	14.53	55	10.83	41	10.83	41
KF157	8.19	31	17.44	66	18.23	69	24.31	92	16.38	62	16.38	62
KA/KH/KV37 KAF/KHF/KVF37 KAZ/KHZ/KVZ37	0.13	0.5	0.26	1	0.26	1	0.37	1.4	0.26	1	0.26	1
KA/KH/KV47 KAF/KHF/KVF47 KAZ/KHZ/KVZ47	0.21	0.8	0.34	1.3	0.42	1.6	0.55	2.1	0.42	1.6	0.42	1.6
KA/KH/KV57 KAF/KHF/KVF57 KAZ/KHZ/KVZ57	0.34	1.3	0.61	2.3	0.71	2.7	0.79	3	0.77	2.9	0.71	2.7
KA/KH/KV67 KAF/KHF/KVF67 KAZ/KHZ/KVZ67	0.29	1.1	0.63	2.4	0.71	2.7	0.95	3.6	0.69	2.6	0.69	2.6
KA/KH/KV77 KAF/KHF/KVF77 KAZ/KHZ/KVZ77	0.55	2.1	1.08	4.1	1.22	4.6	1.59	6	1.16	4.4	1.16	4.4
KA/KH/KV87 KAF/KHF/KVF87 KAZ/KHZ/KVZ87	0.98	3.7	2.17	8.2	2.32	8.8	2.93	11.1	2.11	8	2.11	8
KA/KH/KV97 KAF/KHF/KVF97 KAZ/KHZ/KVZ97	1.85	7	3.88	14.7	4.15	15.7	5.28	20	4.15	15.7	4.15	15.7
KA/KH/KV107 KAF/KHF/KVF107 KAZ/KHZ/KVZ107	2.64	10	5.42	20.5	6.34	24	8.45	32	6.34	24	6.34	24
KA/KH/KV127 KAF/KHF/KVF127 KAZ/KHZ/KVZ127	5.55	21	10.96	41.5	11.36	43	13.74	52	10.57	40	10.57	40
KA/KH/KV157 KAF/KHF/KVF157 KAZ/KHZ/KVZ157	8.19	31	17.44	66	17.70	67	22.99	87	16.38	62	16.38	62

For compound drives the R reducer requires its own oil filling as shown in the chart:

Gear Unit	Mounting Position					
	M1/M3/M5/M6		M2		M4	
	Gallons	Liters	Gallons	Liters	Gallons	Liters
R17	0.07	0.25	0.16	0.6	0.16	0.6
R37	0.11	0.4	0.24	0.9	0.29	1.1
R57	0.21	0.8	0.48	1.8	0.53	2
R77	0.32	1.2	1.00	3.8	1.08	4.1
R87	0.63	2.4	1.8	6.8	2.03	7.7
R97	1.35	5.1	3.14	11.9	3.70	14
R107	1.66	6.3	4.20	15.9	5.07	19.2



S..DT..DV..



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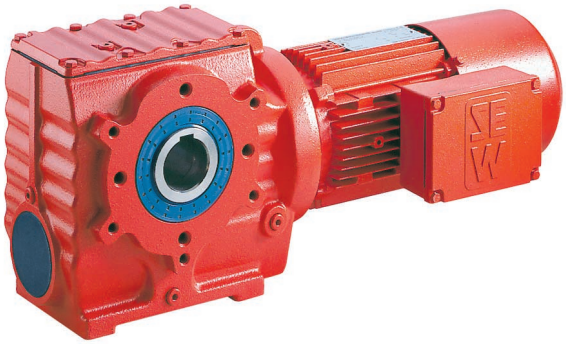
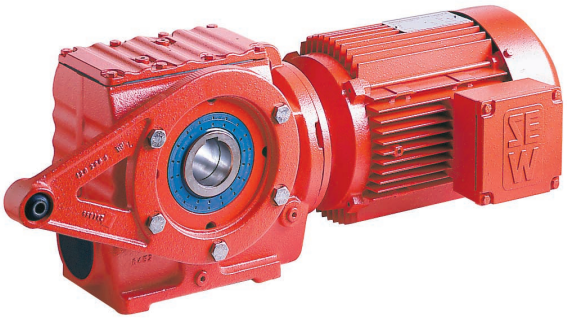


SA..DT../DV..BM(G)



SA..TDT../DV..

Introduction

The SEW-Eurodrive Helical-Worm Gear Units are designed for continuous duty under difficult operating conditions. Only materials of the highest quality are used in the manufacture of the units. These units have the following standard construction features:

- Gearcase and flanges of high strength gray cast iron SAE Class 30.
- Double seals on output shafts with additional inner seal made of Viton®.
- Captured keys on input and output shafts.
- Foot mounted, flange mounted, flange mounted with hollowshaft, or shaft mounted.

Efficiency

The efficiency of the gear units is mostly determined by the gearing and bearing friction, and ranges up to approximately 92%. However, due to the sliding friction of the worm gearing, the actual efficiency depends upon the gear ratio of the worm stage and the input speed.

Please see the tables in the current Speed Reducer Catalog for efficiencies by ratio and input speed.

The helical-worm gear units have an input helical gear stage which reduces the ratio of the worm gear stage and as a result improves the overall efficiency as compared to a gear unit with a worm gear only.

The rated efficiencies are achieved if the gear unit has been correctly run in, has achieved its nominal operating temperature, has the proper lubrication, and is operating within its torque rating.

Backdriving

With respect to torque driving back from the output shaft, the backdriving efficiency $\eta' = 2 - \frac{1}{\eta}$ is far less favorable than the forward efficiency η and may need to be taken into account.

The low backdriving efficiency may provide some braking effect in certain instances but since the actual efficiency is dependent on many factors including ambient temperature and worm speed, we request you submit full details to our engineering department if this braking effect is required.

Since the SEW-Eurodrive Helical-Worm gear units have fairly high efficiency, they can not be considered as self-locking, and should not be used if the self-locking effect is required.

Input Power, Output Torque, and Speed

The details on power, torque, and speed given in the selection tables always refer to the mounting position M1 or similar mounting position with standard features, standard ambient conditions, and standard lubricants. Depending upon ratio, increased output power ratings may be achieved through the use of special lubricants. Please consult your SEW-Eurodrive representative.

The output speeds have been rounded up or down. The actual output speed may vary slightly due to the motor frame size, the loading, or the supply voltage.

Design Variations

In addition to the versions shown in the accompanying pages, the Helical-Worm Gear Units are also available with the combination of double shaft, double flange or flange opposite shaft mount.

Additional features available for the Helical-Worm Gear units are:

- Adapters for IEC or NEMA C-Face motors.
- Motor mounting platforms and scoops.
- Adapters for torque limiting couplings.
- Corrosion protection.
- Torque arm attachment.
- Shrink disc shaft mounting.

Please contact your SEW-Eurodrive representative for additional information.

Abbreviations

The following abbreviations are used in the selection tables:

f_B	Service Factor
F_{Ra}	Permissible output overhung load (lb) at the midpoint of the output shaft extension
F_{Re}	Permissible input overhung load (lb) at the midpoint of the input shaft extension
i	Gear unit ratio
i_w	Worm gear stage ratio
η	Efficiency
n_a	Output speed in rpm
n_e	Input speed in rpm
P_a	Rated output power (Hp)
P_e	Calculated power input into the gear unit (Hp) P_e is calculated from $T_{a\ max}$ by taking into account the gear units' efficiency under standard operating conditions. For calculated P_e less than .2Hp, a dash (—) is shown in the respective selection tables since the actual values are subject to large variations.
P_n	Motor rated power (HP)
T_a	Output torque (lb-in.) with reference to the driving motor
$T_{a\ max}$	Maximum permissible output torque (lb-in.) at $f_B = 1.0$

Dimension Page Notes

The dimension sheets are valid for standard units with various basic features. In particular, motor accessories such as canopies, ventilators, etc. will alter the basic dimensions. Please refer to the respective accessory dimension pages for additional dimensions.

Motors from frame size DV112 are supplied with lifting eye bolts which can be removed. Smaller motors do not have lifting eye bolts.

Certified dimension sheets are available from your SEW-Eurodrive Assembly Center.

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Unit Selection

In order to select the most suitable gear unit it is essential that a thorough knowledge of the characteristics of the driven machine are known. The gear units are normally designed for constant torque load and only a few starts/stops. If these conditions do not exist, it is necessary to determine a service factor,

$f_{B\ TOTAL}$, where $f_{B\ TOTAL} = f_B \cdot f_{B1} \cdot f_{B2}$

- f_B Is determined by the start/stop frequency, Load Class, and the daily operating time.
- f_{B1} Is determined by the ambient temperature.
- f_{B2} Is determined by the cyclic duration factor.

f_B, f_{B1}, f_{B2} service factors are shown in the diagrams that follow.

For gearmotors, the appropriate service factor taken from the diagram is then compared with the service factor given with each speed/power combination listed in the gearmotor selection tables. To ensure a long, trouble free service life it is essential that the unit selected has a service factor equal to, or greater than, that determined from the diagram.

Load Classification

I = Uniform load. Permissible inertia acceleration factor ≤0.2

II = Moderate shock load. Permissible inertia acceleration factor ≤3.0

III = Heavy shock load. Permissible inertia acceleration factor ≤10

For inertia acceleration factor > 10, please contact your nearest SEW-Eurodrive representative.

$$\text{Inertia acceleration factor} = \frac{J_L}{J_m}$$

Where: J_L = Reflected Load Inertia
J_m = Motor Inertia

All external load inertias, J, must be reflected back to the input side of the gear unit.

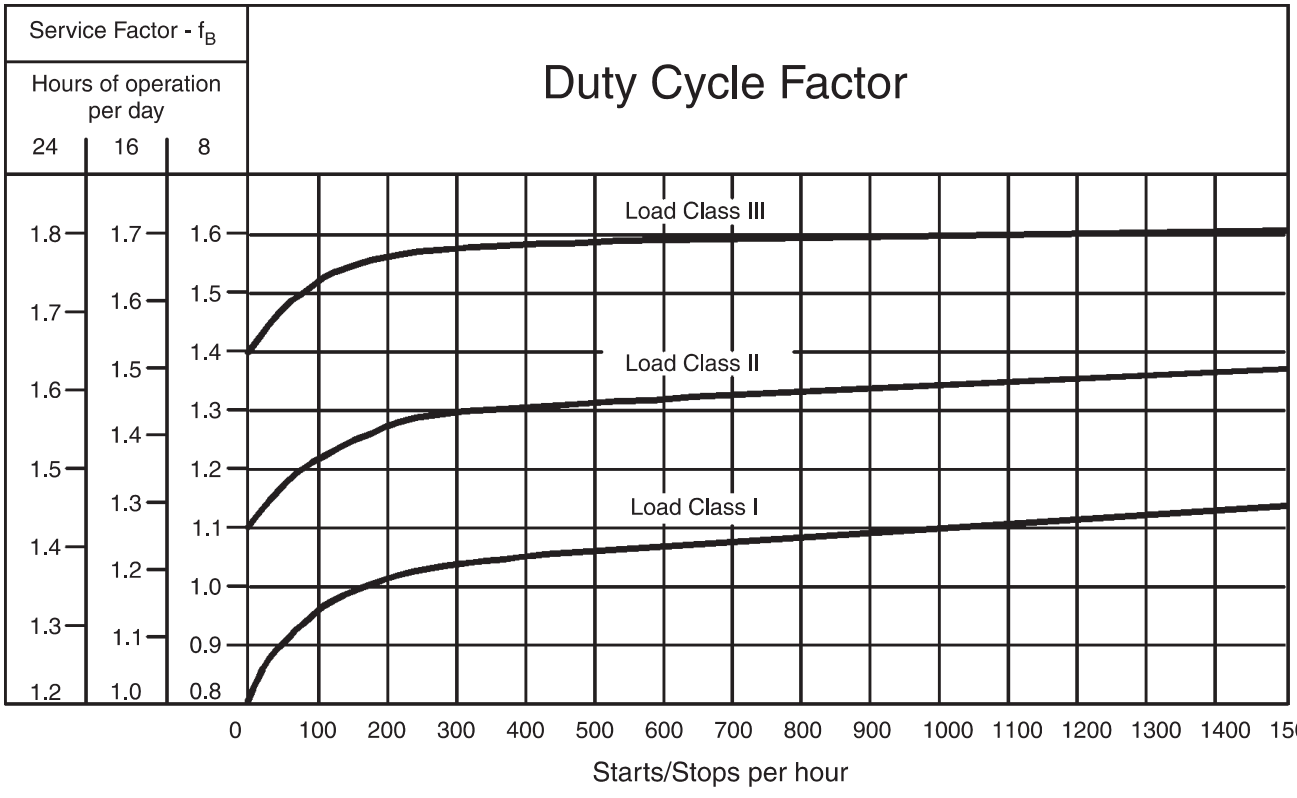
$$\text{Example: } J_L = J \times \frac{1}{(\text{Gear Ratio})^2}$$

Included in the number of starts and stops per hour must be all regenerative brake actions and the speed changes from high to low speed as experienced with multi-speed motors.

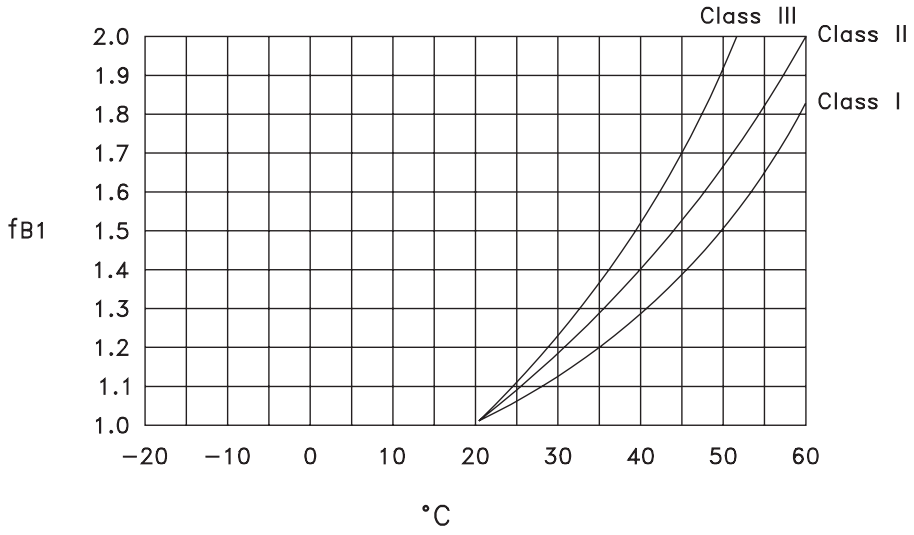
Example: Load Class I with 200 starts and stops per hour and operating time of 24 hours per day gives $f_B = 1.36$.

AGMA

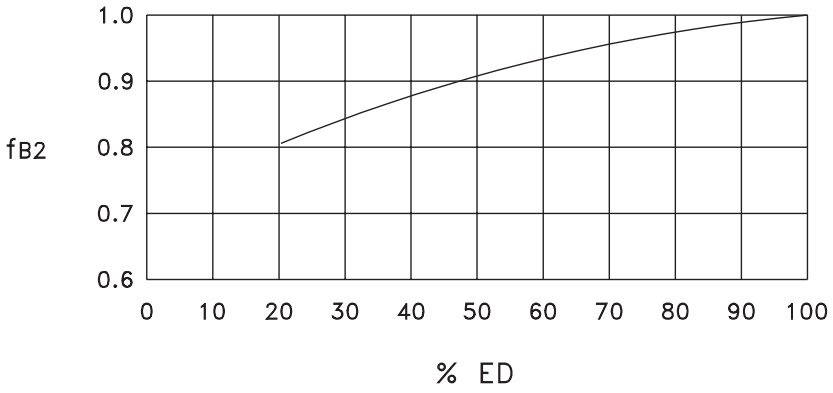
For Service Factors using AGMA criteria, please refer to the guidelines on page 35 .



Service Factor for Increased Ambient Temperatures



Service Factor for Intermittent Duty



$$\%ED = \frac{\text{Running Time in Minutes}}{\text{60 Minutes}} \times 100$$

OHL and Axial Shaft Loads

Overhung Loads, OHL, are a combination of live loads acting at right angles to the drive shaft caused by gears, sprockets, pulleys, couplings, etc., as well as dead loads applied directly on the shaft.

These overhung loads subject shaft bearings and shafts to stresses which, if exceeded, may cause premature failure of bearings and/or shaft breakage from bending fatigue.

Determination of Overhung Load - OHL

When determining the resulting overhung load, the type of transmission element mounted on the shaft end must be considered and a transmission element factor, f_z, must be included. The overhung load exerted on the output or input shafts can be calculated from the following formula. The resultant overhung load F must not exceed the permissible overhung load for the selected gear unit.

$$F = \frac{2T}{d_o} \cdot f_z$$

F = equivalent OHL in lbs.
T = load torque on the drive in lb-in.
d_o = pitch diameter of the gear, sprocket, or sheave in inches
f_z = transmission element factor

The transmission element factor, f_z, takes into account an additional radial force that is imposed on the shaft due to the type of transmission element: gear, chain sprocket, or sheave. There are gear teeth separating forces, pre-tensioning of belts, etc. that must be taken into account to determine the total equivalent radial loads. From applicational experience the following values of f_z should be used:

Transmission Element	Comments	f_z Factor
Spur or helical gears	≥ 17 teeth	1.0
	< 17 teeth	1.15
Chain sprockets	≥ 20 teeth	1.0
	< 20 teeth	1.25
	< 13 teeth	1.4
V-belt pulleys		1.75
Flat belt pulleys		2.5
Timing belt pulleys		1.3

Permissible Output Shaft Loads

The output shaft of the SEW-Eurodrive gear units are capable of accepting the axial and radial loads normally encountered by the mounting of gears, chain sprockets, belt pulleys, and shaft couplings. The permissible OHL under the most unfavorable conditions which can be applied at the midpoint of the shaft extensions for the gear unit types S and SF is shown in the respective speed/power selection tables as F_{Ra} in lbs. When the force is not applied at the midpoint of the shaft extension the F_{Ra} value must be adjusted according to the OHL conversion formulas.

It is possible in some instances for the OHL capacity to be substantially increased if the exact direction of the radial force is known. In such instances it is essential that full details be given to our engineering department to check the suitability of the unit selected.

For permissible axial and radial loads for gear unit types SA and SAF as well as for SF with output shaft projection opposite the flange and permissible axial loads for S and SF, please submit full details to our engineering department.

Output OHL Conversion

If the resultant OHL acts at a point other than at the midpoint of the output shaft extension, the permissible OHL, F_X, must be determined at the application point of the load according to the following formula:

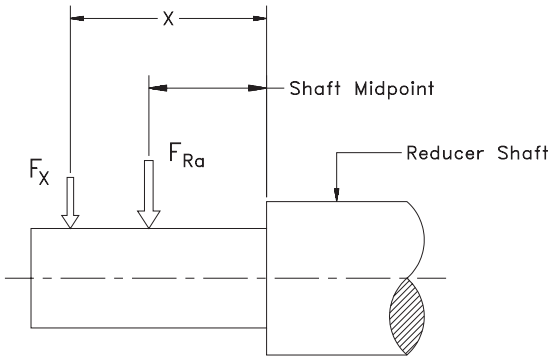
F_{Ra}-(lb.) Permissible overhung load at the midpoint of the output shaft extension—see selection tables.
X-(in.) Distance from the shoulder on the output shaft to the application point of load.
F_X-(lb.) Permissible overhung load at the point X
a-(lb-in.) Gear unit constant - see chart for values.
b,c,d-(in.) Gear unit constant - see chart for values.

The permissible OHL is the smaller of the two values obtained from the following formulae, F_{XL} and F_{XW}, and is denoted as F_X. The permissible OHL, F_X, **must be** greater than the calculated equivalent overhung load, F.

$$\text{Permissible OHL, } F_{XL} = F_{Ra} \cdot \frac{c}{d + x} \text{ (lb)}$$

$$\text{Permissible OHL based on shaft stress, } F_{XW} = \frac{a \cdot 10^3}{b + x} \text{ (lb)}$$

Note: F_{XW} applies only when reducer torque, T_a, is maximum.



Frame Size	a lb-in.	b in.	c in.	d in.
S 37	0.53	0	4.67	3.88
S 47	1.18	0	5.12	4.13
S 57	1.89	0	5.91	4.72
S 67	2.69	0	7.24	5.87
S 77	4.66	0	8.82	7.05
S 87	14.87	0	11.08	8.72
S 97	22.48	0	12.85	10.09

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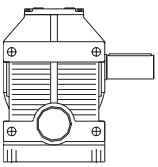
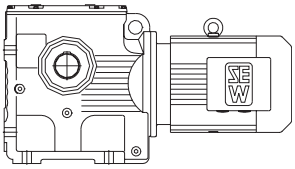
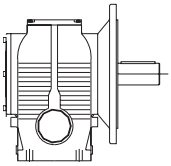
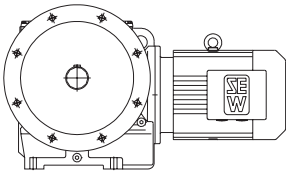




S

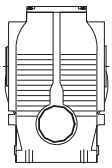
Solid shaft
Foot mount

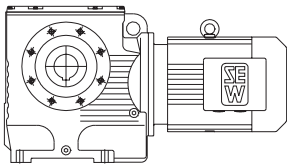




SF

Solid shaft
Flange mount (D & B5 style flange with through holes)



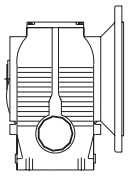


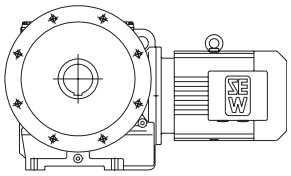
SA

Hollowshaft with key
Shaft mount

SAF

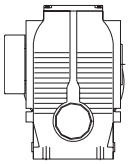
Hollowshaft with key
Flange mount (D & B5 style flange with through holes)

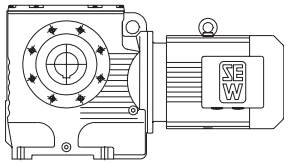




SH

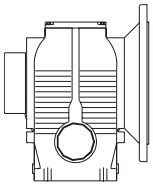
Shrink disc hollowshaft
Shaft Mount

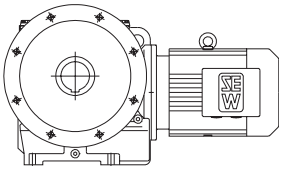




SHF

Shrink disc hollowshaft
Flange mount (D & B5 style flange with through holes)





Compatibility
SEW motors - Pinion gear bore diameters

The gearmotor selection tables show a wide range of motor and gear units combinations for single speed motors. When it is necessary to substitute a motor for one shown in the selection tables (e.g. two-speed motors) the following chart lists the possible combinations by gear unit ratios. Where no ratio is shown for a desired motor frame, then either the pinion gear bore is not available or the required motor to gearcase flange is not available. In all cases when substituting motors, the gear units torque capacity should not be exceeded.

Gear Unit Size	Gear Stages	Permissible Ratios for Motor Frame Size					
		DT71	DT80	DT90	DT100	DV112	DV132S
		Pinion Bore Diameter — mm					
		10	12	14	16	18	22
S..37	3	6.80 - 18.24 19.89 - 51.30 55.93 - 157.43	6.80 - 15.53/19.13 22.50 - 43.68/53.83 63.33 - 122.94	6.80 - 13.39/19.13 22.50 - 37.66/53.83 63.33 - 106.00			
S..47	3	7.28 - 17.62 20.33 - 54.59 63.80 - 201.00	7.28 - 17.62 20.33 - 54.59/67.20 71.75 -158.12	7.28 -19.54 23.20 - 47.32 56.61/67.20 71.75 -137.05	7.28 -14.24/19.54 23.20 - 38.23 56.61/67.20 71.75 -110.73		
S..57	3	7.28 -17.62 20.33 - 54.59 63.80 - 201.00	7.28 -17.62 20.33 - 54.59/67.20 71.75 -158.12	7.28 -19.54 23.20 - 47.32 56.61/67.20 71.75 -137.05	7.28 -14.24/19.54 23.20 - 38.23 56.61/67.20 71.75 -110.73		
S..67	3	11.03 -17.28 20.37 - 23.22/24.44 29.63 - 54.70 62.35 - 65.63/75.06 85.83 - 217.41	8.69 - 17.28 20.37- 23.22 24.44 - 54.70 62.35 -65.63/75.06 85.83 - 217.41	7.56 - 17.28 20.37 - 23.22 24.44 - 54.70 62.35 - 65.63 78.00 - 190.11	7.56 - 17.28 20.37/23.33 26.93 - 54.70/67.57 78.00 - 158.45	7.56 - 20.30/23.33 26.93 - 46.40 58.80 - 67.57 78.00 - 134.40	7.56 - 13.73 20.30/23.33 26.93 - 36.85 58.80/67.57 78.00 - 106.75
S..77	3	15.28 - 18.42 20.99/22.89 35.94 - 53.87/63.03 71.33 - 75.09 107.83 - 256.47	12.07 - 18.42 20.99/22.89 28.41 - 53.87/63.03 71.33 - 75.09 85.22 - 256.47	8.06 - 18.42/20.99 22.89 - 75.09 85.22 - 225.26	8.06 - 18.42/20.99 22.89 - 66.67 75.20 - 189.09	8.06 - 18.42/20.99 22.89 - 56.92/66.67 75.20 - 161.60	8.06 - 18.42/22.22 25.07 - 43.33 56.92/66.67 75.20 - 130.00
S..87	3		17.49 - 19.70 21.43/25.50 39.10 - 57.00 64.27 - 70.43 81.76/91.20 123.48 - 288.00	12.21 - 19.70/21.43 25.50 - 57.00 64.27 - 70.43 81.76 - 288.00	9.07 - 19.70/21.43 25.50 - 57.00 64.27 - 86.15 99.26 - 258.18	9.07 - 19.70/21.43 25.50 - 57.00 64.27 - 77.14/86.15 99.26 - 222.40	7.88 - 19.70/21.43 25.50 - 64.00 77.14/86.15 99.26 - 180.00
S..97	3		23.59/26.39 49.87 - 60.59 71.43/80.85 161.74 - 286.40	17.05 - 23.59/26.39 36.05 - 60.59 71.43/80.85 116.92 - 286.40	13.07 - 23.59/26.39 32.60 - 60.59/71.43 80.85 - 286.40	13.07 - 23.59/26.39 32.60 - 60.59/71.43 80.85 - 286.40	8.26 - 23.59/26.39 32.60 - 78.26 89.60 - 231.67
S..37R17	5	110 - 774	110 - 596				
	6	869 - 10037	869 - 10037				
S..47R17	5	131 - 965	131 - 956				
	6	1083 - 12909	1083 - 12909				
S..57R17	5	131 - 965	131 - 865				
	6	1083 - 12909	1083 - 12909				
S..67R37	5	156 - 809	156 - 809	156 - 809	156 - 615		
	6	914 - 21362	914 - 16682	914 - 3432/4965 6531 - 11013/14383	914 1194 - 1363/3432 6531 - 7455/9694		
S..77R37	5	219 - 1100	219 - 1100	219 - 954	219 - 714		
	6	1245 - 25493	1245 - 19907	1245 - 2374 3098 - 14668	1245 - 1745 3098 - 4618/5943 9887 - 11569		
S..87R57	5	205/831 - 930 1631 - 3475	205 - 255 323/435 558 - 3475	205 - 3475	205 - 2586	205 - 2586	205 - 2054
	6	3872 - 25987	3872 - 20568	3872 - 16774	3872 - 5187/6706 9904 - 14820	3872 - 5187/6706 99040 - 11200	3872 - 5187
S..97R57	5	287 - 376 626 - 1394	205 252 - 1394	205 - 1394	205 - 928 1223	205 - 928	205 - 287 376 - 824
	6	1574 - 33818	1574 - 21537	1574 - 5780 7554 - 18749	1574 - 2329 4017/7554/11267 14576 - 16233	1574 - 2081 4017 14576 - 16233	1574 - 2081

Gear Unit Size	Permissible Ratios for Motor Frame Size					
	DV132M	DV132ML	DV160M	DV160L	DV180	DV200
	Pinion Bore Diameter — mm					
	22	28	28	28	32	38
S..37						
S..47						
S..57						
S..67	7.56 - 13.73 20.30/23.33 26.93 - 36.85 58.80/67.57 78.00 - 106.75					
S..77	8.06 - 18.42/22.22 25.07 - 43.33 56.92/66.67 75.20 - 130.00	8.06 - 13.76 18.97/22.22 25.07 - 32.38 56.92/66.67 75.20 - 97.14	8.06 - 13.76 18.97/22.22 25.07 - 32.38 56.92/66.67 75.20 - 97.14			
S..87	7.88 - 19.70/21.43 25.50 - 64.00 77.14/86.15 99.26 - 180.00	7.88 - 20.27/24.43 27.28 - 44.03 64.00/77.14/86.15 99.26 - 139.05	7.88 - 20.27/24.43 27.28 - 44.03 64.00/77.14/86.15 99.26 - 139.05	7.88 - 20.27/24.43 27.28 - 44.03 64.00/77.14/86.15 99.26 - 139.05	7.88 - 15.64 20.27/24.43 27.28 - 34.96 64.00/77.14/86.15 99.26 - 110.40	
S..97	8.26 - 23.59/26.39 32.60 - 78.26 89.60 - 231.67	8.26 - 23.59/26.39 32.60 - 55.79 65.45/78.26 89.60 - 180.95	8.26 - 23.59/26.39 32.60 - 55.79 65.45/78.26 89.60 - 180.95	8.26 - 23.59/26.39 32.60 - 55.79 65.45/78.26 89.60 - 180.95	8.26 - 21.23/24.13 27.63 - 44.89 65.45/78.26 89.60 - 145.60	8.26 - 17.05/24.13 27.63 - 36.05 65.45/78.26 89.60 - 116.92

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
0.33	**253.0**	4.9	74	455	6.80	2	-	**S37**	**DT71C4**
	215.0	4.3	88	475	8.00	2	-	**S37**	**DT71C4**
	191.0	3.9	98	490	9.02	2	-	**S37**	**DT71C4**
	168.0	3.6	111	510	10.23	2	-	**S37**	**DT71C4**
	158.0	3.4	118	520	10.91	2	-	**S37**	**DT71C4**
	138.0	3.0	134	540	12.48	2	-	**S37**	**DT71C4**
	128.0	2.9	144	550	13.39	2	-	**S37**	**DT71C4**
	111.0	2.5	166	570	15.53	2	-	**S37**	**DT71C4**
	108.0	2.5	171	575	10.23	2	-	**S37**	**DT71D6**
	101.0	2.4	181	585	10.91	2	-	**S37**	**DT71D6**
	94.0	2.2	194	595	18.24	2	-	**S37**	**DT71C4**
	88.0	2.2	205	605	12.48	2	-	**S37**	**DT71D6**
	86.0	2.1	210	605	19.89	2	-	**S37**	**DT71C4**
	82.0	2.1	220	615	13.39	2	-	**S37**	**DT71D6**
	76.0	2.8	225	650	22.50	2	-	**S37**	**DT71C4**
	71.0	1.9	255	635	15.53	2	-	**S37**	**DT71D6**
	68.0	2.5	250	670	25.38	2	-	**S37**	**DT71C4**
	62.0	3.4	290	1000	17.62	2	-	**S47**	**DT71D6**
	60.0	2.3	280	675	28.76	2	-	**S37**	**DT71C4**
	56.0	2.2	300	675	30.68	2	-	**S37**	**DT71C4**
	55.0	1.5	325	670	19.89	2	-	**S37**	**DT71D6**
	54.0	3.0	335	1040	20.33	2	-	**S47**	**DT71D6**
	49.0	2.0	340	675	35.10	2	-	**S37**	**DT71C4**
	46.0	1.9	365	675	37.66	2	-	**S37**	**DT71C4**
	45.0	3.7	375	1130	38.23	2	-	**S47**	**DT71C4**
	43.0	1.8	380	675	25.38	2	-	**S37**	**DT71D6**
	39.0	1.7	415	675	43.68	2	-	**S37**	**DT71C4**
	39.0	3.2	430	1180	44.22	2	-	**S47**	**DT71C4**
	38.0	1.7	430	675	28.76	2	-	**S37**	**DT71D6**
	36.0	3.0	460	1210	47.32	2	-	**S47**	**DT71C4**
	34.0	1.5	485	675	51.30	2	-	**S37**	**DT71C4**
	32.0	2.6	525	1250	54.59	2	-	**S47**	**DT71C4**
	31.0	1.4	525	675	55.93	2	-	**S37**	**DT71C4**
	29.0	1.3	550	675	37.66	2	-	**S37**	**DT71D6**
	29.0	2.6	570	1290	38.23	2	-	**S47**	**DT71D6**
	27.0	1.4	495	675	63.33	2	-	**S37**	**DT71C4**
	27.0	2.3	605	1290	63.80	2	-	**S47**	**DT71C4**
	26.0	2.7	540	1300	67.20	2	-	**S47**	**DT71C4**
	25.0	2.1	655	1290	69.39	2	-	**S47**	**DT71C4**
	24.0	1.3	555	675	71.44	2	-	**S37**	**DT71C4**
	24.0	2.6	575	1300	71.75	2	-	**S47**	**DT71C4**
	23.0	2.2	695	1280	47.32	2	-	**S47**	**DT71D6**
	21.0	1.2	620	675	80.96	2	-	**S37**	**DT71C4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
0.33	**20.0**	1.1	655	675	86.36	2	-	**S37**	**DT71C4**
	20.0	2.2	665	1290	84.00	2	-	**S47**	**DT71C4**
	18.0	2.0	735	1290	94.08	2	-	**S47**	**DT71C4**
	17.0	1.0	735	675	98.80	2	-	**S37**	**DT71C4**
	16.0	1.8	850	1280	110.73	2	-	**S47**	**DT71C4**
	16.0	3.0	870	1840	110.73	2	-	**S57**	**DT71C4**
	15.0	1.8	860	1270	71.75	2	-	**S47**	**DT71D6**
	15.0	3.0	880	1840	71.75	2	-	**S57**	**DT71D6**
	13.0	1.5	1020	1260	137.05	2	-	**S47**	**DT71C4**
	13.0	2.5	1060	1830	137.05	2	-	**S57**	**DT71C4**
	12.0	1.4	1090	1250	94.08	2	-	**S47**	**DT71D6**
	12.0	2.3	1120	1820	94.08	2	-	**S57**	**DT71D6**
	11.0	1.3	1160	1240	158.12	2	-	**S47**	**DT71C4**
	11.0	2.2	1200	1820	158.12	2	-	**S57**	**DT71C4**
	9.9	1.2	1250	1230	110.73	2	-	**S47**	**DT71D6**
	9.9	2.0	1300	1810	110.73	2	-	**S57**	**DT71D6**
	9.5	3.2	1430	2380	180.60	2	-	**S67**	**DT71C4**
	9.3	1.1	1330	1220	184.80	2	-	**S47**	**DT71C4**
	9.3	1.9	1370	1800	184.80	2	-	**S57**	**DT71C4**
	9.1	3.1	1490	2380	190.11	2	-	**S67**	**DT71C4**
	8.6	1.1	1430	1210	201.00	2	-	**S47**	**DT71C4**
	8.6	1.8	1480	1790	201.00	2	-	**S57**	**DT71C4**
	8.4	1.7	1610	1770	204	2	2	**S57R17**	**DT71C4**
	8.0	1.0	1510	1200	137.05	2	-	**S47**	**DT71D6**
	8.0	1.7	1560	1780	137.05	2	-	**S57**	**DT71D6**
	7.9	2.7	1680	2360	217.41	2	-	**S67**	**DT71C4**
	7.5	1.5	1790	1750	229	2	2	**S57R17**	**DT71C4**
	7.0	1.5	1770	1750	158.12	2	-	**S57**	**DT71D6**
	7.0	2.7	1900	2350	246	2	2	**S67R37**	**DT71C4**
	6.9	2.6	1890	2350	158.45	2	-	**S67**	**DT71D6**
	6.7	1.1	1540	1200	257	2	2	**S47R17**	**DT71C4**
	6.4	1.3	2080	1700	269	2	2	**S57R17**	**DT71C4**
	6.1	2.3	2120	2330	180.60	2	-	**S67**	**DT71D6**
	6.1	2.3	2120	2330	180.60	2	-	**S67**	**DT71D6**
	6.1	2.4	2080	2330	281	2	2	**S67R37**	**DT71C4**
	5.9	1.3	2030	1710	184.80	2	-	**S57**	**DT71D6**
	5.8	2.2	2210	2320	190.11	2	-	**S67**	**DT71D6**
	5.5	1.2	2180	1690	201.00	2	-	**S57**	**DT71D6**
	5.4	2.1	2370	2310	319	2	2	**S67R37**	**DT71C4**
	5.1	2.0	2490	2290	217.41	2	-	**S67**	**DT71D6**
	4.9	4.0	2820	3600	225.26	2	-	**S77**	**DT71D6**
	4.7	1.9	2730	2270	365	2	2	**S67R37**	**DT71C4**
	4.4	3.7	2980	3600	389	2	2	**S77R37**	**DT71C4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
0.33	**4.3**	3.5	3160	3600	256.47	2	-	**S77**	**DT71D6**
	4.1	1.7	3060	2230	424	2	2	**S67R37**	**DT71C4**
	3.9	3.3	3350	3600	438	2	2	**S77R37**	**DT71C4**
	3.7	1.5	3370	2180	469	2	2	**S67R37**	**DT71C4**
	3.5	2.9	3790	3600	499	2	2	**S77R37**	**DT71C4**
	3.2	1.3	3970	2080	543	2	2	**S67R37**	**DT71C4**
	3.0	2.5	4420	3600	574	2	2	**S77R37**	**DT71C4**
	2.8	1.2	4450	1980	615	2	2	**S67R37**	**DT71C4**
	2.7	2.2	4870	3570	637	2	2	**S77R37**	**DT71C4**
	2.4	2.0	5490	3520	714	2	2	**S77R37**	**DT71C4**
	2.1	1.7	6570	3410	837	2	2	**S77R37**	**DT71C4**
	2.1	4.7	4670	6740	831	2	2	**S87R57**	**DT71C4**
	1.9	4.3	5150	6740	930	2	2	**S87R57**	**DT71C4**
	1.8	1.5	7490	3300	954	2	2	**S77R37**	**DT71C4**
	1.6	1.3	8690	3130	1100	2	2	**S77R37**	**DT71C4**
	1.4	1.2	9460	3000	1245	2	3	**S77R37**	**DT71C4**
	1.2	1.0	10700	2740	1404	2	3	**S77R37**	**DT71C4**
	1.0	2.6	8540	6680	1631	2	2	**S87R57**	**DT71C4**
	0.9	2.3	9450	6660	1824	2	2	**S87R57**	**DT71C4**
	0.8	2.1	10600	6630	2054	2	2	**S87R57**	**DT71C4**
	0.7	1.8	12200	6590	2335	2	2	**S87R57**	**DT71C4**
	0.7	2.1	17800	8120	2329	2	3	**S97R57**	**DT71C4**
	0.7	1.6	13700	6540	2586	2	2	**S87R57**	**DT71C4**
	0.6	1.4	15800	6470	2905	2	2	**S87R57**	**DT71C4**
	0.6	1.6	24000	7950	3108	2	3	**S97R57**	**DT71C4**
	0.5	1.4	26600	7850	3453	2	3	**S97R57**	**DT71C4**
	0.5	1.2	18800	6340	3475	2	2	**S87R57**	**DT71C4**
	0.4	1.1	20000	6290	3872	2	3	**S87R57**	**DT71C4**
	0.4	1.3	30100	7710	4017	2	3	**S97R57**	**DT71C4**
	0.4	1.1	33800	7540	4444	2	3	**S97R57**	**DT71C4**
	0.4	1.0	37500	6740	4937	2	3	**S97R57**	**DT71C4**
0.50	**250.0**	3.2	114	440	6.80	2	-	**S37**	**DT71D4**
	213.0	2.8	134	460	8.00	2	-	**S37**	**DT71D4**
	188.0	2.5	150	475	9.02	2	-	**S37**	**DT71D4**
	166.0	2.3	170	490	10.23	2	-	**S37**	**DT71D4**
	156.0	2.2	180	495	10.91	2	-	**S37**	**DT71D4**
	136.0	2.0	205	510	12.48	2	-	**S37**	**DT71D4**
	127.0	1.9	220	520	13.39	2	-	**S37**	**DT71D4**
	127.0	4.3	220	795	8.64	2	-	**S47**	**DT80K6**
	119.0	4.1	235	810	14.24	2	-	**S47**	**DT71D4**
	109.0	1.7	255	535	15.53	2	-	**S37**	**DT71D4**
	103.0	3.5	275	840	16.47	2	-	**S47**	**DT71D4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
0.50	**101.0**	1.6	275	545	10.91	2	-	**S37**	**DT80K6**
	96.0	3.3	290	860	17.62	2	-	**S47**	**DT71D4**
	93.0	1.5	295	555	18.24	2	-	**S37**	**DT71D4**
	88.0	1.5	315	560	12.48	2	-	**S37**	**DT80K6**
	85.0	1.4	320	565	19.89	2	-	**S37**	**DT71D4**
	84.0	2.9	335	890	20.33	2	-	**S47**	**DT71D4**
	82.0	1.4	335	570	13.39	2	-	**S37**	**DT80K6**
	76.0	1.8	340	615	22.50	2	-	**S37**	**DT71D4**
	73.0	3.5	355	960	23.20	2	-	**S47**	**DT71D4**
	71.0	1.2	385	585	15.53	2	-	**S37**	**DT80K6**
	69.0	3.4	380	970	24.77	2	-	**S47**	**DT71D4**
	67.0	1.7	385	630	25.38	2	-	**S37**	**DT71D4**
	62.0	2.2	440	960	17.62	2	-	**S47**	**DT80K6**
	59.0	1.5	430	650	28.76	2	-	**S37**	**DT71D4**
	59.0	3.1	440	1020	29.00	2	-	**S47**	**DT71D4**
	55.0	1.4	460	660	30.68	2	-	**S37**	**DT71D4**
	52.0	2.8	495	1050	32.48	2	-	**S47**	**DT71D4**
	48.0	1.3	520	675	35.10	2	-	**S37**	**DT71D4**
	47.0	2.7	540	1080	23.20	2	-	**S47**	**DT80K6**
	45.0	1.2	555	675	37.66	2	-	**S37**	**DT71D4**
	44.0	2.4	575	1090	38.23	2	-	**S47**	**DT71D4**
	43.0	1.2	575	675	25.38	2	-	**S37**	**DT80K6**
	39.0	1.1	640	675	43.68	2	-	**S37**	**DT71D4**
	38.0	1.1	650	675	28.76	2	-	**S37**	**DT80K6**
	38.0	2.1	660	1140	44.22	2	-	**S47**	**DT71D4**
	36.0	1.1	690	675	30.68	2	-	**S37**	**DT80K6**
	36.0	2.0	700	1160	47.32	2	-	**S47**	**DT71D4**
	34.0	2.0	740	1170	32.48	2	-	**S47**	**DT80K6**
	31.0	1.7	800	1200	54.59	2	-	**S47**	**DT71D4**
	31.0	2.7	810	1840	54.59	2	-	**S57**	**DT71D4**
	29.0	1.8	860	1220	38.23	2	-	**S47**	**DT80K6**
	29.0	2.7	880	1840	38.23	2	-	**S57**	**DT80K6**
	27.0	1.5	930	1240	63.80	2	-	**S47**	**DT71D4**
	27.0	2.3	940	1840	63.80	2	-	**S57**	**DT71D4**
	25.0	1.4	1000	1250	69.39	2	-	**S47**	**DT71D4**
	25.0	2.1	1020	1830	69.39	2	-	**S57**	**DT71D4**
	24.0	1.7	880	1270	71.75	2	-	**S47**	**DT71D4**
	24.0	2.7	900	1840	71.75	2	-	**S57**	**DT71D4**
	23.0	1.5	1050	1250	47.32	2	-	**S47**	**DT80K6**
	20.0	1.5	1010	1260	84.00	2	-	**S47**	**DT71D4**
	20.0	2.4	1040	1830	84.00	2	-	**S57**	**DT71D4**
	18.0	1.3	1120	1250	94.08	2	-	**S47**	**DT71D4**
	18.0	2.3	1160	1820	94.08	2	-	**S57**	**DT71D4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
0.50	**16.0**	1.2	1230	1230	67.20	2	-	**S47**	**DT80K6**
	16.0	2.1	1260	1810	67.20	2	-	**S57**	**DT80K6**
	15.0	1.2	1300	1230	110.73	2	-	**S47**	**DT71D4**
	15.0	2.0	1340	1800	110.73	2	-	**S57**	**DT71D4**
	14.0	3.0	1530	2370	121.33	2	-	**S67**	**DT71D4**
	13.0	1.0	1480	1200	128.10	2	-	**S47**	**DT71D4**
	13.0	1.7	1520	1780	128.10	2	-	**S57**	**DT71D4**
	13.0	2.8	1680	2360	134.40	2	-	**S67**	**DT71D4**
	12.0	1.6	1620	1770	137.05	2	-	**S57**	**DT71D4**
	11.0	1.4	1830	1740	158.12	2	-	**S57**	**DT71D4**
	11.0	2.4	1940	2340	158.45	2	-	**S67**	**DT71D4**
	10.0	2.4	2010	2340	106.75	2	-	**S67**	**DT80K6**
	9.9	1.4	1970	1720	110.73	2	-	**S57**	**DT80K6**
	9.4	2.1	2180	2320	180.60	2	-	**S67**	**DT71D4**
	9.2	1.3	2100	1700	184.80	2	-	**S57**	**DT71D4**
	8.9	2.0	2280	2310	190.11	2	-	**S67**	**DT71D4**
	8.5	1.2	2260	1670	201.00	2	-	**S57**	**DT71D4**
	8.2	2.0	2470	2300	134.40	2	-	**S67**	**DT80K6**
	8.0	1.1	2370	1650	137.05	2	-	**S57**	**DT80K6**
	7.9	4.1	2760	3600	214.00	2	-	**S77**	**DT71D4**
	7.8	1.8	2570	2280	217.41	2	-	**S67**	**DT71D4**
	7.6	3.9	2890	3600	225.26	2	-	**S77**	**DT71D4**
	6.9	1.7	2860	2250	158.45	2	-	**S67**	**DT80K6**
	6.6	3.5	3250	3600	256.47	2	-	**S77**	**DT71D4**
	6.1	1.6	3210	2200	180.60	2	-	**S67**	**DT80K6**
	5.9	3.0	3670	3600	289	2	2	**S77R37**	**DT71D4**
	5.8	1.5	3360	2180	190.11	2	-	**S67**	**DT80K6**
	5.8	3.1	3650	3600	189.09	2	-	**S77**	**DT80K6**
	5.3	1.4	3770	2120	319	2	2	**S67R37**	**DT71D4**
	5.2	2.7	4020	3600	327	2	2	**S77R37**	**DT71D4**
	5.1	1.3	3780	2120	217.41	2	-	**S67**	**DT80K6**
	5.1	2.8	4080	3600	214.00	2	-	**S77**	**DT80K6**
	4.9	2.6	4270	3600	225.26	2	-	**S77**	**DT80K6**
	4.7	1.2	4320	2010	365	2	2	**S67R37**	**DT71D4**
	4.4	2.3	4760	3580	389	2	2	**S77R37**	**DT71D4**
	4.3	2.3	4790	3570	256.47	2	-	**S77**	**DT80K6**
	4.0	1.1	4880	1880	424	2	2	**S67R37**	**DT71D4**
	3.9	2.1	5340	3530	438	2	2	**S77R37**	**DT71D4**
	3.8	3.8	5660	6730	288.00	2	-	**S87**	**DT80K6**
	3.4	1.8	6040	3460	499	2	2	**S77R37**	**DT71D4**
	3.0	1.6	7000	3360	574	2	2	**S77R37**	**DT71D4**
	2.7	1.4	7740	3270	637	2	2	**S77R37**	**DT71D4**
	2.4	1.3	8710	3130	714	2	2	**S77R37**	**DT71D4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
0.50	**2.0**	1.1	10300	2830	837	2	2	**S77R37**	**DT71D4**
	2.0	2.9	7530	6700	831	2	2	**S87R57**	**DT71D4**
	1.8	2.7	8310	6680	930	2	2	**S87R57**	**DT71D4**
	1.6	2.8	13100	8220	1070	2	2	**S97R57**	**DT71D4**
	1.4	2.5	14900	8190	1223	2	2	**S97R57**	**DT71D4**
	1.2	2.2	17100	8140	1394	2	2	**S97R57**	**DT71D4**
	1.1	2.0	18600	8100	1574	2	3	**S97R57**	**DT71D4**
	1.0	1.6	13800	6540	1631	2	2	**S87R57**	**DT71D4**
	0.9	1.5	15200	6490	1824	2	2	**S87R57**	**DT71D4**
	0.9	1.7	22100	8010	1860	2	3	**S97R57**	**DT71D4**
	0.8	1.3	17100	6410	2054	2	2	**S87R57**	**DT71D4**
	0.8	1.5	24700	7920	2081	2	3	**S97R57**	**DT71D4**
	0.7	1.2	19600	6300	2335	2	2	**S87R57**	**DT71D4**
	0.7	1.0	21900	6190	2586	2	2	**S87R57**	**DT71D4**
	0.6	1.2	32000	7630	2654	2	3	**S97R57**	**DT71D4**
	0.6	1.0	37800	6630	3108	2	3	**S97R57**	**DT71D4**
0.75	**250.0**	2.1	172	415	6.80	2	-	**S37**	**DT80K4**
	234.0	4.1	185	650	7.28	2	-	**S47**	**DT80K4**
	213.0	1.9	200	430	8.00	2	-	**S37**	**DT80K4**
	197.0	4.1	220	680	8.64	2	-	**S47**	**DT80K4**
	188.0	1.7	225	445	9.02	2	-	**S37**	**DT80K4**
	184.0	4.0	235	690	9.23	2	-	**S47**	**DT80K4**
	166.0	1.6	255	455	10.23	2	-	**S37**	**DT80K4**
	157.0	3.5	270	720	10.80	2	-	**S47**	**DT80K4**
	156.0	1.5	270	460	10.91	2	-	**S37**	**DT80K4**
	151.0	3.4	280	730	7.28	2	-	**S47**	**DT80N6**
	141.0	3.2	305	740	12.10	2	-	**S47**	**DT80K4**
	138.0	1.4	305	470	8.00	2	-	**S37**	**DT80N6**
	136.0	1.3	310	470	12.48	2	-	**S37**	**DT80K4**
	127.0	1.3	330	475	13.39	2	-	**S37**	**DT80K4**
	127.0	2.9	335	760	8.64	2	-	**S47**	**DT80N6**
	122.0	1.3	345	480	9.02	2	-	**S37**	**DT80N6**
	119.0	2.7	355	770	14.24	2	-	**S47**	**DT80K4**
	109.0	1.1	380	485	15.53	2	-	**S37**	**DT80K4**
	108.0	1.1	390	485	10.23	2	-	**S37**	**DT80N6**
	103.0	2.4	410	800	16.47	2	-	**S47**	**DT80K4**
	101.0	1.1	415	490	10.91	2	-	**S37**	**DT80N6**
	96.0	2.2	435	810	17.62	2	-	**S47**	**DT80K4**
	91.0	2.1	460	820	12.10	2	-	**S47**	**DT80N6**
	89.0	1.4	440	545	19.13	2	-	**S37**	**DT80K4**
	84.0	2.0	500	840	20.33	2	-	**S47**	**DT80K4**
	76.0	1.2	515	560	22.50	2	-	**S37**	**DT80K4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
0.75	**73.0**	2.3	535	920	23.20	2	-	**S47**	**DT80K4**
	69.0	2.2	570	930	24.77	2	-	**S47**	**DT80K4**
	67.0	1.1	575	570	25.38	2	-	**S37**	**DT80K4**
	62.0	1.5	665	890	17.62	2	-	**S47**	**DT80N6**
	59.0	1.0	645	580	28.76	2	-	**S37**	**DT80K4**
	59.0	2.0	665	970	29.00	2	-	**S47**	**DT80K4**
	58.0	1.0	665	585	19.13	2	-	**S37**	**DT80N6**
	52.0	1.9	740	990	32.48	2	-	**S47**	**DT80K4**
	52.0	2.9	750	1680	32.48	2	-	**S57**	**DT80K4**
	47.0	1.8	810	1010	23.20	2	-	**S47**	**DT80N6**
	47.0	2.9	820	1730	23.20	2	-	**S57**	**DT80N6**
	44.0	1.6	860	1030	38.23	2	-	**S47**	**DT80K4**
	44.0	2.5	870	1760	38.23	2	-	**S57**	**DT80K4**
	38.0	1.4	990	1060	44.22	2	-	**S47**	**DT80K4**
	38.0	2.2	1000	1830	44.22	2	-	**S57**	**DT80K4**
	36.0	1.3	1050	1080	47.32	2	-	**S47**	**DT80K4**
	36.0	2.0	1070	1830	47.32	2	-	**S57**	**DT80K4**
	34.0	2.1	1130	1820	32.48	2	-	**S57**	**DT80N6**
	31.0	1.2	1200	1100	54.59	2	-	**S47**	**DT80K4**
	31.0	1.8	1220	1810	54.59	2	-	**S57**	**DT80K4**
	31.0	3.4	1260	2250	54.70	2	-	**S67**	**DT80K4**
	29.0	1.2	1300	1120	38.23	2	-	**S47**	**DT80N6**
	29.0	1.8	1310	1810	38.23	2	-	**S57**	**DT80N6**
	27.0	3.0	1420	2340	62.35	2	-	**S67**	**DT80K4**
	26.0	2.8	1490	2370	65.63	2	-	**S67**	**DT80K4**
	25.0	1.2	1250	1230	67.20	2	-	**S47**	**DT80K4**
	25.0	1.8	1280	1810	67.20	2	-	**S57**	**DT80K4**
	24.0	1.1	1320	1220	71.75	2	-	**S47**	**DT80K4**
	24.0	1.8	1360	1800	71.75	2	-	**S57**	**DT80K4**
	23.0	2.5	1690	2360	75.06	2	-	**S67**	**DT80K4**
	20.0	1.6	1560	1780	84.00	2	-	**S57**	**DT80K4**
	20.0	2.8	1670	2360	85.83	2	-	**S67**	**DT80K4**
	18.0	1.6	1730	1760	94.08	2	-	**S57**	**DT80K4**
	17.0	2.4	1940	2340	100.80	2	-	**S67**	**DT80K4**
	16.0	1.4	1890	1730	67.20	2	-	**S57**	**DT80N6**
	16.0	2.2	2040	2340	106.75	2	-	**S67**	**DT80K4**
	15.0	1.3	2000	1720	110.73	2	-	**S57**	**DT80K4**
	15.0	1.9	2540	2290	75.06	2	-	**S67**	**DT80N6**
	14.0	2.0	2290	2310	121.33	2	-	**S67**	**DT80K4**
	13.0	1.2	2280	1670	128.10	2	-	**S57**	**DT80K4**
	13.0	1.9	2510	2290	134.40	2	-	**S67**	**DT80K4**
	13.0	2.0	2480	2290	85.83	2	-	**S67**	**DT80N6**
	12.0	1.1	2420	1640	137.05	2	-	**S57**	**DT80K4**

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0.75	**11.0**	1.6	2910	2240	158.45	2	-	**S67**	**DT80K4**
	11.0	3.4	3210	3600	161.60	2	-	**S77**	**DT80K4**
	10.0	1.6	3020	2230	106.75	2	-	**S67**	**DT80N6**
	10.0	3.3	3300	3600	107.83	2	-	**S77**	**DT80N6**
	9.4	1.4	3270	2200	180.60	2	-	**S67**	**DT80K4**
	9.0	3.0	3700	3600	189.09	2	-	**S77**	**DT80K4**
	8.9	1.4	3430	2170	190.11	2	-	**S67**	**DT80K4**
	8.6	1.4	3740	2120	198	2	2	**S67R37**	**DT80K4**
	7.9	2.7	4140	3600	214.00	2	-	**S77**	**DT80K4**
	7.8	1.2	3860	2100	217.41	2	-	**S67**	**DT80K4**
	7.6	2.6	4330	3600	225.26	2	-	**S77**	**DT80K4**
	6.9	1.2	4290	2020	158.45	2	-	**S67**	**DT80N6**
	6.6	2.3	4870	3570	256.47	2	-	**S77**	**DT80K4**
	6.1	1.0	4810	1900	180.60	2	-	**S67**	**DT80N6**
	5.9	2.0	5610	3510	289	2	2	**S77R37**	**DT80K4**
	5.8	1.0	5030	1840	190.11	2	-	**S67**	**DT80N6**
	5.8	2.0	5480	3520	189.09	2	-	**S77**	**DT80N6**
	5.4	3.3	6190	6720	202.96	2	-	**S87**	**DT80N6**
	5.3	4.2	5010	6740	323	2	2	**S87R57**	**DT80K4**
	5.1	1.9	6120	3460	214.00	2	-	**S77**	**DT80N6**
	4.9	1.8	6410	3430	225.26	2	-	**S77**	**DT80N6**
	4.9	3.1	6730	6710	222.40	2	-	**S87**	**DT80N6**
	4.4	1.5	7320	3320	389	2	2	**S77R37**	**DT80K4**
	4.3	1.6	7190	3340	256.47	2	-	**S77**	**DT80N6**
	4.3	2.7	7700	6700	258.18	2	-	**S87**	**DT80N6**
	3.9	1.4	8200	3200	438	2	2	**S77R37**	**DT80K4**
	3.9	3.3	6510	6720	435	2	2	**S87R57**	**DT80K4**
	3.8	2.5	8500	6680	288.00	2	-	**S87**	**DT80N6**
	3.4	1.2	9280	3030	499	2	2	**S77R37**	**DT80K4**
	3.0	1.0	10700	2750	574	2	2	**S77R37**	**DT80K4**
	3.0	2.7	8080	6690	558	2	2	**S87R57**	**DT80K4**
	2.7	2.5	8910	6670	624	2	2	**S87R57**	**DT80K4**
	2.4	2.2	10200	6640	719	2	2	**S87R57**	**DT80K4**
	2.1	2.5	15200	8180	824	2	2	**S97R57**	**DT80K4**
	2.0	1.9	11700	6600	831	2	2	**S87R57**	**DT80K4**
	1.8	1.7	12900	6570	930	2	2	**S87R57**	**DT80K4**
	1.8	2.2	17200	8140	928	2	2	**S97R57**	**DT80K4**
	1.6	1.6	13900	6530	1032	2	2	**S87R57**	**DT80K4**
	1.4	1.4	15900	6460	1191	2	2	**S87R57**	**DT80K4**
	1.3	1.3	17500	6400	1332	2	2	**S87R57**	**DT80K4**
	1.2	1.4	26200	7870	1394	2	2	**S97R57**	**DT80K4**
	1.1	1.3	28700	7770	1574	2	3	**S97R57**	**DT80K4**
	1.0	1.1	21300	6220	1631	2	2	**S87R57**	**DT80K4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
0.75	**0.9**	1.1	34000	7530	1860	2	3	**S97R57**	**DT80K4**
	0.8	1.0	38000	6560	2081	2	3	**S97R57**	**DT80K4**
1.0	**250.0**	1.6	230	395	6.80	2	-	**S37**	**DT80N4**
	234.0	3.1	245	630	7.28	2	-	**S47**	**DT80N4**
	213.0	1.4	270	405	8.00	2	-	**S37**	**DT80N4**
	197.0	3.0	290	655	8.64	2	-	**S47**	**DT80N4**
	188.0	1.3	300	415	9.02	2	-	**S37**	**DT80N4**
	184.0	3.0	310	670	9.23	2	-	**S47**	**DT80N4**
	166.0	1.2	340	420	10.23	2	-	**S37**	**DT80N4**
	157.0	2.6	360	695	10.80	2	-	**S47**	**DT80N4**
	156.0	1.1	360	425	10.91	2	-	**S37**	**DT80N4**
	151.0	2.6	375	700	7.28	2	-	**S47**	**DT90S6**
	141.0	2.4	405	710	12.10	2	-	**S47**	**DT80N4**
	136.0	1.0	410	430	12.48	2	-	**S37**	**DT80N4**
	127.0	2.2	445	725	8.64	2	-	**S47**	**DT90S6**
	119.0	2.0	475	735	14.24	2	-	**S47**	**DT80N4**
	103.0	1.8	545	760	16.47	2	-	**S47**	**DT80N4**
	103.0	2.7	545	1310	16.47	2	-	**S57**	**DT80N4**
	96.0	1.7	580	765	17.62	2	-	**S47**	**DT80N4**
	96.0	2.5	585	1340	17.62	2	-	**S57**	**DT80N4**
	89.0	1.1	585	500	19.13	2	-	**S37**	**DT80N4**
	84.0	1.5	665	785	20.33	2	-	**S47**	**DT80N4**
	84.0	2.2	670	1390	20.33	2	-	**S57**	**DT80N4**
	73.0	1.8	715	880	23.20	2	-	**S47**	**DT80N4**
	73.0	2.6	725	1490	23.20	2	-	**S57**	**DT80N4**
	69.0	1.7	760	890	24.77	2	-	**S47**	**DT80N4**
	69.0	2.5	770	1520	24.77	2	-	**S57**	**DT80N4**
	67.0	1.2	830	810	16.47	2	-	**S47**	**DT90S6**
	62.0	1.1	880	820	17.62	2	-	**S47**	**DT90S6**
	59.0	1.6	880	920	29.00	2	-	**S47**	**DT80N4**
	59.0	2.4	890	1590	29.00	2	-	**S57**	**DT80N4**
	56.0	1.5	920	920	19.54	2	-	**S47**	**DT90S6**
	56.0	2.4	930	1600	19.54	2	-	**S57**	**DT90S6**
	52.0	1.4	980	940	32.48	2	-	**S47**	**DT80N4**
	52.0	2.2	1000	1630	32.48	2	-	**S57**	**DT80N4**
	47.0	1.4	1080	950	23.20	2	-	**S47**	**DT90S6**
	47.0	2.2	1090	1680	23.20	2	-	**S57**	**DT90S6**
	44.0	1.2	1150	960	38.23	2	-	**S47**	**DT80N4**
	44.0	1.9	1160	1700	38.23	2	-	**S57**	**DT80N4**
	44.0	2.0	1160	1710	24.77	2	-	**S57**	**DT90S6**
	41.0	3.3	1300	2040	41.89	2	-	**S67**	**DT80N4**
	38.0	1.1	1320	990	44.22	2	-	**S47**	**DT80N4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
1.0	**38.0**	1.6	1340	1770	44.22	2	-	**S57**	**DT80N4**
	37.0	3.0	1430	2090	46.40	2	-	**S67**	**DT80N4**
	36.0	1.5	1420	1790	47.32	2	-	**S57**	**DT80N4**
	34.0	1.0	1480	1000	32.48	2	-	**S47**	**DT90S6**
	31.0	1.4	1630	1770	54.59	2	-	**S57**	**DT80N4**
	31.0	2.5	1670	2190	54.70	2	-	**S67**	**DT80N4**
	29.0	1.4	1750	1750	38.23	2	-	**S57**	**DT90S6**
	27.0	2.2	1890	2260	62.35	2	-	**S67**	**DT80N4**
	26.0	2.1	1990	2290	65.63	2	-	**S67**	**DT80N4**
	25.0	1.4	1700	1760	67.20	2	-	**S57**	**DT80N4**
	24.0	1.4	1810	1750	71.75	2	-	**S57**	**DT80N4**
	24.0	2.2	2160	2330	46.40	2	-	**S67**	**DT90S6**
	23.0	1.9	2260	2320	75.06	2	-	**S67**	**DT80N4**
	20.0	1.2	2090	1700	84.00	2	-	**S57**	**DT80N4**
	20.0	2.1	2230	2320	85.83	2	-	**S67**	**DT80N4**
	18.0	1.2	2310	1660	94.08	2	-	**S57**	**DT80N4**
	18.0	3.6	2670	3600	97.14	2	-	**S77**	**DT80N4**
	17.0	1.8	2580	2280	100.80	2	-	**S67**	**DT80N4**
	16.0	1.1	2530	1620	67.20	2	-	**S57**	**DT90S6**
	16.0	1.7	2720	2270	106.75	2	-	**S67**	**DT80N4**
	16.0	3.3	2950	3600	107.83	2	-	**S77**	**DT80N4**
	15.0	1.0	2670	1590	110.73	2	-	**S57**	**DT80N4**
	15.0	2.7	3610	3600	75.09	2	-	**S77**	**DT90S6**
	14.0	1.5	3060	2230	121.33	2	-	**S67**	**DT80N4**
	14.0	3.0	3330	3600	123.20	2	-	**S77**	**DT80N4**
	13.0	1.4	3350	2180	134.40	2	-	**S67**	**DT80N4**
	13.0	3.0	3500	3600	130.00	2	-	**S77**	**DT80N4**
	11.0	1.2	3880	2100	158.45	2	-	**S67**	**DT80N4**
	11.0	2.5	4270	3600	161.60	2	-	**S77**	**DT80N4**
	10.0	1.2	4030	2070	106.75	2	-	**S67**	**DT90S6**
	10.0	2.5	4400	3600	107.83	2	-	**S77**	**DT90S6**
	9.4	1.1	4370	2000	180.60	2	-	**S67**	**DT80N4**
	9.0	2.2	4930	3560	189.09	2	-	**S77**	**DT80N4**
	8.9	1.0	4570	1960	190.11	2	-	**S67**	**DT80N4**
	8.5	2.1	5210	3540	130.00	2	-	**S77**	**DT90S6**
	8.2	1.0	4940	1870	134.40	2	-	**S67**	**DT90S6**
	7.9	2.0	5520	3510	214.00	2	-	**S77**	**DT80N4**
	7.6	2.0	5780	3490	225.26	2	-	**S77**	**DT80N4**
	7.4	1.9	5860	3480	148.15	2	-	**S77**	**DT90S6**
	6.8	1.8	6340	3430	161.60	2	-	**S77**	**DT90S6**
	6.6	1.8	6500	3420	256.47	2	-	**S77**	**DT80N4**
	6.6	2.9	6910	6710	258.18	2	-	**S87**	**DT80N4**
	5.9	2.6	7640	6700	288.00	2	-	**S87**	**DT80N4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
1.0	**5.8**	1.6	7300	3320	189.09	2	-	**S77**	**DT90S6**
	5.4	2.5	8260	6680	202.96	2	-	**S87**	**DT90S6**
	5.3	3.1	6810	6710	323	2	2	**S87R57**	**DT80N4**
	5.1	1.4	8160	3210	214.00	2	-	**S77**	**DT90S6**
	4.9	1.3	8540	3150	225.26	2	-	**S77**	**DT90S6**
	4.9	2.3	8970	6670	222.40	2	-	**S87**	**DT90S6**
	4.4	1.1	9870	2920	389	2	2	**S77R37**	**DT80N4**
	4.3	2.0	10300	6640	258.18	2	-	**S87**	**DT90S6**
	3.9	2.5	8850	6670	435	2	2	**S87R57**	**DT80N4**
	3.8	1.9	11300	6610	288.00	2	-	**S87**	**DT90S6**
	3.0	2.0	11000	6620	558	2	2	**S87R57**	**DT80N4**
	2.7	1.9	12100	6590	624	2	2	**S87R57**	**DT80N4**
	2.7	2.3	15800	8170	626	2	2	**S97R57**	**DT80N4**
	2.4	1.6	13800	6540	719	2	2	**S87R57**	**DT80N4**
	2.4	2.7	14000	8210	714	2	2	**S97R57**	**DT80N4**
	2.0	1.4	15800	6470	831	2	2	**S87R57**	**DT80N4**
	1.8	1.3	17400	6400	930	2	2	**S87R57**	**DT80N4**
	1.8	1.6	23300	7970	928	2	2	**S97R57**	**DT80N4**
	1.6	1.2	18900	6340	1032	2	2	**S87R57**	**DT80N4**
	1.6	1.4	27100	7830	1070	2	2	**S97R57**	**DT80N4**
	1.4	1.1	21500	6210	1191	2	2	**S87R57**	**DT80N4**
	1.2	1.1	35200	7470	1394	2	2	**S97R57**	**DT80N4**
1.5	**253.0**	1.1	340	350	6.80	2	-	**S37**	**DT90S4**
	236.0	2.1	365	590	7.28	2	-	**S47**	**DT90S4**
	199.0	2.0	430	610	8.64	2	-	**S47**	**DT90S4**
	186.0	2.0	460	620	9.23	2	-	**S47**	**DT90S4**
	159.0	1.8	535	635	10.80	2	-	**S47**	**DT90S4**
	159.0	2.8	540	1120	10.80	2	-	**S57**	**DT90S4**
	155.0	1.8	550	640	7.28	2	-	**S47**	**DT90L6**
	142.0	1.6	600	650	12.10	2	-	**S47**	**DT90S4**
	142.0	2.5	600	1150	12.10	2	-	**S57**	**DT90S4**
	131.0	1.5	650	655	8.64	2	-	**S47**	**DT90L6**
	131.0	2.3	650	1180	8.64	2	-	**S57**	**DT90L6**
	121.0	1.4	700	665	14.24	2	-	**S47**	**DT90S4**
	121.0	2.1	705	1200	14.24	2	-	**S57**	**DT90S4**
	110.0	3.8	780	1440	15.60	2	-	**S67**	**DT90S4**
	104.0	1.2	810	675	16.47	2	-	**S47**	**DT90S4**
	104.0	1.9	810	1240	16.47	2	-	**S57**	**DT90S4**
	100.0	3.5	860	1480	17.28	2	-	**S67**	**DT90S4**
	98.0	1.1	860	675	17.62	2	-	**S47**	**DT90S4**
	98.0	1.7	870	1260	17.62	2	-	**S57**	**DT90S4**
	93.0	1.1	900	680	12.10	2	-	**S47**	**DT90L6**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
1.5	**88.0**	1.2	900	770	19.54	2	-	**S47**	**DT90S4**
	88.0	1.8	910	1360	19.54	2	-	**S57**	**DT90S4**
	84.0	3.0	1010	1540	20.37	2	-	**S67**	**DT90S4**
	82.0	3.0	1040	1550	13.73	2	-	**S67**	**DT90L6**
	79.0	1.4	1060	1310	14.24	2	-	**S57**	**DT90L6**
	74.0	1.2	1060	795	23.20	2	-	**S47**	**DT90S4**
	74.0	1.8	1070	1420	23.20	2	-	**S57**	**DT90S4**
	74.0	2.6	1150	1590	23.22	2	-	**S67**	**DT90S4**
	72.0	2.6	1180	1600	15.60	2	-	**S67**	**DT90L6**
	70.0	2.5	1210	1610	24.44	2	-	**S67**	**DT90S4**
	69.0	1.2	1130	800	24.77	2	-	**S47**	**DT90S4**
	69.0	1.7	1140	1440	24.77	2	-	**S57**	**DT90S4**
	64.0	3.2	1260	1730	26.93	2	-	**S67**	**DT90S4**
	59.0	1.1	1310	820	29.00	2	-	**S47**	**DT90S4**
	59.0	1.7	1330	1500	29.00	2	-	**S57**	**DT90S4**
	58.0	3.1	1380	1770	29.63	2	-	**S67**	**DT90S4**
	55.0	2.1	1520	1690	20.37	2	-	**S67**	**DT90L6**
	53.0	1.5	1480	1540	32.48	2	-	**S57**	**DT90S4**
	49.0	1.5	1600	1570	23.20	2	-	**S57**	**DT90L6**
	49.0	2.6	1610	1850	34.80	2	-	**S67**	**DT90S4**
	47.0	2.5	1710	1870	36.85	2	-	**S67**	**DT90S4**
	46.0	1.4	1700	1590	24.77	2	-	**S57**	**DT90L6**
	45.0	1.3	1730	1590	38.23	2	-	**S57**	**DT90S4**
	41.0	2.2	1930	1930	41.89	2	-	**S67**	**DT90S4**
	39.0	1.1	1980	1640	44.22	2	-	**S57**	**DT90S4**
	37.0	2.0	2120	1980	46.40	2	-	**S67**	**DT90S4**
	36.0	1.1	2110	1660	47.32	2	-	**S57**	**DT90S4**
	35.0	1.1	2200	1670	32.48	2	-	**S57**	**DT90L6**
	32.0	2.0	2410	2040	34.80	2	-	**S67**	**DT90L6**
	31.0	1.7	2480	2050	54.70	2	-	**S67**	**DT90S4**
	30.0	3.4	2400	3080	56.92	2	-	**S77**	**DT90S4**
	28.0	1.5	2810	2110	62.35	2	-	**S67**	**DT90S4**
	27.0	3.2	3000	3080	63.03	2	-	**S77**	**DT90S4**
	26.0	1.5	2950	2130	65.63	2	-	**S67**	**DT90S4**
	26.0	3.1	2790	3220	66.67	2	-	**S77**	**DT90S4**
	24.0	1.5	3160	2160	46.40	2	-	**S67**	**DT90L6**
	24.0	2.9	3370	3170	71.33	2	-	**S77**	**DT90S4**
	23.0	2.8	3540	3210	75.09	2	-	**S77**	**DT90S4**
	22.0	1.5	3030	2230	78.00	2	-	**S67**	**DT90S4**
	20.0	1.4	3310	2190	85.83	2	-	**S67**	**DT90S4**
	20.0	2.7	3510	3440	85.22	2	-	**S77**	**DT90S4**
	18.0	2.4	3970	3560	97.14	2	-	**S77**	**DT90S4**
	17.0	1.2	3830	2110	100.80	2	-	**S67**	**DT90S4**

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1.5	**16.0**	1.2	4040	2070	106.75	2	-	**S67**	**DT90S4**
	16.0	2.2	4370	3600	107.83	2	-	**S77**	**DT90S4**
	15.0	1.9	5280	3530	75.09	2	-	**S77**	**DT90L6**
	14.0	1.0	4540	1960	121.33	2	-	**S67**	**DT90S4**
	14.0	2.1	4950	3560	123.20	2	-	**S77**	**DT90S4**
	13.0	1.0	4850	1890	85.83	2	-	**S67**	**DT90L6**
	13.0	2.0	5200	3540	130.00	2	-	**S77**	**DT90S4**
	12.0	1.8	5860	3480	148.15	2	-	**S77**	**DT90S4**
	12.0	3.1	5800	6730	139.05	2	-	**S87**	**DT90S4**
	11.0	1.7	6340	3430	161.60	2	-	**S77**	**DT90S4**
	11.0	2.9	6270	6720	151.30	2	-	**S87**	**DT90S4**
	10.0	1.7	6430	3420	107.83	2	-	**S77**	**DT90L6**
	9.6	2.6	7370	6700	180.00	2	-	**S87**	**DT90S4**
	9.1	1.5	7320	3320	189.09	2	-	**S77**	**DT90S4**
	8.7	1.5	7630	3280	130.00	2	-	**S77**	**DT90L6**
	8.5	2.3	8230	6690	202.96	2	-	**S87**	**DT90S4**
	8.0	1.4	8190	3200	214.00	2	-	**S77**	**DT90S4**
	7.7	2.2	8950	6670	222.40	2	-	**S87**	**DT90S4**
	7.6	1.3	8580	3150	225.26	2	-	**S77**	**DT90S4**
	7.0	1.2	9290	3030	161.60	2	-	**S77**	**DT90L6**
	6.7	2.0	10300	6640	258.18	2	-	**S87**	**DT90S4**
	6.3	1.9	10800	6630	180.00	2	-	**S87**	**DT90L6**
	6.1	2.3	9090	6670	281	2	2	**S87R57**	**DT90S4**
	6.0	1.1	10700	2750	189.09	2	-	**S77**	**DT90L6**
	6.0	1.8	11300	6610	288.00	2	-	**S87**	**DT90S4**
	5.6	1.7	12100	6590	202.96	2	-	**S87**	**DT90L6**
	5.3	2.1	10300	6640	323	2	2	**S87R57**	**DT90S4**
	5.1	1.6	13100	6560	222.40	2	-	**S87**	**DT90L6**
	4.9	2.6	14200	8200	231.67	2	-	**S97**	**DT90L6**
	4.6	1.9	11800	6600	378	2	2	**S87R57**	**DT90S4**
	4.6	2.5	14700	8190	376	2	2	**S97R57**	**DT90S4**
	4.4	1.4	15000	6500	258.18	2	-	**S87**	**DT90L6**
	4.3	2.3	15900	8170	262.22	2	-	**S97**	**DT90L6**
	4.1	2.3	16200	8160	420	2	2	**S97R57**	**DT90S4**
	4.0	1.6	13400	6550	435	2	2	**S87R57**	**DT90S4**
	4.0	2.2	17200	8140	286.40	2	-	**S97**	**DT90L6**
	3.9	1.3	16600	6440	288.00	2	-	**S87**	**DT90L6**
	3.5	1.5	14700	6510	485	2	2	**S87R57**	**DT90S4**
	3.5	2.0	18600	8100	484	2	2	**S97R57**	**DT90S4**
	3.1	1.4	16600	6440	558	2	2	**S87R57**	**DT90S4**
	2.8	1.2	18300	6360	624	2	2	**S87R57**	**DT90S4**
	2.8	1.6	23800	7950	626	2	2	**S97R57**	**DT90S4**
	2.4	1.1	20900	6240	719	2	2	**S87R57**	**DT90S4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
1.5	**2.4**	1.8	21000	8040	714	2	2	**S97R57**	**DT90S4**
	2.1	1.2	30900	7680	824	2	2	**S97R57**	**DT90S4**
	1.9	1.1	34900	7480	928	2	2	**S97R57**	**DT90S4**
2.0	**236.0**	1.6	485	555	7.28	2	-	**S47**	**DT90L4**
	236.0	2.2	490	980	7.28	2	-	**S57**	**DT90L4**
	199.0	1.6	575	570	8.64	2	-	**S47**	**DT90L4**
	199.0	2.2	575	1020	8.64	2	-	**S57**	**DT90L4**
	186.0	1.5	615	575	9.23	2	-	**S47**	**DT90L4**
	186.0	2.1	615	1040	9.23	2	-	**S57**	**DT90L4**
	172.0	4.1	675	1240	10.03	2	-	**S67**	**DT90L4**
	159.0	1.4	715	580	10.80	2	-	**S47**	**DT90L4**
	159.0	2.1	720	1070	10.80	2	-	**S57**	**DT90L4**
	154.0	1.3	740	585	7.28	2	-	**S47**	**DT100L6**
	148.0	3.9	780	1290	7.56	2	-	**S67**	**DT100L6**
	142.0	1.2	800	585	12.10	2	-	**S47**	**DT90L4**
	142.0	1.9	800	1100	12.10	2	-	**S57**	**DT90L4**
	133.0	3.5	870	1330	12.96	2	-	**S67**	**DT90L4**
	130.0	1.1	870	590	8.64	2	-	**S47**	**DT100L6**
	130.0	1.7	880	1120	8.64	2	-	**S57**	**DT100L6**
	125.0	3.3	920	1340	13.73	2	-	**S67**	**DT90L4**
	121.0	1.1	940	590	14.24	2	-	**S47**	**DT90L4**
	121.0	1.6	940	1140	14.24	2	-	**S57**	**DT90L4**
	110.0	2.9	1040	1390	15.60	2	-	**S67**	**DT90L4**
	104.0	1.4	1080	1170	16.47	2	-	**S57**	**DT90L4**
	100.0	2.6	1150	1420	17.28	2	-	**S67**	**DT90L4**
	98.0	1.3	1150	1180	17.62	2	-	**S57**	**DT90L4**
	93.0	1.3	1210	1190	12.10	2	-	**S57**	**DT100L6**
	88.0	1.4	1210	1310	19.54	2	-	**S57**	**DT90L4**
	86.0	2.3	1320	1460	12.96	2	-	**S67**	**DT100L6**
	84.0	2.2	1350	1470	20.37	2	-	**S67**	**DT90L4**
	79.0	1.1	1420	1220	14.24	2	-	**S57**	**DT100L6**
	74.0	1.3	1430	1360	23.20	2	-	**S57**	**DT90L4**
	74.0	2.0	1540	1510	23.22	2	-	**S67**	**DT90L4**
	72.0	2.0	1580	1520	15.60	2	-	**S67**	**DT100L6**
	70.0	1.9	1610	1520	24.44	2	-	**S67**	**DT90L4**
	69.0	1.3	1520	1370	24.77	2	-	**S57**	**DT90L4**
	64.0	2.4	1680	1660	26.93	2	-	**S67**	**DT90L4**
	59.0	1.3	1770	1420	29.00	2	-	**S57**	**DT90L4**
	58.0	2.3	1840	1700	29.63	2	-	**S67**	**DT90L4**
	53.0	1.1	1970	1450	32.48	2	-	**S57**	**DT90L4**
	49.0	2.0	2150	1760	34.80	2	-	**S67**	**DT90L4**
	48.0	2.1	2210	1770	23.33	2	-	**S67**	**DT100L6**
	47.0	1.9	2270	1780	36.85	2	-	**S67**	**DT90L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
2.0	**45.0**	3.8	2490	2620	25.07	2	-	**S77**	**DT100L6**
	42.0	3.7	2650	2660	41.07	2	-	**S77**	**DT90L4**
	41.0	1.7	2570	1830	41.89	2	-	**S67**	**DT90L4**
	40.0	3.5	2790	2700	43.33	2	-	**S77**	**DT90L4**
	38.0	1.7	2780	1860	29.63	2	-	**S67**	**DT100L6**
	37.0	1.5	2830	1870	46.40	2	-	**S67**	**DT90L4**
	35.0	3.1	3160	2790	49.38	2	-	**S77**	**DT90L4**
	32.0	1.5	3240	1920	34.80	2	-	**S67**	**DT100L6**
	32.0	2.8	3440	2840	53.87	2	-	**S77**	**DT90L4**
	31.0	1.3	3310	1920	54.70	2	-	**S67**	**DT90L4**
	30.0	1.4	3420	1930	36.85	2	-	**S67**	**DT100L6**
	30.0	2.5	3200	2990	56.92	2	-	**S77**	**DT90L4**
	28.0	1.2	3750	1960	62.35	2	-	**S67**	**DT90L4**
	27.0	2.4	4000	2950	63.03	2	-	**S77**	**DT90L4**
	26.0	1.1	3930	1980	65.63	2	-	**S67**	**DT90L4**
	26.0	2.3	3720	3120	66.67	2	-	**S77**	**DT90L4**
	24.0	1.1	4250	2000	46.40	2	-	**S67**	**DT100L6**
	24.0	2.2	4500	3030	71.33	2	-	**S77**	**DT90L4**
	23.0	2.1	4720	3060	75.09	2	-	**S77**	**DT90L4**
	22.0	1.1	4040	2070	78.00	2	-	**S67**	**DT90L4**
	21.0	1.9	5180	3120	53.87	2	-	**S77**	**DT100L6**
	20.0	1.1	4410	1990	85.83	2	-	**S67**	**DT90L4**
	20.0	2.0	4680	3310	85.22	2	-	**S77**	**DT90L4**
	19.0	2.3	5840	6720	91.20	2	-	**S87**	**DT90L4**
	18.0	1.8	5290	3410	97.14	2	-	**S77**	**DT90L4**
	17.0	2.9	5640	6730	99.26	2	-	**S87**	**DT90L4**
	16.0	1.7	5830	3480	107.83	2	-	**S77**	**DT90L4**
	16.0	2.7	6230	6720	110.40	2	-	**S87**	**DT90L4**
	15.0	1.6	6210	3450	75.20	2	-	**S77**	**DT100L6**
	15.0	2.6	6660	6710	77.14	2	-	**S87**	**DT100L6**
	14.0	1.6	6590	3410	123.20	2	-	**S77**	**DT90L4**
	14.0	2.5	6920	6710	123.48	2	-	**S87**	**DT90L4**
	13.0	1.5	6930	3370	130.00	2	-	**S77**	**DT90L4**
	13.0	2.4	7380	6700	86.15	2	-	**S87**	**DT100L6**
	12.0	1.4	7810	3260	148.15	2	-	**S77**	**DT90L4**
	12.0	2.3	7730	6690	139.05	2	-	**S87**	**DT90L4**
	11.0	1.3	8460	3160	161.60	2	-	**S77**	**DT90L4**
	11.0	2.2	8360	6680	151.30	2	-	**S87**	**DT90L4**
	10.0	1.3	8650	3130	107.83	2	-	**S77**	**DT100L6**
	10.0	2.0	9290	6660	110.40	2	-	**S87**	**DT100L6**
	9.6	1.9	9820	6650	180.00	2	-	**S87**	**DT90L4**
	9.5	3.3	10200	8270	180.95	2	-	**S97**	**DT90L4**
	9.1	1.1	9760	2940	189.09	2	-	**S77**	**DT90L4**

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2.0	**8.8**	3.1	11000	8260	196.52	2	-	**S97**	**DT90L4**
	8.5	1.8	11000	6620	202.96	2	-	**S87**	**DT90L4**
	8.1	1.7	11500	6610	139.05	2	-	**S87**	**DT100L6**
	8.0	1.1	10900	2700	214.00	2	-	**S77**	**DT90L4**
	7.8	3.1	11800	8240	219	2	2	**S97R57**	**DT90L4**
	7.7	1.7	11900	6600	222.40	2	-	**S87**	**DT90L4**
	7.6	1.0	11400	2580	225.26	2	-	**S77**	**DT90L4**
	7.4	2.7	12900	8230	231.67	2	-	**S97**	**DT90L4**
	6.9	2.6	13700	8210	161.74	2	-	**S97**	**DT100L6**
	6.7	1.5	13700	6540	258.18	2	-	**S87**	**DT90L4**
	6.6	2.5	14400	8200	262.22	2	-	**S97**	**DT90L4**
	6.2	1.4	14600	6510	180.00	2	-	**S87**	**DT100L6**
	6.0	1.4	15100	6490	288.00	2	-	**S87**	**DT90L4**
	6.0	2.3	15600	8170	286.40	2	-	**S97**	**DT90L4**
	5.7	2.2	16400	8160	196.52	2	-	**S97**	**DT100L6**
	5.5	1.3	16200	6450	202.96	2	-	**S87**	**DT100L6**
	5.3	1.6	13900	6540	323	2	2	**S87R57**	**DT90L4**
	5.3	2.1	17400	8130	327	2	2	**S97R57**	**DT90L4**
	5.0	1.2	17600	6390	222.40	2	-	**S87**	**DT100L6**
	4.8	2.0	19100	8090	231.67	2	-	**S97**	**DT100L6**
	4.6	1.4	15900	6460	378	2	2	**S87R57**	**DT90L4**
	4.3	1.1	20200	6280	258.18	2	-	**S87**	**DT100L6**
	4.3	1.8	21400	8030	262.22	2	-	**S97**	**DT100L6**
	4.1	1.7	21800	8010	420	2	2	**S97R57**	**DT90L4**
	4.0	1.2	18000	6380	435	2	2	**S87R57**	**DT90L4**
	3.9	1.6	23200	7970	286.40	2	-	**S97**	**DT100L6**
	3.5	1.1	19800	6300	485	2	2	**S87R57**	**DT90L4**
	3.5	1.5	25000	7910	484	2	2	**S97R57**	**DT90L4**
	3.2	1.4	27600	7810	538	2	2	**S97R57**	**DT90L4**
	3.1	1.0	22400	6160	558	2	2	**S87R57**	**DT90L4**
	2.8	1.2	31900	7630	626	2	2	**S97R57**	**DT90L4**
	2.4	1.3	28200	7790	714	2	2	**S97R57**	**DT90L4**
3.0	**236.0**	1.5	730	920	7.28	2	-	**S57**	**DT100LS4**
	228.0	2.9	770	1100	7.56	2	-	**S67**	**DT100LS4**
	199.0	1.5	870	950	8.64	2	-	**S57**	**DT100LS4**
	198.0	2.8	880	1140	8.69	2	-	**S67**	**DT100LS4**
	186.0	1.5	920	960	9.23	2	-	**S57**	**DT100LS4**
	172.0	2.7	1020	1170	10.03	2	-	**S67**	**DT100LS4**
	159.0	1.4	1080	980	10.80	2	-	**S57**	**DT100LS4**
	156.0	2.7	1120	1200	11.03	2	-	**S67**	**DT100LS4**
	151.0	2.7	1150	1200	7.56	2	-	**S67**	**DV112M6**
	142.0	1.3	1200	1000	12.10	2	-	**S57**	**DT100LS4**

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3.0	**133.0**	2.3	1310	1230	12.96	2	-	**S67**	**DT100LS4**
	131.0	2.3	1320	1240	8.69	2	-	**S67**	**DV112M6**
	125.0	2.2	1380	1250	13.73	2	-	**S67**	**DT100LS4**
	121.0	1.1	1410	1020	14.24	2	-	**S57**	**DT100LS4**
	114.0	2.0	1520	1270	10.03	2	-	**S67**	**DV112M6**
	110.0	1.9	1560	1280	15.60	2	-	**S67**	**DT100LS4**
	107.0	3.9	1640	1900	10.65	2	-	**S77**	**DV112M6**
	103.0	1.9	1670	1290	11.03	2	-	**S67**	**DV112M6**
	100.0	1.8	1730	1300	17.28	2	-	**S67**	**DT100LS4**
	99.0	3.5	1780	1930	17.45	2	-	**S77**	**DT100LS4**
	94.0	3.4	1850	1950	12.07	2	-	**S77**	**DV112M6**
	93.0	3.4	1870	1960	18.42	2	-	**S77**	**DT100LS4**
	88.0	1.6	1950	1320	12.96	2	-	**S67**	**DV112M6**
	84.0	1.5	2030	1330	20.37	2	-	**S67**	**DT100LS4**
	83.0	1.5	2060	1330	13.73	2	-	**S67**	**DV112M6**
	82.0	2.9	2130	2010	20.99	2	-	**S77**	**DT100LS4**
	75.0	2.7	2320	2050	22.89	2	-	**S77**	**DT100LS4**
	74.0	1.7	2200	1500	23.33	2	-	**S67**	**DT100LS4**
	73.0	1.4	2330	1350	15.60	2	-	**S67**	**DV112M6**
	69.0	3.5	2460	2230	25.07	2	-	**S77**	**DT100LS4**
	64.0	1.6	2520	1530	26.93	2	-	**S67**	**DT100LS4**
	61.0	3.2	2780	2300	28.41	2	-	**S77**	**DT100LS4**
	58.0	1.6	2770	1560	29.63	2	-	**S67**	**DT100LS4**
	56.0	1.6	2860	1570	20.30	2	-	**S67**	**DV112M6**
	53.0	2.9	3160	2370	32.38	2	-	**S77**	**DT100LS4**
	50.0	1.8	3460	2200	22.89	2	-	**S77**	**DV112M6**
	49.0	1.3	3230	1600	34.80	2	-	**S67**	**DT100LS4**
	49.0	1.4	3260	1600	23.33	2	-	**S67**	**DV112M6**
	48.0	2.7	3490	2420	35.94	2	-	**S77**	**DT100LS4**
	47.0	1.3	3410	1610	36.85	2	-	**S67**	**DT100LS4**
	45.0	2.6	3670	2450	25.07	2	-	**S77**	**DV112M6**
	42.0	2.5	3970	2490	41.07	2	-	**S77**	**DT100LS4**
	41.0	1.1	3850	1630	41.89	2	-	**S67**	**DT100LS4**
	40.0	2.3	4180	2520	43.33	2	-	**S77**	**DT100LS4**
	38.0	1.2	4100	1640	29.63	2	-	**S67**	**DV112M6**
	37.0	1.0	4250	1650	46.40	2	-	**S67**	**DT100LS4**
	35.0	2.0	4740	2580	49.38	2	-	**S77**	**DT100LS4**
	32.0	1.9	5160	2620	53.87	2	-	**S77**	**DT100LS4**
	32.0	2.0	5190	2630	35.94	2	-	**S77**	**DV112M6**
	30.0	1.7	4800	2820	56.92	2	-	**S77**	**DT100LS4**
	30.0	2.5	5570	6730	57.00	2	-	**S87**	**DT100LS4**
	28.0	1.7	5900	2680	41.07	2	-	**S77**	**DV112M6**
	27.0	1.6	5990	2690	63.03	2	-	**S77**	**DT100LS4**

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3.0	**27.0**	2.3	6260	6720	64.27	2	-	**S87**	**DT100LS4**
	26.0	1.6	5580	2910	66.67	2	-	**S77**	**DT100LS4**
	24.0	2.1	6840	6710	70.43	2	-	**S87**	**DT100LS4**
	23.0	1.5	6240	2980	75.20	2	-	**S77**	**DT100LS4**
	22.0	2.3	6660	6710	77.14	2	-	**S87**	**DT100LS4**
	21.0	1.8	7890	6690	81.76	2	-	**S87**	**DT100LS4**
	20.0	1.3	7020	3050	85.22	2	-	**S77**	**DT100LS4**
	20.0	1.4	7070	3060	56.92	2	-	**S77**	**DV112M6**
	20.0	2.1	7400	6700	86.15	2	-	**S87**	**DT100LS4**
	18.0	1.2	7930	3120	97.14	2	-	**S77**	**DT100LS4**
	17.0	2.0	8450	6680	99.26	2	-	**S87**	**DT100LS4**
	16.0	1.1	8740	3120	107.83	2	-	**S77**	**DT100LS4**
	16.0	1.8	9350	6660	110.40	2	-	**S87**	**DT100LS4**
	16.0	3.1	9220	8280	105.71	2	-	**S97**	**DT100LS4**
	15.0	1.1	9170	3050	75.20	2	-	**S77**	**DV112M6**
	15.0	1.8	9820	6650	77.14	2	-	**S87**	**DV112M6**
	15.0	2.9	10100	8270	116.92	2	-	**S97**	**DT100LS4**
	14.0	1.1	9890	2920	123.20	2	-	**S77**	**DT100LS4**
	14.0	1.7	10400	6640	123.48	2	-	**S87**	**DT100LS4**
	14.0	2.4	11900	8240	80.85	2	-	**S97**	**DV112M6**
	13.0	1.0	10400	2820	130.00	2	-	**S77**	**DT100LS4**
	13.0	1.6	10900	6620	86.15	2	-	**S87**	**DV112M6**
	13.0	2.7	11400	8250	131.85	2	-	**S97**	**DT100LS4**
	12.0	1.6	11600	6600	139.05	2	-	**S87**	**DT100LS4**
	12.0	2.5	12500	8230	145.60	2	-	**S97**	**DT100LS4**
	11.0	1.5	12500	6580	151.30	2	-	**S87**	**DT100LS4**
	11.0	2.3	13800	8210	161.74	2	-	**S97**	**DT100LS4**
	10.0	1.4	13700	6540	110.40	2	-	**S87**	**DV112M6**
	9.6	1.3	14700	6510	180.00	2	-	**S87**	**DT100LS4**
	9.5	2.2	15300	8180	180.95	2	-	**S97**	**DT100LS4**
	9.2	1.3	15200	6490	123.48	2	-	**S87**	**DV112M6**
	8.8	2.0	16500	8150	196.52	2	-	**S97**	**DT100LS4**
	8.6	2.0	16700	8150	131.85	2	-	**S97**	**DV112M6**
	8.5	1.2	16500	6440	202.96	2	-	**S87**	**DT100LS4**
	8.4	2.2	16900	8150	205	2	2	**S97R57**	**DT100LS4**
	8.2	1.2	17000	6420	139.05	2	-	**S87**	**DV112M6**
	7.8	2.1	17900	8120	219	2	2	**S97R57**	**DT100LS4**
	7.7	1.1	17900	6380	222.40	2	-	**S87**	**DT100LS4**
	7.5	1.1	18300	6360	151.30	2	-	**S87**	**DV112M6**
	7.4	1.8	19300	8090	231.67	2	-	**S97**	**DT100LS4**
	6.6	1.7	21600	8020	262.22	2	-	**S97**	**DT100LS4**
	6.1	1.2	18600	6350	281	2	2	**S87R57**	**DT100LS4**
	6.0	1.5	23500	7960	286.40	2	-	**S97**	**DT100LS4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
3.0	**5.8**	1.5	24200	7940	196.52	2	-	**S97**	**DV112M6**
	5.3	1.0	21000	6240	323	2	2	**S87R57**	**DT100LS4**
	5.3	1.4	26300	7860	327	2	2	**S97R57**	**DT100LS4**
	4.9	1.3	28200	7790	231.67	2	-	**S97**	**DV112M6**
	4.6	1.3	29900	7720	376	2	2	**S97R57**	**DT100LS4**
	4.3	1.2	31600	7650	262.22	2	-	**S97**	**DV112M6**
	4.1	1.2	33000	7580	420	2	2	**S97R57**	**DT100LS4**
	4.0	1.1	34200	7520	286.40	2	-	**S97**	**DV112M6**
	3.5	1.0	37800	6670	484	2	2	**S97R57**	**DT100LS4**
5.0	**222.0**	1.7	1310	1000	7.56	2	-	**S67**	**DT100L4**
	208.0	3.6	1420	1500	8.06	2	-	**S77**	**DT100L4**
	193.0	1.7	1500	1020	8.69	2	-	**S67**	**DT100L4**
	178.0	3.5	1660	1550	9.44	2	-	**S77**	**DT100L4**
	168.0	1.6	1730	1030	10.03	2	-	**S67**	**DT100L4**
	158.0	3.4	1870	1590	10.65	2	-	**S77**	**DT100L4**
	152.0	1.6	1900	1040	11.03	2	-	**S67**	**DT100L4**
	139.0	3.0	2110	1630	12.07	2	-	**S77**	**DT100L4**
	130.0	1.4	2230	1050	12.96	2	-	**S67**	**DT100L4**
	122.0	1.3	2350	1050	13.73	2	-	**S67**	**DT100L4**
	122.0	2.7	2400	1660	13.76	2	-	**S77**	**DT100L4**
	110.0	2.4	2660	1690	15.28	2	-	**S77**	**DT100L4**
	108.0	1.2	2670	1060	15.60	2	-	**S67**	**DT100L4**
	97.0	1.0	2950	1050	17.28	2	-	**S67**	**DT100L4**
	96.0	2.1	3030	1720	17.45	2	-	**S77**	**DT100L4**
	91.0	2.0	3190	1730	18.42	2	-	**S77**	**DT100L4**
	80.0	1.7	3630	1760	20.99	2	-	**S77**	**DT100L4**
	73.0	1.6	3950	1770	22.89	2	-	**S77**	**DT100L4**
	67.0	2.0	4190	2030	25.07	2	-	**S77**	**DT100L4**
	59.0	1.9	4740	2070	28.41	2	-	**S77**	**DT100L4**
	53.0	2.7	5330	6330	31.43	2	-	**S87**	**DT100L4**
	52.0	1.7	5380	2110	32.38	2	-	**S77**	**DT100L4**
	48.0	2.4	5910	6490	34.96	2	-	**S87**	**DT100L4**
	47.0	1.6	5950	2130	35.94	2	-	**S77**	**DT100L4**
	43.0	2.2	6590	6670	39.10	2	-	**S87**	**DT100L4**
	41.0	1.5	6770	2160	41.07	2	-	**S77**	**DT100L4**
	39.0	1.4	7130	2170	43.33	2	-	**S77**	**DT100L4**
	38.0	1.9	7400	6700	44.03	2	-	**S87**	**DT100L4**
	35.0	1.8	8030	6690	47.91	2	-	**S87**	**DT100L4**
	34.0	1.2	8080	2180	49.38	2	-	**S77**	**DT100L4**
	34.0	3.4	8500	8290	49.87	2	-	**S97**	**DT100L4**
	31.0	1.1	8790	2180	53.87	2	-	**S77**	**DT100L4**
	30.0	1.0	8180	2470	56.92	2	-	**S77**	**DT100L4**
	30.0	3.1	9480	8280	55.79	2	-	**S97**	**DT100L4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
5.0	**29.0**	1.5	9500	6650	57.00	2	-	**S87**	**DT100L4**
	28.0	2.8	10300	8270	60.59	2	-	**S97**	**DT100L4**
	26.0	1.4	10700	6630	64.27	2	-	**S87**	**DT100L4**
	24.0	1.2	11700	6600	70.43	2	-	**S87**	**DT100L4**
	24.0	2.4	12100	8240	71.43	2	-	**S97**	**DT100L4**
	22.0	1.4	11400	6610	77.14	2	-	**S87**	**DT100L4**
	21.0	1.1	13500	6540	81.76	2	-	**S87**	**DT100L4**
	21.0	2.1	13600	8210	80.85	2	-	**S97**	**DT100L4**
	20.0	1.3	12600	6580	86.15	2	-	**S87**	**DT100L4**
	19.0	2.0	13400	8220	89.60	2	-	**S97**	**DT100L4**
	17.0	1.2	14400	6520	99.26	2	-	**S87**	**DT100L4**
	16.0	1.8	15700	8170	105.71	2	-	**S97**	**DT100L4**
	15.0	1.1	15900	6460	110.40	2	-	**S87**	**DT100L4**
	14.0	1.0	17700	6390	123.48	2	-	**S87**	**DT100L4**
	14.0	1.7	17300	8140	116.92	2	-	**S97**	**DT100L4**
	13.0	1.6	19400	8080	131.85	2	-	**S97**	**DT100L4**
	12.0	1.5	21300	8030	145.60	2	-	**S97**	**DT100L4**
	10.0	1.4	23500	7960	161.74	2	-	**S97**	**DT100L4**
	9.3	1.3	26100	7870	180.95	2	-	**S97**	**DT100L4**
	8.6	1.2	28200	7790	196.52	2	-	**S97**	**DT100L4**
	7.7	1.2	30800	7680	219	2	2	**S97R57**	**DT100L4**
	7.2	1.1	32900	7590	231.67	2	-	**S97**	**DT100L4**
	6.7	1.1	35100	7470	252	2	2	**S97R57**	**DT100L4**
5.4	**229.0**	1.6	1380	970	7.56	2	-	**S67**	**DV112M4**
	215.0	3.4	1490	1470	8.06	2	-	**S77**	**DV112M4**
	199.0	1.6	1580	990	8.69	2	-	**S67**	**DV112M4**
	183.0	3.3	1740	1520	9.44	2	-	**S77**	**DV112M4**
	173.0	1.6	1820	1000	10.03	2	-	**S67**	**DV112M4**
	162.0	3.3	1960	1560	10.65	2	-	**S77**	**DV112M4**
	157.0	1.5	2000	1010	11.03	2	-	**S67**	**DV112M4**
	143.0	2.9	2210	1590	12.07	2	-	**S77**	**DV112M4**
	133.0	1.3	2340	1010	12.96	2	-	**S67**	**DV112M4**
	126.0	1.2	2470	1020	13.73	2	-	**S67**	**DV112M4**
	126.0	2.5	2520	1620	13.76	2	-	**S77**	**DV112M4**
	113.0	2.3	2790	1650	15.28	2	-	**S77**	**DV112M4**
	111.0	1.1	2800	1010	15.60	2	-	**S67**	**DV112M4**
	99.0	2.0	3180	1670	17.45	2	-	**S77**	**DV112M4**
	94.0	1.9	3350	1680	18.42	2	-	**S77**	**DV112M4**
	82.0	1.7	3810	1700	20.99	2	-	**S77**	**DV112M4**
	76.0	1.5	4140	1710	22.89	2	-	**S77**	**DV112M4**
	69.0	2.0	4400	1980	25.07	2	-	**S77**	**DV112M4**
	63.0	2.9	4870	6030	27.28	2	-	**S87**	**DV112M4**
	61.0	1.8	4970	2010	28.41	2	-	**S77**	**DV112M4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
5.4	**55.0**	2.5	5590	6240	31.43	2	-	**S87**	**DV112M4**
	53.0	1.7	5640	2050	32.38	2	-	**S77**	**DV112M4**
	49.0	2.3	6200	6400	34.96	2	-	**S87**	**DV112M4**
	48.0	1.5	6240	2070	35.94	2	-	**S77**	**DV112M4**
	44.0	2.0	6920	6570	39.10	2	-	**S87**	**DV112M4**
	43.0	3.9	7300	8300	40.65	2	-	**S97**	**DV112M4**
	42.0	1.4	7100	2090	41.07	2	-	**S77**	**DV112M4**
	40.0	1.3	7480	2090	43.33	2	-	**S77**	**DV112M4**
	39.0	1.8	7770	6690	44.03	2	-	**S87**	**DV112M4**
	39.0	3.6	8050	8300	44.89	2	-	**S97**	**DV112M4**
	36.0	1.7	8430	6680	47.91	2	-	**S87**	**DV112M4**
	35.0	1.2	8480	2100	49.38	2	-	**S77**	**DV112M4**
	35.0	3.3	8920	8290	49.87	2	-	**S97**	**DV112M4**
	32.0	1.1	9220	2100	53.87	2	-	**S77**	**DV112M4**
	31.0	2.9	9950	8270	55.79	2	-	**S97**	**DV112M4**
	30.0	1.4	9970	6640	57.00	2	-	**S87**	**DV112M4**
	29.0	2.7	10800	8260	60.59	2	-	**S97**	**DV112M4**
	27.0	1.3	11200	6610	64.27	2	-	**S87**	**DV112M4**
	25.0	1.2	12200	6580	70.43	2	-	**S87**	**DV112M4**
	24.0	2.3	12600	8230	71.43	2	-	**S97**	**DV112M4**
	22.0	1.3	11900	6600	77.14	2	-	**S87**	**DV112M4**
	21.0	2.0	14300	8200	80.85	2	-	**S97**	**DV112M4**
	20.0	1.2	13200	6560	86.15	2	-	**S87**	**DV112M4**
	19.0	1.9	14100	8210	89.60	2	-	**S97**	**DV112M4**
	17.0	1.1	15100	6490	99.26	2	-	**S87**	**DV112M4**
	16.0	1.0	16700	6430	110.40	2	-	**S87**	**DV112M4**
	16.0	1.7	16500	8160	105.71	2	-	**S97**	**DV112M4**
	15.0	1.7	18200	8120	116.92	2	-	**S97**	**DV112M4**
	13.0	1.5	20400	8060	131.85	2	-	**S97**	**DV112M4**
	12.0	1.4	22300	8000	145.60	2	-	**S97**	**DV112M4**
	11.0	1.3	24700	7920	161.74	2	-	**S97**	**DV112M4**
	9.6	1.2	27400	7820	180.95	2	-	**S97**	**DV112M4**
	8.8	1.2	29600	7730	196.52	2	-	**S97**	**DV112M4**
	7.5	1.0	34500	7510	231.67	2	-	**S97**	**DV112M4**
	6.9	1.0	36900	7070	252	2	2	**S97R57**	**DV112M4**
7.5	**229.0**	1.2	1910	860	7.56	2	-	**S67**	**DV132S4**
	215.0	2.5	2070	1370	8.06	2	-	**S77**	**DV132S4**
	199.0	1.2	2190	860	8.69	2	-	**S67**	**DV132S4**
	183.0	2.4	2410	1400	9.44	2	-	**S77**	**DV132S4**
	173.0	1.1	2520	830	10.03	2	-	**S67**	**DV132S4**
	162.0	2.4	2720	1420	10.65	2	-	**S77**	**DV132S4**
	157.0	1.1	2770	770	11.03	2	-	**S67**	**DV132S4**
	143.0	2.1	3070	1430	12.07	2	-	**S77**	**DV132S4**

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7.5	**126.0**	1.8	3500	1440	13.76	2	-	**S77**	**DV132S4**
	123.0	3.0	3610	4830	14.06	2	-	**S87**	**DV132S4**
	113.0	1.7	3870	1450	15.28	2	-	**S77**	**DV132S4**
	111.0	2.7	4010	4950	15.64	2	-	**S87**	**DV132S4**
	99.0	1.4	4410	1450	17.45	2	-	**S77**	**DV132S4**
	99.0	2.5	4480	5070	17.49	2	-	**S87**	**DV132S4**
	94.0	1.4	4650	1440	18.42	2	-	**S77**	**DV132S4**
	91.0	1.7	4660	1720	18.97	2	-	**S77**	**DV132S4**
	88.0	2.2	5030	5200	19.70	2	-	**S87**	**DV132S4**
	81.0	2.0	5470	5290	21.43	2	-	**S87**	**DV132S4**
	78.0	1.5	5440	1750	22.22	2	-	**S77**	**DV132S4**
	69.0	1.4	6120	1760	25.07	2	-	**S77**	**DV132S4**
	63.0	2.1	6770	5850	27.28	2	-	**S87**	**DV132S4**
	61.0	1.3	6910	1770	28.41	2	-	**S77**	**DV132S4**
	55.0	1.8	7770	6030	31.43	2	-	**S87**	**DV132S4**
	53.0	1.2	7840	1770	32.38	2	-	**S77**	**DV132S4**
	53.0	3.2	8170	7870	32.60	2	-	**S97**	**DV132S4**
	49.0	1.7	8620	6170	34.96	2	-	**S87**	**DV132S4**
	48.0	1.1	8680	1760	35.94	2	-	**S77**	**DV132S4**
	48.0	3.0	9020	8060	36.05	2	-	**S97**	**DV132S4**
	44.0	1.5	9610	6310	39.10	2	-	**S87**	**DV132S4**
	43.0	2.8	10100	8270	40.65	2	-	**S97**	**DV132S4**
	42.0	1.0	9870	1730	41.07	2	-	**S77**	**DV132S4**
	39.0	1.3	10800	6450	44.03	2	-	**S87**	**DV132S4**
	39.0	2.6	11200	8260	44.89	2	-	**S97**	**DV132S4**
	36.0	1.2	11700	6560	47.91	2	-	**S87**	**DV132S4**
	35.0	2.4	12400	8240	49.87	2	-	**S97**	**DV132S4**
	31.0	2.1	13800	8210	55.79	2	-	**S97**	**DV132S4**
	30.0	1.0	13900	6530	57.00	2	-	**S87**	**DV132S4**
	29.0	2.0	15000	8190	60.59	2	-	**S97**	**DV132S4**
	27.0	1.0	13900	6540	64.00	2	-	**S87**	**DV132S4**
	26.0	1.6	14500	8200	65.45	2	-	**S97**	**DV132S4**
	24.0	1.7	17600	8130	71.43	2	-	**S97**	**DV132S4**
	22.0	1.5	17200	8140	78.26	2	-	**S97**	**DV132S4**
	19.0	1.4	19600	8080	89.60	2	-	**S97**	**DV132S4**
	16.0	1.3	22900	7980	105.71	2	-	**S97**	**DV132S4**
	15.0	1.2	25200	7900	116.92	2	-	**S97**	**DV132S4**
	13.0	1.1	28300	7790	131.85	2	-	**S97**	**DV132S4**
	12.0	1.0	31100	7670	145.60	2	-	**S97**	**DV132S4**
10	**221.0**	2.7	2700	4100	7.88	2	-	**S87**	**DV132M4**
	216.0	1.9	2740	1240	8.06	2	-	**S77**	**DV132M4**
	192.0	2.7	3100	4240	9.07	2	-	**S87**	**DV132M4**
	184.0	1.8	3200	1250	9.44	2	-	**S77**	**DV132M4**

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10	**163.0**	1.8	3600	1250	10.65	2	-	**S77**	**DV132M4**
	159.0	2.7	3730	4420	10.93	2	-	**S87**	**DV132M4**
	144.0	1.6	4080	1220	12.07	2	-	**S77**	**DV132M4**
	143.0	2.6	4160	4520	12.21	2	-	**S87**	**DV132M4**
	126.0	1.4	4640	1100	13.76	2	-	**S77**	**DV132M4**
	124.0	2.3	4790	4660	14.06	2	-	**S87**	**DV132M4**
	114.0	1.3	5140	1000	15.28	2	-	**S77**	**DV132M4**
	111.0	2.1	5310	4760	15.64	2	-	**S87**	**DV132M4**
	102.0	3.6	5860	6330	17.05	2	-	**S97**	**DV132M4**
	100.0	1.1	5850	830	17.45	2	-	**S77**	**DV132M4**
	99.0	1.9	5930	4860	17.49	2	-	**S87**	**DV132M4**
	94.0	1.0	6170	760	18.42	2	-	**S77**	**DV132M4**
	92.0	1.3	6180	1520	18.97	2	-	**S77**	**DV132M4**
	90.0	3.3	6600	6500	19.23	2	-	**S97**	**DV132M4**
	88.0	1.7	6670	4960	19.70	2	-	**S87**	**DV132M4**
	82.0	3.1	7280	6640	21.23	2	-	**S97**	**DV132M4**
	81.0	1.5	7250	5030	21.43	2	-	**S87**	**DV132M4**
	78.0	1.2	7210	1520	22.22	2	-	**S77**	**DV132M4**
	74.0	2.8	8070	6790	23.59	2	-	**S97**	**DV132M4**
	69.0	1.1	8110	1500	25.07	2	-	**S77**	**DV132M4**
	66.0	2.5	9010	6940	26.39	2	-	**S97**	**DV132M4**
	64.0	1.6	8970	5620	27.28	2	-	**S87**	**DV132M4**
	55.0	1.4	10300	5770	31.43	2	-	**S87**	**DV132M4**
	53.0	2.4	10800	7640	32.60	2	-	**S97**	**DV132M4**
	50.0	1.3	11400	5880	34.96	2	-	**S87**	**DV132M4**
	48.0	2.3	12000	7810	36.05	2	-	**S97**	**DV132M4**
	45.0	1.1	12700	5990	39.10	2	-	**S87**	**DV132M4**
	43.0	2.1	13500	8020	40.65	2	-	**S97**	**DV132M4**
	40.0	1.0	14300	6100	44.03	2	-	**S87**	**DV132M4**
	39.0	2.0	14800	8180	44.89	2	-	**S97**	**DV132M4**
	35.0	1.8	16400	8160	49.87	2	-	**S97**	**DV132M4**
	31.0	1.6	18300	8110	55.79	2	-	**S97**	**DV132M4**
	29.0	1.5	19900	8070	60.59	2	-	**S97**	**DV132M4**
	27.0	1.2	19200	8090	65.45	2	-	**S97**	**DV132M4**
	24.0	1.3	23300	7970	71.43	2	-	**S97**	**DV132M4**
	22.0	1.1	22800	7990	78.26	2	-	**S97**	**DV132M4**
	19.0	1.1	26000	7880	89.60	2	-	**S97**	**DV132M4**
12.5	**221.0**	2.2	3380	4010	7.88	2	-	**S87**	**DV132ML4**
	216.0	1.5	3420	1100	8.06	2	-	**S77**	**DV132ML4**
	192.0	2.2	3880	4130	9.07	2	-	**S87**	**DV132ML4**
	184.0	1.5	4000	980	9.44	2	-	**S77**	**DV132ML4**
	163.0	1.4	4510	870	10.65	2	-	**S77**	**DV132ML4**

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[1] Pri. = primary reducer Sec. = secondary reducer.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
12.5	**159.0**	2.1	4660	4290	10.93	2	-	**S87**	**DV132ML4**
	144.0	1.3	5100	735	12.07	2	-	**S77**	**DV132ML4**
	143.0	2.1	5200	4380	12.21	2	-	**S87**	**DV132ML4**
	133.0	3.4	5630	5820	13.07	2	-	**S97**	**DV132ML4**
	126.0	1.1	5800	565	13.76	2	-	**S77**	**DV132ML4**
	124.0	1.9	5980	4490	14.06	2	-	**S87**	**DV132ML4**
	113.0	3.1	6630	6030	15.42	2	-	**S97**	**DV132ML4**
	111.0	1.7	6640	4570	15.64	2	-	**S87**	**DV132ML4**
	102.0	2.9	7320	6160	17.05	2	-	**S97**	**DV132ML4**
	99.0	1.5	7420	4650	17.49	2	-	**S87**	**DV132ML4**
	92.0	1.0	7720	1330	18.97	2	-	**S77**	**DV132ML4**
	90.0	2.7	8250	6310	19.23	2	-	**S97**	**DV132ML4**
	88.0	1.3	8340	4720	19.70	2	-	**S87**	**DV132ML4**
	86.0	1.5	8380	5120	20.27	2	-	**S87**	**DV132ML4**
	82.0	2.5	9100	6430	21.23	2	-	**S97**	**DV132ML4**
	74.0	2.3	10100	6550	23.59	2	-	**S97**	**DV132ML4**
	71.0	1.4	10100	5300	24.43	2	-	**S87**	**DV132ML4**
	66.0	2.0	11300	6680	26.39	2	-	**S97**	**DV132ML4**
	64.0	1.3	11200	5400	27.28	2	-	**S87**	**DV132ML4**
	55.0	1.1	12900	5520	31.43	2	-	**S87**	**DV132ML4**
	53.0	2.0	13500	7430	32.60	2	-	**S97**	**DV132ML4**
	50.0	1.0	14300	5600	34.96	2	-	**S87**	**DV132ML4**
	48.0	1.9	15000	7580	36.05	2	-	**S97**	**DV132ML4**
	43.0	1.7	16800	7750	40.65	2	-	**S97**	**DV132ML4**
	39.0	1.6	18500	7890	44.89	2	-	**S97**	**DV132ML4**
	35.0	1.4	20500	8030	49.87	2	-	**S97**	**DV132ML4**
	31.0	1.3	22900	7980	55.79	2	-	**S97**	**DV132ML4**
	27.0	1.0	24000	7950	65.45	2	-	**S97**	**DV132ML4**
15	**221.0**	1.8	4050	3910	7.88	2	-	**S87**	**DV160M4**
	211.0	3.0	4290	5140	8.26	2	-	**S97**	**DV160M4**
	192.0	1.8	4650	4020	9.07	2	-	**S87**	**DV160M4**
	182.0	3.0	4950	5310	9.55	2	-	**S97**	**DV160M4**
	159.0	1.8	5600	4160	10.93	2	-	**S87**	**DV160M4**
	152.0	3.0	5910	5530	11.41	2	-	**S97**	**DV160M4**
	143.0	1.8	6240	4230	12.21	2	-	**S87**	**DV160M4**
	133.0	2.8	6750	5690	13.07	2	-	**S97**	**DV160M4**
	124.0	1.6	7180	4320	14.06	2	-	**S87**	**DV160M4**
	113.0	2.6	7960	5880	15.42	2	-	**S97**	**DV160M4**
	111.0	1.4	7970	4380	15.64	2	-	**S87**	**DV160M4**
	102.0	2.4	8790	5990	17.05	2	-	**S97**	**DV160M4**
	99.0	1.3	8900	4440	17.49	2	-	**S87**	**DV160M4**
	90.0	2.2	9900	6120	19.23	2	-	**S97**	**DV160M4**
	88.0	1.1	10000	4490	19.70	2	-	**S87**	**DV160M4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
15	**86.0**	1.3	10100	4960	20.27	2	-	**S87**	**DV160M4**
	82.0	2.1	10900	6220	21.23	2	-	**S97**	**DV160M4**
	74.0	1.9	12100	6320	23.59	2	-	**S97**	**DV160M4**
	71.0	1.2	12100	5110	24.43	2	-	**S87**	**DV160M4**
	66.0	1.7	13500	6420	26.39	2	-	**S97**	**DV160M4**
	64.0	1.1	13500	5180	27.28	2	-	**S87**	**DV160M4**
	53.0	1.6	16300	7210	32.60	2	-	**S97**	**DV160M4**
	48.0	1.6	17900	7340	36.05	2	-	**S97**	**DV160M4**
	43.0	1.4	20200	7480	40.65	2	-	**S97**	**DV160M4**
	39.0	1.3	22200	7590	44.89	2	-	**S97**	**DV160M4**
	35.0	1.2	24600	7700	49.87	2	-	**S97**	**DV160M4**
	31.0	1.1	27500	7810	55.79	2	-	**S97**	**DV160M4**
20	**223.0**	1.4	5340	3720	7.88	2	-	**S87**	**DV160L4**
	213.0	2.2	5650	4970	8.26	2	-	**S97**	**DV160L4**
	194.0	1.4	6140	3800	9.07	2	-	**S87**	**DV160L4**
	184.0	2.3	6520	5110	9.55	2	-	**S97**	**DV160L4**
	161.0	1.4	7380	3890	10.93	2	-	**S87**	**DV160L4**
	144.0	1.4	8230	3940	12.21	2	-	**S87**	**DV160L4**
	135.0	2.2	8910	5420	13.07	2	-	**S97**	**DV160L4**
	125.0	1.2	9460	3990	14.06	2	-	**S87**	**DV160L4**
	114.0	2.0	10500	5570	15.42	2	-	**S97**	**DV160L4**
	113.0	1.1	10500	4010	15.64	2	-	**S87**	**DV160L4**
	103.0	1.9	11600	5650	17.05	2	-	**S97**	**DV160L4**
	92.0	1.7	13000	5730	19.23	2	-	**S97**	**DV160L4**
	83.0	1.6	14400	5800	21.23	2	-	**S97**	**DV160L4**
	75.0	1.5	16000	5850	23.59	2	-	**S97**	**DV160L4**
	67.0	1.3	17800	5900	26.39	2	-	**S97**	**DV160L4**
	54.0	1.3	21400	6780	32.60	2	-	**S97**	**DV160L4**
	49.0	1.2	23700	6860	36.05	2	-	**S97**	**DV160L4**
	43.0	1.1	26600	6940	40.65	2	-	**S97**	**DV160L4**
	39.0	1.0	29300	7000	44.89	2	-	**S97**	**DV160L4**
25	**213.0**	1.8	7070	4810	8.26	2	-	**S97**	**DV180M4**
	184.0	1.8	8150	4930	9.55	2	-	**S97**	**DV180M4**
	154.0	1.8	9740	5070	11.41	2	-	**S97**	**DV180M4**
	135.0	1.7	11100	5170	13.07	2	-	**S97**	**DV180M4**
	114.0	1.6	13100	5270	15.42	2	-	**S97**	**DV180M4**
	103.0	1.5	14500	5320	17.05	2	-	**S97**	**DV180M4**
	92.0	1.4	16300	5360	19.23	2	-	**S97**	**DV180M4**
	83.0	1.3	18000	5390	21.23	2	-	**S97**	**DV180M4**
	73.0	1.2	19900	6170	24.13	2	-	**S97**	**DV180M4**
	64.0	1.1	22800	6260	27.63	2	-	**S97**	**DV180M4**
	54.0	1.0	26800	6350	32.60	2	-	**S97**	**DV180M4**

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Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra}	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
30	**213.0**	1.5	8480	4640	8.26	2	-	**S97**	**DV180L4**
	184.0	1.5	9790	4740	9.55	2	-	**S97**	**DV180L4**
	154.0	1.5	11700	4850	11.41	2	-	**S97**	**DV180L4**
	135.0	1.5	13400	4910	13.07	2	-	**S97**	**DV180L4**
	114.0	1.3	15700	4970	15.42	2	-	**S97**	**DV180L4**

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Selections
Gearmotors - Extreme Slow Speed - Service Factor = 1.0

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
810	**0.17**	675	10037	2	3	**S37R17**	**DT71K4**
	0.20	675	8654	2	3	**S37R17**	**DT71K4**
	0.21	675	8066	2	3	**S37R17**	**DT71K4**
	0.24	675	7051	2	3	**S37R17**	**DT71K4**
	0.28	675	6079	2	3	**S37R17**	**DT71K4**
	0.31	675	5431	2	3	**S37R17**	**DT71K4**
	0.36	675	4747	2	3	**S37R17**	**DT71K4**
	0.41	675	4155	2	3	**S37R17**	**DT71K4**
	0.47	675	3632	2	3	**S37R17**	**DT71K4**
	0.59	675	2866	2	3	**S37R17**	**DT71K4**
	0.69	675	2471	2	3	**S37R17**	**DT71K4**
	0.79	675	2160	2	3	**S37R17**	**DT71K4**
	0.90	675	1887	2	3	**S37R17**	**DT71K4**
	1.0	675	1665	2	3	**S37R17**	**DT71K4**
	1.2	675	1456	2	3	**S37R17**	**DT71K4**
	1.3	675	1271	2	3	**S37R17**	**DT71K4**
	1.5	675	1121	2	3	**S37R17**	**DT71K4**
	1.7	675	994	2	3	**S37R17**	**DT71K4**
	2.0	675	869	2	3	**S37R17**	**DT71K4**
	2.2	675	774	2	2	**S37R17**	**DT71K4**
	2.5	675	666	2	2	**S37R17**	**DT71K4**
	2.8	675	596	2	2	**S37R17**	**DT71K4**
	3.3	675	521	2	2	**S37R17**	**DT71K4**
	3.7	675	456	2	2	**S37R17**	**DT71K4**
	4.3	675	398	2	2	**S37R17**	**DT71K4**
	4.8	675	351	2	2	**S37R17**	**DT71K4**
	5.6	675	303	2	2	**S37R17**	**DT71K4**
	6.4	675	265	2	2	**S37R17**	**DT71K4**
	7.3	675	232	2	2	**S37R17**	**DT71K4**
	8.4	675	202	2	2	**S37R17**	**DT71K4**
	9.5	675	179	2	2	**S37R17**	**DT71K4**
	11.0	675	158	2	2	**S37R17**	**DT71C4**
	12.0	675	144	2	2	**S37R17**	**DT71C4**
	15.0	675	118	2	2	**S37R17**	**DT71C4**
	15.0	675	110	2	2	**S37R17**	**DT71D4**
1620	**1.8**	1170	956	2	3	**S47R17**	**DT71K4**
1640	**0.13**	1180	12909	2	3	**S47R17**	**DT71K4**
	0.15	1180	11189	2	3	**S47R17**	**DT71K4**
	0.16	1180	10374	2	3	**S47R17**	**DT71K4**
	0.19	1180	8992	2	3	**S47R17**	**DT71K4**
	0.22	1180	7860	2	3	**S47R17**	**DT71K4**
	0.25	1180	6887	2	3	**S47R17**	**DT71K4**
	0.28	1180	6055	2	3	**S47R17**	**DT71K4**

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Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
1640	**0.32**	1180	5292	2	3	**S47R17**	**DT71K4**
	0.37	1180	4637	2	3	**S47R17**	**DT71K4**
	0.42	1180	4092	2	3	**S47R17**	**DT71K4**
	0.47	1170	3582	2	3	**S47R17**	**DT71K4**
	0.54	1170	3131	2	3	**S47R17**	**DT71K4**
	0.63	1170	2714	2	3	**S47R17**	**DT71K4**
	0.70	1170	2412	2	3	**S47R17**	**DT71K4**
	0.80	1170	2131	2	3	**S47R17**	**DT71K4**
	0.91	1170	1863	2	3	**S47R17**	**DT71K4**
	1.0	1170	1663	2	3	**S47R17**	**DT71K4**
	1.2	1170	1435	2	3	**S47R17**	**DT71K4**
	1.4	1170	1254	2	3	**S47R17**	**DT71K4**
	1.5	1170	1120	2	3	**S47R17**	**DT71K4**
	1.6	1170	1083	2	3	**S47R17**	**DT71K4**
	1.8	1170	965	2	2	**S47R17**	**DT71K4**
	2.0	1170	865	2	2	**S47R17**	**DT71K4**
	2.3	1170	750	2	2	**S47R17**	**DT71K4**
	2.6	1170	655	2	2	**S47R17**	**DT71K4**
	3.0	1170	574	2	2	**S47R17**	**DT71K4**
	3.4	1170	506	2	2	**S47R17**	**DT71K4**
	3.9	1170	438	2	2	**S47R17**	**DT71K4**
	4.4	1170	388	2	2	**S47R17**	**DT71K4**
	5.1	1170	336	2	2	**S47R17**	**DT71K4**
	5.8	1170	294	2	2	**S47R17**	**DT71C4**
	6.6	1180	257	2	2	**S47R17**	**DT71D4**
	7.5	1170	229	2	2	**S47R17**	**DT71C4**
	8.5	1170	200	2	2	**S47R17**	**DT71D4**
	9.1	1170	187	2	2	**S47R17**	**DT71D4**
	10.0	1170	165	2	2	**S47R17**	**DT71D4**
	12.0	1170	148	2	2	**S47R17**	**DT71D4**
	13.0	1170	131	2	2	**S47R17**	**DT80K4**
2650	**0.54**	1590	3131	2	3	**S57R17**	**DT71K4**
	0.63	1590	2714	2	3	**S57R17**	**DT71K4**
	0.70	1590	2412	2	3	**S57R17**	**DT71K4**
	0.80	1590	2131	2	3	**S57R17**	**DT71K4**
	0.91	1590	1863	2	3	**S57R17**	**DT71K4**
	1.0	1590	1663	2	3	**S57R17**	**DT71K4**
	1.2	1590	1435	2	3	**S57R17**	**DT71K4**
	1.4	1590	1254	2	3	**S57R17**	**DT71K4**
	1.6	1590	1083	2	3	**S57R17**	**DT71K4**
	1.8	1590	965	2	2	**S57R17**	**DT71K4**
	2.0	1590	865	2	2	**S57R17**	**DT71K4**
	2.3	1590	750	2	2	**S57R17**	**DT71K4**

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Selections
Gearmotors - Extreme Slow Speed - Service Factor = 1.0

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
2650	**2.6**	1590	655	2	2	**S57R17**	**DT71K4**
	3.0	1590	574	2	2	**S57R17**	**DT71K4**
	3.4	1590	506	2	2	**S57R17**	**DT71C4**
	3.9	1590	438	2	2	**S57R17**	**DT71C4**
	4.4	1590	388	2	2	**S57R17**	**DT71C4**
	5.1	1590	336	2	2	**S57R17**	**DT71D4**
	5.8	1590	294	2	2	**S57R17**	**DT71D4**
	6.3	1590	269	2	2	**S57R17**	**DT71D4**
	7.4	1590	229	2	2	**S57R17**	**DT80K4**
	8.3	1590	204	2	2	**S57R17**	**DT80K4**
	9.1	1590	187	2	2	**S57R17**	**DT80K4**
	10.0	1590	165	2	2	**S57R17**	**DT80K4**
	13.0	1590	131	2	2	**S57R17**	**DT80N4**
2920	**0.13**	1530	12909	2	3	**S57R17**	**DT71K4**
	0.15	1530	11189	2	3	**S57R17**	**DT71K4**
	0.16	1530	10374	2	3	**S57R17**	**DT71K4**
	0.19	1530	8992	2	3	**S57R17**	**DT71K4**
	0.22	1530	7860	2	3	**S57R17**	**DT71K4**
	0.25	1530	6887	2	3	**S57R17**	**DT71K4**
	0.28	1530	6055	2	3	**S57R17**	**DT71K4**
	0.32	1530	5292	2	3	**S57R17**	**DT71K4**
	0.37	1530	4637	2	3	**S57R17**	**DT71K4**
	0.42	1530	4092	2	3	**S57R17**	**DT71K4**
	0.47	1530	3628	2	3	**S57R17**	**DT71K4**
5040	**0.08**	1840	21362	2	3	**S67R37**	**DT71K4**
	0.09	1840	19594	2	3	**S67R37**	**DT71K4**
	0.09	1840	18120	2	3	**S67R37**	**DT71K4**
	0.10	1840	16682	2	3	**S67R37**	**DT71K4**
	0.12	1840	14383	2	3	**S67R37**	**DT71K4**
	0.13	1840	12774	2	3	**S67R37**	**DT71K4**
	0.15	1840	11013	2	3	**S67R37**	**DT71K4**
	0.18	1840	9694	2	3	**S67R37**	**DT71K4**
	0.20	1840	8529	2	3	**S67R37**	**DT71K4**
	0.23	1840	7455	2	3	**S67R37**	**DT71K4**
	0.26	1840	6531	2	3	**S67R37**	**DT71K4**
	0.30	1840	5759	2	3	**S67R37**	**DT71K4**
	0.34	1840	4965	2	3	**S67R37**	**DT71K4**
	0.39	1840	4410	2	3	**S67R37**	**DT71K4**
	0.44	1840	3880	2	3	**S67R37**	**DT71K4**
	0.50	1840	3432	2	3	**S67R37**	**DT71K4**
	0.58	1840	2944	2	3	**S67R37**	**DT71K4**
	0.65	1840	2630	2	3	**S67R37**	**DT71K4**
	0.75	1840	2279	2	3	**S67R37**	**DT71K4**

NOTES: **Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.**
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See page 461 for index to S gearmotor dimension pages. Dimensions are on pages 462 - 489.
[1] Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
5040	**0.84**	1840	2014	2	3	**S67R37**	**DT71K4**
	0.97	1840	1772	2	3	**S67R37**	**DT71C4**
	1.1	1840	1559	2	3	**S67R37**	**DT71C4**
	1.3	1840	1363	2	3	**S67R37**	**DT71C4**
	1.4	1840	1194	2	3	**S67R37**	**DT71C4**
	1.6	1840	1045	2	3	**S67R37**	**DT71D4**
	1.9	1840	914	2	3	**S67R37**	**DT71D4**
	2.1	1840	809	2	2	**S67R37**	**DT71D4**
	2.4	1840	712	2	2	**S67R37**	**DT71D4**
	2.8	1840	615	2	2	**S67R37**	**DT71D4**
	3.1	1840	543	2	2	**S67R37**	**DT80K4**
	3.6	1840	469	2	2	**S67R37**	**DT80K4**
	4.0	1840	424	2	2	**S67R37**	**DT80K4**
	4.7	1840	365	2	2	**S67R37**	**DT80K4**
	5.3	1840	319	2	2	**S67R37**	**DT80N4**
	6.1	1840	281	2	2	**S67R37**	**DT80N4**
	6.9	1840	246	2	2	**S67R37**	**DT80N4**
	7.8	1840	221	2	2	**S67R37**	**DT90S4**
	8.7	1840	198	2	2	**S67R37**	**DT90S4**
	10.0	1840	168	2	2	**S67R37**	**DT90S4**
	11.0	1840	156	2	2	**S67R37**	**DT90S4**
11000	**0.62**	2690	2753	2	3	**S77R37**	**DT71C4**
	0.72	2690	2374	2	3	**S77R37**	**DT71C4**
	0.83	2690	2083	2	3	**S77R37**	**DT71C4**
	0.94	2690	1813	2	3	**S77R37**	**DT71D4**
	0.97	2690	1745	2	3	**S77R37**	**DT71D4**
	1.1	2690	1600	2	3	**S77R37**	**DT71D4**
	1.2	2690	1404	2	3	**S77R37**	**DT71D4**
	1.4	2690	1245	2	3	**S77R37**	**DT71D4**
	1.5	2690	1100	2	2	**S77R37**	**DT80K4**
	1.8	2690	954	2	2	**S77R37**	**DT80K4**
	2.0	2690	837	2	2	**S77R37**	**DT80K4**
	2.4	2690	714	2	2	**S77R37**	**DT80K4**
	2.7	2690	637	2	2	**S77R37**	**DT80N4**
	3.0	2690	574	2	2	**S77R37**	**DT80N4**
	3.4	2690	499	2	2	**S77R37**	**DT80N4**
	3.9	2690	438	2	2	**S77R37**	**DT90S4**
	4.4	2690	389	2	2	**S77R37**	**DT90S4**
	5.2	2690	327	2	2	**S77R37**	**DT90S4**
	5.9	2690	289	2	2	**S77R37**	**DT90L4**
	6.9	2690	250	2	2	**S77R37**	**DT90L4**
	7.8	2690	219	2	2	**S77R37**	**DT90L4**

NOTES: **Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.**
See page 424 for available mounting options. See page 498 for weights.
Overhung loads (OHL) apply only for S and SF gearmotors and are at shaft midpoint.
See page 461 for index to S gearmotor dimension pages. Dimensions are on pages 462 - 489.
1) Pri. = primary reducer Sec. = secondary reducer.

Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
11200	**0.07**	2630	25493	2	3	**S77R37**	**DT71K4**
	0.08	2630	21787	2	3	**S77R37**	**DT71K4**
	0.09	2630	19907	2	3	**S77R37**	**DT71K4**
	0.10	2630	17013	2	3	**S77R37**	**DT71K4**
	0.12	2630	14668	2	3	**S77R37**	**DT71K4**
	0.13	2630	13110	2	3	**S77R37**	**DT71K4**
	0.15	2630	11569	2	3	**S77R37**	**DT71K4**
	0.17	2630	9887	2	3	**S77R37**	**DT71K4**
	0.19	2630	8817	2	3	**S77R37**	**DT71K4**
	0.22	2630	7735	2	3	**S77R37**	**DT71C4**
	0.26	2630	6735	2	3	**S77R37**	**DT71C4**
	0.29	2630	5943	2	3	**S77R37**	**DT71C4**
	0.33	2630	5214	2	3	**S77R37**	**DT71C4**
	0.37	2630	4618	2	3	**S77R37**	**DT71C4**
	0.43	2630	3992	2	3	**S77R37**	**DT71D4**
	0.48	2630	3540	2	3	**S77R37**	**DT71D4**
	0.55	2630	3098	2	3	**S77R37**	**DT71D4**
17500	**6.7**	6390	255	2	2	**S87R57**	**DT100LS4**
	7.6	6390	222	2	2	**S87R57**	**DT100L4**
	8.2	6390	205	2	2	**S87R57**	**DT100L4**
21200	**5.2**	6230	323	2	2	**S87R57**	**DT100L4**
	6.0	6230	281	2	2	**S87R57**	**DT100L4**
21700	**4.0**	6200	435	2	2	**S87R57**	**DT100LS4**
	4.6	6200	378	2	2	**S87R57**	**DT100LS4**
22100	**0.07**	6180	25987	2	3	**S87R57**	**DT71K4**
	0.07	6180	23940	2	3	**S87R57**	**DT71K4**
	0.08	6180	20568	2	3	**S87R57**	**DT71K4**
	0.09	6180	18265	2	3	**S87R57**	**DT71K4**
	0.10	6180	16774	2	3	**S87R57**	**DT71K4**
	0.11	6180	14820	2	3	**S87R57**	**DT71K4**
	0.13	6180	13160	2	3	**S87R57**	**DT71K4**
	0.15	6180	11200	2	3	**S87R57**	**DT71K4**
	0.17	6180	9904	2	3	**S87R57**	**DT71K4**
	0.20	6180	8549	2	3	**S87R57**	**DT71K4**
	0.22	6180	7643	2	3	**S87R57**	**DT71K4**
	0.26	6180	6706	2	3	**S87R57**	**DT71C4**
	0.29	6180	5875	2	3	**S87R57**	**DT71C4**
	0.33	6180	5187	2	3	**S87R57**	**DT71C4**
	0.37	6180	4606	2	3	**S87R57**	**DT71D4**
	0.44	6180	3872	2	3	**S87R57**	**DT71D4**
	0.49	6180	3475	2	2	**S87R57**	**DT71D4**
	0.59	6180	2905	2	2	**S87R57**	**DT71D4**

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Overhung loads (OHL) apply only for S and SF gearmotors and are at shaft midpoint.
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Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear 1) Pri.	Gear 1) Sec.	Model Gear	Model Motor
22100	**0.66**	6180	2586	2	2	**S87R57**	**DT80K4**
	0.73	6180	2335	2	2	**S87R57**	**DT80K4**
	0.83	6180	2054	2	2	**S87R57**	**DT80K4**
	0.93	6180	1824	2	2	**S87R57**	**DT80N4**
	1.0	6180	1631	2	2	**S87R57**	**DT80N4**
	1.3	6180	1332	2	2	**S87R57**	**DT90S4**
	1.4	6180	1191	2	2	**S87R57**	**DT90S4**
	1.7	6180	1032	2	2	**S87R57**	**DT90S4**
	1.9	6180	930	2	2	**S87R57**	**DT90S4**
	2.1	6180	831	2	2	**S87R57**	**DT90L4**
	2.4	6180	719	2	2	**S87R57**	**DT90L4**
	2.8	6180	624	2	2	**S87R57**	**DT90L4**
	3.1	6180	558	2	2	**S87R57**	**DT100LS4**
	3.5	6180	485	2	2	**S87R57**	**DT100LS4**
37200	**0.05**	7360	33818	2	3	**S97R57**	**DT71K4**
	0.05	7360	31154	2	3	**S97R57**	**DT71K4**
	0.06	7360	27847	2	3	**S97R57**	**DT71K4**
	0.07	7360	24641	2	3	**S97R57**	**DT71K4**
	0.08	7360	21537	2	3	**S97R57**	**DT71K4**
	0.09	7360	18749	2	3	**S97R57**	**DT71K4**
	0.10	7360	16233	2	3	**S97R57**	**DT71K4**
	0.12	7360	14576	2	3	**S97R57**	**DT71K4**
	0.13	7360	12752	2	3	**S97R57**	**DT71K4**
	0.15	7360	11267	2	3	**S97R57**	**DT71C4**
	0.17	7360	10078	2	3	**S97R57**	**DT71C4**
	0.20	7360	8608	2	3	**S97R57**	**DT71C4**
	0.23	7360	7554	2	3	**S97R57**	**DT71D4**
	0.26	6870	6640	2	3	**S97R57**	**DT71K4**
	0.30	6870	5780	2	3	**S97R57**	**DT71C4**
	0.35	6870	4937	2	3	**S97R57**	**DT71C4**
	0.38	6870	4444	2	3	**S97R57**	**DT71D4**
	0.42	6870	4017	2	3	**S97R57**	**DT71D4**
	0.49	6870	3453	2	3	**S97R57**	**DT71D4**
	0.55	6870	3108	2	3	**S97R57**	**DT80K4**
	0.64	6870	2654	2	3	**S97R57**	**DT80K4**
	0.73	6870	2329	2	3	**S97R57**	**DT80K4**
	0.82	6870	2081	2	3	**S97R57**	**DT80N4**
	0.91	6870	1860	2	3	**S97R57**	**DT80N4**
	1.1	6870	1574	2	3	**S97R57**	**DT80N4**
	1.2	6870	1394	2	2	**S97R57**	**DT90S4**
	1.4	6870	1223	2	2	**S97R57**	**DT90S4**
	1.6	6870	1070	2	2	**S97R57**	**DT90S4**
	1.9	6870	928	2	2	**S97R57**	**DT90L4**
	2.1	6870	824	2	2	**S97R57**	**DT90L4**

NOTES: **Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.**
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Selections
Gearmotors - Extreme Slow Speed - Service Factor = 1.0

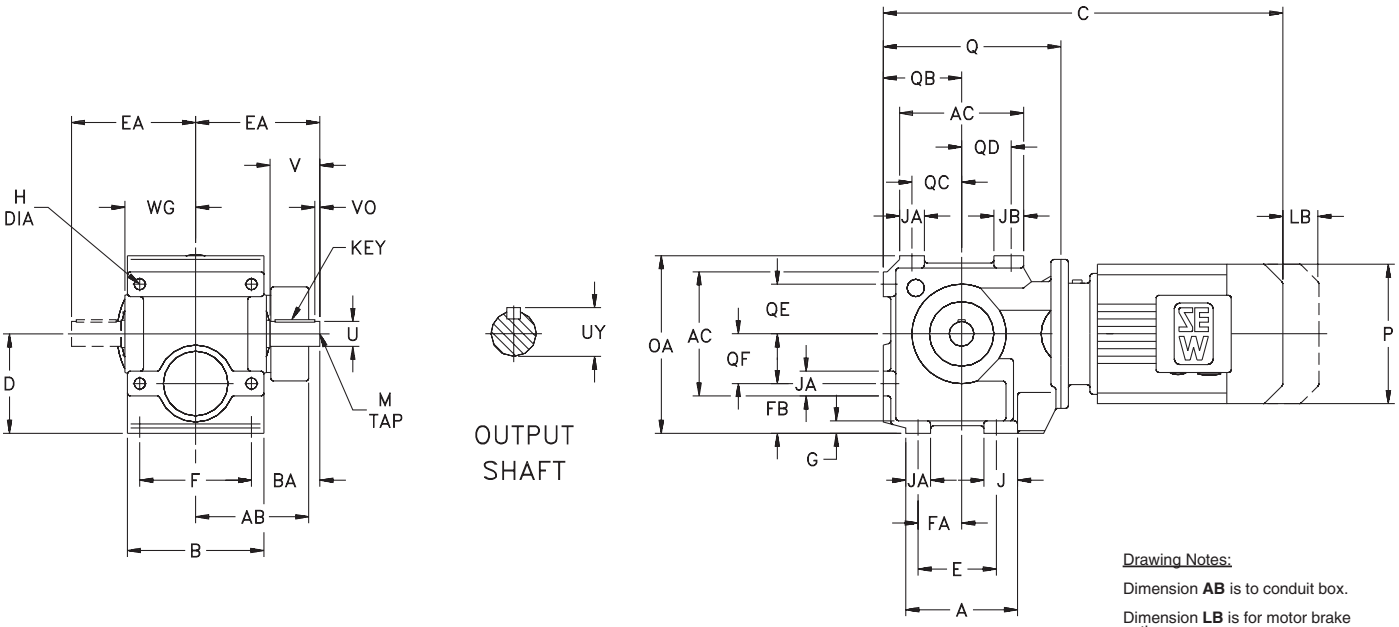
Torque T_a lb-in	OutputSpeed n_a rpm	OHL F_{Ra} lb	Ratio i	Gear [1] Pri.	Gear [1] Sec.	Model Gear	Model Motor
37200	**2.4**	7360	714	2	2	**S97R57**	**DT100LS4**
	2.8	6890	626	2	2	**S97R57**	**DT100LS4**
	3.2	6910	538	2	2	**S97R57**	**DT100LS4**
	3.5	6920	484	2	2	**S97R57**	**DT100L4**
	4.0	6930	420	2	2	**S97R57**	**DT100L4**
	4.5	6940	376	2	2	**S97R57**	**DT100L4**
	5.1	6950	327	2	2	**S97R57**	**DT100L4**
	5.8	6970	287	2	2	**S97R57**	**DT100L4**
	6.9	6980	252	2	2	**S97R57**	**DV132S4**
	7.9	6990	219	2	2	**S97R57**	**DV132S4**
	8.4	7000	205	2	2	**S97R57**	**DV132S4**

NOTES: **Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.**
See page 424 for available mounting options. See page 498 for weights.
Overhung loads (OHL) apply only for S and SF gearmotors and are at shaft midpoint.
See page 461 for index to S gearmotor dimension pages. Dimensions are on pages 462 - 489.
[1] Pri. = primary reducer Sec. = secondary reducer.

Helical Worm Gear Units

SEW EURODRIVE

Dimensions
Type S Gearmotors - Foot Mounted



Gearcase

Model	A	AC	B	BA	D *	E	EA	F	FA	FB	G	H	J	JA	JB	OA
S37	3.54 90	3.94 100	4.33 110	2.17 55	3.15 80	2.48 63	3.94 100	3.54 90	1.38 35	1.57 40	0.39 10	0.35 9	1.06 27	0.79 20	0.94 24	5.63 143

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	Q	QB	QC	QD	QE	QF	WG
S37	5.63 143	2.48 63	1.57 40	1.57 40	1.57 40	1.57 40	2.24 57

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
S37	0.750 *20*	0.83 *22.5*	1.57 *40*	0.25 *4*	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{1}/_{16}$ *6 x 6 x 32*	$^{1}/_{4}$–20 × 0.63 *M6 x 16*

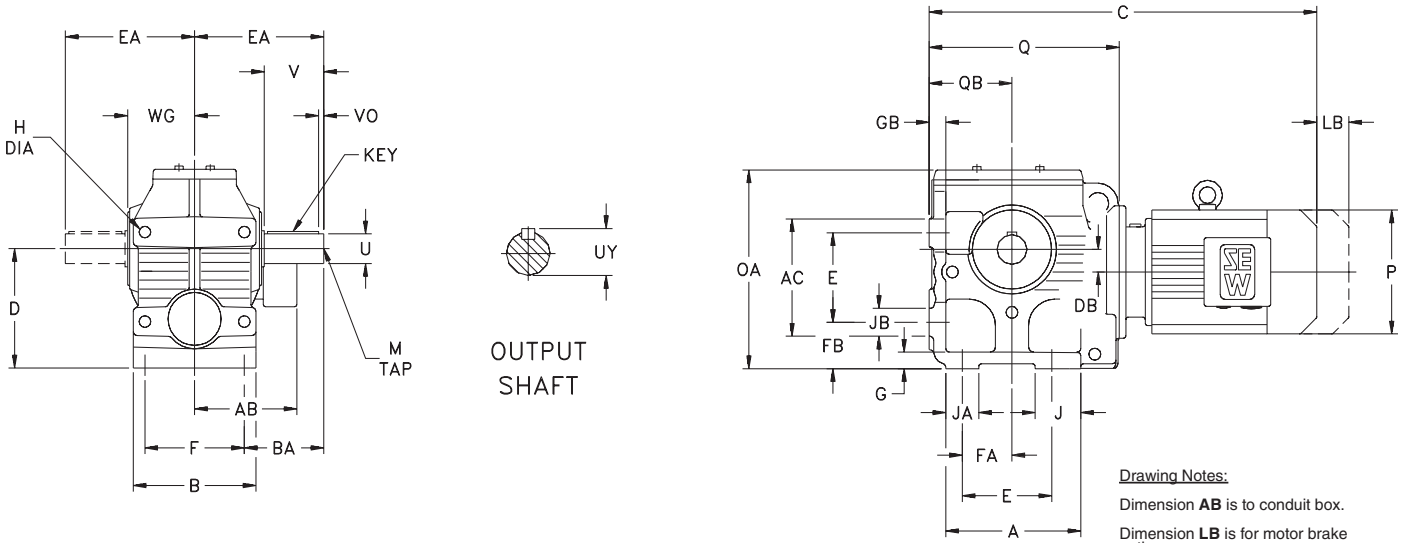
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90
S37	AB	5.43 138	5.43 138	6.73 171
	LB	2.52 64	2.52 64	3.35 85
	P	5.71 145	5.71 145	7.76 197
	C	13.70 348	15.67 398	16.46 418

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 494 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	A	AC	B	BA	D *	DB	E	EA	F	FA	FB	G	GB	H	J	JA
S47	4.41 112	4.13 105	4.72 120	2.56 65	3.94 100	0.31 8	3.15 80	4.53 115	3.94 100	1.38 35	1.38 35	0.59 15	0.47 12	0.43 11	1.18 30	1.18 30
S57	5.12 130	5.12 130	5.35 136	3.11 79	4.41 112	0.79 20	3.94 100	5.28 134	4.33 110	1.77 45	1.38 35	0.59 15	0.47 12	0.43 11	1.18 30	1.18 30
S67	6.89 175	6.69 170	6.30 160	3.74 95	5.51 140	0.87 22	5.12 130	6.30 160	5.12 130	2.36 60	1.57 40	0.71 18	0.59 15	0.53 13.5	1.77 45	1.77 45

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	JB	OA	Q	QB	WG
S47	0.98 25	6.50 165	6.73 171	2.95 75	2.36 60
S57	1.18 30	7.44 189	7.36 187	3.15 80	2.80 71
S67	1.57 40	9.29 236	9.49 241	4.17 106	3.37 85.5

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.000 *25*	1.11 *28*	1.97 *50*	0.32 *5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{5}/_{16}$ *8 x 7 x 40*	$^{3}/_{8}$–16 × 0.87 *M10 x 22*
1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 50*	$^{1}/_{2}$–13 × 1.12 *M10 x 22*
1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^{1}/_{2}$–13 × 1.12 *M12 x 28*

*** Note: See page 33 for applicable tolerances.**

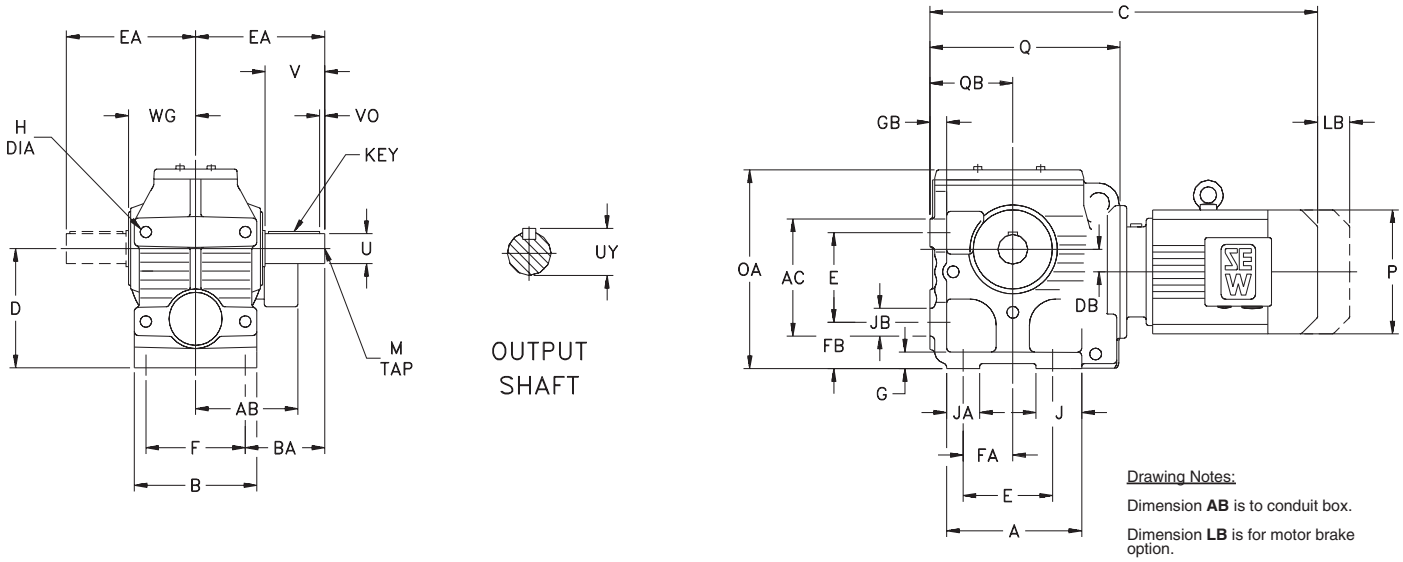
Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
S47	**C**	14.80 376	16.77 426	17.56 446	19.65 499	— —	— —	— —
S57	**C**	15.43 392	17.40 442	18.19 462	20.28 515	— —	— —	— —
S67	**C**	17.32 440	19.29 490	20.08 510	22.05 560	23.43 595	25.31 643	26.18 665

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 494 for available output shaft sizes.

Dimensions
Type S Gearmotors - Foot Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	A	AC	B	BA	D *	DB	E	EA	F	FA	FB	G	GB	H	J	JA
S77	8.03 204	6.97 177	7.28 185	4.72 120	7.09 180	1.34 34	5.31 135	7.68 195	5.91 150	2.95 75	2.76 70	0.98 25	0.98 25	0.69 17.5	2.72 69	1.97 50
S87	9.72 247	9.06 230	9.84 250	6.10 155	8.86 225	1.48 37.5	7.09 180	10.04 255	7.87 200	3.62 92	3.23 82	1.18 30	1.18 30	0.87 22	2.64 67	2.36 60
S97	12.60 320	11.61 295	11.81 300	6.69 170	11.02 280	2.05 52	9.25 235	11.61 295	9.84 250	4.53 115	3.54 90	1.38 35	1.38 35	1.02 26	3.35 85	3.15 80

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	JB	OA	Q	QB	WG
S77	1.65 42	11.85 301	11.30 287	4.92 125	3.98 101
S87	1.97 50	14.49 368	13.39 340	5.91 150	5.12 130
S97	2.36 60	17.91 455	16.54 420	7.09 180	5.91 150

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.750 *45*	1.92 *48.5*	3.54 *90*	0.38 *5*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{3}/_{4}$ *14 x 9 x 80*	$^{5}/_{8}$–11 × 1.38 *M16 x 36*
2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{5}/_{8}$ *18 x 11 x 110*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*
2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	$^{3}/_{4} \times {}^{3}/_{4} \times 4^{1}/_{8}$ *20 x 12 x 125*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*

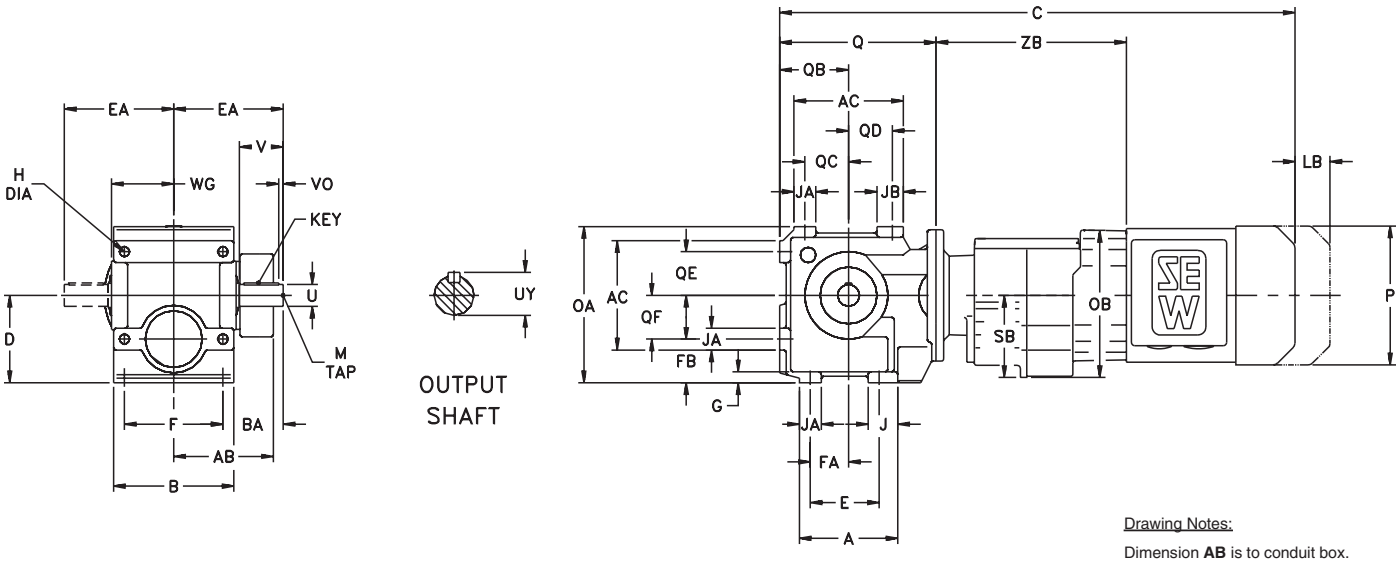
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M	DV 132ML	DV 160M	DV 160L	DV 180	DV 200
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268	11.81 300
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331	15.51 394
S77	**C**	18.90 480	20.87 530	21.57 548	23.54 598	24.96 634	26.73 679	27.52 699	29.88 759	29.88 759	— —	— —	— —
S87	**C**	— —	22.76 578	23.50 597	25.47 647	26.85 682	28.62 727	29.41 747	31.77 807	31.77 807	33.66 855	36.46 926	— —
S97	**C**	— —	25.63 651	26.42 671	28.43 722	29.80 757	31.57 802	32.36 822	34.72 882	34.72 882	36.61 930	39.45 1002	41.30 1049

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 494 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Gearcase

Model	A	AC	B	BA	D *	E	EA	F	FA	FB	G	H	J	JA	JB	OA
S37R17	3.54 90	3.94 100	4.33 110	2.17 55	3.15 80	2.48 63	3.94 100	3.54 90	1.38 35	1.57 40	0.39 10	0.35 9	1.06 27	0.79 20	0.94 24	5.63 143

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	OB	Q	QB	QC	QD	QE	QF	SB	WG	ZB
S37R17	5.31 135	5.63 143	2.48 63	1.57 40	1.57 40	1.57 40	1.57 40	2.99 76	2.24 57	6.89 175

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
S37R17	0.750 *20*	0.83 *22.5*	1.57 *40*	0.25 *4*	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{1}/_{16}$ *6 x 6 x 32*	$^{1}/_{4}$–20 × 0.63 *M6 x 16*

*** Note: See page 33 for applicable tolerances.**

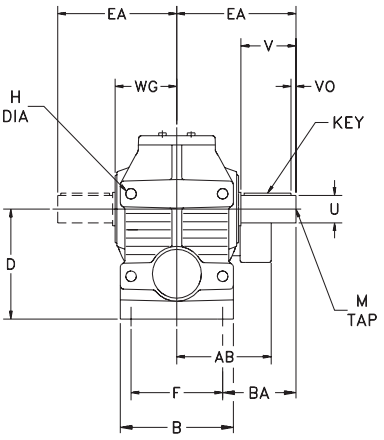
Motor

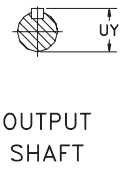
Model		DT 71	DT 80
S37R17	**AB**	5.43 138	5.43 138
	LB	2.52 64	2.52 64
	P	5.71 145	5.71 145
	C	18.98 482	20.94 532

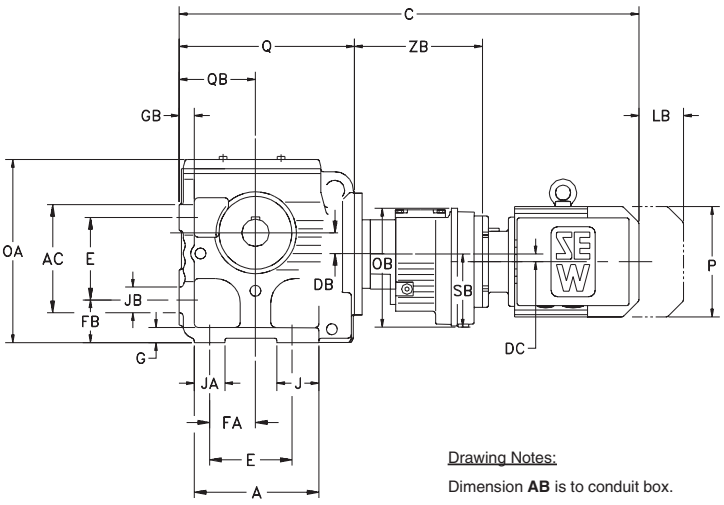
Dimensions are inch / mm

See page 494 for available output shaft sizes.

Dimensions
Type S Gearmotors - Foot Mounted







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	A	AC	B	BA	D *	DB	DC	E	EA	F	FA	FB	G	GB	H	J
S47R17	4.41 112	4.13 105	4.72 120	2.56 65	3.94 100	0.31 8	0.00 0	3.15 80	4.53 115	3.94 100	1.38 35	1.38 35	0.59 15	0.47 12	0.43 11	1.18 30
S57R17	5.12 130	5.12 130	5.35 136	3.11 79	4.41 112	0.79 20	0.00 0	3.94 100	5.28 134	4.33 110	1.77 45	1.38 35	0.59 15	0.47 12	0.43 11	1.18 30
S67R37	6.89 175	6.69 170	6.30 160	3.74 95	5.51 140	0.87 22	0.40 10.1	5.12 130	6.30 160	5.12 130	2.36 60	1.57 40	0.71 18	0.59 15	0.53 13.5	1.77 45

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	JA	JB	OA	OB	Q	QB	SB	WG	ZB
S47R17	1.18 30	0.98 25	6.50 165	5.31 135	6.73 171	2.95 75	2.99 76	2.36 60	6.89 175
S57R17	1.18 30	1.18 30	7.44 189	5.31 135	7.36 187	3.15 80	2.99 76	2.80 71	6.89 175
S67R37	1.77 45	1.57 40	9.29 236	6.10 155	9.49 241	4.17 106	3.70 94	3.37 85.5	6.50 165

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.000 *25*	1.11 *28*	1.97 *50*	0.32 *5*	$^1/_4 \times {}^1/_4 \times 1^5/_{16}$ *8 x 7 x 40*	$^3/_8$–16 × 0.87 *M10 x 22*
1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^1/_4 \times {}^1/_4 \times 1^{11}/_{16}$ *8 x 7 x 50*	$^1/_2$–13 × 1.12 *M10 x 22*
1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^5/_{16} \times {}^5/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^1/_2$–13 × 1.12 *M12 x 28*

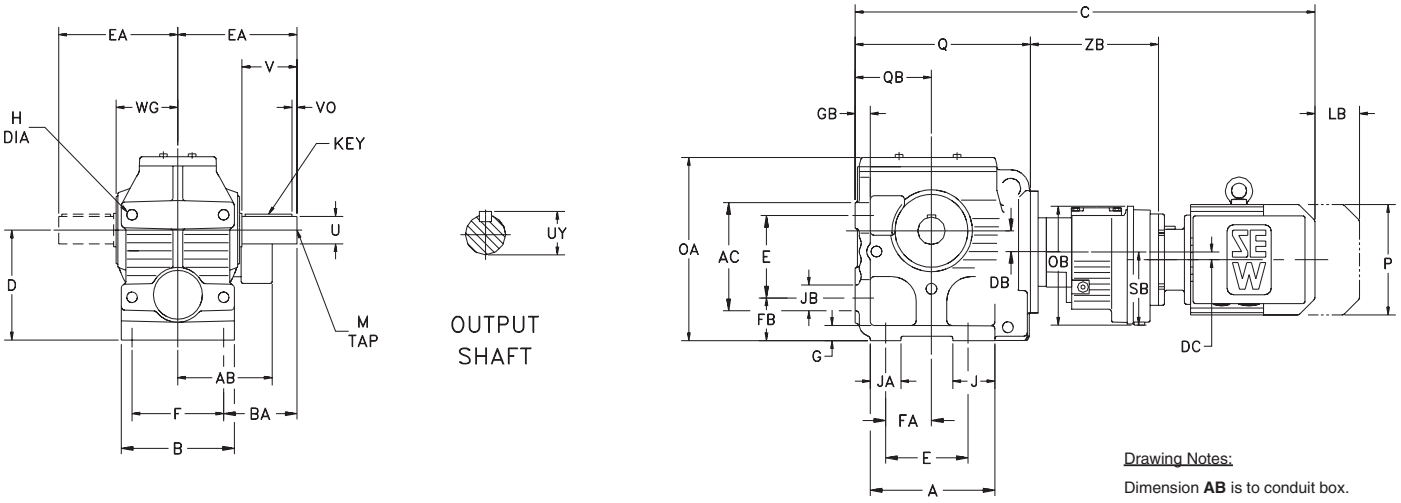
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT			
		71	**80**	**90**	**100**
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
S47R17	**C**	20.08 510	22.05 560	— —	— —
S57R17	**C**	20.71 526	22.68 576	— —	— —
S67R37	**C**	24.06 611	26.02 661	26.81 681	28.90 734

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 494 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and are removable.

Gearcase

Model	A	AC	B	BA	D *	DB	DC	E	EA	F	FA	FB	G	GB	H	J
S77R37	8.03 204	6.97 177	7.28 185	4.72 120	7.09 180	1.34 34	0.40 10.1	5.31 135	7.68 195	5.91 150	2.95 75	2.76 70	0.98 25	0.98 25	0.69 17.5	2.72 69
S87R57	9.72 247	9.06 230	9.84 250	6.10 155	8.86 225	1.48 37.5	0.44 11.2	7.09 180	10.04 255	7.87 200	3.62 92	3.23 82	1.18 30	1.18 30	0.87 22	2.64 67
S97R57	12.60 320	11.61 295	11.81 300	6.69 170	11.02 280	2.05 52	0.44 11.2	9.25 235	11.61 295	9.84 250	4.53 115	3.54 90	1.38 35	1.38 35	1.02 26	3.35 85

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	JA	JB	OA	OB	Q	QB	SB	WG	ZB
S77R37	1.97 50	1.65 42	11.85 301	6.10 155	11.30 287	4.92 125	3.70 94	3.98 101	6.18 157
S87R57	2.36 60	1.97 50	14.49 368	7.60 193	13.39 340	5.91 150	4.76 121	5.12 130	8.50 216
S97R57	3.15 80	2.36 60	17.91 455	7.60 193	16.54 420	7.09 180	4.76 121	5.91 150	8.31 211

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
1.750 *45*	1.92 *48.5*	3.54 *90*	0.38 *5*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{3}/_{4}$ *14 x 9 x 80*	$^{5}/_{8}$–11 × 1.38 *M16 x 36*
2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{5}/_{8}$ *18 x 11 x 110*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*
2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	$^{3}/_{4} \times {}^{3}/_{4} \times 4^{1}/_{8}$ *20 x 12 x 125*	$^{3}/_{4}$–10 × 1.61 *M20 x 42*

*** Note: See page 33 for applicable tolerances.**

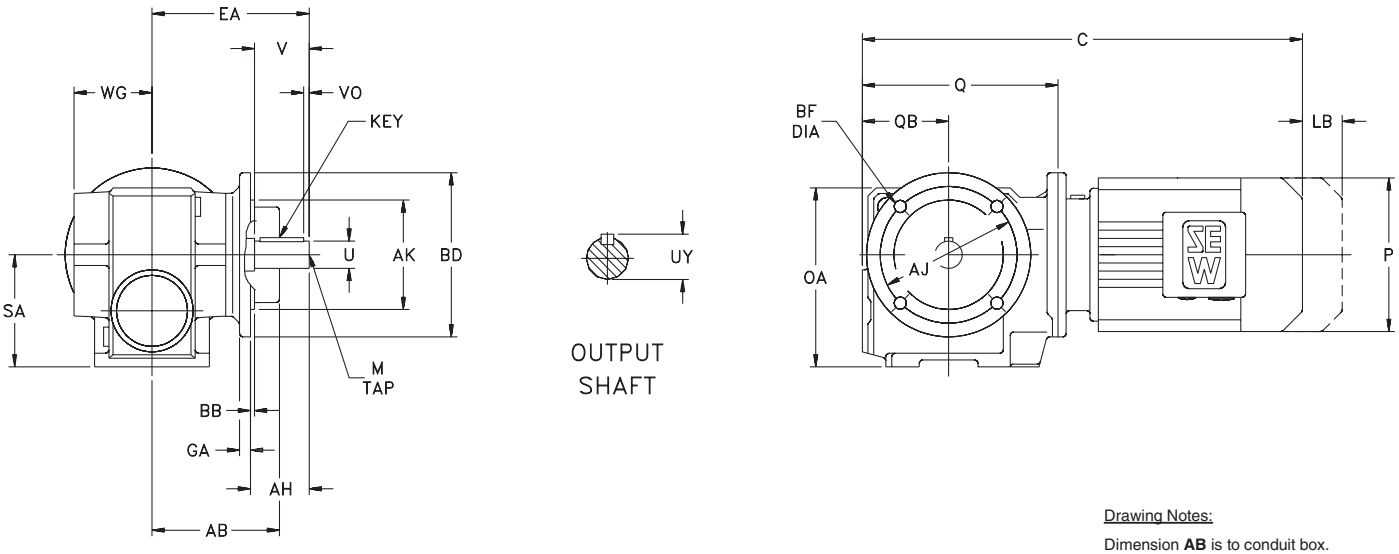
Motor

Model		DT				DV		
		71	80	90	100	112M	132S	132M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
S77R37	**C**	25.55 649	27.52 699	28.31 719	30.39 772	— —	— —	— —
S87R57	**C**	29.72 755	31.69 805	32.48 825	34.45 875	35.83 910	37.72 958	38.58 980
S97R57	**C**	32.68 830	34.65 880	35.43 900	37.40 950	38.78 985	40.67 1033	41.54 1055

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 494 for available output shaft sizes.

Dimensions
Type SF Gearmotors - Flange Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Gearcase

Model	EA	OA	Q	QB	SA	WG
SF37	4.53 115	5.16 131	5.63 143	2.48 63	3.23 82	2.24 57

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
0.750 *20*	0.83 *22.5*	1.57 *40*	0.25 *4*	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{1}/_{16}$ *6 x 6 x 32*	$^{1}/_{4}$–20 × 0.63 *M6 x 16*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
SF37	**Option 1**	1.57 40	3.94 100	3.150 80	0.12 3	4.72 120	0.26 6.6	0.31 8
	Option 2	1.57 40	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10

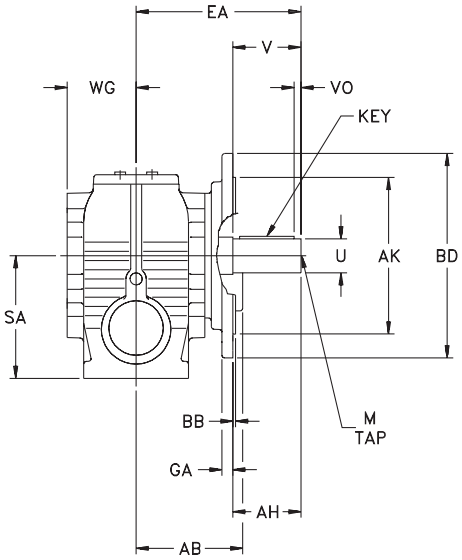
*** Note: See page 33 for applicable tolerances.**

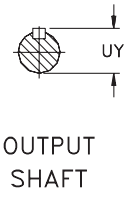
Motor

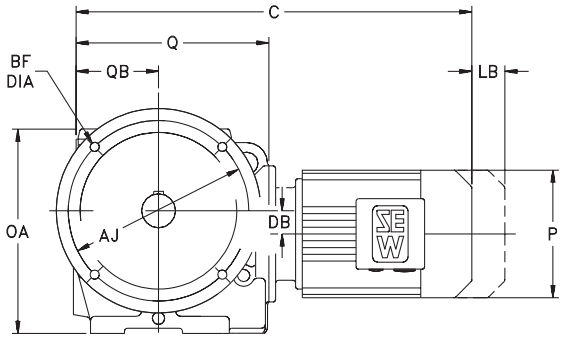
Model		DT 71	DT 80	DT 90
	AB	5.43 138	5.43 138	6.73 171
	LB	2.52 64	2.52 64	3.35 85
	P	5.71 145	5.71 145	7.76 197
SF37	**C**	13.70 348	15.67 398	16.46 418

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 494 for available output shaft sizes.







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
SF47	0.31	5.26	7.05	6.73	2.95	3.94	2.26
	8	133.5	179	171	75	100	57.5
SF57	0.79	6.30	7.44	7.36	3.15	4.41	2.83
	20	160	189	187	80	112	72
SF67	0.87	7.48	9.29	9.49	4.17	5.51	3.17
	22	190	236	241	106	140	80.5

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
SF47	1.000 *25*	1.11 *28*	1.97 *50*	0.32 *5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{5}/_{16}$ *8 x 7 x 40*	$^{3}/_{8}$–16 × 0.87 *M10 x 22*
SF57	1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 50*	$^{1}/_{2}$–13 × 1.12 *M10 x 22*
SF67	1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^{1}/_{2}$–13 × 1.12 *M12 x 28*

*** Note: See page 33 for applicable tolerances.**

Flange

AH	AJ	AK *	BB	BD	BF	GA
1.95 49.5	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
2.36 60	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
2.76 70	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12

*** Note: See page 33 for applicable tolerances.**

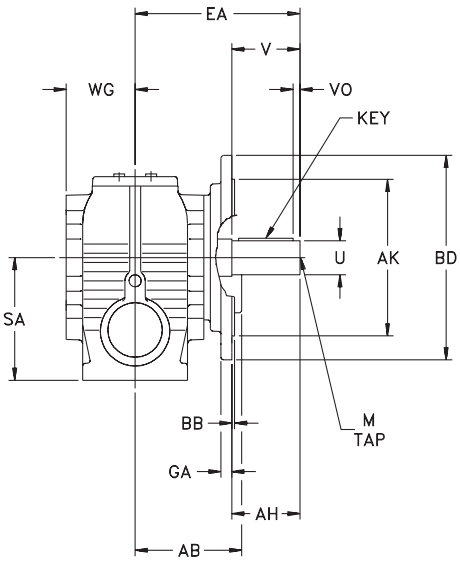
Motor

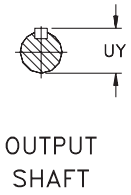
Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
SF47	**C**	14.80 376	16.77 426	17.56 446	19.65 499	— —	— —	— —
SF57	**C**	15.43 392	17.40 442	18.19 462	20.28 515	— —	— —	— —
SF67	**C**	17.32 440	19.29 490	20.08 510	22.05 560	23.43 595	25.31 643	26.18 665

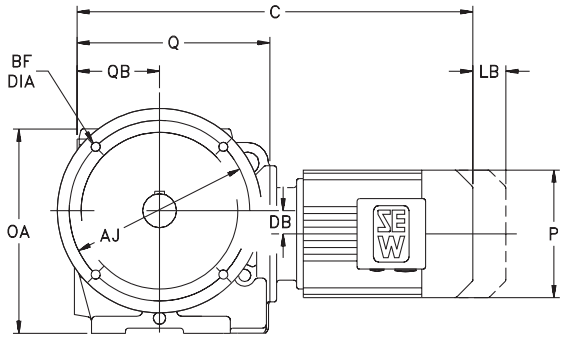
Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 494 for available output shaft sizes.

Dimensions
Type SF Gearmotors - Flange Mounted







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
SF77	1.34	9.13	11.85	11.30	4.92	7.09	4.76
	34	232	301	287	125	180	121
SF87	1.48	11.42	14.49	13.39	5.91	8.86	5.71
	37.5	290	368	340	150	225	145

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
SF77	1.750	1.92	3.54	0.38	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{3}/_{4}$	$^{5}/_{8}$–11 × 1.38
	45	*48.5*	*90*	*5*	*14 x 9 x 80*	*M16 x 36*
SF87	2.375	2.65	4.72	0.51	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{5}/_{8}$	$^{3}/_{4}$–10 × 1.61
	60	*64*	*120*	*5*	*18 x 11 x 110*	*M20 x 42*

*** Note: See page 33 for applicable tolerances.**

Flange

AH	AJ	AK *	BB	BD	BF	GA
3.54	8.46	7.087	0.16	9.84	0.53	0.59
90	215	180	4	250	13.5	15
4.72	11.81	9.843	0.20	13.78	0.69	0.71
120	300	250	5	350	17.5	18

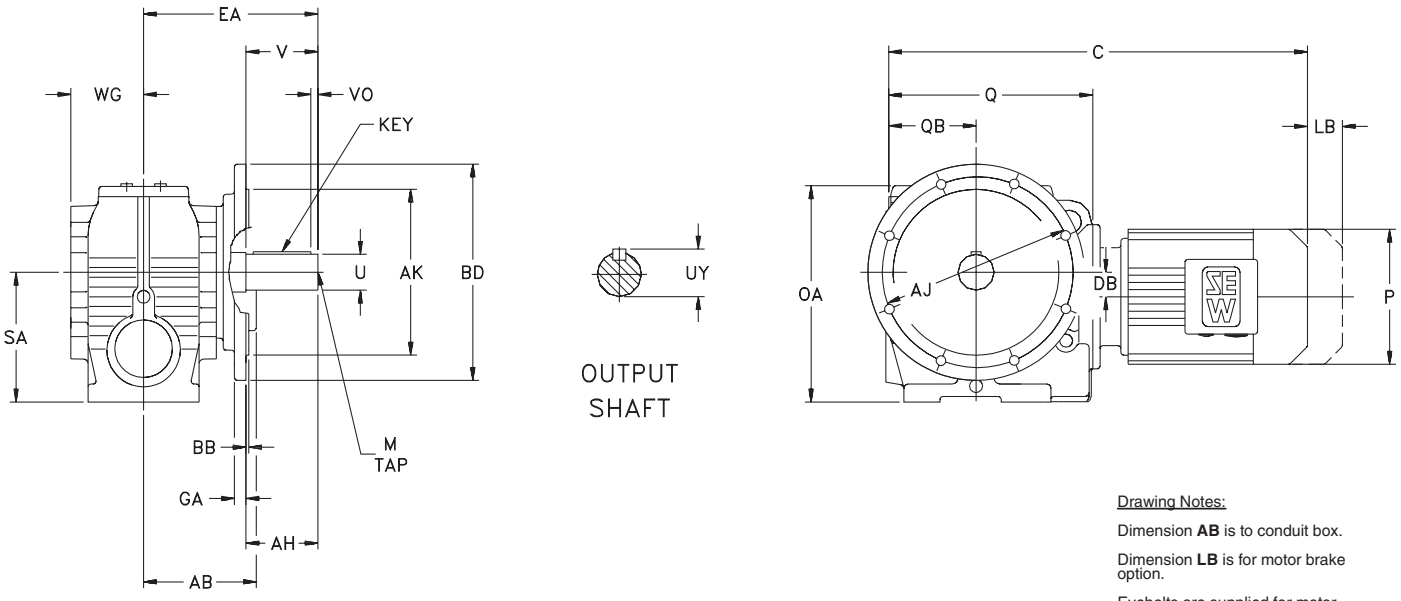
*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT				DV						
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**
	AB	5.43	5.43	6.73	6.89	7.40	7.40	9.13	9.13	9.13	10.04	10.55
		138	138	171	175	188	188	232	232	232	255	268
	LB	2.52	2.52	3.35	3.35	3.15	3.15	4.41	4.41	4.41	6.14	6.14
		64	64	85	85	80	80	112	112	112	156	156
	P	5.71	5.71	7.76	7.76	8.70	8.70	10.83	10.83	10.83	13.03	13.03
		145	145	197	197	221	221	275	275	275	331	331
SF77	**C**	18.90	20.87	21.57	23.54	24.96	26.73	27.52	29.88	29.88	—	—
		480	530	548	598	634	679	699	759	759	—	—
SF87	**C**	—	22.76	23.50	25.47	26.85	28.62	29.41	31.77	31.77	33.66	36.46
		—	578	597	647	682	727	747	807	807	855	926

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 494 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
SF97	2.05	13.39	17.91	16.54	7.09	11.02	6.50
	52	340	455	420	180	280	165

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
SF97	2.875	3.20	5.51	0.67	$^3/_4 \times ^3/_4 \times 4^1/_8$	$^3/_4$–10 × 1.61
	70	*74.5*	*140*	*7.5*	*20 x 12 x 125*	*M20 x 42*

*** Note: See page 33 for applicable tolerances.**

Flange

AH	AJ	AK *	BB	BD	BF	GA
5.51	15.75	13.780	0.20	17.72	0.69	0.87
140	400	350	5	450	17.5	22

*** Note: See page 33 for applicable tolerances.**

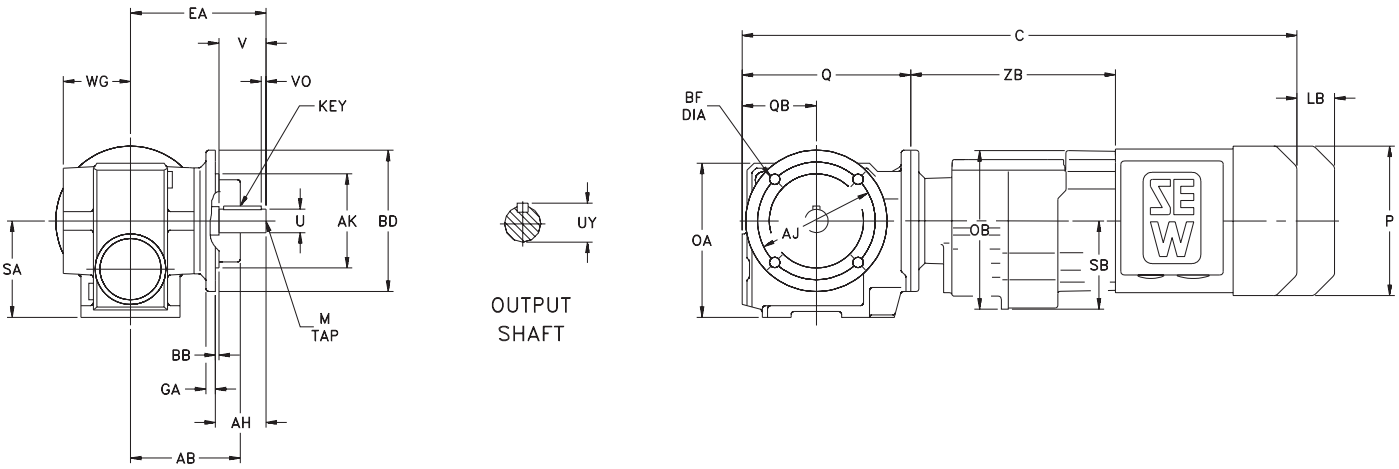
Motor

Model		DT			DV							
		80	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**	**200**
	AB	5.43	6.73	6.89	7.40	7.40	9.13	9.13	9.13	10.04	10.55	11.81
		138	171	175	188	188	232	232	232	255	268	300
	LB	2.52	3.35	3.35	3.15	3.15	4.41	4.41	4.41	6.14	6.14	6.14
		64	85	85	80	80	112	112	112	156	156	156
	P	5.71	7.76	7.76	8.70	8.70	10.83	10.83	10.83	13.03	13.03	15.51
		145	197	197	221	221	275	275	275	331	331	394
SF97	**C**	25.63	26.42	28.43	29.80	31.57	32.36	34.72	34.72	36.61	39.45	41.30
		651	671	722	757	802	822	882	882	930	1002	1049

Dimensions are inch / mm

See page 494 for available output shaft sizes.

Dimensions
Type SF Gearmotors - Flange Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Gearcase

Model	EA	OA	OB	Q	QB	SA	SB	WG	ZB
SF37R17	4.53	5.16	5.31	5.63	2.48	3.23	2.99	2.24	6.89
	115	131	135	143	63	82	76	57	175

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
SF37R17	0.750	0.83	1.57	0.25	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{1}/_{16}$	$^{1}/_{4}$–20 × 0.63
	20	*22.5*	*40*	*4*	*6 x 6 x 32*	*M6 x 16*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
SF37R17	**Option 1**	1.57 40	3.94 100	3.150 80	0.12 3	4.72 120	0.26 6.6	0.31 8
	Option 2	1.57 40	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10

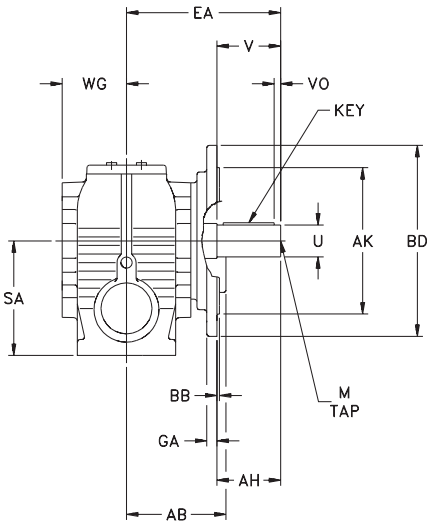
*** Note: See page 33 for applicable tolerances.**

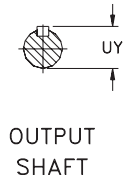
Dimensions are $\frac{\text{inch}}{\text{mm}}$

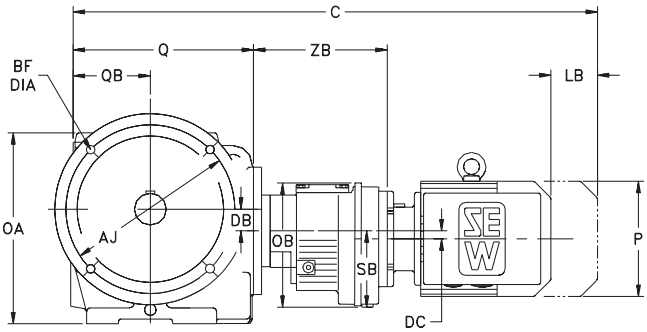
See page 494 for available output shaft sizes.

Motor

Model		DT	
		71	**80**
	AB	5.43 138	5.43 138
	LB	2.52 64	2.52 64
	P	5.71 145	5.71 145
SF37R17	**C**	18.98 482	20.94 532







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
SF47R17	0.31	0.00	5.26	7.05	5.31	6.73	2.95	3.94	2.99	2.26	6.89
	8	0	133.5	179	135	171	75	100	76	57.5	175
SF57R17	0.79	0.00	6.30	7.44	5.31	7.36	3.15	4.41	2.99	2.83	6.89
	20	0	160	189	135	187	80	112	76	72	175
SF67R37	0.87	0.40	7.48	9.29	6.10	9.49	4.17	5.51	3.70	3.17	6.50
	22	10.1	190	236	155	241	106	140	94	80.5	165

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
SF47R17	1.000 *25*	1.11 *28*	1.97 *50*	0.32 *5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{5}/_{16}$ *8 x 7 x 40*	$^{3}/_{8}$–16 × 0.87 *M10 x 22*
SF57R17	1.250 *30*	1.36 *33*	2.36 *60*	0.26 *3.5*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{11}/_{16}$ *8 x 7 x 50*	$^{1}/_{2}$–13 × 1.12 *M10 x 22*
SF67R37	1.375 *35*	1.51 *38*	2.76 *70*	0.43 *7*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 56*	$^{1}/_{2}$–13 × 1.12 *M12 x 28*

*** Note: See page 33 for applicable tolerances.**

Flange

AH	AJ	AK *	BB	BD	BF	GA
1.95 49.5	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
2.36 60	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
2.76 70	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12

*** Note: See page 33 for applicable tolerances.**

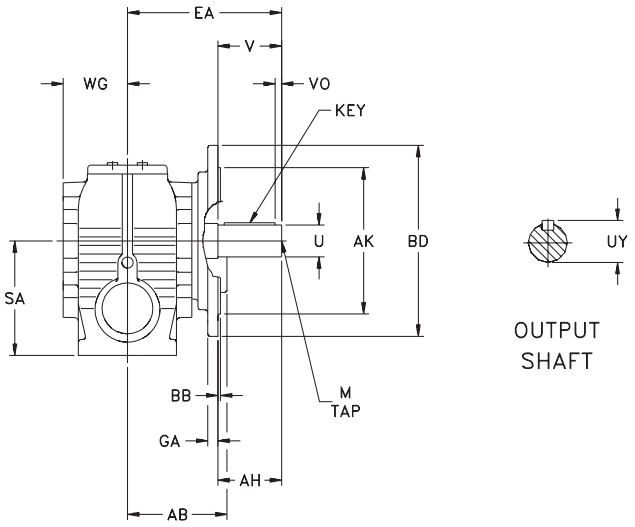
Motor

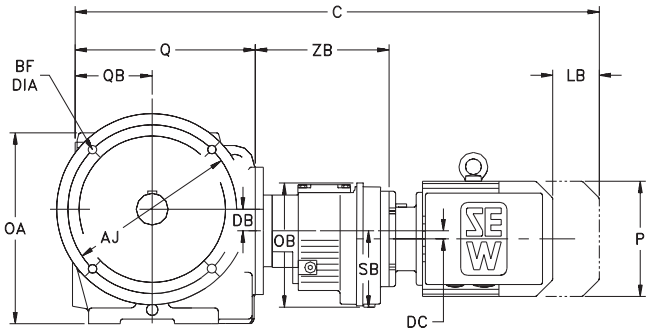
Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
SF47R17	**C**	20.08 510	22.05 560	— —	— —
SF57R17	**C**	20.71 526	22.68 576	— —	— —
SF67R37	**C**	24.06 611	26.02 661	26.81 681	28.90 734

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 494 for available output shaft sizes.

Dimensions
Type SF Gearmotors - Flange Mounted





Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
SF77R37	1.34	0.40	9.13	11.85	6.10	11.30	4.92	7.09	3.70	4.76	6.18
	34	10.1	232	301	155	287	125	180	94	121	157
SF87R57	1.48	0.44	11.42	14.49	7.60	13.39	5.91	8.86	4.76	5.71	8.50
	37.5	11.2	290	368	193	340	150	225	121	145	216

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
SF77R37	1.750 *45*	1.92 *48.5*	3.54 *90*	0.38 *5*	3/8 × 3/8 × 2 3/4 *14 x 9 x 80*	5/8–11 × 1.38 *M16 x 36*
SF87R57	2.375 *60*	2.65 *64*	4.72 *120*	0.51 *5*	5/8 × 5/8 × 3 5/8 *18 x 11 x 110*	3/4–10 × 1.61 *M20 x 42*

*** Note: See page 33 for applicable tolerances.**

Flange

AH	AJ	AK *	BB	BD	BF	GA
3.54 90	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
4.72 120	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.71 18

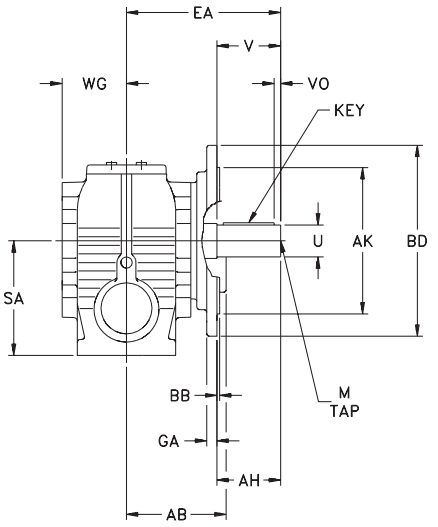
*** Note: See page 33 for applicable tolerances.**

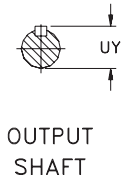
Motor

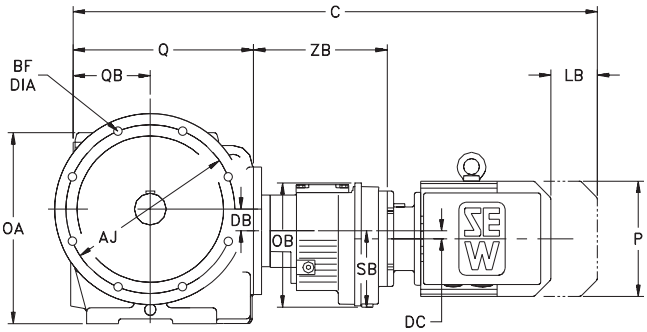
Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
SF77R37	**C**	25.55 649	27.52 699	28.31 719	30.39 772	— —	— —	— —
SF87R57	**C**	29.72 755	31.69 805	32.48 825	34.45 875	35.83 910	37.72 958	38.58 980

Dimensions are inch / mm

See page 494 for available output shaft sizes.







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
SF97R57	2.05	0.44	13.39	17.91	7.60	16.54	7.09	11.02	4.76	6.50	8.31
	52	*11.2*	*340*	*455*	*193*	*420*	*180*	*280*	*121*	*165*	*211*

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
SF97R57	2.875 *70*	3.20 *74.5*	5.51 *140*	0.67 *7.5*	3/4 × 3/4 × 4 1/8 *20 x 12 x 125*	3/4–10 × 1.61 *M20 x 42*

*** Note: See page 33 for applicable tolerances.**

Flange

AH	AJ	AK *	BB	BD	BF	GA
5.51 140	15.75 400	13.780 350	0.20 5	17.72 450	0.69 17.5	0.87 22

*** Note: See page 33 for applicable tolerances.**

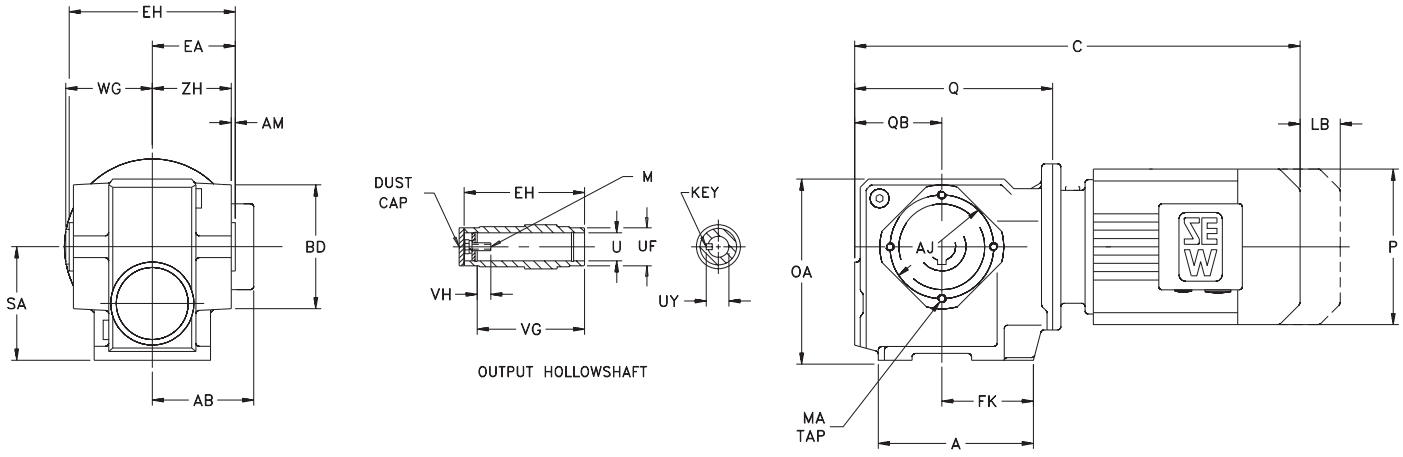
Motor

Model		DT				DV		
		71	80	90	100	112M	132S	132M
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
SF97R57	**C**	32.68 830	34.65 880	35.43 900	37.40 950	38.78 985	40.67 1033	41.54 1055

Dimensions are inch / mm

See page 494 for available output shaft sizes.

Dimensions
Type SA Gearmotors - Shaft Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Gearcase

Model	A	AJ	AM	BD	EA	FK	MA	OA	Q	QB	SA	WG	ZH
SA37	4.41	2.95	0.12	3.54	2.36	2.60	M6 x .31	5.16	5.63	2.48	3.23	2.46	2.24
	112	75	3	90	60	66	M6 x 8	131	143	63	82	62.5	57

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

Model	EH	U *	UF	UY	VG	VH	Key	M
SA37	4.72	0.750	1.38	0.84	4.09	0.37	$^{3}/_{16} \times {}^{3}/_{16} \times 1{}^{1}/_{4}$	$^{1}/_{4\text{-}20} \times {}^{5}/_{8}$
	120	*20*	*35*	*22.8*	*104*	*8*	*6 x 6 x 32*	*M6 x 16*

*** Note: See page 33 for applicable tolerances.**

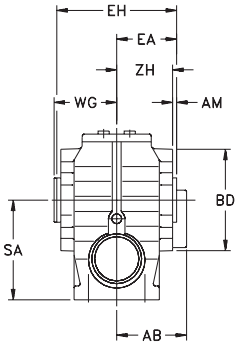
Motor

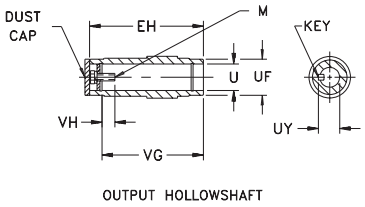
Model		DT 71	DT 80	DT 90
	AB	5.43 138	5.43 138	6.73 171
	LB	2.52 64	2.52 64	3.35 85
	P	5.71 145	5.71 145	7.76 197
SA37	**C**	13.70 348	15.67 398	16.46 418

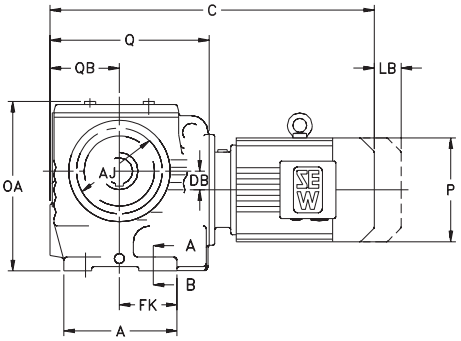
Dimensions are $\frac{\text{inch}}{\text{mm}}$

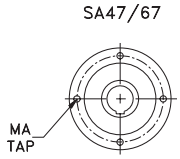
See page 492 for Torque Arm details.

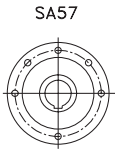
See page 495 for available output shaft sizes.

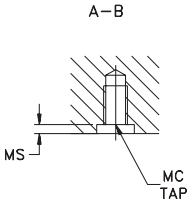


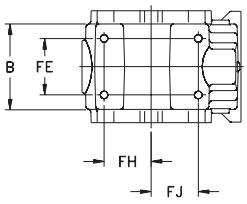












Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	A	AJ	AM	B	BD	DB	EA	FE	FH	FJ	FK	MA	MC	MS	OA
SA47	5.00	4.53	0.10	3.70	5.12	0.31	2.36	2.36	1.38	2.05	2.64	M8 x .47	M10 x .79	0.16	7.05
	127	115	2.5	94	130	8	60	60	35	52	67	M8 x 12	M10 x 20	4	179
SA57	5.75	4.02	0.12	3.94	4.72	0.79	2.95	2.36	2.30	2.30	2.87	M8 x .47	M10 x .79	0.16	7.44
	146	102	3	100	120	20	75	60	58.5	58.5	73	M8 x 12	M10 x 20	4	189
SA67	7.17	5.12	0.14	5.04	6.10	0.87	3.31	3.46	2.81	3.17	3.76	M12 x .79	M12 x .98	0.20	9.29
	182	130	3.5	128	155	22	84	88	71.5	80.5	95.5	M12 x 20	M12 x 25	5	236

Gearcase

Model	Q	QB	SA	WG	ZH
SA47	6.73	2.95	3.94	2.48	2.26
	171	75	100	63	57.5
SA57	7.36	3.15	4.41	3.07	2.83
	187	80	112	78	72
SA67	9.49	4.17	5.51	3.50	3.17
	241	106	140	89	80.5

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

EH	UF	U *	UY	VG	VH	Key	M
4.72	1.77	1.250	1.37	4.13	0.67	$^{1}/_{4} \times {}^{1}/_{4} \times 1{}^{5}/_{16}$	$^{7}/_{16\text{-}14} \times 1$
120	*45*	*30*	*33.3*	*105*	*17*	*8 x 7 x 40*	*M10 x 25*
5.91	1.97	1.375	1.52	5.20	0.65	$^{5}/_{16} \times {}^{5}/_{16} \times 1{}^{13}/_{16}$	$^{1}/_{2\text{-}13} \times 1$
150	*50*	*35*	*38.3*	*132*	*22*	*10 x 8 x 45*	*M12 x 30*
6.61	2.56	1.500	1.67	5.67	1.36	$^{3}/_{8} \times {}^{3}/_{8} \times 2{}^{1}/_{4}$	$^{5}/_{8\text{-}11} \times 1{}^{3}/_{4}$
168	*65*	*45*	*48.8*	*144*	*29*	*14 x 9 x 40*	*M16 x 40*

*** Note: See page 33 for applicable tolerances.**

Dimensions are $\frac{\text{inch}}{\text{mm}}$

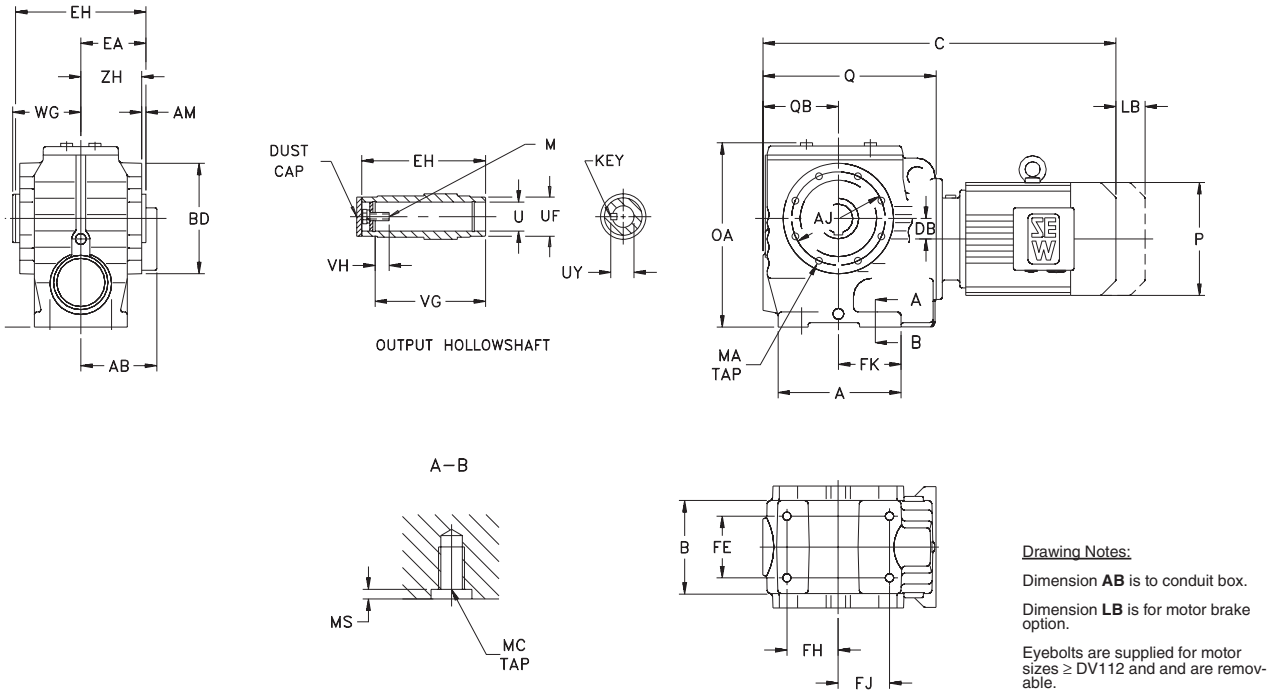
See page 492 for Torque Arm details.

See page 495 for available output shaft sizes.

Motor

Model		DT				DV		
		71	80	90	100	112M	132S	132M
	AB	5.43	5.43	6.73	6.89	7.40	7.40	9.13
		138	138	171	175	188	188	232
	LB	2.52	2.52	3.35	3.35	3.15	3.15	4.41
		64	64	85	85	80	80	112
	P	5.71	5.71	7.76	7.76	8.70	8.70	10.83
		145	145	197	197	221	221	275
SA47	**C**	14.80	16.77	17.56	19.65	—	—	—
		376	426	446	499	—	—	—
SA57	**C**	15.43	17.40	18.19	20.28	—	—	—
		392	442	462	515	—	—	—
SA67	**C**	17.32	19.29	20.08	22.05	23.43	25.31	26.18
		440	490	510	560	595	643	665

Dimensions
Type SA Gearmotors - Shaft Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	A	AJ	AM	B	BD	DB	EA	FE	FH	FJ	FK	MA	MC	MS	OA
SA77	8.03	6.10	0.16	6.06	7.01	1.34	4.13	4.02	3.35	3.35	4.09	M12 x .79	M16 x 1.26	0.24	11.85
	204	155	4	154	178	34	105	102	85	85	104	M12 x 20	M16 x 32	6	301
SA87	10.24	7.09	0.20	7.64	8.46	1.48	4.92	4.65	4.53	4.33	4.92	M16 x 1.02	M16 x 1.26	0.24	14.49
	260	180	5	194	215	37.5	125	118	115	110	125	M16 x 26	M16 x 32	6	368
SA97	11.85	8.66	0.20	9.29	10.24	2.05	5.71	6.30	5.31	4.45	5.51	M16 x 1.02	M20 x 1.42	0.24	17.91
	301	220	5	236	260	52	145	160	135	113	140	M16 x 26	M20 x 36	6	455

Gearcase

Model	Q	QB	SA	WG	ZH
SA77	11.30	4.92	7.09	4.25	3.98
	287	125	180	108	101
SA87	13.39	5.91	8.86	5.04	4.72
	340	150	225	128	120
SA97	16.54	7.09	11.02	5.87	5.51
	420	180	280	149	140

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

EH	UF	U *	UY	VG	VH	Key	M
8.27	3.15	2.000	2.22	7.20	1.16	$^1/_2 \times {}^1/_2 \times 2^5/_8$	$^5/_{8\text{-}11} \times 1^3/_4$
210	*80*	*60*	*64.4*	*180*	*37*	*18 x 11 x 63*	*M20 x 50*
9.84	3.74	2.375	2.65	8.66	1.37	$^5/_8 \times {}^5/_8 \times 3^1/_4$	$^3/_{4\text{-}10} \times 2$
250	*95*	*70*	*74.9*	*220*	*34*	*20 x 12 x 110*	*M20 x 50*
11.42	4.72	2.750	3.03	10.23	1.24	$^5/_8 \times {}^5/_8 \times 3^1/_4$	$^3/_{4\text{-}10} \times 2$
290	*120*	*90*	*95.4*	*255*	*41*	*25 x 14 x 140*	*M24 x 60*

*** Note: See page 33 for applicable tolerances.**

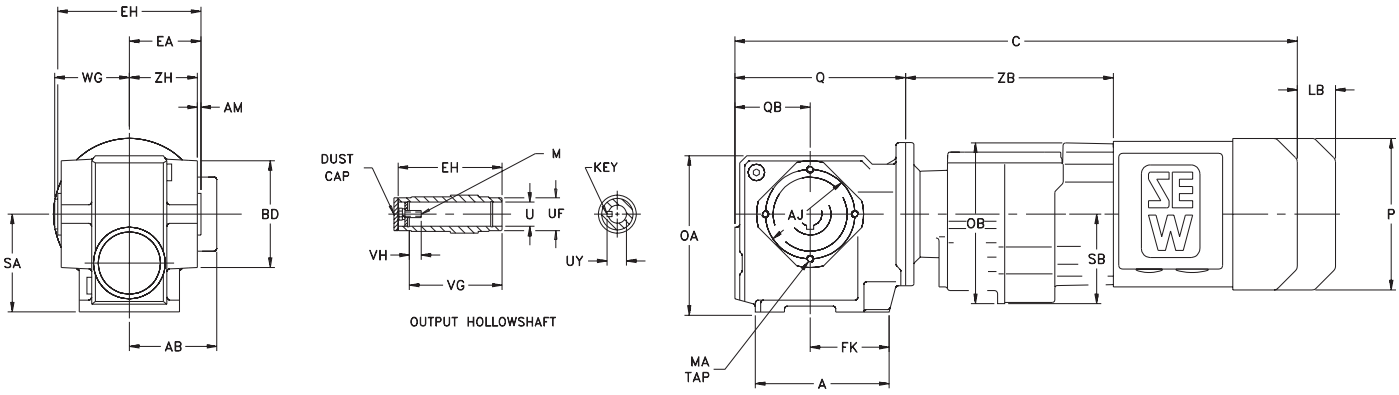
Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 492 for Torque Arm details.

See page 495 for available output shaft sizes.

Motor

Model		DT 71	DT 80	DT 90	DT 100	DV 112M	DV 132S	DV 132M	DV 132ML	DV 160M	DV 160L	DV 180	DV 200
	AB	5.43	5.43	6.73	6.89	7.40	7.40	9.13	9.13	9.13	10.04	10.55	11.81
		138	138	171	175	188	188	232	232	232	255	268	300
	LB	2.52	2.52	3.35	3.35	3.15	3.15	4.41	4.41	4.41	6.14	6.14	6.14
		64	64	85	85	80	80	112	112	112	156	156	156
	P	5.71	5.71	7.76	7.76	8.70	8.70	10.83	10.83	10.83	13.03	13.03	15.51
		145	145	197	197	221	221	275	275	275	331	331	394
SA77	**C**	18.90	20.87	21.57	23.54	24.96	26.73	27.52	29.88	29.88	—	—	—
		480	530	548	598	634	679	699	759	759	—	—	—
SA87	**C**	—	22.76	23.50	25.47	26.85	28.62	29.41	31.77	31.77	33.66	36.46	—
		—	578	597	647	682	727	747	807	807	855	926	—
SA97	**C**	—	25.63	26.42	28.43	29.80	31.57	32.36	34.72	34.72	36.61	39.45	41.30
		—	651	671	722	757	802	822	882	882	930	1002	1049



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Gearcase

Model	A	AJ	AM	BD	EA	FK	MA	OA	OB	Q	QB	SA	SB	WG	ZB	ZH
SA37R17	4.41	2.95	0.12	3.54	2.36	2.60	M6 x .31	5.16	5.31	5.63	2.48	3.23	2.99	2.46	6.89	2.24
	112	75	3	90	60	66	M6 x 8	131	135	143	63	82	76	62.5	175	57

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

Model	EH	U *	UF	UY	VG	VH	Key	M
SA37R17	4.72	0.750	1.38	0.84	4.09	0.37	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{1}/_{4}$	$^{1}/_{4}$-20 $\times$ $^{5}/_{8}$
	120	*20*	*35*	*22.8*	*104*	*8*	*6 x 6 x 32*	*M6 x 16*

*** Note: See page 33 for applicable tolerances.**

Motor

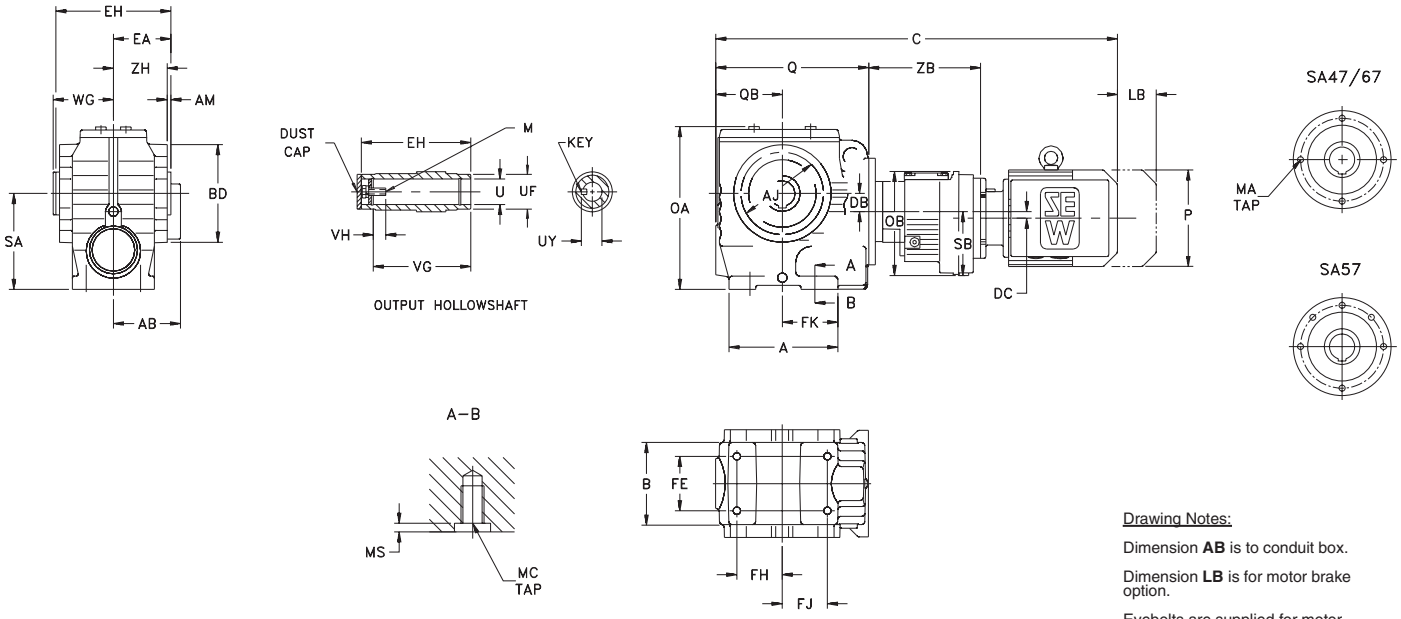
Model		DT 71	DT 80
	AB	5.43 138	5.43 138
	LB	2.52 64	2.52 64
	P	5.71 145	5.71 145
SA37R17	**C**	18.98 482	20.94 532

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 492 for Torque Arm details.

See page 495 for available output shaft sizes.

Dimensions
Type SA Gearmotors - Shaft Mounted



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	A	AJ	AM	B	BD	DB	DC	EA	FE	FH	FJ	FK	MA	MC	MS	OA	OB
SA47R17	5.00	4.53	0.10	3.70	5.12	0.31	0.00	2.36	2.36	1.38	2.05	2.64	M8 x .47	M10 x .79	0.16	7.05	5.31
	127	115	2.5	94	130	8	0	60	60	35	52	67	M8 x 12	M10 x 20	4	179	135
SA57R17	5.75	4.02	0.12	3.94	4.72	0.79	0.00	2.95	2.36	2.30	2.30	2.87	M8 x .47	M10 x .79	0.16	7.44	5.31
	146	102	3	100	120	20	0	75	60	58.5	58.5	73	M8 x 12	M10 x 20	4	189	135
SA67R37	7.17	5.12	0.14	5.04	6.10	0.87	0.40	3.31	3.46	2.81	3.17	3.76	M12 x .79	M12 x .98	0.20	9.29	6.10
	182	130	3.5	128	155	22	10.1	84	88	71.5	80.5	95.5	M12 x 20	M12 x 25	5	236	155

Gearcase

Model	Q	QB	SA	SB	WG	ZB	ZH
SA47R17	6.73 171	2.95 75	3.94 100	2.99 76	2.48 63	6.89 175	2.26 57.5
SA57R17	7.36 187	3.15 80	4.41 112	2.99 76	3.07 78	6.89 175	2.83 72
SA67R37	9.49 241	4.17 106	5.51 140	3.70 94	3.50 89	6.50 165	3.17 80.5

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

Model	EH	UF	U *	UY	VG	VH	Key	M
SA47R17	4.72 *120*	1.77 *45*	1.250 *30*	1.37 *33.3*	4.13 *105*	0.67 *17*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{5}/_{16}$ *8 x 7 x 40*	$^{7}/_{16\text{-}14} \times 1$ *M10 x 25*
SA57R17	5.91 *150*	1.97 *50*	1.375 *35*	1.52 *38.3*	5.20 *132*	0.65 *22*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 45*	$^{1}/_{2\text{-}13} \times 1$ *M12 x 30*
SA67R37	6.61 *168*	2.56 *65*	1.500 *45*	1.67 *48.8*	5.67 *144*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *14 x 9 x 40*	$^{5}/_{8\text{-}11} \times 1^{3}/_{4}$ *M16 x 40*

*** Note: See page 33 for applicable tolerances.**

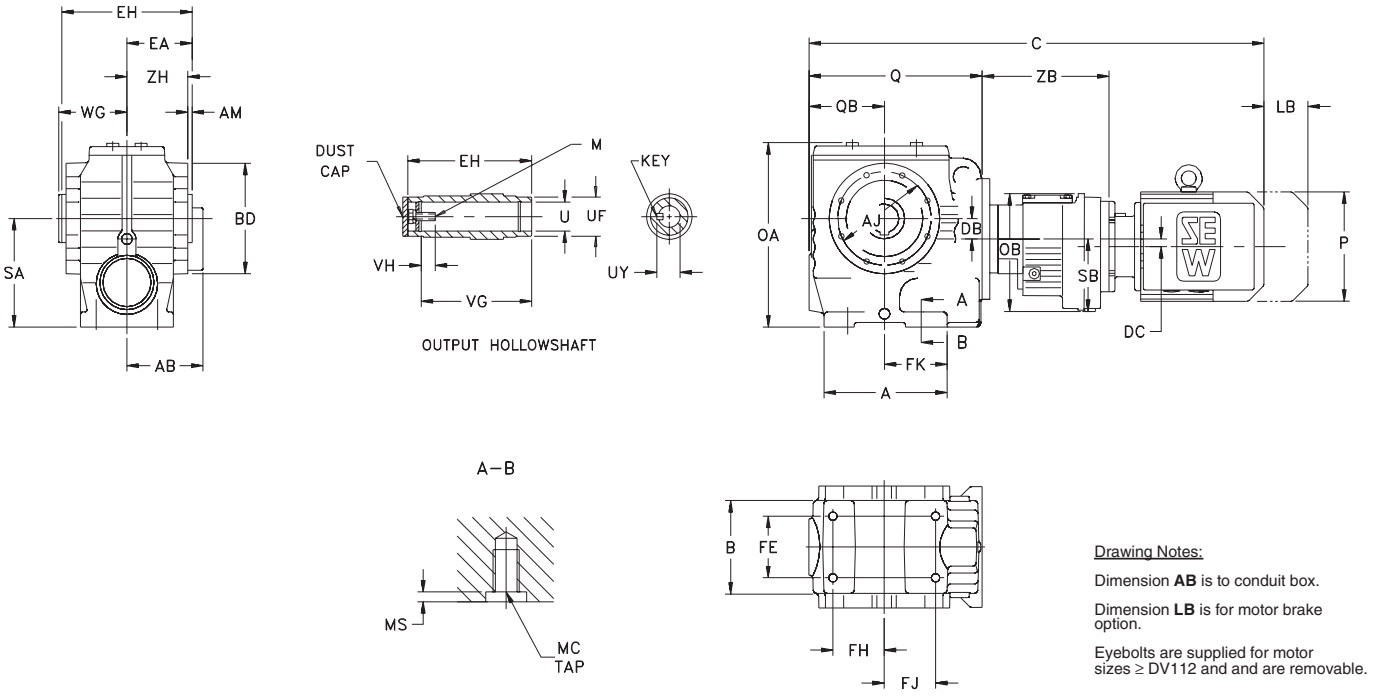
Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 492 for Torque Arm details.

See page 495 for available output shaft sizes.

Motor

Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
SA47R17	**C**	20.08 510	22.05 560	— —	— —
SA57R17	**C**	20.71 526	22.68 576	— —	— —
SA67R37	**C**	24.06 611	26.02 661	26.81 681	28.90 734



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	A	AJ	AM	B	BD	DB	DC	EA	FE	FH	FJ	FK	MA	MC	MS	OA	OB
SA77R37	8.03	6.10	0.16	6.06	7.01	1.34	0.40	4.13	4.02	3.35	3.35	4.09	M12 x .79	M16 x 1.26	0.24	11.85	6.10
	204	155	4	154	178	34	10.1	105	102	85	85	104	M12 x 20	M16 x 32	6	301	155
SA87R57	10.24	7.09	0.20	7.64	8.46	1.48	0.44	4.92	4.65	4.53	4.33	4.92	M16 x 1.02	M16 x 1.26	0.24	14.49	7.60
	260	180	5	194	215	37.5	11.2	125	118	115	110	125	M16 x 26	M16 x 32	6	368	193
SA97R57	11.85	8.66	0.20	9.29	10.24	2.05	0.44	5.71	6.30	5.31	4.45	5.51	M16 x 1.02	M20 x 1.42	0.24	17.91	7.60
	301	220	5	236	260	52	11.2	145	160	135	113	140	M16 x 26	M20 x 36	6	455	193

Gearcase

Model	Q	QB	SA	SB	WG	ZB	ZH
SA77R37	11.30	4.92	7.09	3.70	4.25	6.18	3.98
	287	125	180	94	108	157	101
SA87R57	13.39	5.91	8.86	4.76	5.04	8.50	4.72
	340	150	225	121	128	216	120
SA97R57	16.54	7.09	11.02	4.76	5.87	8.31	5.51
	420	180	280	121	149	211	140

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

EH	UF	U *	UY	VG	VH	Key	M
8.27	3.15	2.000	2.22	7.20	1.16	$^1/_2 \times {}^1/_2 \times 2^5/_8$	$^5/_{8\text{-}11} \times 1^3/_4$
210	*80*	*60*	*64.4*	*180*	*37*	*18 x 11 x 63*	*M20 x 50*
9.84	3.74	2.375	2.65	8.66	1.37	$^5/_8 \times {}^5/_8 \times 3^1/_4$	$^3/_{4\text{-}10} \times 2$
250	*95*	*70*	*74.9*	*220*	*34*	*20 x 12 x 110*	*M20 x 50*
11.42	4.72	2.750	3.03	10.23	1.24	$^5/_8 \times {}^5/_8 \times 3^1/_4$	$^3/_{4\text{-}10} \times 2$
290	*120*	*90*	*95.4*	*255*	*41*	*25 x 14 x 140*	*M24 x 60*

*** Note: See page 33 for applicable tolerances.**

Dimensions are $\frac{\text{inch}}{\text{mm}}$

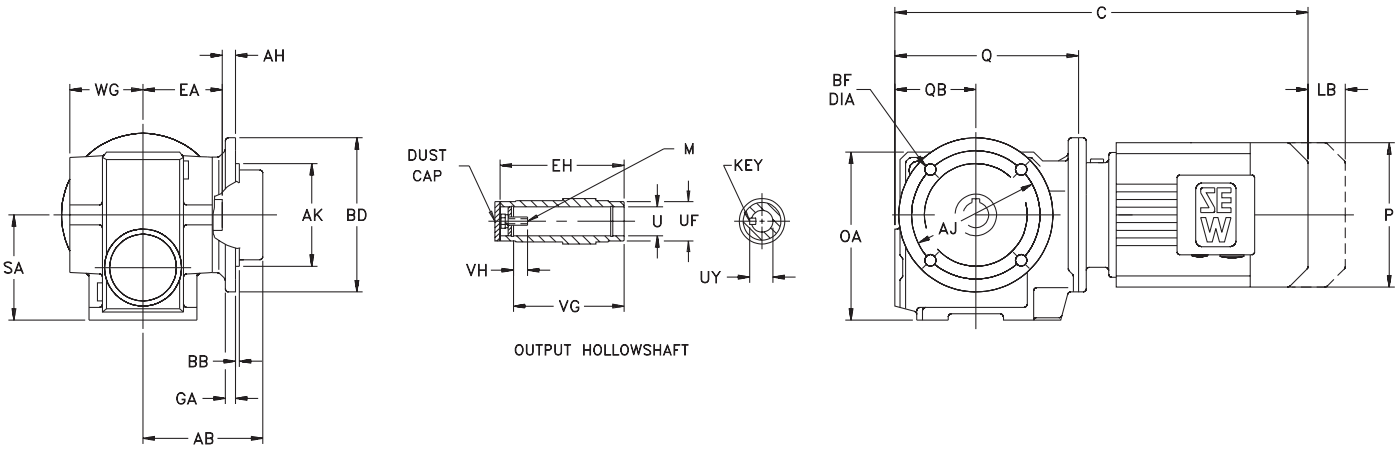
See page 492 for Torque Arm details.

See page 495 for available output shaft sizes.

Motor

Model		DT				DV		
		71	80	90	100	112M	132S	132M
	AB	5.43	5.43	6.73	6.89	7.40	7.40	9.13
		138	138	171	175	188	188	232
	LB	2.52	2.52	3.35	3.35	3.15	3.15	4.41
		64	64	85	85	80	80	112
	P	5.71	5.71	7.76	7.76	8.70	8.70	10.83
		145	145	197	197	221	221	275
SA77R37	**C**	25.55	27.52	28.31	30.39	—	—	—
		649	699	719	772	—	—	—
SA87R57	**C**	29.72	31.69	32.48	34.45	35.83	37.72	38.58
		755	805	825	875	910	958	980
SA97R57	**C**	32.68	34.65	35.43	37.40	38.78	40.67	41.54
		830	880	900	950	985	1033	1055

Dimensions
Type SAF Gearmotors - Flange Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Gearcase

Model	EA	OA	Q	QB	SA	WG
SAF37	2.36	5.16	5.63	2.48	3.23	2.46
	60	131	143	63	82	62.5

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

Model	EH	U *	UF	UY	VG	VH	Key	M
SAF37	4.72	0.750	1.38	0.84	4.09	0.37	$^{3}/_{16} \times {}^{3}/_{16} \times 1{}^{1}/_{4}$	$^{1}/_{4\text{-}20} \times {}^{5}/_{8}$
	120	*20*	*35*	*22.8*	*104*	*8*	*6 x 6 x 32*	*M6 x 16*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
SAF37	**Option 1**	0.59	3.94	3.150	0.12	4.72	0.26	0.31
		15	100	80	3	120	6.6	8
	Option 2	0.59	5.12	4.331	0.14	6.30	0.35	0.39
		15	130	110	3.5	160	9	10

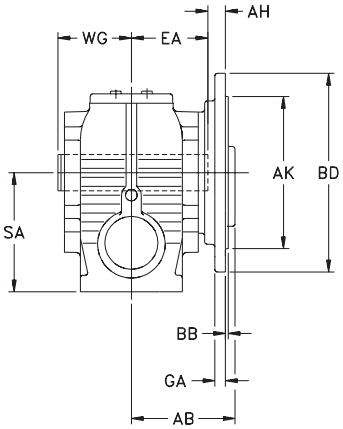
*** Note: See page 33 for applicable tolerances.**

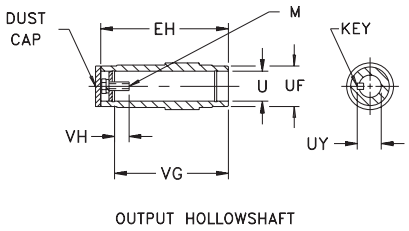
Motor

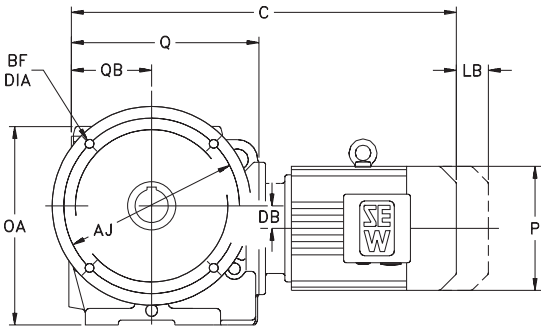
Model		DT 71	DT 80	DT 90
	AB	5.43	5.43	6.73
		138	138	171
	LB	2.52	2.52	3.35
		64	64	85
	P	5.71	5.71	7.76
		145	145	197
SAF37	**C**	13.70	15.67	16.46
		348	398	418

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 495 for available output shaft sizes.







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
SAF47	0.31	2.36	7.05	6.73	2.95	3.94	2.48
	8	*60*	*179*	*171*	*75*	*100*	*63*
SAF57	0.79	2.95	7.44	7.36	3.15	4.41	3.07
	20	*75*	*189*	*187*	*80*	*112*	*78*
SAF67	0.87	3.31	9.29	9.49	4.17	5.51	3.50
	22	*84*	*236*	*241*	*106*	*140*	*89*

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

Model	EH	UF	U *	UY	VG	VH	Key	M
SAF47	4.72	1.77	1.250	1.37	4.13	0.67	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{5}/_{16}$	$^{7}/_{16\text{-}14} \times 1$
	120	*45*	*30*	*33.3*	*105*	*17*	*8 x 7 x 40*	*M10 x 25*
SAF57	5.91	1.97	1.375	1.52	5.20	0.65	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$	$^{1}/_{2\text{-}13} \times 1$
	150	*50*	*35*	*38.3*	*132*	*22*	*10 x 8 x 45*	*M12 x 30*
SAF67	6.61	2.56	1.500	1.67	5.67	1.36	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$	$^{5}/_{8\text{-}11} \times 1^{3}/_{4}$
	168	*65*	*45*	*48.8*	*144*	*29*	*14 x 9 x 40*	*M16 x 40*

*** Note: See page 33 for applicable tolerances.**

Flange

Model	AH	AJ	AK *	BB	BD	BF	GA
SAF47	0.94	5.12	4.331	0.14	6.30	0.35	0.39
	24	130	110	3.5	160	9	10
SAF57	0.98	6.50	5.118	0.14	7.87	0.43	0.47
	25	165	130	3.5	200	11	12
SAF67	1.67	6.50	5.118	0.14	7.87	0.43	0.47
	42.5	165	130	3.5	200	11	12

*** Note: See page 33 for applicable tolerances.**

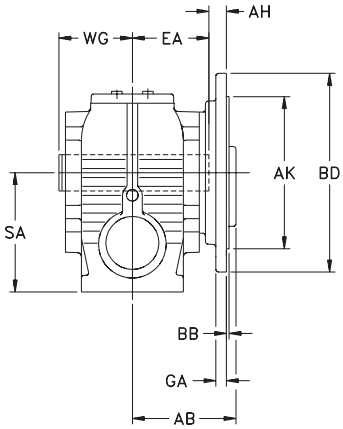
Motor

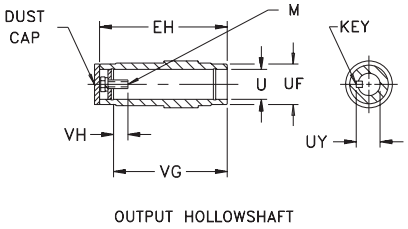
Model		DT				DV		
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**
	AB	5.43	5.43	6.73	6.89	7.40	7.40	9.13
		138	138	171	175	188	188	232
	LB	2.52	2.52	3.35	3.35	3.15	3.15	4.41
		64	64	85	85	80	80	112
	P	5.71	5.71	7.76	7.76	8.70	8.70	10.83
		145	145	197	197	221	221	275
SAF47	**C**	14.80	16.77	17.56	19.65	—	—	—
		376	426	446	499	—	—	—
SAF57	**C**	15.43	17.40	18.19	20.28	—	—	—
		392	442	462	515	—	—	—
SAF67	**C**	17.32	19.29	20.08	22.05	23.43	25.31	26.18
		440	490	510	560	595	643	665

Dimensions are $\frac{\text{inch}}{\text{mm}}$

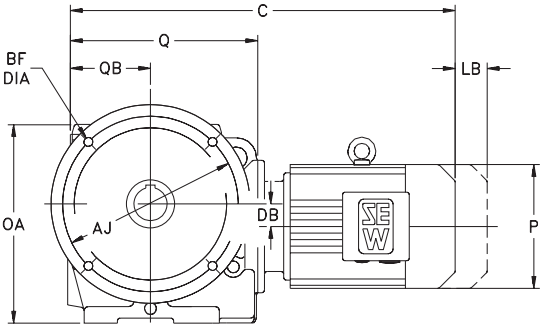
See page 495 for available output shaft sizes.

Dimensions
Type SAF Gearmotors - Flange Mounted with Hollowshaft





OUTPUT HOLLOWSHAFT



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
SAF77	1.34	4.13	11.85	11.30	4.92	7.09	4.25
	34	105	301	287	125	180	108
SAF87	1.48	4.92	14.49	13.39	5.91	8.86	5.04
	37.5	125	368	340	150	225	128

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

Model	EH	UF	U *	UY	VG	VH	Key	M
SAF77	8.27 *210*	3.15 *80*	2.000 *60*	2.22 *64.4*	7.20 *180*	1.16 *37*	$^{1}/_{2} \times {}^{1}/_{2} \times 2^{5}/_{8}$ *18 x 11 x 63*	$^{5}/_{8\text{-}11} \times 1^{3}/_{4}$ *M20 x 50*
SAF87	9.84 *250*	3.74 *95*	2.375 *70*	2.65 *74.9*	8.66 *220*	1.37 *34*	$^{5}/_{8} \times {}^{5}/_{8} \times 3^{1}/_{4}$ *20 x 12 x 110*	$^{3}/_{4\text{-}10} \times 2$ *M20 x 50*

*** Note: See page 33 for applicable tolerances.**

Flange

Model	AH	AJ	AK *	BB	BD	BF	GA
SAF77	1.79 45.5	8.46 215	7.087 180	0.16 4	9.84 250	0.53 13.5	0.59 15
SAF87	2.07 52.5	11.81 300	9.843 250	0.20 5	13.78 350	0.69 17.5	0.71 18

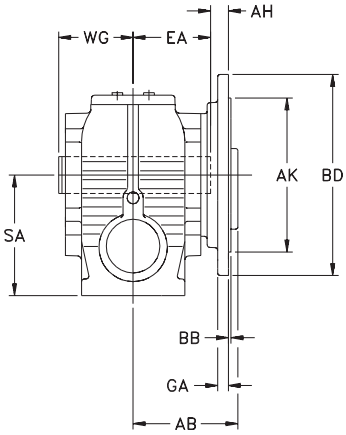
*** Note: See page 33 for applicable tolerances.**

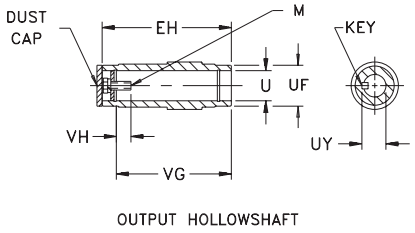
Dimensions are $\frac{\text{inch}}{\text{mm}}$

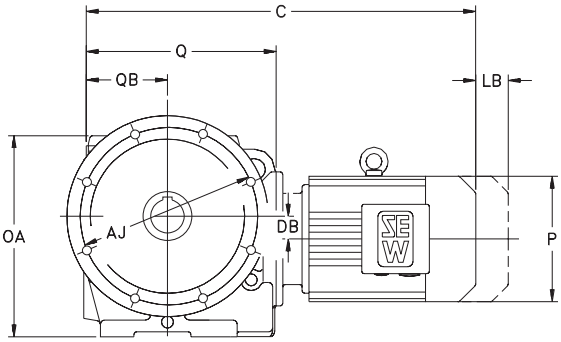
Motor

Model		DT				DV						
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232	9.13 232	9.13 232	10.04 255	10.55 268
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112	4.41 112	4.41 112	6.14 156	6.14 156
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275	10.83 275	10.83 275	13.03 331	13.03 331
SAF77	**C**	18.90 480	20.87 530	21.57 548	23.54 598	24.96 634	26.73 679	27.52 699	29.88 759	29.88 759	— —	— —
SAF87	**C**	— —	22.76 578	23.50 597	25.47 647	26.85 682	28.62 727	29.41 747	31.77 807	31.77 807	33.66 855	36.46 926

See page 495 for available output shaft sizes.







Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	DB	EA	OA	Q	QB	SA	WG
SAF97	2.05	5.71	17.91	16.54	7.09	11.02	5.87
	52	145	455	420	180	280	149

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

Model	EH	UF	U *	UY	VG	VH	Key	M
SAF97	11.42	4.72	2.750	3.03	10.23	1.24	$^5/_8 \times {}^5/_8 \times 3^1/_4$	$^3/_{4\text{-}10} \times 2$
	290	*120*	*90*	*95.4*	*255*	*41*	*25 x 14 x 140*	*M24 x 60*

*** Note: See page 33 for applicable tolerances.**

Flange

Model	AH	AJ	AK *	BB	BD	BF	GA
SAF97	2.36	15.75	13.780	0.20	17.72	0.69	0.87
	60	400	350	5	450	17.5	22

*** Note: See page 33 for applicable tolerances.**

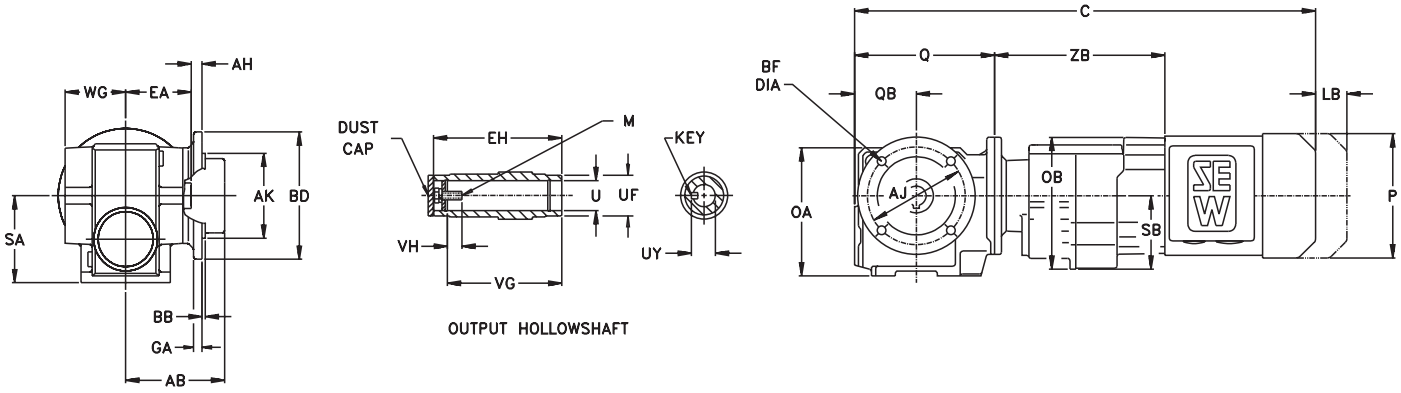
Motor

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 495 for available output shaft sizes.

Model		DT			DV							
		80	**90**	**100**	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180**	**200**
	AB	5.43	6.73	6.89	7.40	7.40	9.13	9.13	9.13	10.04	10.55	11.81
		138	171	175	188	188	232	232	232	255	268	300
	LB	2.52	3.35	3.35	3.15	3.15	4.41	4.41	4.41	6.14	6.14	6.14
		64	85	85	80	80	112	112	112	156	156	156
	P	5.71	7.76	7.76	8.70	8.70	10.83	10.83	10.83	13.03	13.03	15.51
		145	197	197	221	221	275	275	275	331	331	394
SAF97	**C**	25.63	26.42	28.43	29.80	31.57	32.36	34.72	34.72	36.61	39.45	41.30
		651	671	722	757	802	822	882	882	930	1002	1049

Dimensions
Type SAF Gearmotors - Flange Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Gearcase

Model	EA	OA	OB	Q	QB	SA	SB	WG	ZB
SAF37R17	2.36	5.16	5.31	5.63	2.48	3.23	2.99	2.46	6.89
	60	131	135	143	63	82	76	62.5	175

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

Model	EH	U *	UF	UY	VG	VH	Key	M
SAF37R17	4.72	0.750	1.38	0.84	4.09	0.37	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{1}/_{4}$	$^{1}/_{4\text{-}20} \times {}^{5}/_{8}$
	120	*20*	*35*	*22.8*	*104*	*8*	*6 x 6 x 32*	*M6 x 16*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD dimension when ordering)

Model		AH	AJ	AK *	BB	BD	BF	GA
SAF37R17	Option 1	0.59 15	3.94 100	3.150 80	0.12 3	4.72 120	0.26 6.6	0.31 8
	Option 2	0.59 15	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10

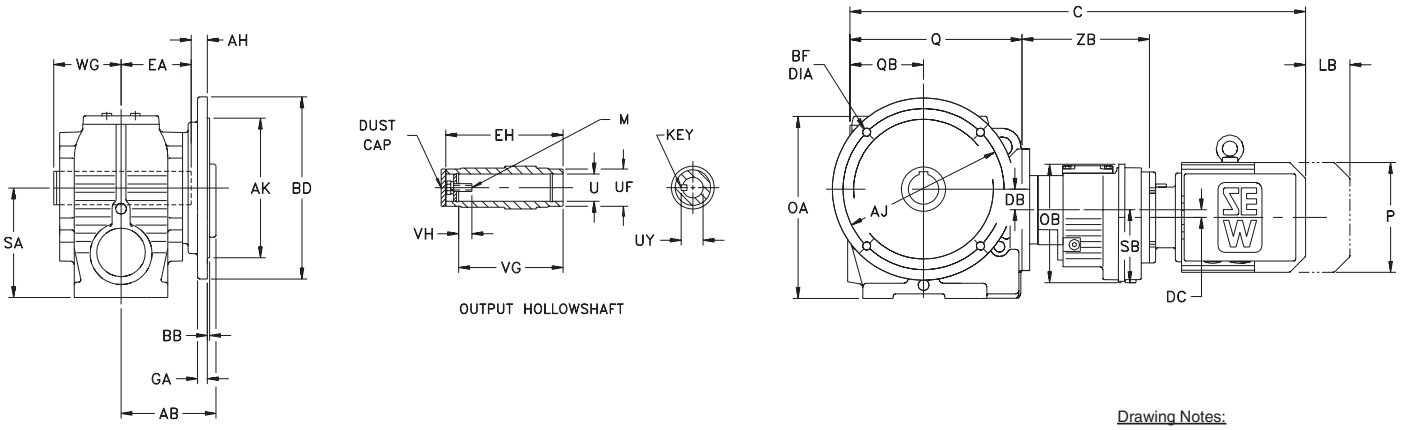
*** Note: See page 33 for applicable tolerances.**

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 495 for available output shaft sizes.

Motor

Model		DT 71	DT 80
	AB	5.43 138	5.43 138
	LB	2.52 64	2.52 64
	P	5.71 145	5.71 145
SAF37R17	C	18.98 482	20.94 532



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
SAF47R17	0.31	0.00	2.36	7.05	5.31	6.73	2.95	3.94	2.99	2.48	6.89
	8	0	60	179	135	171	75	100	76	63	175
SAF57R17	0.79	0.00	2.95	7.44	5.31	7.36	3.15	4.41	2.99	3.07	6.89
	20	0	75	189	135	187	80	112	76	78	175
SAF67R37	0.87	0.40	3.31	9.29	6.10	9.49	4.17	5.51	3.70	3.50	6.50
	22	10.1	84	236	155	241	106	140	94	89	165

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

Model	EH	UF	U *	UY	VG	VH	Key	M
SAF47R17	4.72 *120*	1.77 *45*	1.250 *30*	1.37 *33.3*	4.13 *105*	0.67 *17*	$^{1}/_{4} \times {}^{1}/_{4} \times 1^{5}/_{16}$ *8 x 7 x 40*	$^{7}/_{16\text{-}14} \times 1$ *M10 x 25*
SAF57R17	5.91 *150*	1.97 *50*	1.375 *35*	1.52 *38.3*	5.20 *132*	0.65 *22*	$^{5}/_{16} \times {}^{5}/_{16} \times 1^{13}/_{16}$ *10 x 8 x 45*	$^{1}/_{2\text{-}13} \times 1$ *M12 x 30*
SAF67R37	6.61 *168*	2.56 *65*	1.500 *45*	1.67 *48.8*	5.67 *144*	1.36 *29*	$^{3}/_{8} \times {}^{3}/_{8} \times 2^{1}/_{4}$ *14 x 9 x 40*	$^{5}/_{8\text{-}11} \times 1^{3}/_{4}$ *M16 x 40*

*** Note: See page 33 for applicable tolerances.**

Flange

Model	AH	AJ	AK *	BB	BD	BF	GA
SAF47R17	0.94 24	5.12 130	4.331 110	0.14 3.5	6.30 160	0.35 9	0.39 10
SAF57R17	0.98 25	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12
SAF67R37	1.67 42.5	6.50 165	5.118 130	0.14 3.5	7.87 200	0.43 11	0.47 12

*** Note: See page 33 for applicable tolerances.**

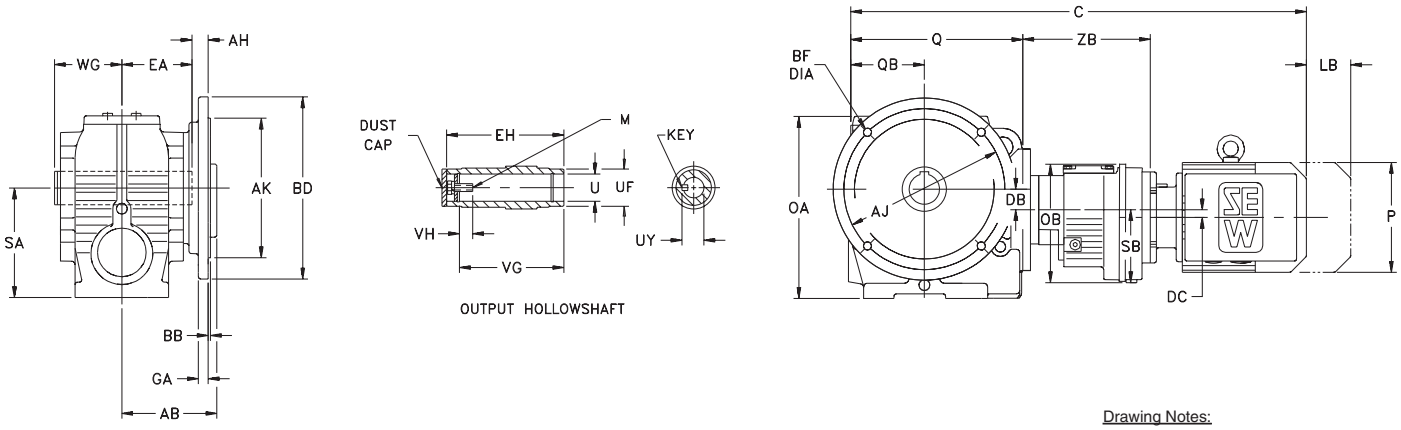
Motor

Model		DT 71	DT 80	DT 90	DT 100
	AB	5.43 138	5.43 138	6.73 171	6.89 175
	LB	2.52 64	2.52 64	3.35 85	3.35 85
	P	5.71 145	5.71 145	7.76 197	7.76 197
SAF47R17	**C**	20.08 510	22.05 560	— —	— —
SAF57R17	**C**	20.71 526	22.68 576	— —	— —
SAF67R37	**C**	24.06 611	26.02 661	26.81 681	28.90 734

Dimensions are $\frac{\text{inch}}{\text{mm}}$

See page 495 for available output shaft sizes.

Dimensions
Type SAF Gearmotors - Flange Mounted with Hollowshaft



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
SAF77R37	1.34	0.40	4.13	11.85	6.10	11.30	4.92	7.09	3.70	4.25	6.18
	34	10.1	105	301	155	287	125	180	94	108	157
SAF87R57	1.48	0.44	4.92	14.49	7.60	13.39	5.91	8.86	4.76	5.04	8.50
	37.5	11.2	125	368	193	340	150	225	121	128	216

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

Model	EH	UF	U *	UY	VG	VH	Key	M
SAF77R37	8.27	3.15	2.000	2.22	7.20	1.16	$^1/_2 \times {}^1/_2 \times 2^5/_8$	$^5/_{8\text{-}11} \times 1^3/_4$
	210	*80*	*60*	*64.4*	*180*	*37*	*18 x 11 x 63*	*M20 x 50*
SAF87R57	9.84	3.74	2.375	2.65	8.66	1.37	$^5/_8 \times {}^5/_8 \times 3^1/_4$	$^3/_{4\text{-}10} \times 2$
	250	*95*	*70*	*74.9*	*220*	*34*	*20 x 12 x 110*	*M20 x 50*

*** Note: See page 33 for applicable tolerances.**

Flange

Model	AH	AJ	AK *	BB	BD	BF	GA
SAF77R37	1.79	8.46	7.087	0.16	9.84	0.53	0.59
	45.5	215	180	4	250	13.5	15
SAF87R57	2.07	11.81	9.843	0.20	13.78	0.69	0.71
	52.5	300	250	5	350	17.5	18

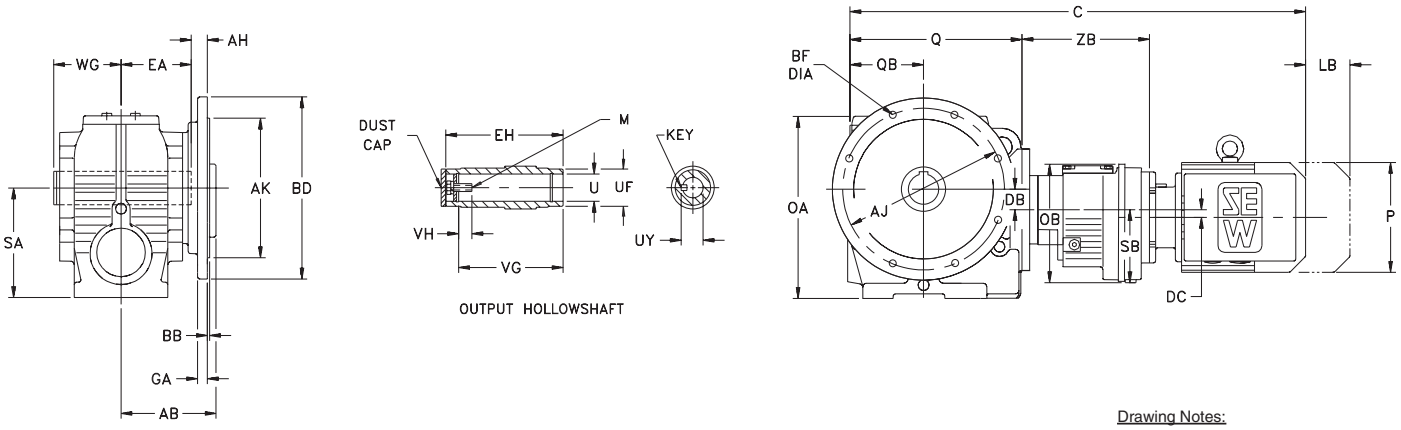
*** Note: See page 33 for applicable tolerances.**

Dimensions are $\frac{\text{inch}}{\text{mm}}$

Motor

Model		DT				DV		
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**
	AB	5.43	5.43	6.73	6.89	7.40	7.40	9.13
		138	138	171	175	188	188	232
	LB	2.52	2.52	3.35	3.35	3.15	3.15	4.41
		64	64	85	85	80	80	112
	P	5.71	5.71	7.76	7.76	8.70	8.70	10.83
		145	145	197	197	221	221	275
SAF77R37	**C**	25.55	27.52	28.31	30.39	—	—	—
		649	699	719	772	—	—	—
SAF87R57	**C**	29.72	31.69	32.48	34.45	35.83	37.72	38.58
		755	805	825	875	910	958	980

See page 495 for available output shaft sizes.



Drawing Notes:

Dimension **AB** is to conduit box.

Dimension **LB** is for motor brake option.

Eyebolts are supplied for motor sizes ≥ DV112 and and are removable.

Gearcase

Model	DB	DC	EA	OA	OB	Q	QB	SA	SB	WG	ZB
SAF97R57	2.05	0.44	5.71	17.91	7.60	16.54	7.09	11.02	4.76	5.87	8.31
	52	*11.2*	*145*	*455*	*193*	*420*	*180*	*280*	*121*	*149*	*211*

Output Shaft Inch Series/*Optional Metric Series* **For solid shaft design see page 496.**

Model	EH	UF	U *	UY	VG	VH	Key	M
SAF97R57	11.42	4.72	2.750	3.03	10.23	1.24	$^5/_8 \times {}^5/_8 \times 3^1/_4$	$^3/_{4\text{-}10} \times 2$
	290	*120*	*90*	*95.4*	*255*	*41*	*25 x 14 x 140*	*M24 x 60*

*** Note: See page 33 for applicable tolerances.**

Flange

Model	AH	AJ	AK *	BB	BD	BF	GA
SAF97R57	2.36	15.75	13.780	0.20	17.72	0.69	0.87
	60	400	350	5	450	17.5	22

*** Note: See page 33 for applicable tolerances.**

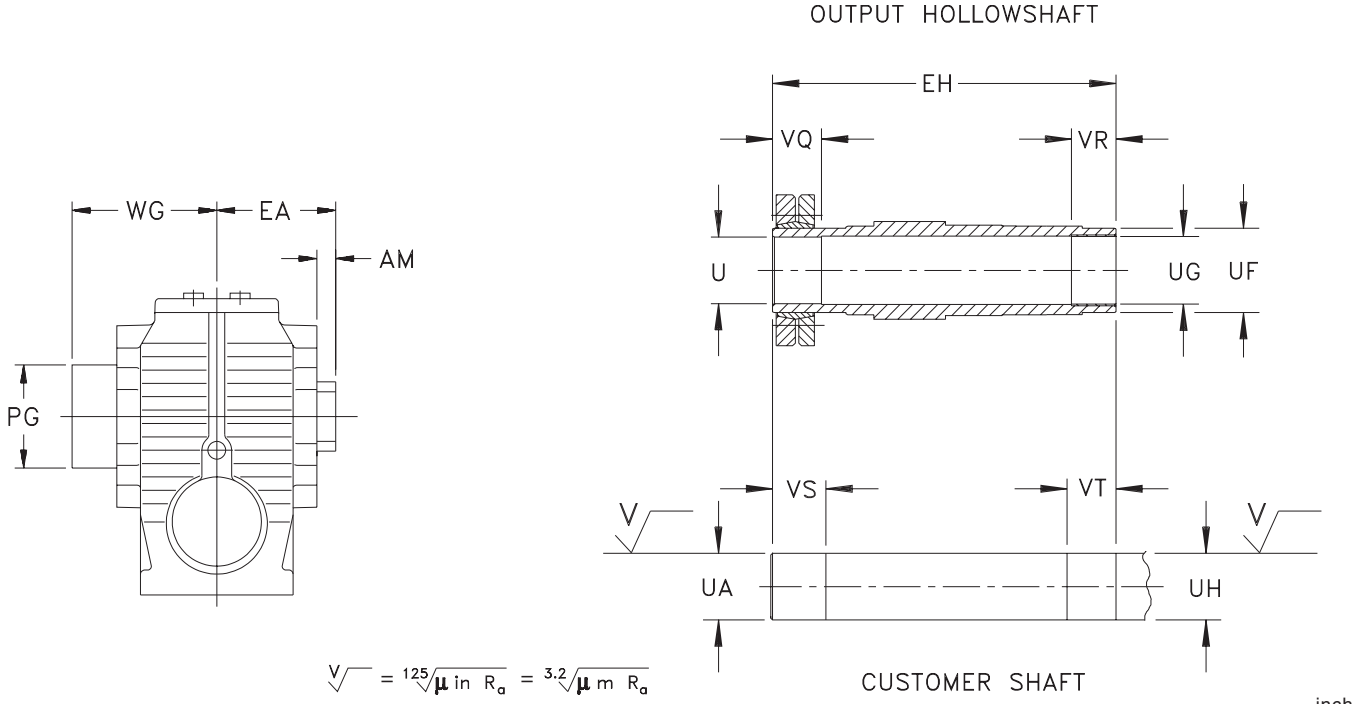
Motor

Dimensions are inch / mm

Model		DT				DV		
		71	**80**	**90**	**100**	**112M**	**132S**	**132M**
	AB	5.43 138	5.43 138	6.73 171	6.89 175	7.40 188	7.40 188	9.13 232
	LB	2.52 64	2.52 64	3.35 85	3.35 85	3.15 80	3.15 80	4.41 112
	P	5.71 145	5.71 145	7.76 197	7.76 197	8.70 221	8.70 221	10.83 275
SAF97R57	**C**	32.68 830	34.65 880	35.43 900	37.40 950	38.78 985	40.67 1033	41.54 1055

See page 495 for available output shaft sizes.

Dimensions
Type SH..DT/DV.. - Shrink Disc Mounted

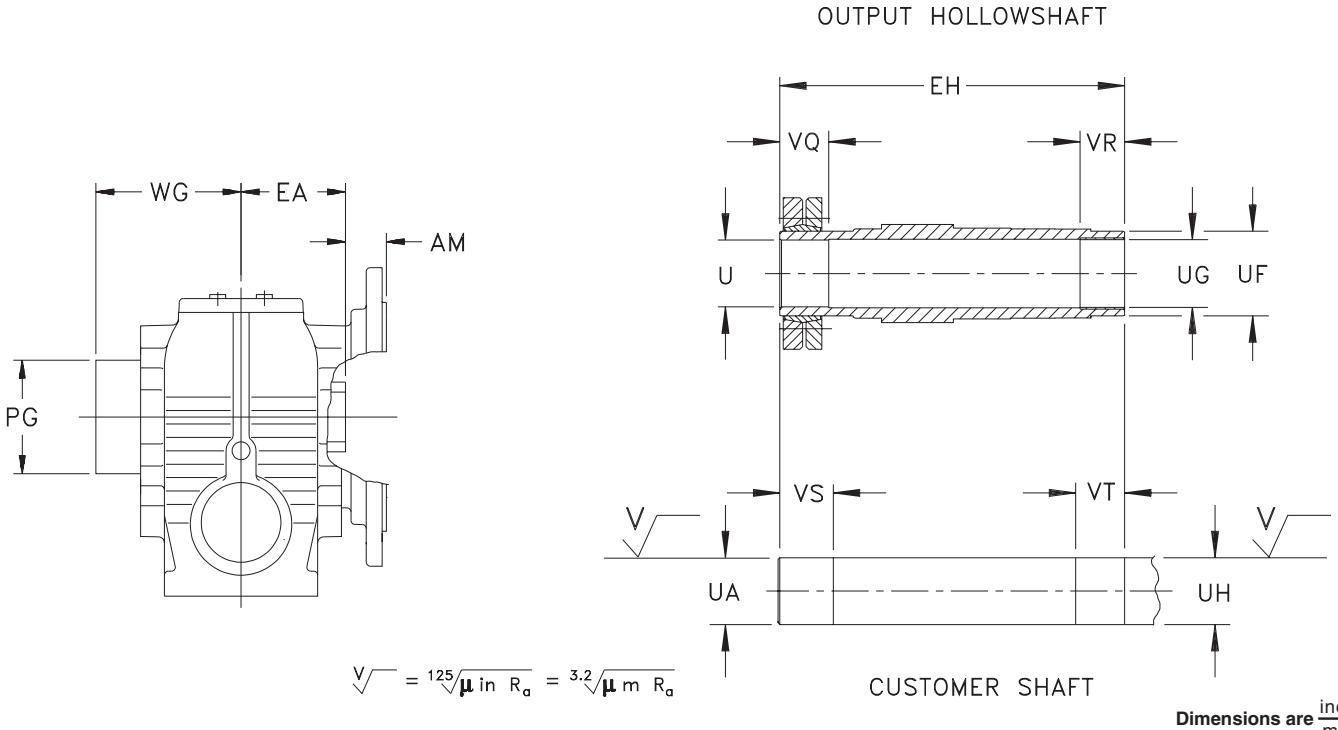


Dimensions are inch / mm

					Shrink Disc										
Model	**AM**	**EA**	**PG**	**WG**	**EH**	**U[1)]**	**UA[1)]**	**UF**	**UG[1)]**	**UH[1)]**	**VR**	**VQ**	**VS**	**VT**	**M_a[2)]**
SH37DT..	0.12	2.36	2.32	3.43	5.47	—	—	1.38	—	—	0.71	0.94	1.14	0.91	2035
	3	60	59	87	139	$20\ ^{+.021}_{0}$	$20\ ^{0}_{-.013}$	35	$20\ ^{+.021}_{0}$	$20\ ^{0}_{-.013}$	18	24	29	23	
SH47DT..	0.10	2.36	3.07	3.74	5.75	—	—	1.77	—	—	0.79	1.22	1.42	0.98	5730
	2.5	60	78	95	146	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	45	$30\ ^{+.025}_{0}$	$30\ ^{0}_{-.013}$	20	31	36	25	
SH57DT..	0.12	2.95	3.46	4.39	6.97	—	—	1.97	—	—	0.79	1.26	1.46	0.98	8410
	3	75	88	111.5	177	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	50	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	20	32	37	25	
SH67DT/DV..	0.14	3.31	3.94	4.70	7.72	—	—	2.56	—	—	0.79	1.50	1.69	0.98	14600
	3.5	84	100	119.5	196	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	65	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	38	43	25	
SH77DT/DV..	0.16	4.13	4.76	5.79	9.49	—	—	3.15	—	—	1.18	1.42	1.61	1.38	28300
	4	105	121	147	241	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	80	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	30	36	41	35	
SH87DT/DV..	0.20	4.92	6.46	6.93	11.42	—	—	3.74	—	—	1.57	1.57	1.77	1.77	53100
	5	125	164	176	290	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	95	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	40	40	45	45	
SH97DT/DV..	0.20	5.71	7.28	8.05	13.19	—	—	4.72	—	—	1.97	2.17	2.36	2.17	79700
	5	145	185	204.5	335	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	120	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	50	55	60	55	

Consult appropriate gearmotor dimension page for additional dimension of the speed reducer.

[1)] Previous SA../S gear units (i.e. SA62) had different values
[2)] Maximum transmissible torque, in lb-in, of the shrink disc

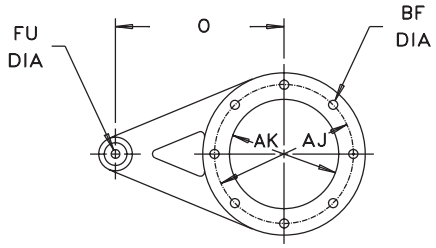


Dimensions are inch / mm

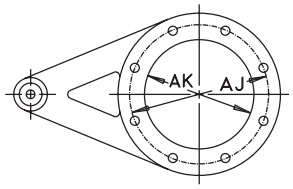
Model	AM	EA	PG	WG	Shrink Disc EH	U[1]	UA[1]	UF	UG[1]	UH[1]	VR	VQ	VS	VT	M_a[2]
SHF37DT..	0.59	2.36	2.32	3.43	5.47	—	—	1.38	—	—	0.71	0.94	1.14	0.91	2035
	15	60	59	87	139	$20\ ^{+.021}_{0}$	$20\ ^{0}_{-.013}$	35	$20\ ^{+.021}_{0}$	$20\ ^{0}_{-.013}$	18	24	29	23	
SHF47DT..	0.94	2.36	3.07	3.74	5.75	—	—	1.77	—	—	0.79	1.22	1.42	0.98	5130
	24	60	78	95	146	$30\ ^{+.021}_{0}$	$30\ ^{0}_{-.013}$	45	$30\ ^{+.025}_{0}$	$30\ ^{0}_{-.013}$	20	31	36	25	
SHF57DT..	0.98	2.95	3.46	4.39	6.97	—	—	1.97	—	—	0.79	1.26	1.46	0.98	8410
	25	75	88	111.5	177	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	50	$35\ ^{+.025}_{0}$	$35\ ^{0}_{-.016}$	20	32	37	25	
SHF67DT/DV..	1.67	3.31	3.94	4.70	7.72	—	—	2.56	—	—	0.79	1.50	1.69	0.98	14600
	42.5	84	100	119.5	196	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	65	$40\ ^{+.025}_{0}$	$40\ ^{0}_{-.016}$	20	38	43	25	
SHF77DT/DV..	1.79	4.13	4.76	5.79	9.49	—	—	3.15	—	—	1.18	1.42	1.61	1.38	28300
	45.5	105	121	147	241	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	80	$50\ ^{+.025}_{0}$	$50\ ^{0}_{-.016}$	30	36	41	35	
SHF87DT/DV..	2.07	4.92	6.46	6.93	11.42	—	—	3.74	—	—	1.57	1.57	1.77	1.77	53100
	52.5	125	164	176	290	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	95	$65\ ^{+.030}_{0}$	$65\ ^{0}_{-.019}$	40	40	45	45	
SHF97DT/DV..	2.36	5.71	7.28	8.05	13.19	—	—	4.72	—	—	1.97	2.17	2.36	2.17	79700
	60	145	185	204.5	335	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	120	$75\ ^{+.030}_{0}$	$75\ ^{0}_{-.019}$	50	55	60	55	

Consult appropriate gearmotor dimension page for additional dimension of the speed reducer.

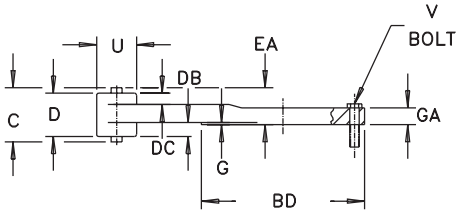
[1] Previous SAF../S gear units (i.e. SA62) had different values
[2] Maximum transmissible torque, in lb-in, of the shrink disc

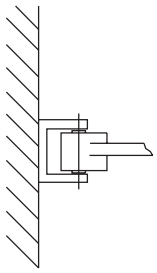


SA37 – SA67

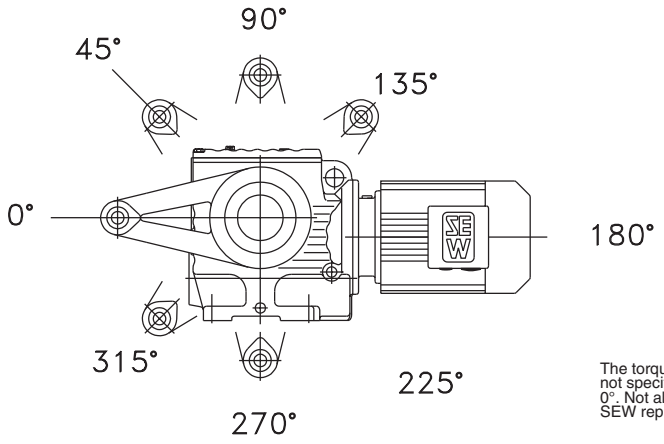


SA77 – SA97





Anchoring of the torque arm

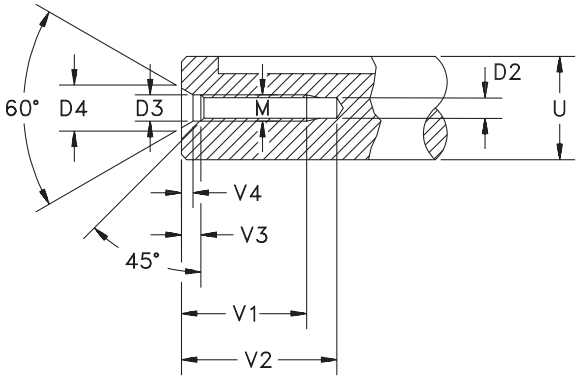


The torque arm can be placed at 45° intervals. If not specified, the torque arm will be supplied at 0°. Not all locations are available. Contact your SEW representative for more information.

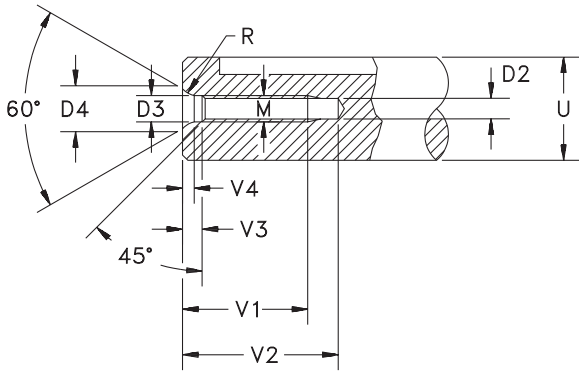
Dimensions are $\frac{\text{inch}}{\text{mm}}$

Model	AJ	AK	BF	BD	C	D	DB	DC	EA	FU	G	GA	O	U	V	Part Number
SA37T..	2.95	2.36	0.26	3.54	1.42	1.22	0.33	0.57	1.02	0.41 $^{+.004}_{-.004}$	0.04	0.35	4.33	1.65	M6 × 0.63	126 994 1
	75	60	6.6	90	36	31	8.5	14.5	26	10.4 $^{+0.1}_{-0.1}$	1	9	110	42	M6 × 16	
SA47T..	4.53	3.23	0.35	5.35	1.42	1.22	0.61	0.26	0.81	0.41 $^{+.004}_{-.004}$	0.10	0.59	5.12	1.65	M8 × 0.98	644 237 4
	115	82	9	136	36	31	15.5	6.5	20.5	10.4 $^{+0.1}_{-0.1}$	2.5	15	130	42	M8 × 25	
SA57T..	4.02	3.23	0.35	4.80	1.42	1.22	0.65	0.18	0.73	0.41 $^{+.004}_{-.004}$	0.06	0.59	6.30	1.65	M8 × 0.98	644 240 4
	102	82	9	122	36	31	16.5	4.5	18.5	10.4 $^{+0.1}_{-0.1}$	1.5	15	160	42	M8 × 25	
SA67T..	5.12	4.02	0.53	6.18	1.42	1.22	0.61	0.14	0.77	0.41 $^{+.004}_{-.004}$	0.06	0.71	7.87	1.65	M12 × 1.38	644 243 9
	130	102	13.5	157	36	31	15.5	3.5	19.5	10.4 $^{+0.1}_{-0.1}$	1.5	18	200	42	M12 × 35	
SA77T..	6.10	4.92	0.53	7.17	2.36	2.13	1.04	0.53	1.28	0.65 $^{+.003}_{-.003}$	0.08	0.71	9.84	2.36	M12 × 1.38	644 246 3
	155	125	13.5	182	60	54	26.5	13.5	32.5	16.4 $^{+0.08}_{-0.08}$	2	18	250	60	M12 × 35	
SA87T..	7.09	5.67	0.69	8.58	2.36	2.13	1.32	0.10	1.00	0.65 $^{+.003}_{-.003}$	0.08	0.94	12.20	2.36	M16 × 1.77	644 249 8
	180	144	17.5	218	60	54	33.5	2.5	25.5	16.4 $^{+0.08}_{-0.08}$	2	24	310	60	M16 × 45	
SA97T..	8.66	7.28	0.69	10.24	3.15	2.83	1.73	0.31	1.30	0.98 $^{+.003}_{-.003}$	0.04	1.02	14.96	3.15	M16 × 1.97	644 252 8
	220	185	17.5	260	80	72	44	8	33	25 $^{+0.08}_{-0.08}$	1	26	380	80	M16 × 50	

Inch Shaft



Metric Shaft



Inch Shaft

Dimensions are inch

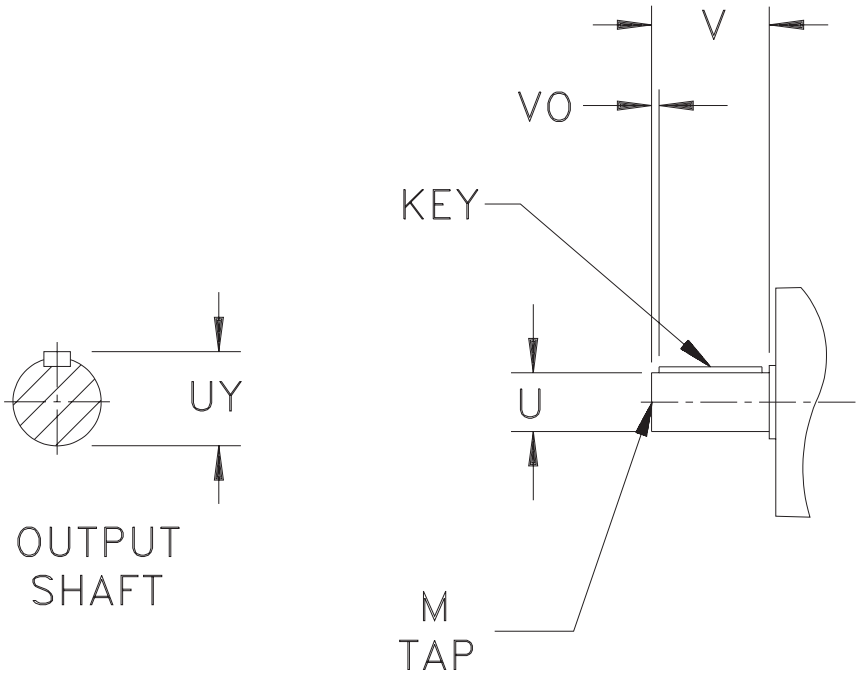
Shaft Diameter - U from	Shaft Diameter - U through[1)]	M	D2	D3	D4	V1 $^{+.079}_{-0}$	V2 min.	V3 $^{+.039}_{-0}$	V4 approximate
0	13/16	1/4 - 20	0.2086	0.256	0.374	0.630	0.787	0.197	0.102
7/8	15/16	5/16 - 18	0.2638	0.327	0.472	0.866	1.102	0.236	0.126
1	1 1/8	3/8 - 16	0.3189	0.386	0.571	0.866	1.102	0.295	0.169
1 1/4	1 3/8	1/2 - 13	0.4330	0.531	0.768	1.122	1.417	0.374	0.205
1 1/2	1 7/8	5/8 - 11	0.5433	0.654	0.984	1.378	1.772	0.472	0.283
2	3 1/4	3/4 - 10	0.6693	0.795	1.181	1.614	2.047	0.591	0.335
3 3/8	5	1 - 8	0.8858	1.016	1.457	2.126	2.756	0.709	0.394
5 1/16 and over		1 1/8 - 7	0.9844	1.181	1.638	2.441	3.307	0.787	0.394

Metric Shaft

Dimensions are mm

Shaft Diameter - U from	Shaft Diameter - U through[1)]	M	D2	D3	D4	R	V1 $^{+2}_{-0}$	V2 min.	V3	V4 approximate
7	10	M3	2.5	3.2	5.3	4.0	9.0	12.0	2.6	1.8
10	13	M4	3.3	4.3	6.7	5.0	10.0	14.0	3.2	2.1
13	16	M5	4.2	5.3	8.1	6.3	12.5	17.0	4.0	2.4
16	21	M6	5.0	6.4	9.6	8.0	16.0	21.0	5.0	2.8
21	24	M8	6.8	8.4	12.2	10.0	19.0	25.0	6.0	3.3
24	30	M10	8.5	10.5	14.9	16.0	22.0	30.0	7.5	3.8
30	38	M12	10.2	13.0	18.1	20.0	28.0	37.0	9.5	4.4
38	50	M16	14.0	17.0	23.0	25.0	36.0	45.0	12.0	5.2
50	85	M20	17.5	21.0	28.4	31.5	42.0	53.0	15.0	6.4
85	130	M24	21.0	25.0	34.2	40.0	50.0	63.0	18.0	8.0
130 and over		M30	26.5	31.0	42.6	50.0	63.0	85.0	20.0	10.0

[1)] up to and including this diameter



Inch Shafts

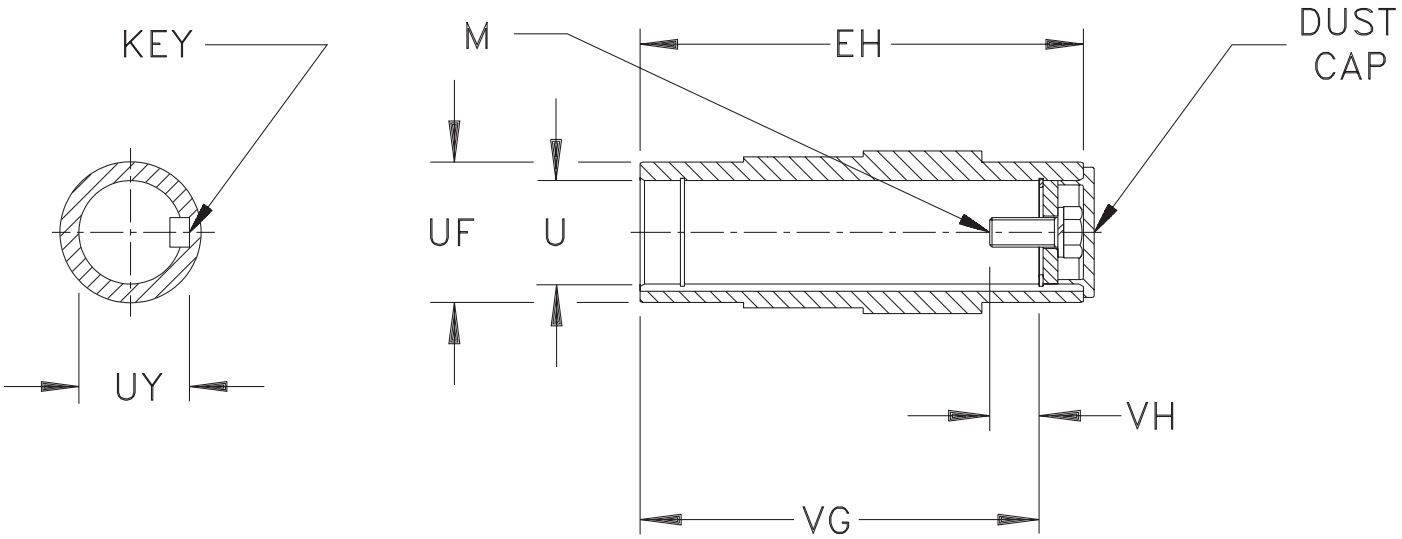
Dimensions are inch

Model	U	UY	V	VO	Key	M
S/SF37	0.750 $^{0}_{-.0005}$	0.83	1.57	0.25	3/16 × 3/16 × 1 1/16	1/4 - 20 × 0.63
S/SF47	1.000 $^{0}_{-.0005}$	1.11	1.97	0.32	1/4 x 1/4 x 1 5/16	3/8 - 16 × 0.87
S/SF57	1.250 $^{0}_{-.0005}$	1.36	2.36	0.26	1/4 x 1/4 x 1 11/16	1/2 - 13 x 1.12
S/SF67	1.375 $^{0}_{-.0005}$	1.51	2.76	0.43	5/16 x 5/16 x 1 13/16	1/2 - 13 x 1.12
S/SF77	1.750 $^{0}_{-.001}$	1.92	3.54	0.38	3/8 x 3/8 x 2 3/4	5/8 - 11 x 1.38
S/SF87	2.375 $^{0}_{-.001}$	2.65	4.72	0.51	5/8 x 5/8 x 3 5/8	3/4 - 10 x 1.61
S/SF97	2.875 $^{0}_{-.001}$	3.20	5.51	0.67	3/4 x 3/4 x 4 1/8	3/4 - 10 x 1.61

Metric Shafts

Dimensions are mm

Model	U	UY	V	VO	Key	M
S/SF37	20 $^{+.012}_{+.001}$	22.5	40	4	6 × 6 × 32	M6 × 16
S/SF47	25 $^{+.015}_{+.002}$	28	50	5	8 x 7 x 40	M10 x 22
S/SF57	30 $^{+.015}_{+.002}$	33	60	3.5	8 x 7 x 50	M10 x 22
S/SF67	35 $^{+.018}_{+.002}$	38	70	7	10 x 8 x 56	M12 x 28
S/SF77	45 $^{+.018}_{+.002}$	48.5	90	5	14 x 9 x 80	M16 x 36
S/SF87	60 $^{+.030}_{+.011}$	64	120	5	18 x 11 x 110	M20 x 42
S/SF97	70 $^{+.030}_{+.011}$	74.5	140	7.5	20 x 12 x 125	M20 x 42



OUTPUT HOLLOWSHAFT

Inch Shafts

Dimensions are inch

Model	EH	U	UF	UY	VG	VH	Key	M
SA/SAF37	4.72	$0.750^{+.0007}_{+.0005}$	1.38	0.84	4.09	0.37	3/16 × 3/16 × 1 1/4	1/4 - 20 × 5/8
SA/SAF47	4.72	$1.250^{+.0005}_{-0}$	1.77	1.37	4.13	0.67	1/4 × 1/4 x 1 5/16	7/16 - 14 x 1
SA/SAF57	5.91	$1.375^{+.0005}_{-0}$	1.97	1.52	5.20	0.65	5/16 x 5/16 x 1 13/16	1/2 - 13 x 1
	5.91	$1.250^{+.001}_{-0}$	1.97	1.37	5.20	0.67	1/4 x 1/4 x 1 11/16	7/16 - 14 x 1
SA/SAF67	6.61	$1.500^{+.001}_{-0}$	2.56	1.67	5.67	1.36	3/8 x 3/8 x 2 1/4	5/8 - 11 x 1 3/4
SA/SAF77	8.27	$2.000^{+.001}_{-0}$	3.15	2.22	7.20	1.16	1/2 x 1/2 x 2 5/8	5/8 - 11 x 1 3/4
SA/SAF87	9.84	$2.375^{+.001}_{-0}$	3.74	2.65	8.66	1.37	5/8 x 5/8 x 3 1/4	3/4 - 10 x 2
SA/SAF97	11.42	$2.750^{+.001}_{-0}$	4.72	3.03	10.23	1.24	5/8 x 5/8 x 3 1/4	3/4 - 10 x 2

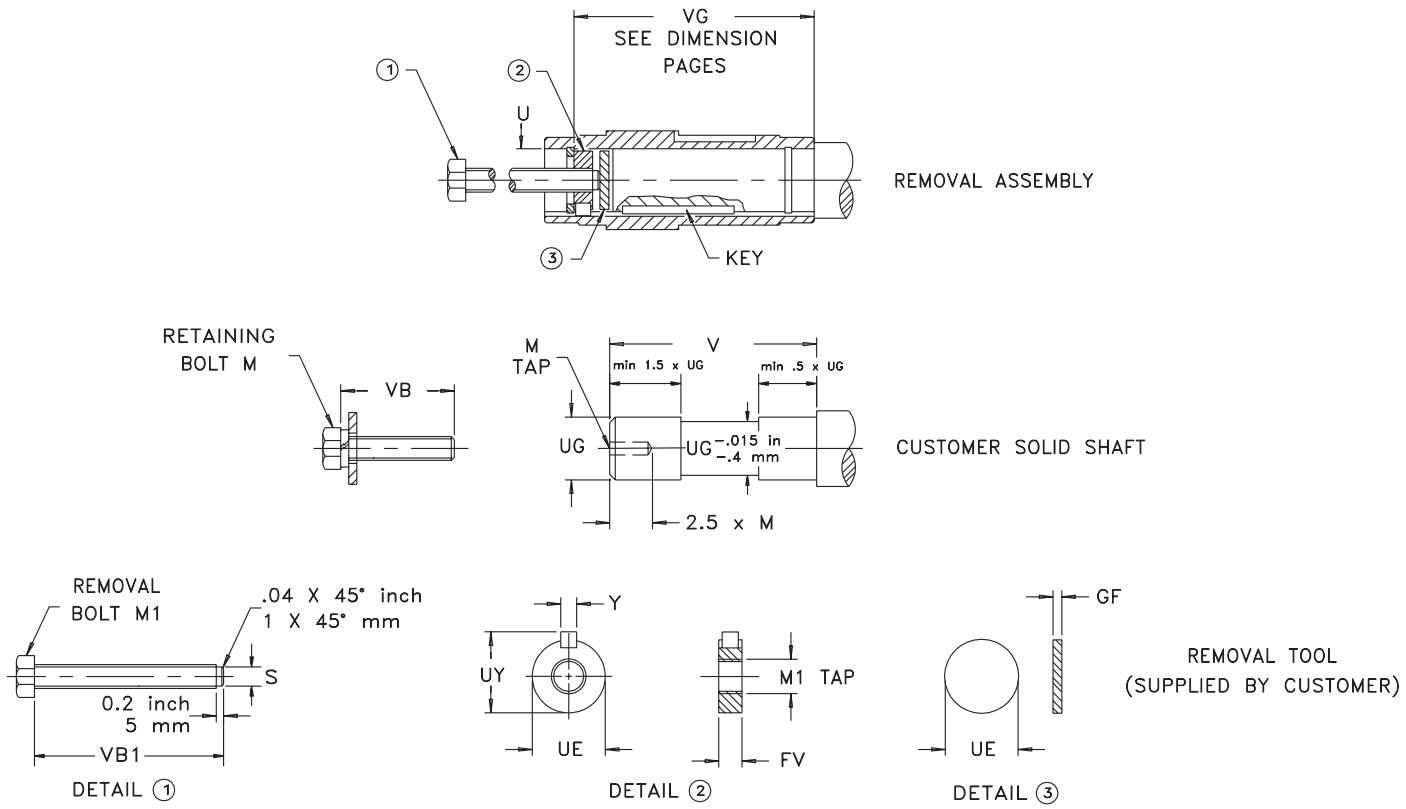
Metric Shafts

Dimensions are mm

Model	EH	U	UF	UY	VG	VH	Key	M
SA/SAF37	120	$20^{+.021}_{-0}$	35	22.8	104	8	6 x 6 x 32	M6 × 16
SA/SAF47	120	$30^{+.021}_{-0}$	45	33.3	105	17	8 x 7 x 40	M10 x 25
	120	$25^{+.021}_{-0}$	45	28.3	105	17	8 x 7 x 40	M10 x 25
SA/SAF57	150	$35^{+.025}_{-0}$	50	38.3	132	22	10 x 8 x 45	M12 x 30
	150	$30^{+.021}_{-0}$	50	33.3	132	17	8 x 7 x 50	M10 x 25
SA/SAF67	168	$45^{+.025}_{-0}$	65	48.8	144	29	14 x 9 x 40	M16 x 40
	168	$40^{+.025}_{-0}$	65	43.3	144	29	12 x 8 x 50	M16 x 40
SA/SAF77	210	$60^{+.030}_{-0}$	80	64.4	180	37	18 x 11 x 63	M20 x 50
	210	$50^{+.025}_{-0}$	80	53.8	183	32	14 x 9 x 80	M16 x 45
SA/SAF87	250	$70^{+.030}_{-0}$	95	74.9	220	34	20 x 12 x 110	M20 x 50
	250	$60^{+.030}_{-0}$	95	64.4	220	36	18 x 11 x 100	M20 x 50
SA/SAF97	290	$90^{+.035}_{-0}$	120	95.4	255	41	25 x 14 x 140	M24 x 60
	290	$70^{+.030}_{-0}$	120	74.9	260	34	20 x 12 x 110	M20 x 50

Recommended Design for Customer Solid Shaft & Assembly/Disassembly Tool

When using conventional tools to remove a shaft mounted gear unit, the dismantling forces are exerted via the reducer housing and bearings and may damage the machine's drive shaft or the gear unit. To simplify the removal from the machine's drive shaft, a tool can be made as shown. A round, keyed nut (2) is inserted into the free space between the end of the machine drive shaft and the snapring in the gear unit's hollowshaft. A removal bolt (1) is screwed into the nut and presses a disc (3) against the end face of the machine drive shaft, forcing the machine drive shaft out of the hollowshaft. Please note the securing bolt normally supplied with the gear unit's hollowshaft must be replaced with a bolt as shown and the customer solid shaft should be manufactured in accordance with the dimensions shown here.



INCH Bore Hollowshaft

All dimensions are inch

Model	FV	GF	M	M1	S	U	UE –.01	UG*	UY Max.	V	VB	VB1	Y Max.
SA/SAF37	0.39	0.20	1/4 –20	3/8 –24	0.25	0.750	.745	.750	0.82	3.23	1.50	4.75	.187
SA/SAF47	0.59	0.20	7/16 –14	5/8 –18	0.50	1.250	1.245	1.250	1.35	3.23	2.00	6.00	.250
SA/SAF57	0.59	0.20	1/2 –13	5/8 –18	0.50	1.375	1.370	1.375	1.50	4.29	2.00	6.00	.3125
SA/SAF67	0.79	0.20	5/8 –11	1 –14	0.81	1.500	1.495	1.500	1.65	4.53	2.75	8.50	.375
SA/SAF77	0.79	0.20	5/8 –11	1 –14	0.81	2.000	1.995	2.000	2.20	6.14	2.75	8.50	.500
SA/SAF87	0.94	0.31	3/4 –10	1 1/4 –12	1.00	2.375	2.370	2.375	2.63	7.25	3.50	10.00	.625
SA/SAF97	0.94	0.31	3/4 –10	1 1/4 –12	1.00	2.750	2.745	2.750	3.01	8.83	3.50	14.00	.625

Hollowshafts are bored to the tolerances shown for **U** in the dimension pages. An appropriate dimensional tolerance should be chosen from the table below for the machine shaft based on the nature of the load.

***Tolerance for Shaft Diameter UG**

UG	Load Class		
	I	II	III
.750	+.0005 -.0006	+.0009 -.0003	+.0011 -0
1.250 – 1.500	+0 –.0011	+.0004 –.0007	+.0007 –.0004
2.000 – 2.938	+0 –.0009	+.0005 –.0005	+.0008 –.0001
3.250 – 4.000	+0 –.0012	+.0005 –.0007	+.0010 –.0003

Load Class I = **Uniform Load and** $\frac{J_L}{J_M} \leq 0.2$

Load Class II = **Moderate Shock Load and** $\frac{J_L}{J_M} \leq 3.0$

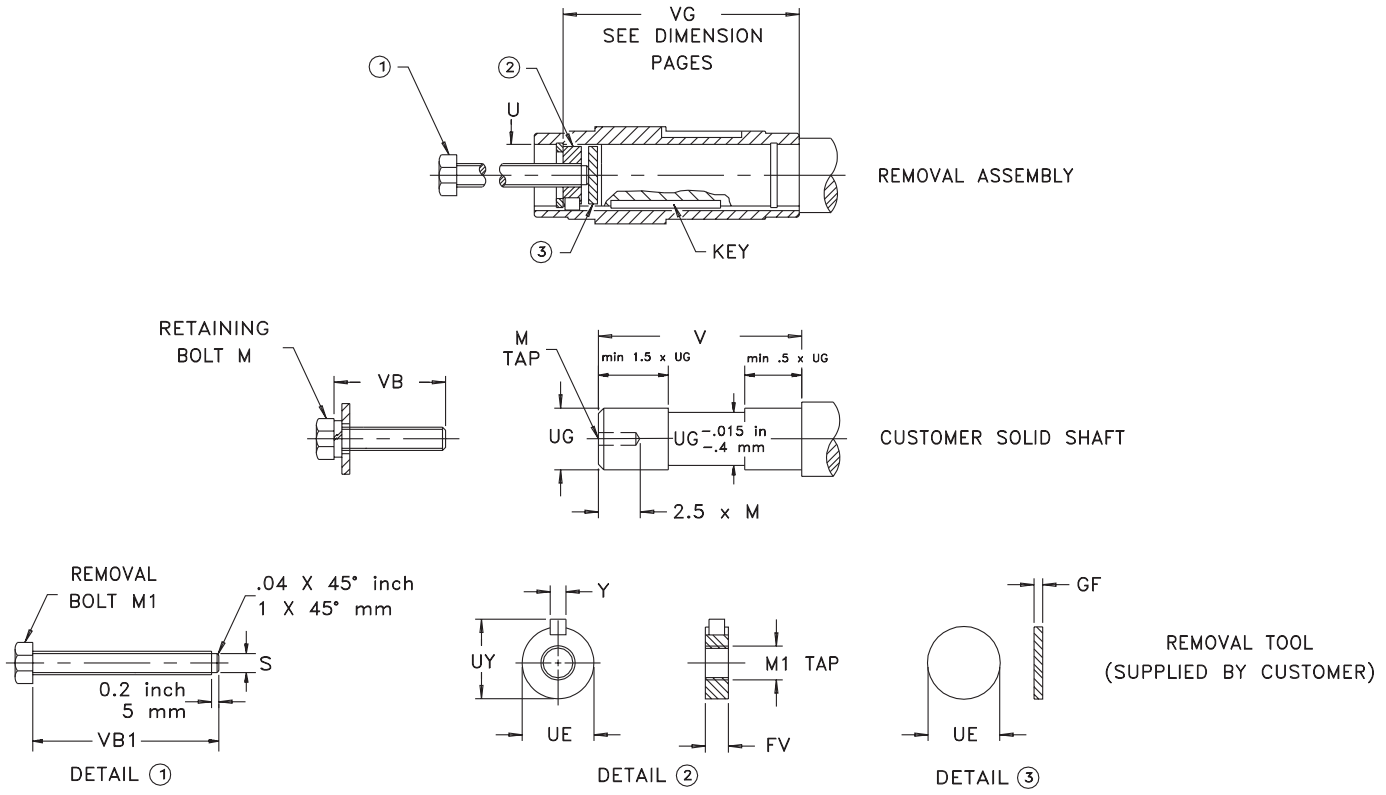
Load Class III = **Heavy Shock Load and** $\frac{J_L}{J_M} \leq 10$

J_L = **Load Inertia reflected to reducer input**

J_M = **Motor Inertia**

Recommended Design for Customer Solid Shaft & Assembly/Disassembly Tool

When using conventional tools to remove a shaft mounted gear unit, the dismantling forces are exerted via the reducer housing and bearings and may damage the machine's drive shaft or the gear unit. To simplify the removal from the machine's drive shaft, a tool can be made as shown. A round, keyed nut (2) is inserted into the free space between the end of the machine drive shaft and the snapring in the gear unit's hollowshaft. A removal bolt (1) is screwed into the nut and presses a disc (3) against the end face of the machine drive shaft, forcing the machine drive shaft out of the hollowshaft. Please note the securing bolt normally supplied with the gear unit's hollowshaft must be replaced with a bolt as shown and the customer solid shaft should be manufactured in accordance with the dimensions shown here.



METRIC Bore Hollowshaft

All dimensions are mm

Model	FV	GF	M	M1	S	U	UE –0.2	UG*	UY Max.	V	VB	VB1	Y Max.
SA/SAF37	10	5	M6	M10 × 1.5	7	20	19.9	20	22.5	82	40	120	6
SA/SAF47	15	5	M10	M16 × 1.5	13	25	24.9	25	28	82	50	150	8
SA/SAF47	15	5	M10	M16 × 1.5	13	30	29.9	30	33	82	50	150	8
SA/SAF57	15	5	M10	M16 × 1.5	13	30	29.9	30	33	109	50	150	8
SA/SAF57	15	5	M12	M16 × 1.5	13	35	34.9	35	38	109	55	150	10
SA/SAF67	20	5	M16	M24 × 1.5	20	40	39.9	40	43	114	70	220	12
SA/SAF67	20	5	M16	M24 × 1.5	20	45	44.9	45	48	114	70	220	14
SA/SAF77	20	5	M16	M24 × 1.5	20	50	49.9	50	53.5	153	70	220	14
SA/SAF77	24	8	M20	M30 × 1.5	26	60	59.9	60	64	143	90	250	18
SA/SAF87	24	8	M20	M30 × 1.5	26	60	59.9	60	64	183	90	250	18
SA/SAF87	24	8	M20	M30 × 1.5	26	70	69.9	70	74.5	182	90	250	20
SA/SAF97	24	8	M20	M30 × 1.5	26	70	69.9	70	74.5	222	90	360	20
SA/SAF97	24	8	M24	M30 × 1.5	26	90	89.9	90	95	217	100	360	25

Hollowshafts are bored to the tolerances shown for **U** in the dimension pages. An appropriate dimensional tolerance should be chosen from the table below for the machine shaft based on the nature of the load.

***Tolerance for Shaft Diameter UG**

UG	Load Class		
	I	II	III
20 - 30	+0 –.013	+.009 –.004	+.015 +.002
35 - 50	+0 –.016	+.011 –.005	+.018 +.002
60 - 80	+0 –.019	+.012 –.007	+.021 +.002
90 - 120	+0 –.022	+.013 –.009	+.025 +.003

Load Class I = **Uniform Load and** $\frac{J_L}{J_M} \leq 0.2$

Load Class II = **Moderate Shock Load and** $\frac{J_L}{J_M} \leq 3.0$

Load Class III = **Heavy Shock Load and** $\frac{J_L}{J_M} \leq 10$

J_L = **Load Inertia reflected to reducer input**

J_M = **Motor Inertia**

Technical Data
Weights

Listed below are weights for complete units less oil. Reducer weights less input cover are shown in the **Gear Unit** chart and combined reducer and motor weights are shown in the **Gearmotor** chart. For flanged and/or hollowshaft reducers as well as gearmotors add the flange and/or hollowshaft weight shown in the **Gear Unit** chart (a negative value must be subtracted). For brakemotors add the brake weight listed at the bottom of the **Gearmotor** chart.

Note: Oil weighs approximately 7.5 lbs/gallon (2 lbs/liter). Reference Lubrication Sheet for volume of oil required. All weights in lbs.

Note: All weights listed are approximations based on the heaviest unit of the type listed.

		Add for		
Model	**Reducer**	**SF**	**SA**	**SAF**
S37	13	4	0	3
S37R17	—	4	0	3
S47	20	8	2	7
S47R17	—	8	2	7
S57	29	8	0	6
S57R17	—	8	0	6
S67	53	14	2	12
S67R37	77	14	2	12
S77	93	22	0	14
S77R37	119	22	0	14
S87	170	46	-7	29
S87R57	232	46	-7	29
S97	298	67	-11	44
S97R57	364	67	-11	44

	DT			
Model	**71**	**80**	**90**	**100**
S37	26	33	44	—
S37R17	—	—	—	—
S47	33	40	55	—
S47R17	40	—	—	—
S57	42	49	64	86
S57R17	49	53	—	—
S67	66	73	90	115
S67R37	90	97	—	—
S77	—	119	132	157
S77R37	132	139	150	—
S87	—	198	212	243
S87R57	243	243	265	276
S97	—	—	342	364
S97R57	375	375	397	419
Add for Brake	6	6	22	22
Add for Double Disc Brake	—	—	—	—

	DV								
Model	**112M**	**132S**	**132M**	**132ML**	**160M**	**160L**	**180M**	**180L**	**200**
S37	—	—	—	—	—	—	—	—	—
S37R17	—	—	—	—	—	—	—	—	—
S47	—	—	—	—	—	—	—	—	—
S47R17	—	—	—	—	—	—	—	—	—
S57	—	—	—	—	—	—	—	—	—
S57R17	—	—	—	—	—	—	—	—	—
S67	130	141	—	—	—	—	—	—	—
S67R37	—	—	—	—	—	—	—	—	—
S77	170	185	232	254	—	—	—	—	—
S77R37	—	—	—	—	—	—	—	—	—
S87	254	265	309	331	342	430	—	—	—
S87R57	—	—	—	—	—	—	—	—	—
S97	386	397	441	463	474	562	673	706	—
S97R57	430	—	—	—	—	—	—	—	—
Add for Brake	26	33	53	55	55	93	90	93	112
Add for Double Disc Brake	—	—	—	—	—	—	99	101	121

Each gear unit is supplied from the factory with the correct grade and quantity of lubricant for the specified mounting position. The following lubricants are supplied from our North American Facilities. Under special circumstances such as high or low ambient temperatures optional oils should be used.

Standard Oil

USA			
Gear Units	**Type**	**Manufacturer**	**Ambient Temperature °C**
S..37 - 97	Mobilgear 636 [M]	Mobil Oil Corp.	0 to +40
CANADA			
S..47 - 97	Omala 680 [M]	Shell Oil Co.	0 to +40
S..37 - 97	Tribol 800/680 [S]	Tribol	0 to +60

[M] Mineral Oil
[S] Synthetic Oil

Optional Oil

USA			
Gear Units	**Type**	**Manufacturer**	**Ambient Temperature °C**
S..47 - 97	Mobilgear 630 [M]	Mobil Oil Corp.	-15 to +25
S..37 - 97	Mobil SHC634 [S]		-25 to +60
CANADA			
S..47 - 97	Omala 200 [M]	Shell Oil Co.	-15 to +25
S..37 - 97	Tivela SD460 [S]	Shell Oil Co.	-25 to +10

[M] Mineral Oil
[S] Synthetic Oil

For ball and roller bearings of gear units the following greases are recommended:

Mineral Grease

Type	**Manufacturer**	**Ambient Temperature °C**
Mobilux EP2	Mobil Oil Corp.	-20 to +40
Alvania Grease R3	Shell Oil Co.	-30 to +60

Synthetic Grease

Type	**Manufacturer**	**Ambient Temperature °C**
Mobiltemp SHC 32	Mobil Oil Corp.	-45 to +60

The approximate lubricant in US **gallons and liters** per mounting position is as follows:

Gear Unit	Mounting Position											
	M1		M2		M3 [1]		M4		M5		M6	
	Gallons	Liters	Gallons	Liters	Gallons	Liters	Gallons	Liters	Gallons	Liters	Gallons	Liters
S37	0.07	0.25	0.11	0.4	0.13	0.5	0.16	0.6	0.11	0.4	0.11	0.4
S47	0.09	0.35	0.21	0.8	0.18 (0.24)	0.7 (0.9)	0.29	1.1	0.21	0.8	0.21	0.8
S57	0.13	0.5	0.32	1.2	0.26 (0.32)	1 (1.2)	0.40	1.5	0.34	1.3	0.34	1.3
S67	0.26	1	0.53	2	0.58 (0.82)	2.2 (3.1)	0.85	3.2	0.69	2.6	0.69	2.6
S77	0.50	1.9	1.11	4.2	0.98 (1.43)	3.7 (5.4)	1.59	6	1.16	4.4	1.16	4.4
S87	0.87	3.3	2.14	8.1	1.82 (2.75)	6.9 (10.4)	3.17	12	2.22	8.4	2.22	8.4
S97	1.80	6.8	3.96	15	3.54 (4.76)	13.4 (18)	5.94	22.5	4.49	17	4.49	17
SF37	0.07	0.25	0.11	0.4	0.13	0.5	0.16	0.6	0.11	0.4	0.11	0.4
SF47	0.11	0.4	0.24	0.9	0.24 (0.29)	0.9 (1.1)	0.32	1.2	0.26	1	0.26	1
SF57	0.13	0.5	0.32	1.2	0.26 (0.40)	1 (1.5)	0.42	1.6	0.37	1.4	0.37	1.4
SF67	0.26	1	0.58	2.2	0.61 (0.79)	2.3 (3)	0.85	3.2	0.71	2.7	0.71	2.7
SF77	0.50	1.9	1.08	4.1	1.03 (1.53)	3.9 (5.8)	1.72	6.5	1.29	4.9	1.29	4.9
SF87	1.00	3.8	2.11	8	1.88 (2.67)	7.1 (10.1)	3.17	12	2.40	9.1	2.40	9.1
SF97	1.96	7.4	3.96	15	3.65 (4.97)	13.8 (18.8)	6.24	23.6	4.76	18	4.76	18
SA/SH37 SAF/SHF37 SAZ/SHZ37	0.07	0.25	0.11	0.4	0.13	0.5	0.16	0.6	0.11	0.4	0.11	0.4
SA/SH47 SAF/SHF47 SAZ/SHZ47	0.11	0.4	0.21	0.8	0.18 (0.24)	0.7 (0.9)	0.29 [2]	1.1 [2]	0.21	0.8	0.21	0.8
SA/SH57 SAF/SHF57 SAZ/SHZ57	0.13	0.5	0.29	1.1	0.26 (0.40)	1 (1.5)	0.42	1.6	0.32	1.2	0.32	1.2
SA/SH67 SAF/SHF67 SAZ/SHZ67	0.26	1	0.53	2	0.48 (0.69)	1.8 (2.6)	0.77	2.9	0.66	2.5	0.66	2.5
SA/SH77 SAF/SHF77 SAZ/SHZ77	0.48	1.8	1.03	3.9	0.95 (1.32)	3.6 (5)	1.56	5.9	1.19	4.5	1.19	4.5
SA/SH87 SAF/SHF87 SAZ/SHZ87	1.00	3.8	1.96	7.4	1.59 (2.30)	6 (8.7)	2.96	11.2	2.11	8	2.11	8
SA/SH97 SAF/SHF97 SAZ/SHZ97	1.85	7	3.70	14	3.01 (4.23)	11.4 (16)	5.55	21	4.15	15.7	4.15	15.7

[1] On compound gear units the primary (larger) gear unit is provided with the oil quantity in parenthesis.

[2] When combined with a 2-pole motor at M4 mounting position, the oil quantity must be reduced to 0.28 gallons (1.05 liters).

For compound drives the R reducer requires its own oil filling as shown in the chart:

Gear Unit	Mounting Position					
	M1/M3/M5/M6		M2		M4	
	Gallons	Liters	Gallons	Liters	Gallons	Liters
R17	0.07	0.25	0.16	0.6	0.16	0.6
R37	0.11	0.4	0.24	0.9	0.29	1.1
R57	0.21	0.8	0.48	1.8	0.53	2

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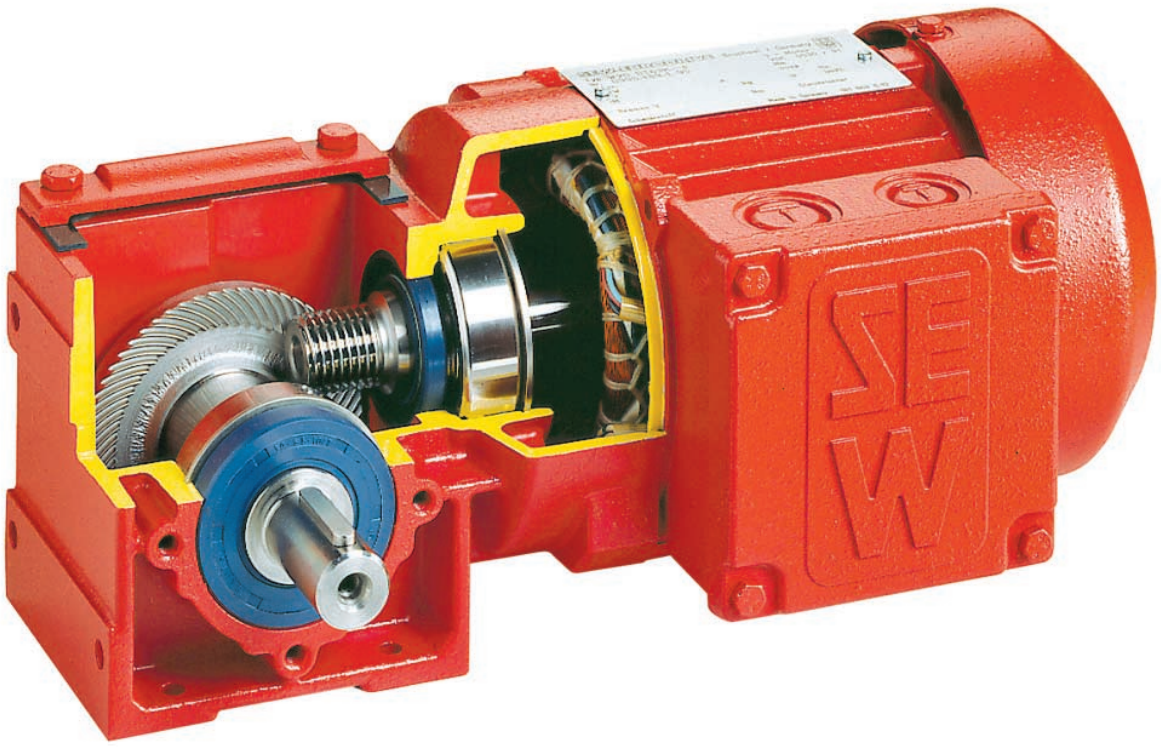
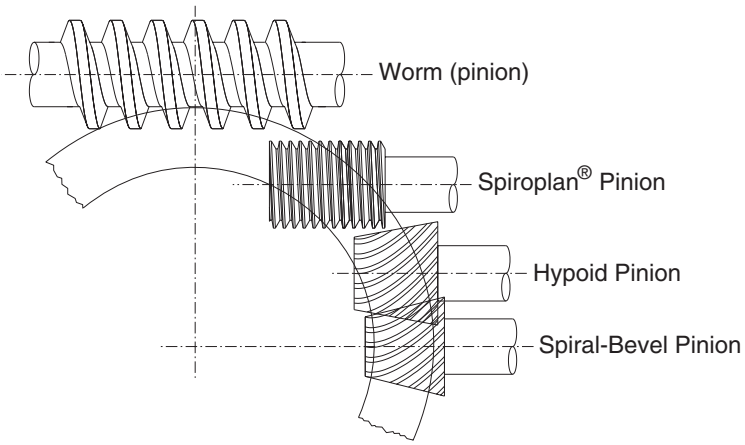


With the introduction of the Spiroplan® line of gearmotors, SEW has expanded our small power ratings for use in:

- Small conveyors
- Packaging machines
- Assembly and handling systems

The Spiroplan® is suitable for these applications due to:

- Small size
- Light weight
- Compact
- Durable (wear free gearing)
- Quiet operation
- High shock load capacity



Introduction

The SEW-Eurodrive Spiroplan® Gear Units are designed for continuous duty under difficult operating conditions. Only materials of the highest quality are used in the manufacture of the units. These units have the following standard construction features:

- Gearcase of die cast aluminum
- Double-lip oil seals on output shafts.
- Captured key on output shafts
- Foot mounted, flange moutned, flange mounted with hollowshaft, or shaft mounted.

Efficiency

The efficiency of the gear units is mostly determined by the gearing and bearing friction, and ranges up to approximately 87%. However, due to the sliding friction of the Spiroplan® gearing, the actual efficiency depends upon the gear ratio and input speed.

The rated efficiencies are achieved if the gear unit has been correctly run in, has achieved its nominal operating temperature, has the proper lubrication, and is operating within its torque rating.

Backdriving

With respect to torque driving back from the output shaft, the backdriving efficiency $\eta' = 2 - \frac{1}{\eta}$ is far less favorable than the forward efficiency η and may need to be taken into account.

The low backdriving efficiency may provide some braking effect in certain instances but since the actual efficiency is dependent on many factors including ambient temperature and pinion speed, we request you submit full details to our engineering department if this braking effect is required.

Since SEW-Eurodrive Spiroplan® gear units have fairly high efficiency, they can not be considered as self-locking, and should not be used if the self-locking effect is required.

Abbreviations

The following abbreviations are used in the selection tables:

f_B	Service Factor
F_{Ra}	Permissible output overhung load (lb) at the midpoint of the output shaft extension for W and WF units and at the face of the hollowshaft for WA and WAF units
i	Gear unit ratio
n_a	Output speed in rpm
P_n	Motor rated power (HP)
T_a	Output torque (lb-in.) with reference to the driving motor

Dimension Page Notes

The dimension sheets are valid for standard units with various basic features. In particular, motor accessories, such as canopies, ventilators, etc. will alter the basic dimensions.

Certified dimension sheets are available from your SEW-Eurodrive Assembly Center.

Unit Selection

In order to select the most suitable gear unit it is essential that a thorough knowledge of the characteristics of the driven machine are known. The gear units are normally designed for constant torque load and only a few starts/stops. If these conditions do not exist, it is necessary to determine a service factor, f_B, from the start/stop frequency, Load Class, and the daily operating time as shown in the diagram below.

For gearmotors, the appropriate service factor taken from the diagram is then compared with the service factor given with each speed/power combination listed in the gearmotor selection tables. To ensure a long, trouble free service life it is essential that the unit selected has a service factor equal to, or greater than, that determined from the diagram.

Load Classification

I = Uniform load. Permissible inertia acceleration factor ≤0.2

II = Moderate shock load. Permissible inertia acceleration factor ≤3.0

III = Heavy shock load. Permissible inertia acceleration factor ≤10

For inertia acceleration factor greater than 10, please contact your nearest SEW-Eurodrive representative.

$$\text{Inertia acceleration factor} = \frac{J_L}{J_M}$$

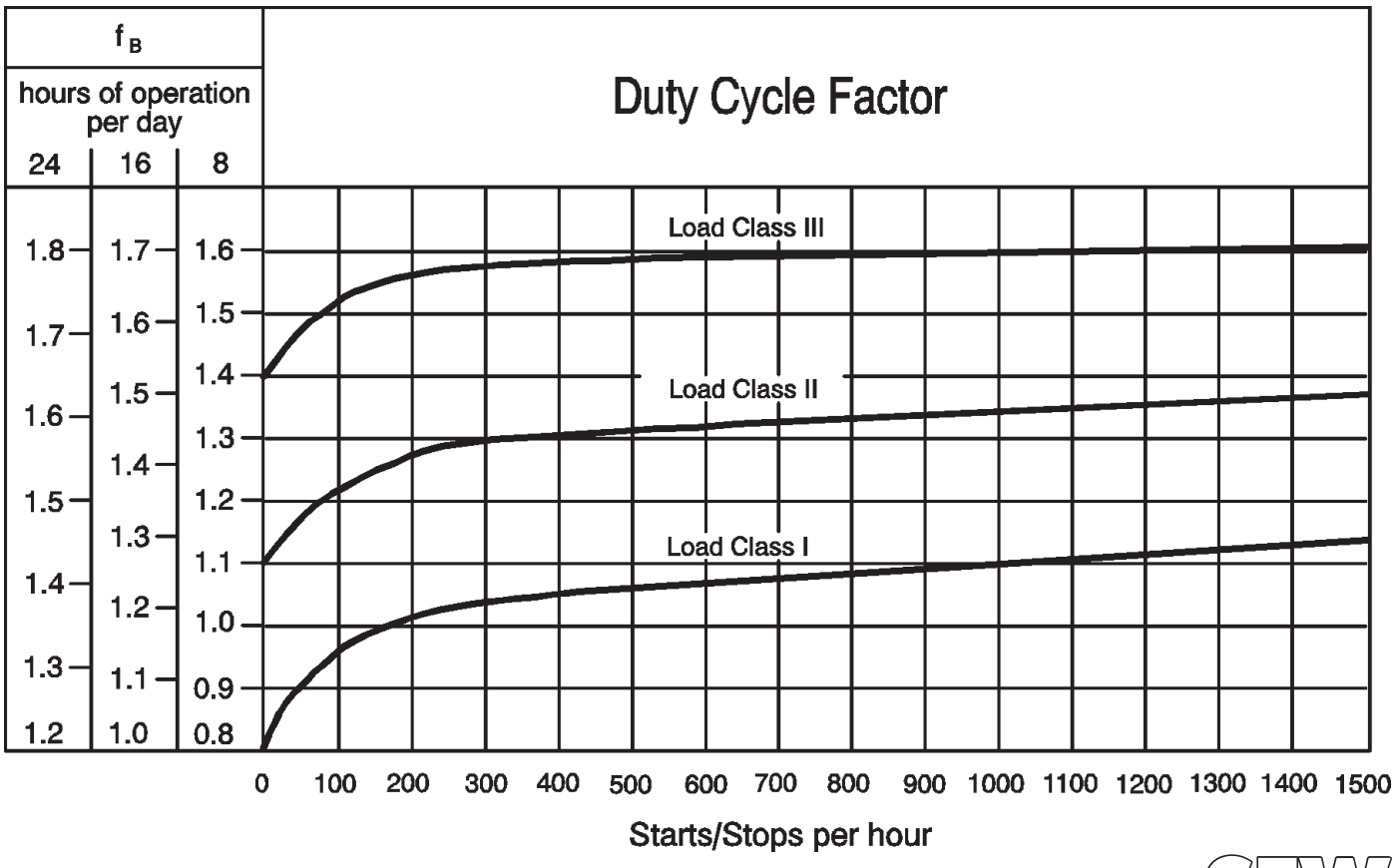
Where: J_L = Reflected Load Inertia
J_M = Motor Inertia

All external load inertias, J, must be reflected back to the input side of the gear unit.

$$\text{Example: } J_L = J \times \frac{1}{(\text{Gear Ratio})^2}$$

Included in the number of starts and stops per hour must be all regenerative brake actions and the speed changes from high to low speed as experienced with multi-speed motors.

Example: Load Class I with 200 starts and stops per hour and operating time of 24 hours per day gives $f_B = 1.36$.



SEW EURODRIVE

Overhung Loads, OHL, are a combination of live loads acting at right angles to the drive shaft caused by gears, sprockets, pulleys, couplings, etc., as well as dead loads applied directly on the shaft.

These overhung loads subject shaft bearings and shafts to stresses which, if exceeded, may cause premature failure of bearings and/or shaft breakage from bending fatigue.

Determination of Overhung Load - OHL

When determining the resulting overhung load, the type of transmission element mounted on the shaft end must be considered and a transmission element factor, f_z, must be included. The overhung load exerted on the output or input shafts can be calculated from the following formula. The resultant overhung load F must not exceed the permissible overhung load for the selected gear unit.

$$F = \frac{2T}{d_o} \times f_z$$

F = equivalent OHL in lbs.

T = load torque on the drive in lb-in.

d_o = pitch diameter of the gear, sprocket, or sheave in inches

f_z = transmission element factor

The transmission element factor, f_z, takes into account an additional radial force that is imposed on the shaft due to the type of transmission element: gear, chain sprocket, or sheave. There are gear teeth separating forces, pre-tensioning of belts, etc. that must be taken into account to determine the total equivalent radial loads. From applicational experience the following values of f_z should be used:

Transmission Element	Comments	f_z Factor
Spur or helical gears	≥ 17 teeth	1.0
	< 17 teeth	1.15
Chain Sprockets	≥ 20 teeth	1.0
	< 20 teeth	1.25
	< 13 teeth	1.4
Timing belt pulleys		1.3
V-belt pulleys		1.75
Flat belt pulleys		2.5

Permissible Output Shaft Loads - W/WF

The output shaft of the SEW-Eurodrive gear units are capable of accepting the axial and radial loads normally encountered by the mounting of gears, chain sprockets, belt pulleys, and shaft couplings. The permissible OHL under the most unfavorable conditions which can be applied at the midpoint of the shaft extensions for the gear unit types W and WF is shown in the respective speed/power selection tables as F_{Ra} in pounds. When the force is not applied at the midpoint of the shaft extension the F_{Ra} value must be adjusted according to the OHL conversion formulas.

It is possible in some instances for the OHL capacity to be substantially increased if the exact direction of the radial force is known. In such instances it is essential that full details be given to our engineering department to check the suitability of the unit selected.

Output OHL Conversion - W/WF

If the resultant OHL acts at a point other than at the midpoint of the output shaft extension, the permissible OHL, F_X, must be determined at the application point of the load according to the following formula:

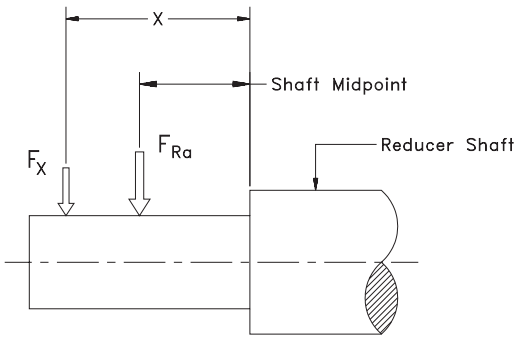
F_{Ra}-(lb.)	Permissible overhung load at the midpoint of the output shaft extension - see selection tables.
X-(in.)	Distance from the shoulder on the output shaft to the application point of load.
F_X-(lb.)	Permissible overhung load at the point X
a-(lb-in.)	Gear unit constant - see chart for values.
b,c,d-(in.)	Gear unit constant - see chart for values.

The permissible OHL is the smaller of the two values obtained from the following formulae, F_{XL} and F_{XW}, and is denoted as F_X. The permissible OHL, F_X, **must be** greater than the calculated equivalent overhung load, F.

Permissible OHL, $F_{XL} = F_{Ra} \times \frac{c}{d + x}$ (lb)

Permissible OHL based on shaft stress, $F_{XW} = \frac{a \times 10^3}{b + x}$ (lb)

Note: F_{XW} applies only when reducer torque, T_a, is maximum.



Frame Size	a lb-in.	b in.	c in.	d in.
W 20	0.39	0	3.88	3.09
WF20	0.39	0	5.06	4.27
W 30	0.53	0	4.31	3.52
WF30	0.53	0	5.35	4.57

Permissible Output Shaft Loads - WA/WAF

The permissible OHL under the most unfavorable conditions which can be applied at the face of the output hollowshaft for the gear unit type WA/WAF is shown in the respective speed/power selection tables as F_{Ra} in pounds. When the force is not applied at the face of the hollowshaft, the F_{Ra} value must be adjusted according to the OHL conversion formulas.

The gear unit type WA is a shaft mounted gear unit and should not normally experience external radial or axial forces on the hollowshaft.

It is possible in some instances for the OHL capacity to be substantially increased if the exact direction of the radial force is known. In such instances it is essential that full details be given to our engineering department to check the suitability of the unit selected.

An axial force F_A up to approximately 50% of the permissible OHL, F_{Ra}, can be accommodated. However, if the axial force exceeds this value substantially or if there is a combination of both radial and axial loads, please submit full details to our engineering department.

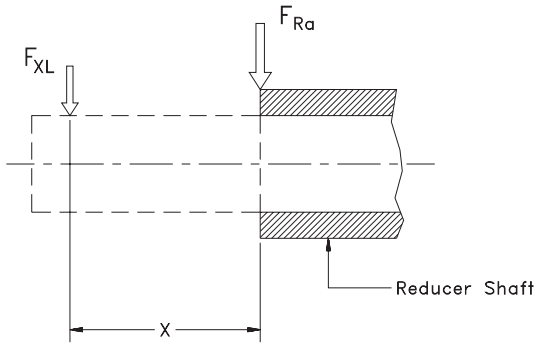
Output OHL Conversion - WA/WAF

If the resultant OHL acts at a point other than at the face of the output hollowshaft, the permissible OHL, F_{XL}, must be determined at the application point of the load according to the following formula:

F_{Ra} (lb)	Permissible overhung load at the face of the output hollowshaft - see selection tables.
X (in.)	Distance from the face of the output hollowshaft to the application point of load.
F_{XL} (lb)	Permissible overhung load at the point X
c,d-(in.)	Gear unit constant - see chart for values.

The permissible OHL, F_{XL}, **must be** greater than the calculated equivalent overhung load, F.

$$\text{Permissible OHL, } F_{XL} = F_{Ra} \times \frac{c}{d + x} \text{ (lb)}$$



Frame Size	c in.	d in.
WA/WAF20	3.09	3.09
WA/WAF30	3.82	3.82

Selections

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra} lb	Ratio i	Model Gear	Model Motor
0.25	**207**	2.7	66	410	8.20	**W20**	**DT71K4**
	207	5.2	68	655	8.20	**W30**	**DT71K4**
	166	2.8	81	440	10.25	**W20**	**DT71K4**
	166	5.3	83	675	10.25	**W30**	**DT71K4**
	137	1.8	99	465	8.20	**W20**	**DT71C6**
	137	3.5	102	675	8.20	**W30**	**DT71C6**
	119	2.5	108	485	14.33	**W20**	**DT71K4**
	119	4.8	111	675	14.33	**W30**	**DT71K4**
	109	1.9	120	495	10.25	**W20**	**DT71C6**
	109	3.6	124	675	10.25	**W30**	**DT71C6**
	104	4.3	122	675	16.33	**W30**	**DT71K4**
	103	2.3	117	495	16.50	**W20**	**DT71K4**
	87	2.3	134	495	19.50	**W20**	**DT71K4**
	87	4.3	142	675	19.50	**W30**	**DT71K4**
	78	1.7	160	495	14.33	**W20**	**DT71C6**
	78	3.2	165	675	14.33	**W30**	**DT71C6**
	69	2.2	157	495	24.50	**W20**	**DT71K4**
	69	2.9	181	675	16.33	**W30**	**DT71C6**
	69	3.7	168	675	24.50	**W30**	**DT71K4**
	68	1.6	173	495	16.50	**W20**	**DT71C6**
	62	2.0	173	495	27.50	**W20**	**DT71K4**
	62	3.4	180	675	27.50	**W30**	**DT71K4**
	57	1.6	198	495	19.50	**W20**	**DT71C6**
	57	2.9	210	675	19.50	**W30**	**DT71C6**
	52	1.7	205	495	32.50	**W20**	**DT71K4**
	52	3.2	196	675	32.50	**W30**	**DT71K4**
	46	1.6	230	495	24.50	**W20**	**DT71C6**
	46	2.5	250	675	24.50	**W30**	**DT71C6**
	44	1.7	210	495	39.00	**W20**	**DT71K4**
	44	2.7	235	675	39.00	**W30**	**DT71K4**
	41	1.4	255	495	27.50	**W20**	**DT71C6**
	41	2.3	265	675	27.50	**W30**	**DT71C6**
	35	1.6	230	495	48.00	**W20**	**DT71K4**
	35	2.4	255	675	48.00	**W30**	**DT71K4**
	34	1.2	300	495	32.50	**W20**	**DT71C6**
	34	2.2	285	675	32.50	**W30**	**DT71C6**
	29	1.2	305	495	39.00	**W20**	**DT71C6**
	29	1.8	340	675	39.00	**W30**	**DT71C6**
	28	1.4	255	495	60.00	**W20**	**DT71K4**
	28	2.1	295	675	60.00	**W30**	**DT71K4**
	23	1.1	335	495	48.00	**W20**	**DT71C6**
	23	1.2	290	495	75.00	**W20**	**DT71K4**
	23	1.7	375	675	48.00	**W30**	**DT71C6**
	23	2.0	320	675	75.00	**W30**	**DT71K4**
	19	1.0	365	495	60.00	**W20**	**DT71C6**
	19	1.5	425	675	60.00	**W30**	**DT71C6**
	15	0.85	415	495	75.00	**W20**	**DT71C6**
	15	1.4	460	675	75.00	**W30**	**DT71C6**
0.33	**210**	2.0	87	400	8.20	**W20**	**DT71C4**
	210	4.0	88	650	8.20	**W30**	**DT71C4**
	168	2.1	105	430	10.25	**W20**	**DT71C4**
	168	4.1	109	675	10.25	**W30**	**DT71C4**
	134	1.4	133	450	8.20	**W20**	**DT71D6**

NOTES: **Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.**
All units also available as flange mount. Add letter “F” to model e.g. WF20DT71C4.
All units also available as shaft mount. Add letter “A” to model e.g. WA20DT71C4.
All units also available as shaft/flange mount. Add letter “AF” to model e.g. WAF20DT71C4.
Overhung loads (OHL) are at the shaft midpoint for W and WF units, and at the end of the hollowshaft for WA and WAF units.
See page 520 for weights. See pages 512 - 517 for W gearmotor dimension pages.

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra} lb	Ratio i	Model Gear	Model Motor
0.33	**134**	2.6	137	675	8.20	**W30**	**DT71D6**
	120	1.9	141	470	14.33	**W20**	**DT71C4**
	120	3.7	144	675	14.33	**W30**	**DT71C4**
	107	1.4	161	480	10.25	**W20**	**DT71D6**
	107	2.7	167	675	10.25	**W30**	**DT71D6**
	105	3.3	159	675	16.33	**W30**	**DT71C4**
	104	1.8	153	485	16.50	**W20**	**DT71C4**
	88	1.8	176	495	19.50	**W20**	**DT71C4**
	88	3.3	186	675	19.50	**W30**	**DT71C4**
	77	1.3	215	495	14.33	**W20**	**DT71D6**
	77	2.4	220	675	14.33	**W30**	**DT71D6**
	70	1.7	205	495	24.50	**W20**	**DT71C4**
	70	2.8	220	675	24.50	**W30**	**DT71C4**
	67	1.2	235	495	16.50	**W20**	**DT71D6**
	67	2.2	245	675	16.33	**W30**	**DT71D6**
	63	1.6	225	495	27.50	**W20**	**DT71C4**
	63	2.6	235	675	27.50	**W30**	**DT71C4**
	56	1.2	265	495	19.50	**W20**	**DT71D6**
	56	2.2	280	675	19.50	**W30**	**DT71D6**
	53	1.3	270	495	32.50	**W20**	**DT71C4**
	53	2.4	255	675	32.50	**W30**	**DT71C4**
	45	1.2	310	495	24.50	**W20**	**DT71D6**
	45	1.9	335	675	24.50	**W30**	**DT71D6**
	44	1.3	275	495	39.00	**W20**	**DT71C4**
	44	2.0	305	675	39.00	**W30**	**DT71C4**
	40	1.1	340	495	27.50	**W20**	**DT71D6**
	40	1.8	355	675	27.50	**W30**	**DT71D6**
	36	1.2	305	495	48.00	**W20**	**DT71C4**
	36	1.9	335	675	48.00	**W30**	**DT71C4**
	34	0.85	405	495	32.50	**W20**	**DT71D6**
	34	1.6	380	675	32.50	**W30**	**DT71D6**
	29	1.1	330	495	60.00	**W20**	**DT71C4**
	29	1.6	385	675	60.00	**W30**	**DT71C4**
	28	0.85	410	495	39.00	**W20**	**DT71D6**
	28	1.4	455	675	39.00	**W30**	**DT71D6**
	23	0.95	380	495	75.00	**W20**	**DT71C4**
	23	1.3	500	675	48.00	**W30**	**DT71D6**
	23	1.5	420	675	75.00	**W30**	**DT71C4**
	18	1.1	570	675	60.00	**W30**	**DT71D6**
	15	1.0	620	675	75.00	**W30**	**DT71D6**
0.50	**207**	1.4	133	385	8.20	**W20**	**DT71D4**
	207	2.6	136	635	8.20	**W30**	**DT71D4**
	166	1.4	161	405	10.25	**W20**	**DT71D4**
	166	2.7	166	675	10.25	**W30**	**DT71D4**
	134	1.7	210	675	8.20	**W30**	**DT80K6**
	119	1.3	215	445	14.33	**W20**	**DT71D4**
	119	2.4	220	675	14.33	**W30**	**DT71D4**
	107	1.8	255	675	10.25	**W30**	**DT80K6**
	104	2.2	245	675	16.33	**W30**	**DT71D4**
	103	1.2	235	455	16.50	**W20**	**DT71D4**
	87	1.2	270	470	19.50	**W20**	**DT71D4**
	87	2.2	285	675	19.50	**W30**	**DT71D4**
	77	1.6	335	675	14.33	**W30**	**DT80K6**
	69	1.2	315	495	24.50	**W20**	**DT71D4**
	69	1.9	335	675	24.50	**W30**	**DT71D4**

NOTES: **Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.**
All units also available as flange mount. Add letter "F" to model e.g. WF20DT71C4.
All units also available as shaft mount. Add letter "A" to model e.g. WA20DT71C4.
All units also available as shaft/flange mount. Add letter "AF" to model e.g. WAF20DT71C4.
Overhung loads (OHL) are at the shaft midpoint for W and WF units, and at the end of the hollowshaft for WA and WAF units.
See page 520 for weights.

Selections

Motor Power P_n HP	Output Speed n_a rpm	Service Factor	Torque T_a lb-in	OHL F_{Ra} lb	Ratio *i*	Model Gear	Model Motor
0.50	**67**	1.5	370	675	16.33	**W30**	**DT80K6**
	62	1.0	350	495	27.50	**W20**	**DT71D4**
	62	1.7	360	675	27.50	**W30**	**DT71D4**
	52	0.85	410	495	32.50	**W20**	**DT71D4**
	52	1.6	390	675	32.50	**W30**	**DT71D4**
	45	1.3	505	675	24.50	**W30**	**DT80K6**
	44	0.85	425	495	39.00	**W20**	**DT71D4**
	44	1.4	465	675	39.00	**W30**	**DT71D4**
	40	1.2	540	675	27.50	**W30**	**DT80K6**
	35	1.2	515	675	48.00	**W30**	**DT71D4**
	28	1.1	590	675	60.00	**W30**	**DT71D4**
	23	0.80	755	675	48.00	**W30**	**DT80K6**
	23	0.95	640	675	75.00	**W30**	**DT71D4**
0.75	**207**	1.8	205	615	8.20	**W30**	**DT80K4**
	166	1.8	250	655	10.25	**W30**	**DT80K4**
	134	1.2	310	675	8.20	**W30**	**DT80N6**
	119	1.6	335	675	14.33	**W30**	**DT80K4**
	107	1.2	380	675	10.25	**W30**	**DT80N6**
	104	1.5	365	675	16.33	**W30**	**DT80K4**
	77	1.1	505	675	14.33	**W30**	**DT80N6**
	69	1.3	505	675	24.50	**W30**	**DT80K4**
	67	0.95	555	675	16.33	**W30**	**DT80N6**
	62	1.2	540	675	27.50	**W30**	**DT80K4**
	45	0.80	755	675	24.50	**W30**	**DT80N6**
	35	0.80	770	675	48.00	**W30**	**DT80K4**
1.0	**207**	1.3	275	595	8.20	**W30**	**DT80N4**
	166	1.4	335	630	10.25	**W30**	**DT80N4**
	119	1.2	445	675	14.33	**W30**	**DT80N4**
	104	1.1	490	675	16.33	**W30**	**DT80N4**
	69	0.90	675	675	24.50	**W30**	**DT80N4**
	62	0.85	725	675	27.50	**W30**	**DT80N4**

NOTES: **Consult Assembly Center for additional speed (rpm) selections or dimension pages not listed.**
All units also available as flange mount. Add letter “F” to model e.g. WF20DT71C4.
All units also available as shaft mount. Add letter “A” to model e.g. WA20DT71C4.
All units also available as shaft/flange mount. Add letter “AF” to model e.g. WAF20DT71C4.
Overhung loads (OHL) are at the shaft midpoint for W and WF units, and at the end of the hollowshaft for WA and WAF units.
See page 520 for weights.

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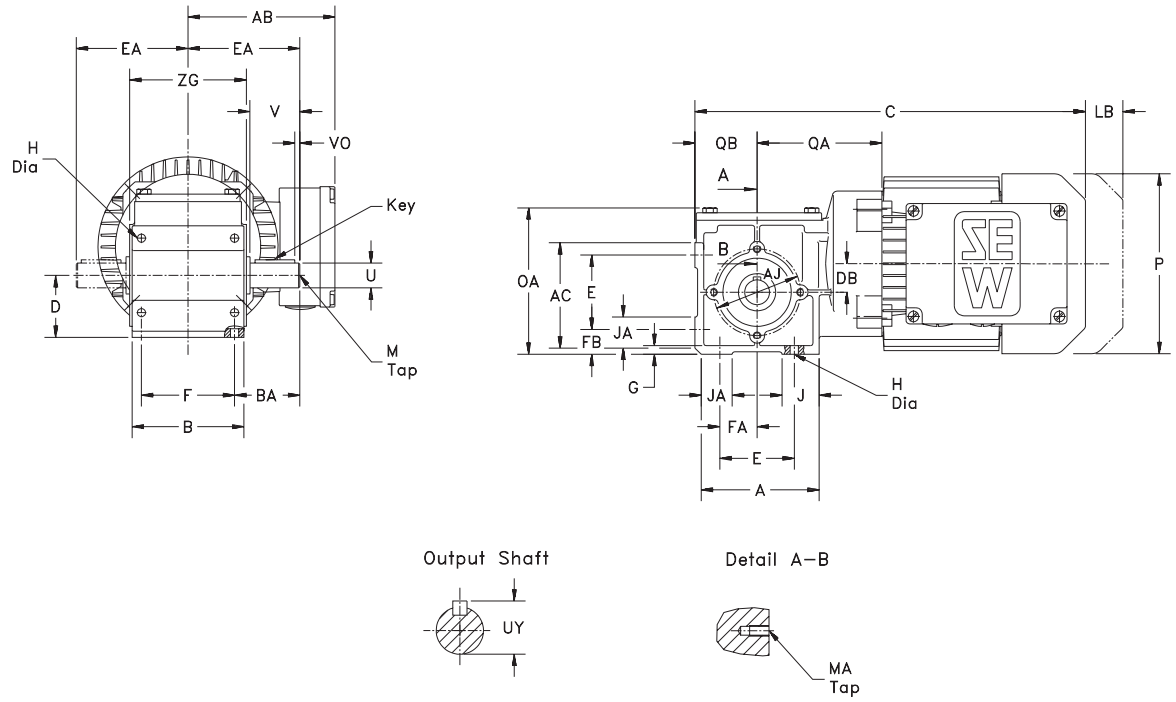
Dimensions
Type W Gearmotors - Foot Mounted



Gearcase

Model	A	AC	AJ	B	BA	D *	DB	E	EA	F	FA	FB	G	H	J	JA
W20	3.74 95	3.35 85	2.76 70	3.54 90	2.07 52.5	1.97 50	0.91 23	2.36 60	3.54 90	2.95 75	1.18 30	0.79 20	0.28 7	0.26 6.6	1.18 30	0.98 25
W30	4.72 120	4.21 107	3.46 88	4.21 107	2.22 56.5	2.48 63	1.18 30	2.76 70	4.00 101.5	3.54 90	1.38 35	1.10 28	0.31 8	0.35 9	1.57 40	1.57 40

*** Note: See page 33 for applicable tolerances.**

Gearcase

Model	MA	OA	QA	QB	ZG
W20	M6 × 0.43	4.65	3.98	1.97	3.74
	M6 × 11	118	101	50	95
W30	M6 × 0.59	5.63	4.41	2.48	4.57
	M6 × 15	143	112	63	116

Output Shaft Inch Series/*Optional Metric Series*

Model	U *	UY	V	VO	Key	M
W20	0.750 *20*	0.83 *22.5*	1.57 *40*	0.25 *4*	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{1}/_{16}$ *6 x 6 x 32*	— *M6 x 16*
W30	0.750 *20*	0.83 *22.5*	1.57 *40*	0.25 *4*	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{1}/_{16}$ *6 x 6 x 32*	— *M6 x 16*

*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80
	AB	5.43 138	5.43 138
	LB	2.52 64	2.52 64
	P	5.71 145	5.71 145
W20	**C**	12.40 315	— —
W30	**C**	13.35 339	15.31 389

Dimensions are $\frac{\text{inch}}{\text{mm}}$

Dimension **AB** is to motor conduit box

Dimension **LB** is for brake option

Eye bolts are removable

Dimensions subject to change without notice

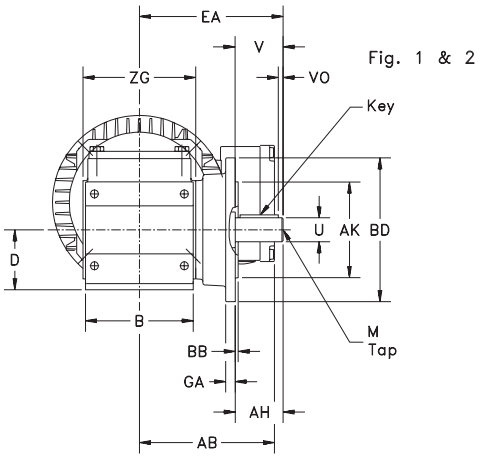


Fig. 1 & 2

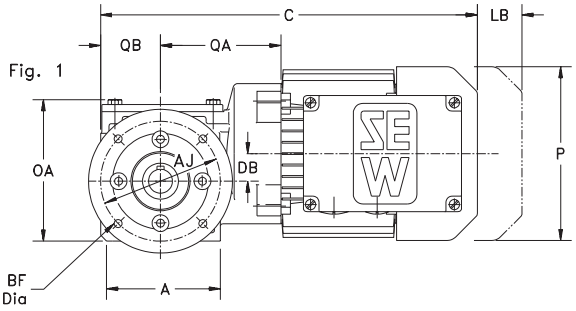
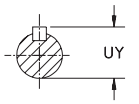


Fig. 1



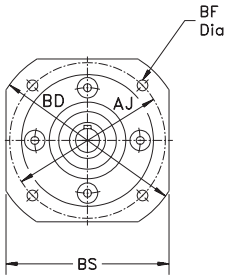


Fig. 3

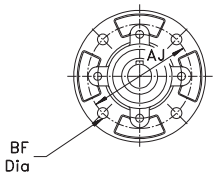


Fig. 2

Gearcase

Model	A	B	D *	DB	EA_I	EA_{II}	OA	QA	QB	ZG
WF20	3.74 95	3.54 90	1.97 50	0.91 23	4.72 120	— —	4.65 118	3.98 101	1.97 50	3.74 95
WF30	4.72 120	4.21 107	2.48 63	1.18 30	4.72 120	5.31 135	5.63 143	4.41 112	2.48 63	4.57 116

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series*

U *	UY	V	VO	Key	M
0.750 *20*	0.83 *22.5*	1.57 *40*	0.25 *4*	$^3/_{16} \times {}^3/_{16} \times 1^1/_{16}$ *6 x 6 x 32*	— *M6 x 16*
0.750 *20*	0.83 *22.5*	1.57 *40*	0.25 *4*	$^3/_{16} \times {}^3/_{16} \times 1^1/_{16}$ *6 x 6 x 32*	— *M6 x 16*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD Dimension when ordering)

	Fig. 1							Fig. 2 (WF20) Flg. 3 (WF30)							
Model	**AH**	**AJ**	**AK ***	**BB**	**BD**	**BF**	**GA**	**AH**	**AJ**	**AK ***	**BB**	**BD**	**BF**	**GA**	**BS**
WF20	1.57 40	3.94 100	3.15 80	0.10 2.5	4.72 120	0.26 6.6	0.31 8	1.57 40	3.43 87	2.36 60	0.16 4	4.33 110	0.35 9	0.31 8	— —
WF30	1.57 40	3.94 100	3.15 80	0.10 2.5	4.72 120	0.26 6.6	0.31 8	1.57 40	5.12 130	4.33 110	0.10 2.5	6.30 160	0.35 9	0.31 8	5.35 136

*** Note: See page 33 for applicable tolerances.**

*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80
	AB	5.43 138	5.43 138
	LB	2.52 64	2.52 64
	P	5.71 145	5.71 145
WF20	**C**	12.40 315	— —
WF30	**C**	13.35 339	15.31 389

EA_I apply to Fig. 1

EA_{II} apply to Fig. 2

Dimensions are $\frac{\text{inch}}{\text{mm}}$

Dimension **AB** is to motor conduit box

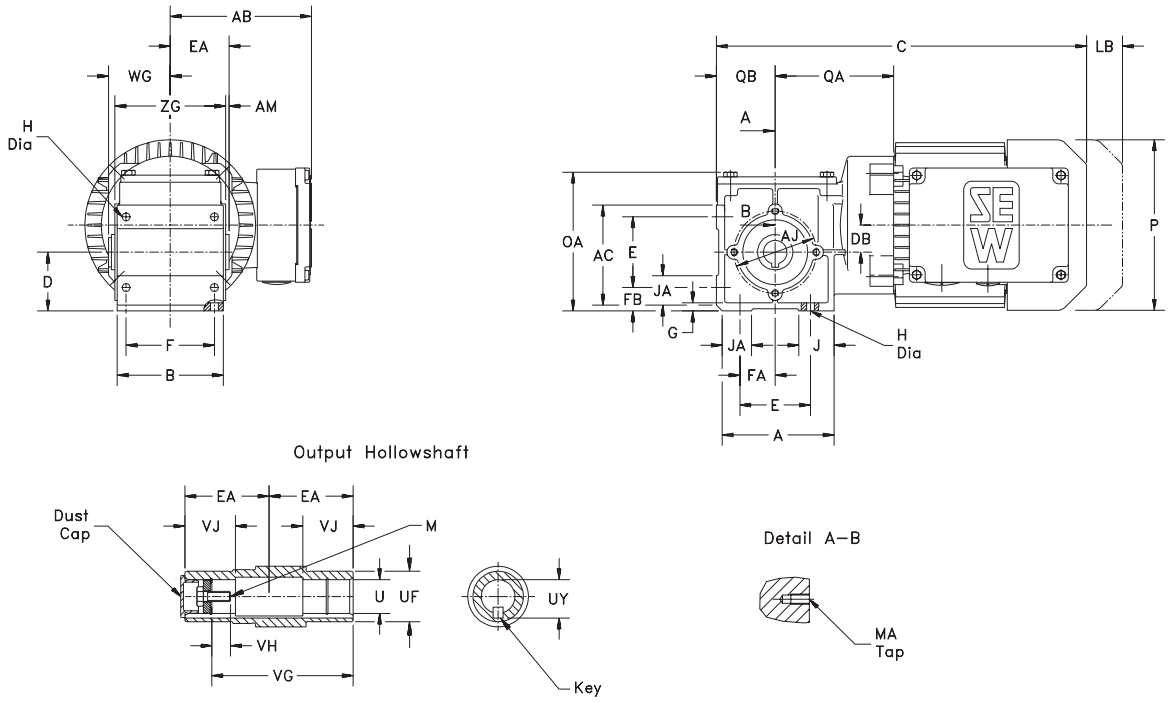
Dimension **LB** is for brake option

Eye bolts are removable

Dimensions subject to change without notice

SEW EURODRIVE

Dimensions
Type WA Gearmotors - Shaft Mounted



Gearcase

Model	A	AC	AJ	AM	B	D *	DB	E	EA	F	FA	FB	G	H	J	JA	MA	OA	QA	QB	WG	ZG
WA20	3.74 95	3.35 85	2.76 70	0.10 2.5	3.54 90	1.97 50	0.91 23	2.36 60	1.97 50	2.95 75	1.18 30	0.79 20	0.28 7	0.26 6.6	1.18 30	0.98 25	M6 x 0.43 M6 x 11	4.65 118	3.98 101	1.97 50	2.07 52.5	3.74 95
WA30	4.72 120	4.21 107	3.46 88	0.12 3	4.21 107	2.48 63	1.18 30	2.76 70	2.38 60.5	3.54 90	1.38 35	1.10 28	0.31 8	0.35 9	1.57 40	1.57 40	M6 x 0.59 M6 x 15	5.63 143	4.41 112	2.48 63	2.50 63.5	4.57 116

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* For solid shaft design see page 518.

Model	UF	VG	VH	VJ	Key	M	Standard		Alternate	
							U *	UY	U *	UY
WA20	1.18	3.31	0.37	1.18	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{161}/_{4}$–20 × $^{5}/_{8}$		0.750	0.84	—	—
	30	*84*	*11*	*30*	*6 × 6 × 32*	*M6 × 16*	*20*	*22.8*	*18*	*20.8*
WA30	1.18	4.17	0.37	1.18	$^{3}/_{16} \times {}^{3}/_{16} \times 1^{161}/_{4}$–20 × $^{5}/_{8}$		0.750	0.84	—	—
	30	*106*	*11*	*30*	*6 × 6 × 32*	*M6 × 16*	*20*	*22.8*	—	—

*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT	
		71	**80**
	AB	5.43 138	5.43 138
	LB	2.52 64	2.52 64
	P	5.71 145	5.71 145
WA20	**C**	12.40 315	— —
WA30	**C**	13.35 339	15.31 389

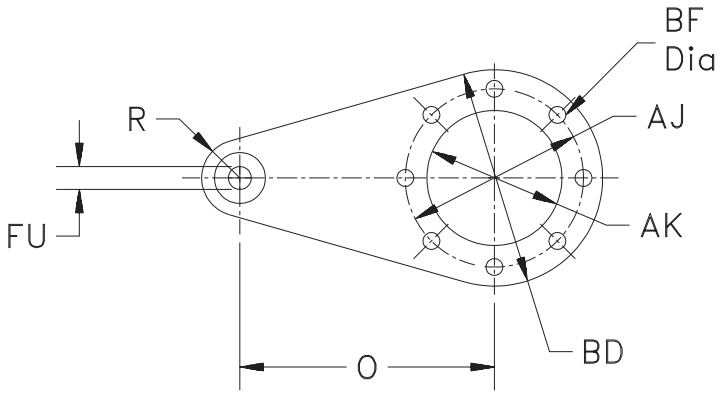
Dimensions are $\frac{\text{inch}}{\text{mm}}$

Dimension **AB** is to motor conduit box

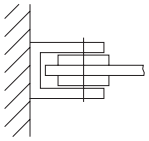
Dimension **LB** is for brake option

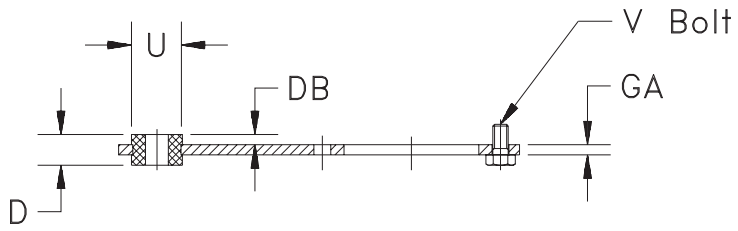
Eye bolts are removable

Dimensions subject to change without notice



Anchoring of the torque arm



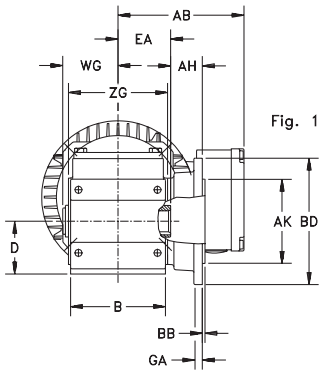


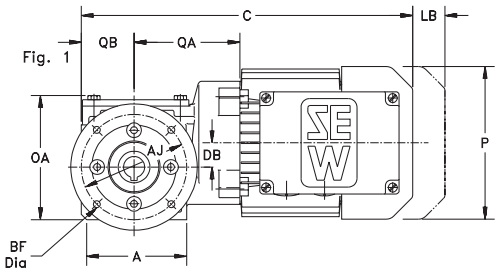
Model	AJ	AK	BD	BF	D	DB	FU	GA	O	R	U	V	Part No.
WA20	2.76	2.09	3.35	0.26	0.47	0.16	0.35	0.16	3.94	0.59	0.79	—	168 073 0
	70	53	85	6.6	12	4	9	4	100	15	20	M6 × 12	
WA30	3.46	2.36	4.25	0.26	0.51	0.16	0.43	0.20	4.33	0.69	0.98	—	168 011 0
	88	60	108	6.6	13	4	11	5	110	17.5	25	M6 × 16	

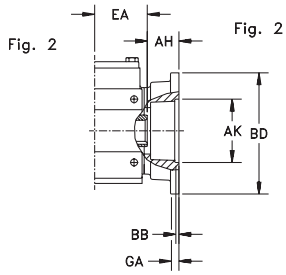
Dimensions are $\frac{\text{inch}}{\text{mm}}$

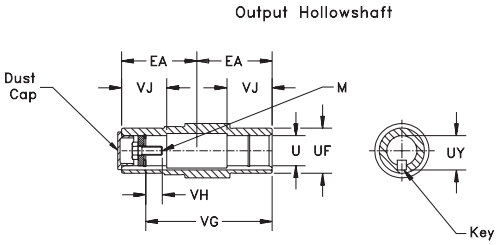
Dimensions subject to change without notice

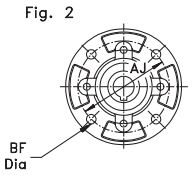
Dimensions
Type WAF Gearmotors - Flange Mounted with Hollowshaft











Gearcase

Model	A	B	D *	DB	EA	OA	QA	QB	WG	ZG
WAF20	3.74	3.54	1.97	0.91	1.97	4.65	3.98	1.97	2.09	3.74
	95	90	50	23	50	118	101	50	53	95

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* For solid shaft design see page 518.

							Standard		Alternate	
Model	UF	VG	VH	VJ	Key	M	U *	UY	U *	UY
WAF20	1.18	3.31	0.37	1.18	$^{3}/_{16} \times {}^{3}/_{16} \times 1{}^{1}/_{4}$ –20 × $^{5}/_{8}$		0.750	0.84	—	—
	30	*84*	*11*	*30*	*6 × 6 × 32*	*M6 × 16*	*20*	*22.8*	*18*	*20.8*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD Dimension when ordering)

	Fig. 1							Fig. 2						
Model	AH	AJ	AK *	BB	BD	BF	GA	AH	AJ	AK *	BB	BD	BF	GA
WAF20	1.18	3.94	3.15	0.10	4.72	0.26	0.31	1.18	3.43	2.36	0.16	4.33	0.35	0.31
	30	100	80	2.5	120	6.6	8	30	87	60	4	110	9	8

*** Note: See page 33 for applicable tolerances.**

*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71
	AB	5.43 138
	LB	2.52 64
	P	5.71 145
WAF20	C	12.40 315

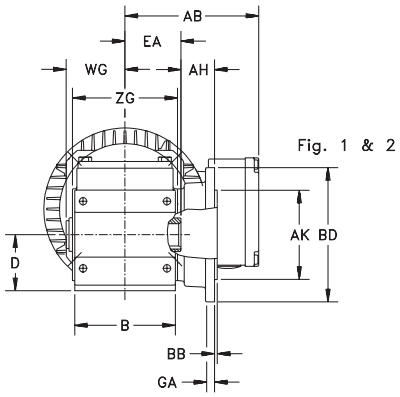
Dimensions are $\frac{\text{inch}}{\text{mm}}$

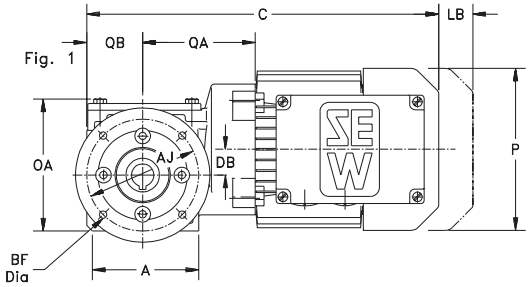
Dimension **AB** is to motor conduit box

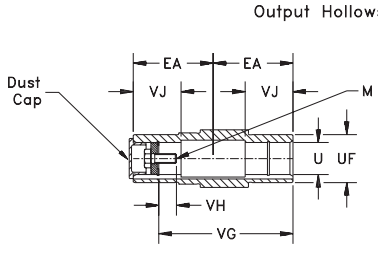
Dimension **LB** is for brake option

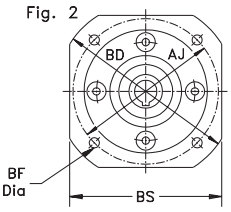
Eye bolts are removable

Dimensions subject to change without notice









Gearcase

Model	A	B	D *	DB	EA	OA	QA	QB	WG	ZG
WAF30	4.72	4.21	2.48	1.18	2.38	5.63	4.41	2.48	2.52	4.57
	120	107	63	30	60.5	143	112	63	64	116

*** Note: See page 33 for applicable tolerances.**

Output Shaft Inch Series/*Optional Metric Series* For solid shaft design see page 518.

Model	U *	UF	UY	VG	VH	VJ	Key	M
WAF30	0.750	1.18	0.84	4.17	0.37	1.18	$^{3}/_{16} \times {}^{3}/_{16} \times 1{}^{1}/_{4}$	$^{1}/_{4\text{-}20} \times {}^{5}/_{8}$
	20	*30*	*22.8*	*106*	*11*	*30*	*6 x 6 x 32*	*M6 x 16*

*** Note: See page 33 for applicable tolerances.**

Flange (Specify BD Dimension when ordering)

	Fig. 1							Fig. 2							
Model	AH	AJ	AK *	BB	BD	BF	GA	AH	AJ	AK *	BB	BD	BF	GA	BS
WAF30	0.75	3.94	3.15	0.10	4.72	0.26	0.31	1.34	5.12	4.33	0.10	6.30	0.35	0.31	5.35
	19	100	80	2.5	120	6.6	8	34	130	110	2.5	160	9	8	136

*** Note: See page 33 for applicable tolerances.**

*** Note: See page 33 for applicable tolerances.**

Motor

Model		DT 71	DT 80
	AB	5.43 138	5.43 138
	LB	2.52 64	2.52 64
	P	5.71 145	5.71 145
WAF30	C	13.35 339	15.31 389

Dimensions are $\frac{\text{inch}}{\text{mm}}$

Dimension **AB** is to motor conduit box

Dimension **LB** is for brake option

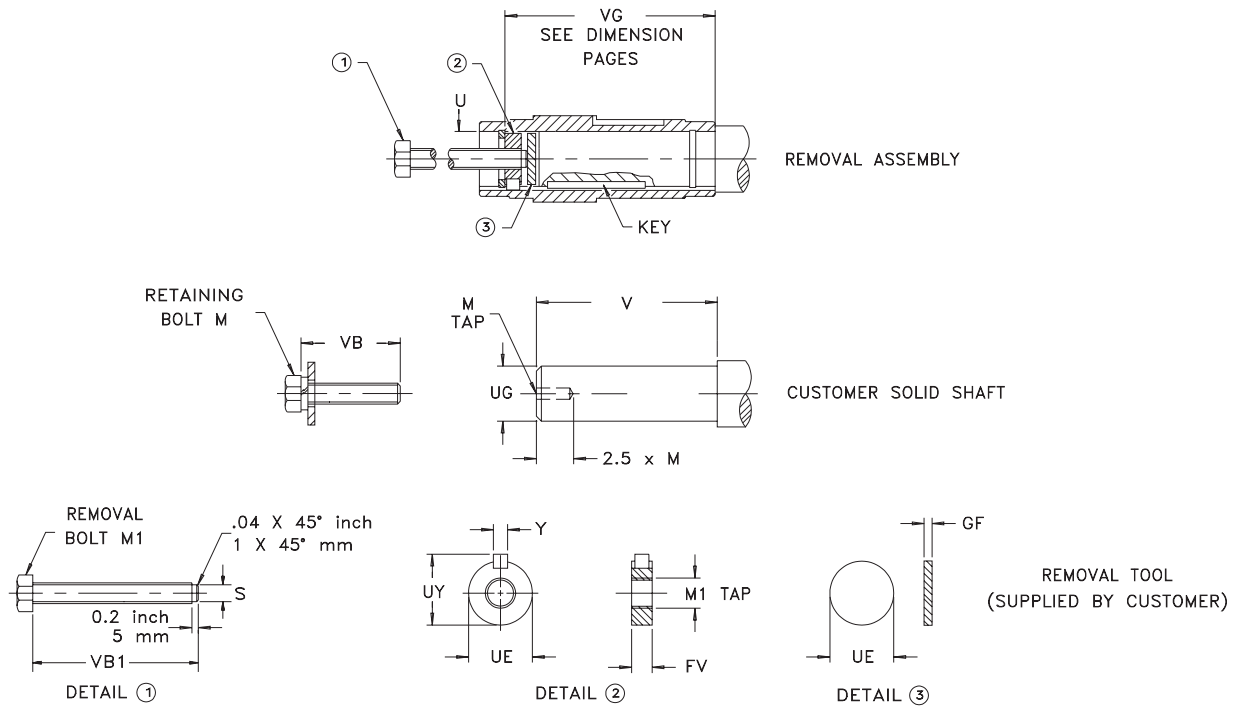
Eye bolts are removable

Dimensions subject to change without notice

SEW EURODRIVE

Recommended Design for Customer Solid Shaft & Assembly/Disassembly Tool

When using conventional tools to remove a shaft mounted gear unit, the dismantling forces are exerted via the reducer housing and bearings and may damage the machine's drive shaft or the gear unit. To simplify the removal from the machine's drive shaft, a tool can be made as shown. A round, keyed nut (2) is inserted into the free space between the end of the machine drive shaft and the snapring in the gear unit's hollowshaft. A removal bolt (1) is screwed into the nut and presses a disc (3) against the end face of the machine drive shaft, forcing the machine drive shaft out of the hollowshaft. Please note the securing bolt normally supplied with the gear unit's hollowshaft must be replaced with a bolt as shown and the customer solid shaft should be manufactured in accordance with the dimensions shown here.



Inch Bore Hollowshaft

Dimensions are inch

Model	FV	GF	M	M1	S	U	UE -.01	UG*	UY Max	V	VB	VB1	Y Max
WA/WAF 20	.39	.20	¼ - 20	3/8 –24	.25	.750	.745	.750	.82	2.44	1.50	4.00	.187
WA/WAF 30	.39	.20	¼ - 20	3/8 –24	.25	.750	.745	.750	.82	3.30	1.50	4.75	.187

Metric Bore Hollowshaft

Dimensions are mm

Model	FV	GF	M	M1	S	U	UE -.01	UG*	UY Max	V	VB	VB1	Y Max
WA/WAF 20	10	5	M6	M10 × 1.5	7	18	17.9	20	20.5	62	40	100	6
WA/WAF 20	10	5	M6	M10 × 1.5	7	20	19.9	20	22.5	62	40	100	6
WA/WAF 30	10	5	M6	M10 × 1.5	7	20	19.9	20	22.5	84	40	120	6

Hollowshafts are bored to the tolerances shown for **U** in the dimension pages. An appropriate dimensional tolerance should be chosen from the table below for the machine shaft based on the nature of the load.

*** Tolerance for shaft Diameter UG**

UG		Load Class		
Inch	Metric	I	II	III
0.750		+0.0005 -0.0006	+0.0009 -0.0003	+0.0011 -0
	18 mm	+0 -0.011	+0.008 -0.003	+0.012 +0.001
	20 mm	+0 -0.013	+0.009 -0.004	+0.015 +0.002

Load Class I = Uniform Load and $\frac{J_L}{J_M} \leq 0.2$

Load Class II = Moderate Shock Load and $\frac{J_L}{J_M} \leq 3.0$

Load Class III = Heavy Shock Load and $\frac{J_L}{J_M} \leq 10$

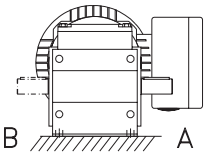
J_L = Load Inertia reflected to reducer input

J_M = Motor Inertia

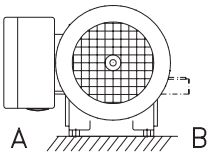
The Spiroplan® gear units contain the same amount of oil independent of the mounting position. Reference the S Series mounting positions beginning on page 25 and use for W Series mounting positions.

In addition, the following details need to be specified when ordering:

a. Output shaft projection: A, B or AB

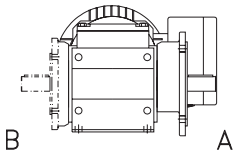


Front View

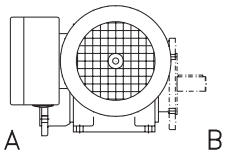


Rear View (motor end)

b. Flange projection: A, B or AB
Note: Output shaft and flange must be on the same side for WF.. units. AB option available only on WAF.. units.



Front View



Rear View (motor end)

Weights

Listed below are weights for complete units less oil. For brakemotors, add the brake weight listed at the bottom of the chart.

Note: Oil weighs approximately 7.5 lbs/gallon (2 lbs/liter). Reference Lubrication Sheet for volume of oil required. All weights in lbs.

Note: All weights listed are approximations based on the heaviest unit of the type listed.

	DT	
	71	**80**
W20	18	—
WF20	19	—
WA20	17	—
WAF20	17	—
W30	22	29
WF30	22	29
WA30	22	29
WAF30	22	29
Add for Brake	6	6

Lubrication

Each gear unit is supplied from the factory with the correct grade of lubricant. The following lubricants are supplied from our North American Facilities.

Note: The Spiroplan® series of gear units are mounting position independent of oil filling.

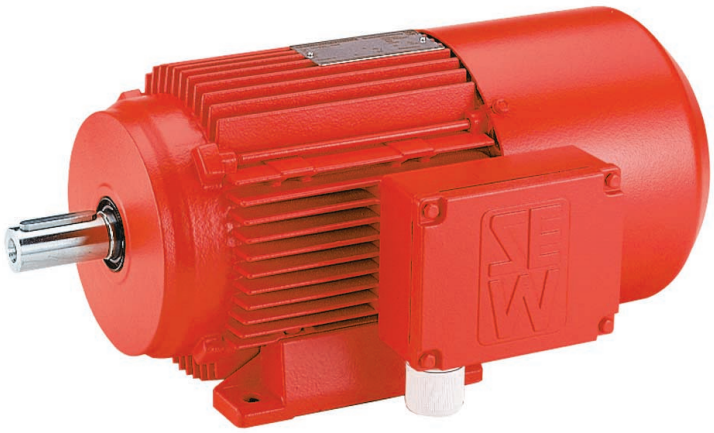
Synthetic Oil - Type and Quantity

Gear Unit	Type	Quantity		Manufacturer	Ambient Temperature °C
		Gallons	Liters		
W/WF/WA/WAF 20	SEW HT-460-5	0.07	0.26	Kluber	-25 to +60°C
W/WF/WA/WAF 30	SEW HT-460-5	0.13	0.50	Kluber	-25 to +60°C

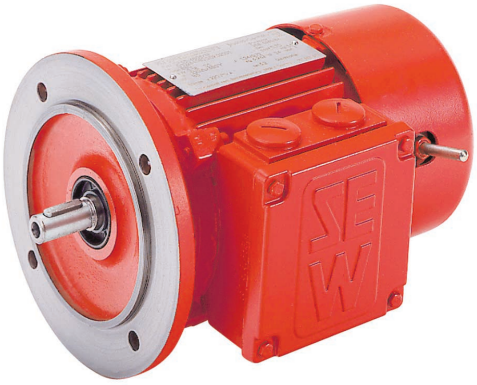
For ball and roller bearings of gear units the following grease is recommended:

Synthetic Grease

Type	Manufacturer	Ambient Temperature °C
Mobilith SHC 100	Mobil Oil Corp.	-25 to +60°C



DT../DV..BM(G)UR/SR



DFT../DFV..BM(G)

AC Electric Motors - Type DT/DV
AC Electric Brakemotors - Type DT..BM(G)/DV..BM(G)

The SEW-Eurodrive AC motors and brakemotors are designed for continuous operation under difficult operating conditions. They are supplied integral to an SEW-Eurodrive gear unit or as foot mounted or flange mounted design.

MECHANICAL PROPERTIES

Enclosures
The AC motors are provided as totally enclosed fan cooled (TEFC) in accordance with NEMA MG1-1.26.2-1993. They are also provided as an IP54 enclosure rating in accordance with DIN 40050 as standard or with IP55 and IP65 ratings as a modification.

Bearings
The following bearings are used for the appropriate motor frame sizes:

Frame Size	Driving End Side A		Fan End Side B
	Geared	Flanged and Footed	Geared, Flanged and Footed
DT71-80	6303 C3-2RS	6204 C3-2RS	6203 C3-2RS
DT90-100	6306 C3-2RS		6205 C3-2RS
DV112-132S	6307 C3-2RS	6208 C3-2RS	6207 C3-2RS
DV132M/ML- 160M	6309 C3-2Z		6209 C3-2Z
DV160L-180	6312 C3-2Z		6213 C3-2Z
DV200-225	6314 C3-2Z		6314 C3-2Z

Insulation Classes
All single speed and tapped wound two speed AC motors have Class B insulation as standard. Class F or Class H insulations can be provided as a modification. All multi-speed motors separately wound have Class F insulation as standard, with Class H insulation as a modification if desired.

Corrosion Protection
All SEW-Eurodrive AC squirrel-cage motors and brakemotors are available with special corrosion protection, Severe Duty, for chemically aggressive and wet environments.

Motor Options
SEW-Eurodrive can supply motors to be used for hoist and crane duty, or for hazardous locations. Motor canopies, high inertia flywheel fans for smooth starting, special duty cycle windings, etc. are available. Please consult your SEW-Eurodrive representative for details.

ELECTRICAL PROPERTIES

Supply Voltages and Frequencies
SEW-Eurodrive AC motors can be supplied suitable for operation on any voltage in the range of 200-660 volts. The standard voltages are 230/460V and 575V. All other voltages are available as a modification. The standard operating frequency is 60Hz with any frequency between 40 and 60Hz available as a modification.

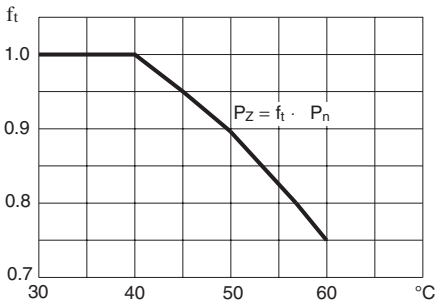
Winding Connection
SEW-Eurodrive standard motor connection diagrams are shown on page 550 . Two-speed AC motors where the high speed is double the low speed; for example 4/2 pole (1800/3600 rpm) and 8/4 pole (900/1800 rpm), are provided with a single winding (tapped wound) motor connection as standard. All other two-speed AC motors, for example 6/2 pole (1200/3600 rpm), 8/2 pole (900/3600 rpm), etc. have a separate winding motor connection.

Other motor connections can be optionally provided upon request. Please submit full details to your SEW-Eurodrive representative.

Ambient Temperature and Altitude
The ratings of all motors in this catalog are based on continuous operation at 40°C ambient temperature and a maximum elevation of 3300 feet above sea level. For higher ambient temperatures or greater installation heights it is necessary to reduce the motor power rating per Diagrams 1 and 2 below. The nameplate data remains unchanged.

Diagram 1

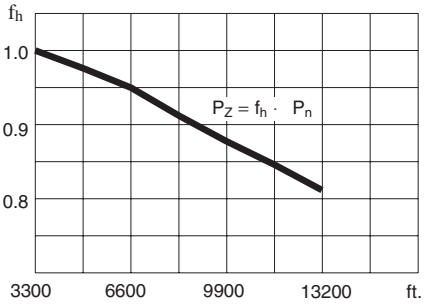
Power reduction as a function of the ambient temperature



P_Z = reduced power f_t = reduction factor P_n = rated power

Diagram 2

Power reduction as a function of elevation



P_Z = reduced power f_h = reduction factor P_n = rated power

GUIDANCE ON MOTOR SELECTION

Duty Types
All motors in this catalog are based on continuous operation (S1), i.e. operation with a constant load state whose duration is sufficient to reach the thermal steady state condition.

S2 is a short-term operation, i.e. operation with a constant load state for a specified limited time followed by a pause until the ambient temperature is reached once again.

S3 is a periodic operation not under the influence of the start-up, consisting of a sequence of similar cycles each comprising a period with constant load and a pause. The starting current should not markedly affect the warming-up. Maximum period of 10 minutes.

If a motor is designed for 100% continuous duty, S1, and a shorter cycle duration factor is required, the motor power can be increased according for the following table:

Operating Type			Power Increase Factor
S2	Operation duration	60 min 30 min 10 min	1.1 1.2 1.4
S3	Cyclic duration factor, ED	60% 40% 25% 15%	1.1 1.15 1.3 1.4

$$ED = \frac{\text{Sum of operation periods}}{\text{cycle time}} \cdot 100\%$$

Start-Stop Frequency

The permissible start-stop frequencies for motors can be determined by the following formula for Z and Diagrams 3, 4 and 5.

$$Z = Z_O \cdot K_J \cdot K_M \cdot K_P$$

Z_O = No-load start-stop frequency with 50% ED
J_M = Moment of inertia of the motor
J_Z = Reflected moment of inertia of the load and moment of inertia of the flywheel fan (if used)
T_a = Load torque during acceleration
T_A = Average starting torque of the motor
P = Power requirement after attaining full speed
P_n = Rated power of the motor

Diagram 3

As a function of the load inertia

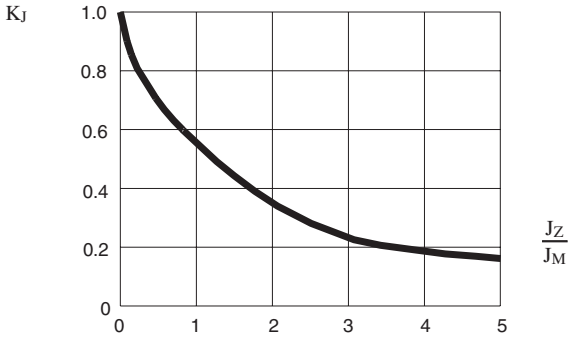


Diagram 4

As a function of the torque during starting

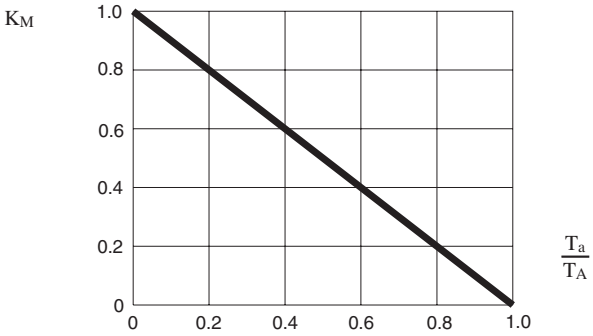
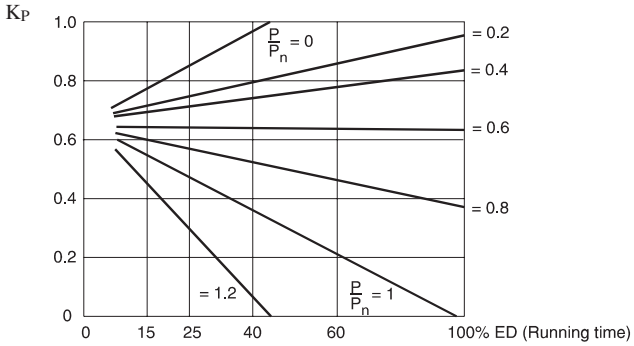


Diagram 5

As a function of the power requirement and the percentage of the time the motor is running



After determination of the permissible starting frequency for the motor it is necessary to check whether the permissible starting frequency is also acceptable for the brake. Please see the brake data section for permissible brake work.

Motor Protection

The correct selection of motor protective equipment determines to a very large degree the operational reliability and life of a motor. We differentiate between current dependent protection and thermal protective devices. The following table illustrates the different types of motor protection.

Fuses installed in electrical supply lines do not protect the motor against overloads. The fuses merely protect the motor switchgear and supply cables in the event of short circuits. Standard overload relays for motors are adequate protection under normal operating conditions which involve relatively low starting frequencies and relatively short acceleration times coupled with low starting currents. However whenever relatively high starting frequencies are required or the motor is required to start against considerable loads, then overload relays are unsuitable because the thermal time constant of motor and relay are not matched and the relays invariably trip out when set to the correct rated current. Only motors incorporating positive temperature coefficient thermistors offer full protection against thermal overloading irrespective of the reason. Motors so equipped can be used for operating conditions with high frequency starting, starting against heavy masses and voltage and frequency fluctuations.

The various protection measures and their effectiveness:

	Current Dependent Protection Fuses	Overload Relays (Heaters)	Thermal Protective Device with PTC Thermistor Protection
1. Excess current 200% I_N	N	E	E
2. Heavy starts Reversing operation	N	C	E
3. Starts up to 30/hour	N	C	E
4. Stalling	C	C	C
5. Starting on two phases	N	C	E
6. Voltage deviations	N	E	E
7. Frequency deviations	N	E	E
8. Insufficient motor cooling	N	N	E

N - No Protection
C - Conditional Protection
E - Excellent Protection

Overhung Loads, OHL, are a combination of live loads acting at right angles to the drive shaft caused by gears, sprockets, pulleys, couplings, etc., as well as dead loads applied directly on the shaft.

These overhung loads subject shaft bearings and shafts to stresses which, if exceeded, may cause premature failure of bearings and/or shaft breakage from bending fatigue.

Determination of Overhung Load - OHL

When determining the resulting overhung load, the type of transmission element mounted on the shaft end must be considered and a transmission element factor, f_z, must be included. The overhung load exerted on the output shafts can be calculated from the following formula. The resultant overhung load F must not exceed the permissible overhung load for the selected motor.

$$F = \frac{2T_n}{d_o} \cdot f_z$$

F = equivalent OHL in lbs.
T_n = motor torque (lb-in.)
d_o = pitch diameter of the gear or sheave in inches
f_z = transmission element factor

The transmission element factor, f_z, takes into account an additional radial force that is imposed on the shaft due to the type of transmission element: gear or sheave. There are gear teeth separating forces, pre-tensioning of belts, etc. that must be taken into account to determine the total equivalent radial loads. From applicational experience the following values of f_z should be used:

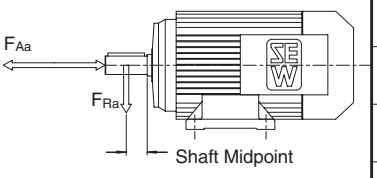
Transmission Element	Comments	f_Z Factor
Spur or helical gears	≥ 17 teeth	1.0
	< 17 teeth	1.15
V-belt pulleys		1.75
Flat belt pulleys		2.5
Timing belt pulleys		1.3

Permissible Output Shaft Loads

The output shaft of the SEW-Eurodrive motors are capable of accepting the axial and radial loads normally encountered by the mounting of gears, belt pulleys, and shaft couplings. The permissible OHL under the most unfavorable conditions which can be applied at the midpoint of the shaft extension is shown in the tables below as F_{Ra} in lbs. When the force is not applied at the midpoint of the shaft extension, the F_{Ra} value must be adjusted according to the OHL conversion formulas.

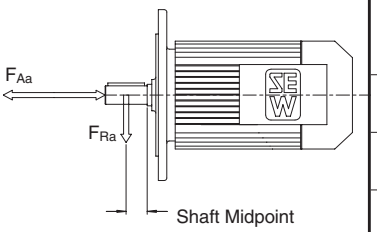
Permissible axial loads are shown in the tables below as F_{Aa}.

Foot Mounted



RPM/Poles	Permissible Overhung Loads F_{Ra} (lb) Permissible Axial Loads F_{Aa} (lb)												
	Motor Frame Size												
	71	80	90	100	112	132S	132M	132ML	160M	160L	180	200	225
900 / 8	153	207	288	382	393	427	585	810	810	855	1260	1350	—
	45	54	72	90	108	126	144	216	216	216	288	450	—
1200 / 6	144	189	270	342	360	393	540	742	742	765	1125	1237	—
	36	45	54	72	90	108	126	180	180	180	252	427	—
1800 / 4	126	162	234	292	315	337	450	585	585	697	1012	1057	1575
	27	36	47	61	61	61	90	144	144	144	216	540	540
3600 / 2	90	117	162	216	220	247	326	450	450	517	776	832	—
	18	22	32	43	45	47	72	108	108	108	180	416	—

Flange Mounted



RPM/Poles	Permissible Overhung Loads F_{Ra} (lb) Permissible Axial Loads F_{Aa} (lb)												
	Motor Frame Size												
	71	80	90	100	112	132S	132M	132ML	160M	160L	180	200	225
900 / 8	191	258	360	472	495	540	720	1035	1035	1080	1575	1687	—
	56	67	90	112	135	157	180	270	270	270	360	562	—
1200 / 6	180	236	337	427	450	495	652	922	922	967	1417	1530	—
	45	56	67	90	112	135	157	225	225	225	315	540	—
1800 / 4	157	202	292	371	393	427	562	720	720	877	1260	1327	1957
	32	45	56	78	78	78	112	180	180	180	270	675	675
3600 / 2	112	146	202	270	270	292	405	562	562	652	967	1035	—
	22	29	40	54	56	58	90	135	135	135	225	517	—

Output OHL Conversion

If the resultant OHL acts at a point other than at the midpoint of the output shaft extension, the permissible OHL, F_X, must be determined at the point of the load application according to the following formula:

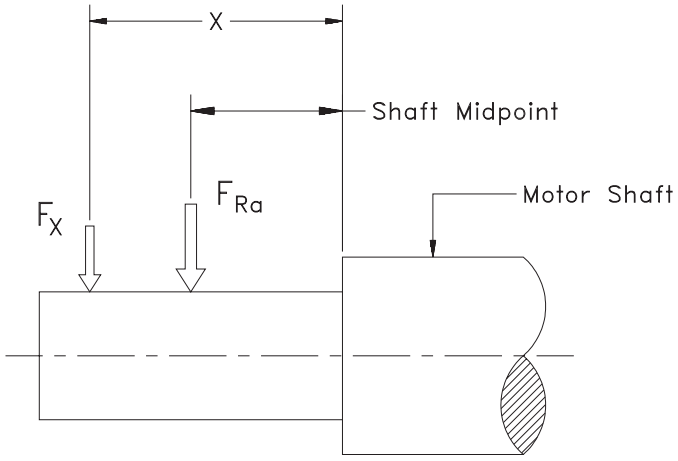
F_{Ra} (lb) = Permissible overhung load at the midpoint of the output shaft extension
X (in.) = Distance from the shoulder on the shaft to the application point of load
F_X (lb) = Permissible overhung load at the point X
a (lb-in) = Constant - see chart for values
b,c, d (in.) = Constant - see chart for values

The permissible OHL is the smaller of the two values obtained from the following formulae, F_{XL} and F_{XW}, and is denoted as F_X. The permissible OHL, F_X, **must be** greater than the calculated equivalent overhung load F.

Permissible OHL, $F_{XL} = F_{Ra} \cdot \frac{c}{d + x}$ (lb)

Permissible OHL based on shaft stress, $F_{XW} = \frac{a \cdot 10^3}{b + x}$ (lb)

Note: F_{XW} applies only at motor rated torque, T_n.



Motor Frame Size	a (lb-in) Number of Poles				b	c	d
	2	4	6	8	in.		
DT71	0.10	0.14	0.16	0.17	0.54	6.25	5.66
DT80	0.15	0.21	0.25	0.27	0.54	8.42	7.63
DT90	0.24	0.35	0.40	0.43	0.52	8.97	7.98
DT100	0.37	0.51	0.59	0.66	0.56	10.66	9.48
DV112M	0.47	0.67	0.77	0.84	0.95	11.29	10.11
DV132S	0.62	0.85	0.99	1.08	0.95	13.46	11.88
DV132M	0.77	1.06	1.27	1.38	0.79	13.56	11.99
DV132ML	1.06	1.38	1.75	1.92	0.79	15.93	14.35
DV160M	1.33	1.73	2.19	2.39	0.79	16.52	14.35
DV160L	1.57	2.12	2.32	2.59	0.87	17.15	14.98
DV180	2.35	3.07	3.42	3.82	0.87	19.98	17.81
DV200	1.80	2.29	2.68	2.92	—	21.16	18.99
DV225	—	4.34	—	—	—	24.67	21.91

Technical Data
AC Motors and Brakemotors
Synchronous speed 3600 rpm @ 60Hz Continuous Duty - 40°C Ambient - up to 3300 ft Elevation

Frame	P_n		n_n	I_n Amp			I_a/I_n	T_n	T_a/T_n	T_k/T_n	Cos	η	Code	J_m lb-ft^2		Z_o Starts/hr.		T_B	Weight lbs.	
Size	hp	kW	rpm	230V	460V	575V	%	lb-in.	%	%	φ	%	Letter	*	**	BG[2]	BGE[3]	lb-in.	*	**
DT71K2	0.33	0.25	3100	1.65	0.83	0.66	230	6.80	170	160	0.85	45	E	.00616	.00836	3400	4300	22	13	19
DT71C2	0.5	0.37	3300	1.68	0.84	0.67	330	9.50	170	160	0.91	61	D	.0104	.0125	2500	3300	44	15	22
DT71D2	0.75	0.55	3300	2.8	1.41	1.13	340	14.1	180	190	0.89	55	F	.0109	.0130	2100	2700	44	15	22
DT80K2	1	0.75	3300	3.50	1.75	1.40	400	19.2	200	200	0.86	62	F	.0158	.0177	1700	2100	88	22	28
DT80N2	1.5	1.1	3300	4.65	2.3	1.85	390	28.2	210	190	0.84	71	E	.0207	.0228	1400	1700	88	25	32
DT90S2	2	1.5	3300	6.6	3.3	2.65	400	38.4	220	210	0.88	65	F	.0594	.0722	1000	1300	177	35	57
DT90L2	3	2.2	3330	8.9	4.45	3.55	470	56	250	250	0.86	72	F	.0808	.0936	920	1100	177	40	62
DT100L2	5	3.7	3370	13.0	6.5	5.2	560	93	200	250	0.94	76	G	.126	.139	560	760	354	60	82
DV132S2	7.5	5.5	3480	18.3	9.1	7.3	690	134	260	260	0.88	86	H	.346	.375	—	430	664	105	139
DV132M2	10	7.5	3500	26.5	13.2	10.6	700	181	220	270	0.86	82	J	.665	.769	—	430	885	145	198
DV132ML2	12.5	9.2	3490	31.5	15.7	12.6	700	223	260	270	0.87	83	H	.784	.888	—	360	1328	165	220
DV160M2[1]	15	11	3500	36.5	18.2	14.5	680	266	260	270	0.88	86	H	.945	1.049	—	310	1328	185	240
DV160L2[1]	20	15	3510	52	26	21.0	680	361	250	290	0.90	80	H	2.197	2.449	—	95	1770	326	419
DV180M2[1]	25	18.5	3510	59	29.5	23.5	680	445	260	230	0.90	87	H	2.660	2.912 3.164[4]	—	60	2212 2212[4]	386	476 485[4]
DV180L2[1]	30	22	3510	69	34.5	28.0	630	530	290	230	0.90	89	G	3.064	3.316 3.567[4]	—	50	2655 2655[4]	410	503 512[4]

* Without Brake
** With Brake
1) To assure a long life of the brake lining do not mechanically brake at speeds above 1800 rpm. The motor must be dynamically braked to 1800 rpm.
2) Values with BG rectifier (standard for frame size 100L and smaller)
3) Values with BGE rectifier (standard for frame size 112M and larger)
4) Double Disc Brake

Abbreviations

P_n Rated Power
n_n Full Load Speed
I_n Full Load Current
I_a/I_n Starting Current Ratio (Locked Rotor)
T_n Full Load Torque
T_a/T_n Starting Torque Ratio
T_k/T_n Breakdown Torque Ratio
Cos φ Power Factor
η Motor Efficiency
J_m Motor Inertia
Z_o Permissible no-load starting frequency at 50% ED
T_B Maximum Brake Torque

Continuous Duty - 40°C Ambient - up to 3300 ft Elevation **Synchronous speed 1800 rpm @ 60Hz**

Frame	P_n		n_n	I_n Amp			I_a/I_n	T_n	T_a/T_n	T_k/T_n	Cos	η	Code	J_m lb-ft^2		Z_o Starts/hr.		T_B	Weight lbs.	
Size	hp	kW	rpm	230V	460V	575V	%	lb-in.	%	%	φ	%	Letter	*	**	BG[2]	BGE[3]	lb-in.	*	**
DT71K4	0.25	0.18	1700	1.10	0.55	0.40	338	9.3	185	225	0.67	62	G	.0062	.0084	9000	9000	22	13	19
DT71C4	0.33	0.25	1720	1.32	0.66	0.50	489	12.1	265	280	0.66	72	J	.0104	.0125	7800	9000	44	15	22
DT71D4	0.5	0.37	1700	2.00	1.00	0.80	400	18.5	215	225	0.71	68	H	.0104	.0125	5200	9000	44	15	22
DT80K4	0.75	0.55	1700	2.90	1.45	1.20	445	27.8	245	270	0.67	74	H	.0156	.0177	3700	8000	88	22	28
DT80N4	1	0.75	1700	3.70	1.85	1.50	486	37.1	300	270	0.69	75.5	J	.0207	.0228	2800	7500	88	25	32
DT90S4	1.5	1.1	1740	5.20	2.60	2.10	612	54.3	300	340	0.69	77	K	.0594	.0722	2000	5000	177	35	57
DT90L4	2	1.5	1720	6.2	3.10	2.50	694	73.3	325	340	0.76	80	K	.0789	.0936	1500	3800	177	40	62
DT100LS4	3	2.2	1720	8.6	4.30	3.4	651	110	300	305	0.80	81.5	J	.101	.114	1000	2700	354	51	73
DT100L4	5	3.7	1680	13.6	6.8	5.4	574	188	260	250	0.84	81.5	G	.126	.139	800	2000	354	60	82
DV112M4	5.4	4.0	1730	14.0	7.0	5.6	703	197	280	285	0.82	85.5	J	.233	.262	—	1400	487	84	110
DV132S4	7.5	5.5	1720	18.8	9.4	7.5	670	275	275	275	0.85	86.5	H	.416	.445	—	1200	664	106	139
DV132M4	10	7.5	1740	27.4	13.7	11.0	545	362	255	225	0.78	87.5	G	.655	.769	—	1000	885	146	198
DV132ML4	12.5	9.2	1740	32.8	16.4	13.1	583	453	280	230	0.80	88.5	G	.783	.887	—	900	1328	165	220
DV160M4	15	11	1740	40	20	16.0	530	534	280	215	0.79	88.5	G	.945	1.049	—	700	1328	185	240
DV160L4	20	15	1760	54	27	21.6	537	716	300	190	0.79	89.5	G	2.197	2.449	—	560	1770	326	419
DV180M4	25	18.5	1760	63	31.5	25.2	533	895	260	165	0.82	88.5	F	2.660	2.912 3.164[1]	—	450	2655 2655[1]	386	476 485[1]
DV180L4	30	22	1760	80	40	32.0	528	1074	290	175	0.79	88.5	G	3.064	3.316 3.567[1]	—	400	2655 2655[1]	410	503 512[1]
DV200L4	40	30	1760	95	47.5	38.0	581	1432	280	190	0.89	90.2	F	5.558	5.809 6.061[1]	—	330	2655 5310[1]	538	650 659[1]
DV225S4	50	37	1760	118	59	47.2	559	1790	310	180	0.89	90.2	F	7.149	7.400 7.652[1]	—	250	2655 5310[1]	653	765 774[1]
DV225M4	60	45	1760	140	70	56.0	620	2149	310	200	0.88	91.7	G	8.479	8.730 8.982[1]	—	200	2655 5310[1]	717	831 840[1]

* Without Brake
** With Brake
1) Double Disc Brake
2) Values with BG rectifier (standard for frame size 100L and smaller)
3) Values with BGE rectifier (standard for frame size 112M and larger)

Abbreviations

P_n Rated Power
n_n Full Load Speed
I_n Full Load Current
I_a/I_n Starting Current Ratio (Locked Rotor)
T_n Full Load Torque
T_a/T_n Starting Torque Ratio
T_k/T_n Breakdown Torque Ratio
Cos φ Power Factor
η Motor Efficiency
J_m Motor Inertia
Z_o Permissible no-load starting frequency at 50% ED
T_B Maximum Brake Torque

Technical Data
AC Motors and Brakemotors
Synchronous speed 1200 rpm @ 60Hz Continuous Duty - 40°C Ambient - up to 3300 ft Elevation

Frame	P_n		n_n	I_n Amp			I_a/I_n	T_n	T_a/T_n	T_k/T_n	Cos	η	Code	J_m lb-ft^2		Z_o Starts/hr.		T_B	Weight lbs.	
Size	hp	kW	rpm	230V	460V	575V	%	lb-in.	%	%	φ	%	Letter	*	**	BG[2]	BGE[3]	lb-in.	*	**
DT71C6	0.25	0.18	1130	0.98	0.49	0.39	384	13.9	195	235	0.69	70	G	.0157	.0178	6800	10000	44	15	22
DT71D6	0.33	0.25	1130	1.6	0.80	0.64	329	18.4	205	240	0.64	64.5	H	.0157	.0178	6800	10000	44	15	22
DT80K6	0.5	0.37	1140	2.5	1.25	1.00	340	27.6	220	270	0.57	71.5	H	.0245	.0266	4600	8500	88	22	28
DT80N6	0.75	0.55	1120	3.1	1.55	1.24	342	42.2	220	240	0.68	70	G	.0335	.0356	4000	7000	88	25	32
DT90S6	1	0.75	1140	4.8	2.4	1.92	400	55	260	300	0.58	72	J	.0594	.0722	3200	6000	177	35	57
DT90L6	1.5	1.1	1140	6.0	3.0	2.40	447	83	260	280	0.62	75.5	J	.0808	.0936	2800	5000	177	40	62
DT100L6	2	1.5	1140	7.0	3.5	2.8	477	111	250	265	0.68	78.5	H	.126	.139	1900	3800	354	60	82
DV112M6	3	2.2	1155	9.4	4.7	3.76	628	164	270	320	0.71	82.5	J	.233	.262	—	2600	487	84	110
DV132S6	4	3	1155	11.4	5.7	4.56	651	218	250	300	0.77	84	J	.416	.445	—	2000	664	106	139
DV132M6	5	3.7	1170	15.8	7.9	6.3	570	269	260	280	0.70	84	J	1.021	1.125	—	1600	885	146	198
DV132ML6	7.5	5.5	1160	21.8	10.9	8.7	570	407	240	250	0.73	84	H	1.243	1.348	—	1100	1328	165	220
DV160M6	10	7.5	1160	28.6	14.3	11.4	560	543	240	260	0.75	85.5	H	1.545	1.648	—	800	1328	185	240
DV160L6	15	11	1150	39	19.5	15.6	590	822	220	270	0.83	85.5	G	3.182	3.420	—	550	1770	340	432
DV180L6	20	15	1160	58	29	23.2	721	1087	280	300	0.77	82.5	K	4.774	5.011 5.263[1]	—	420	2655 2655[1]	423	514 522[1]
DV200LS6	25	18.5	1175	64	32	25.6	563	1341	290	200	0.82	90.2	G	7.101	7.339 7.590[1]	—	350	2655 5310[1]	485	597 606[1]
DV200L6	30	22	1175	76	38	30.4	571	1609	320	210	0.81	91	G	8.289	8.538 8.790[1]	—	300	2655 5310[1]	538	650 659[1]

* Without Brake
** With Brake
1) Double Disc Brake
2) Values with BG rectifier (standard for frame size 100L and smaller)
3) Values with BGE rectifier (standard for frame size 112M and larger)

Abbreviations

P_n Rated Power
n_n Full Load Speed
I_n Full Load Current
I_a/I_n Starting Current Ratio (Locked Rotor)
T_n Full Load Torque
T_a/T_n Starting Torque Ratio
T_k/T_n Breakdown Torque Ratio
Cos φ Power Factor
η Motor Efficiency
J_m Motor Inertia
Z_o Permissible no-load starting frequency at 50% ED
T_B Maximum Brake Torque

Tapped Wound, Continuous Duty - 40°C Ambient - up to 3300 ft Elevation **Synchronous speed 1800/3600 rpm @ 60Hz**

Frame Size	P_n hp	P_n kW	n_n rpm	I_n Amp 230V	I_n Amp 460V	I_n Amp 575V	I_a/I_n %	T_n lb-in.	T_a/T_n %	T_k/T_n %	Cos φ	η %	Code Letter	J_m lb-ft² *	J_m lb-ft² **	Z_o Starts/hr. BG[2]	Z_o Starts/hr. BGE[3]	T_B lb-in.	Weight lbs. *	Weight lbs. **
DT71K4/2	0.20 0.27	0.15 0.20	1700 3200	1.49 1.32	0.75 0.66	0.60 0.53	240 240	7.45 5.30	160 160	165 170	0.76 0.85	33 45	E	.00616	.00836	4100 1700	5600 2200	22	13	19
DT71C4/2	0.27 0.38	0.20 0.28	1700 3320	1.37 1.40	0.69 0.70	0.55 0.56	320 370	9.94 7.13	150 150	200 190	0.74 0.90	49 56	F	.0104	.0125	4100 1700	5600 2200	44	15	22
DT71D4/2	0.34 0.50	0.25 0.37	1700 3320	1.80 1.75	0.90 0.88	0.72 0.70	270 300	12.4 9.42	150 160	180 170	0.71 0.88	49 60	D	.0109	.0130	3800 1600	5200 1900	44	15	22
DT80K4/2	0.55 0.85	0.40 0.63	1680 3300	2.15 2.65	1.08 1.33	0.86 1.06	300 350	20.1 16.1	160 150	190 160	0.75 0.93	62 64	D	.0156	.0177	2400 1400	3800 1500	88	22	28
DT80N4/2	0.75 1.20	0.55 0.88	1680 3300	3.15 3.55	1.58 1.78	1.26 1.42	320 360	28 23	180 170	190 160	0.71 0.91	62 68	D	.0207	.0228	2000 1400	3500 1500	88	25	32
DT90S4/2	1.2 1.7	0.88 1.30	1720 3350	4.3 5.8	2.15 2.90	1.72 2.30	430 370	43 33	190 160	230 190	0.76 0.85	68 66	F	.0594	.0722	1800 800	3100 1400	177	35	57
DT90L4/2	1.5 2.5	1.1 1.8	1730 3380	5.1 7.4	2.55 3.70	2.05 2.95	480 400	54 45	230 200	340 270	0.75 0.90	72 68	E	.0808	.0936	1600 700	2800 980	177	40	62
DT100LS4/2	2 3	1.5 2.2	1730 3410	6.1 7.9	3.05 3.95	2.45 3.15	530 500	73 55	230 220	260 230	0.77 0.90	80 78	F	.101	.114	800 500	2400 630	354	51	73
DT100L4/2	3.4 4	2.5 3.0	1710 3440	9.7 10.9	4.85 5.50	3.90 4.36	500 600	124 74	220 250	230 270	0.82 0.88	79 79	H	.126	.139	800 550	1650 600	354	60	82
DV112M4/2	4.5 5.5	3.3 4.0	1720 3460	12.5 15.1	6.3 7.6	5.0 6.0	500 500	162 98	180 210	220 240	0.82 0.83	81 80	F	.233	.262	—	1200 490	487	84	110
DV132S4/2	6 7.5	4.4 5.5	1720 3460	15.5 20.5	7.8 10.3	6.2 8.2	500 440	216 134	210 240	220 230	0.85 0.85	84 79	E	.346	.375	—	700 350	664	105	139
DV132M4/2[4]	8 10	6.0 7.5	1750 3500	20.5 27	10.3 13.5	8.2 10.8	690 690	290 181	210 190	260 280	0.86 0.86	85 81	J	.665	.769	—	800 300	885	146	198
DV132ML4/2[4]	10 13.5	7.5 10	1750 3500	26 35.5	13.0 17.8	10.4 14.2	700 660	362 241	230 210	300 320	0.85 0.86	81 82	H	.784	.888	—	750 250	1328	165	220
DV160L4/2[4]	18 20	13.5 15	1760 3520	48.5 53.0	24.5 26.5	19.5 21.0	560 630	648 360	250 250	280 250	0.80 0.87	87 82	H	2.197	2.449	—	700 170	1770	326	419
DV180M4/2[4]	22 25	16 18.5	1760 3520	56 63	28 31.5	22.5 25	570 650	768 444	260 250	220 270	0.80 0.87	90 85	H	2.660	2.912 3.164[1]	—	600 120	2655 2655[1]	385	476 485[1]
DV180L4/2[4]	25 30	18.5 23	1760 3530	66 76	33 38	26.5 30.5	620 720	888 550	270 260	260 280	0.80 0.88	88 86	J	3.064	3.316 3.567[1]	—	550 100	2655 2655[1]	410	503 512[1]
DV200L4/2[4]	35 45	26 33	1770 3540	83 109	41.5 55	33 43.5	730 730	1241 788	340 300	280 310	0.87 0.91	90 84	H	5.558	5.809 6.061[1]	—	250 50	2655 5310[1]	538	650 659[1]
DV225S4/2[4]	40 50	30 38	1770 3550	98 127	49 64	39 51	680 820	1432 904	300 300	300 300	0.86 0.90	89 83	K	7.149	7.400 7.652[1]	—	180 35	2655 5310[1]	653	765 774[1]
DV225M4/2[4]	45 60	35 45	1775 3550	111 146	56 73	44.5 58	680 830	1600 1070	320 320	250 280	0.86 0.90	92 86	K	8.479	8.730 8.982[1]	—	120 30	2655 5310[1]	717	831 840[1]

* Without Brake
** With Brake
1) Double Disc Brake
2) Values with BG rectifier (standard for frame size 100L and smaller)
3) Values with BGE rectifier (standard for frame size 112M and larger)
4) To assure a long life of the brake lining do not mechanically brake at speeds above 1800 rpm. The motor must be dynamically braked from 2 pole to 4 pole speed.

Abbreviations

P_n Rated Power
n_n Full Load Speed
I_n Full Load Current
I_a/I_n Starting Current Ratio (Locked Rotor)
T_n Full Load Torque
T_a/T_n Starting Torque Ratio
T_k/T_n Breakdown Torque Ratio
Cos φ Power Factor
η Motor Efficiency
J_m Motor Inertia
Z_o Permissible no-load starting frequency at 50% ED
T_B Maximum Brake Torque

Technical Data
AC Motors and Brakemotors
Synchronous speed 900/1800 rpm @ 60Hz Tapped Wound, Continuous Duty - 40°C Ambient - up to 3300 ft Elevation

Frame	P_n		n_n	I_n Amp			I_a/I_n	T_n	T_a/T_n	T_k/T_n	Cos	η	Code	J_m lb-ft^2		Z_o Starts/hr.		T_B	Weight lbs.	
Size	hp	kW	rpm	230V	460V	575V	%	lb-in.	%	%	φ	%	Letter	*	**	BG[2]	BGE[3]	lb-in.	*	**
DT71D8/4	0.14 0.24	0.10 0.18	800 1680	0.86 0.94	0.43 0.47	0.34 0.38	220 330	10.6 9.05	170 150	200 180	0.70 0.85	42 57	F	.0156	.0177	5600 3200	8400 4900	44	16	24
DT80K8/4	0.22 0.40	0.16 0.30	800 1680	1.32 1.50	0.66 0.75	0.53 0.60	190 300	16.9 15.1	150 150	150 170	0.68 0.83	45 60	E	.0245	.0266	4800 2800	7700 4200	88	22	30
DT80N8/4	0.3 0.5	0.22 0.40	820 1700	1.77 1.98	0.89 0.99	0.71 0.79	210 350	22.7 19.9	170 160	180 180	0.66 0.83	47 61	F	.0335	.0356	4400 2700	7000 4200	88	25	33
DT90S8/4	0.4 0.8	0.3 0.6	850 1700	2.95 2.95	1.48 1.48	1.18 1.18	250 430	30 30	200 180	210 220	0.58 0.84	44 61	H	.0594	.0722	2800 2200	6300 3500	177	35	55
DT90L8/4	0.6 1.2	0.44 0.88	850 1700	3.65 3.80	1.83 1.90	1.46 1.52	210 420	44 44	190 170	230 220	0.56 0.84	54 69	F	.0808	.0936	2500 2000	5000 3000	177	40	60
DT100LS8/4	0.9 1.8	0.66 1.30	830 1700	4.65 5.30	2.35 2.65	1.86 2.10	260 400	67 65	180 170	170 170	0.60 0.85	60 72	E	.101	.114	2000 1600	3900 2500	354	51	75
DT100L8/4	1.2 2.4	0.9 1.8	830 1700	6.3 6.8	3.15 3.40	2.5 2.7	270 400	92 89	150 160	190 180	0.60 0.88	60 76	E	.126	.139	2000 1200	3500 1900	354	57	82
DV112M8/4	1.6 3.0	1.2 2.2	850 1740	7.4 8.3	3.70 4.15	2.95 3.30	340 580	119 107	190 190	230 220	0.58 0.86	70 77	H	.233	.262	—	2800 1400	487	79	101
DV132S8/4	2.4 4.5	1.8 3.3	850 1740	12.5 12.3	6.3 6.2	5.00 4.90	370 630	179 160	230 210	260 270	0.57 0.86	63 78	H	.346	.375	—	2100 1050	664	99	121
DV132M8/4	3 6	2.2 4.4	870 1750	12.2 15.5	6.1 7.8	4.90 6.2	390 570	219 217	220 220	250 240	0.60 0.88	75 81	G	.665	.769	—	2100 1000	885	146	198
DV132ML8/4	3.5 7.5	2.7 5.5	870 1750	14.4 19.0	7.2 9.5	5.8 7.6	360 530	268 273	230 240	250 240	0.62 0.84	76 87	F	.784	.888	—	1900 980	1328	165	212
DV160M8/4	5 10	3.8 7.5	870 1760	20.5 25.5	10.3 12.8	8.2 10.2	380 600	369 360	280 280	260 260	0.60 0.85	78 87	G	.945	1.049	—	1400 960	1328	187	234
DV160L8/4	7.5 13.5	5.5 10	870 1760	31.5 35.0	15.7 17.3	12.6 13.9	310 570	534 480	170 230	170 230	0.55 0.83	80 86	G	2.197	2.449	—	1100 840	1770	317	397
DV180L8/4	10 20	7.5 15	870 1760	45.5 53.0	23.0 27.3	18.2 21.8	350 600	720 716	250 250	190 220	0.51 0.81	81 88	H	3.064	3.316 3.567[1]	—	750 650	2655 2655[1]	401	481 489[1]
DV200LS8/4	16 27	12 20	870 1750	48 63	24.0 31.5	19.1 25.0	380 500	1165 966	200 200	190 200	0.73 0.90	86 89	E	7.101	7.339 7.590[1]	—	700 550	2655 5310[1]	489	582 591[1]
DV200L8/4	19 30	14 22	870 1750	56 70	28.0 35.0	22.5 28.0	400 550	1360 1062	240 240	210 220	0.74 0.90	85 88	E	8.289	8.538 8790[1]	—	600 450	2655 5310[1]	511	604 613[1]

* Without Brake
** With Brake
1) Double Disc Brake
2) Values with BG rectifier (standard for frame size 100L and smaller)
3) Values with BGE rectifier (standard for frame size 112M and larger)

Abbreviations

P_n Rated Power
n_n Full Load Speed
I_n Full Load Current
I_a/I_n Starting Current Ratio (Locked Rotor)
T_n Full Load Torque
T_a/T_n Starting Torque Ratio
T_k/T_n Breakdown Torque Ratio
Cos φ Power Factor
η Motor Efficiency
J_m Motor Inertia
Z_o Permissible no-load starting frequency at 50% ED
T_B Maximum Brake Torque

Separately Wound, S3-40/60% ED - 40°C Ambient - up to 3300 ft Elevation **Synchronous speed 1200/3600 rpm @ 60Hz**

Frame	P_n		n_n	I_n Amp			I_a/I_n	T_n	T_a/T_n	T_k/T_n	Cos	η	Code	J_m lb-ft²		Z_o Starts/hr.		T_B	Weight lbs.	
Size	hp	kW	rpm	230V	460V	575V	%	lb-in.	%	%	φ	%	Letter	*	**	BG[2]	BGE[3]	lb-in.	*	**
DT71D6/2	0.10 0.34	0.08 0.25	1090 3330	0.74 1.44	0.37 0.72	0.30 0.58	200 300	6.2 6.3	150 230	170 220	0.70 0.82	39 53	F	.0109	.0130	7600 4000	13000 5000	22	16	24
DT80K6/2	0.18 0.55	0.13 0.40	1090 3380	1.16 2.30	0.58 1.15	0.46 0.93	200 370	10.1 10.0	150 260	170 250	0.66 0.76	43 57	G	.0156	.0177	7500 3100	11000 4000	44	23	28
DT80N6/2	0.27 0.80	0.2 0.6	1090 3380	1.62 3.65	0.81 1.83	0.65 1.45	200 390	15.5 15.0	150 250	160 250	0.68 0.70	46 59	H	.0207	.0228	7000 2400	9000 3000	44	26	34
SDT90S6/2[5]	0.4 1.2	0.3 0.9	1020 3180	2.70 4.70	1.35 2.35	1.08 1.88	200 290	24.9 23.9	170 230	160 230	0.72 0.85	39 57	E	.0594	.0722	4600 1300	5000 1700	88	35	55
SDT90L6/2[5]	0.55 1.80	0.4 1.3	1040 3180	2.7 6.2	1.35 3.10	1.08 2.50	230 350	32.5 34.5	170 230	160 230	0.70 0.87	53 60	E	.0808	.0936	3500 1000	3900 1300	88	42	62
SDT100LS6/2[5]	0.8 2.5	0.6 1.8	1060 3240	4.35 8.5	2.15 4.25	1.74 3.40	220 350	47.8 47.0	180 240	170 240	0.66 0.84	52 63	E	.101	.114	3000 900	3500 1200	177	51	71
SDT100L6/2[5]	1.1 3.3	0.8 2.4	1050 3250	4.8 9.6	2.4 4.8	1.92 3.85	250 380	64.0 62.4	170 250	160 250	0.66 0.85	63 74	D	.126	.139	2700 800	3300 1000	177	57	77
SDV112M6/2[5]	1.4 4.0	1.0 3.0	1110 3300	6.3 11.7	3.15 5.8	2.50 4.70	280 410	76 77	170 230	160 240	0.65 0.87	61 74	E	.233	.262	—	2700 850	266	79	101
SDV132S6/2[5]	1.8 5.5	1.3 4.0	1120 3300	8.60 15.0	4.30 7.50	3.45 6.00	280 440	98 102	180 220	210 220	0.60 0.90	63 80	E	.346	.375	—	2000 700	327	99	121
DV132M6/2[4]	2.2 6.5	1.6 4.8	1150 3470	6.9 17.3	3.45 8.7	2.75 6.9	480 530	118 117	240 270	290 290	0.74 0.88	79 79	H	.665	.769	—	1800 350	442	143	196
DV132ML6/2[4]	2.7 8.0	2.0 6.0	1150 3500	9.0 23	4.50 11.5	3.6 9.2	480 500	147 145	230 230	240 260	0.72 0.86	77 76	G	.784	.888	—	1300 300	664	165	212
DV160M6/2[4]	3.4 10	2.5 7.5	1150 3500	11.1 26.5	5.6 13.3	4.45 10.6	500 600	184 181	250 230	300 240	0.72 0.90	79 79	H	.945	1.049	—	1000 240	664	187	234
DV160L6/2[4]	5 15	3.7 11	1160 3500	15.9 41.5	8.0 21.0	6.4 16.6	420 560	270 266	200 240	220 280	0.71 0.86	82 77	G	2.197	2.449	—	700 150	885	324	403
DV180M6/2[4]	5.70 16.5	4.2 13	1160 3500	18.2 48.5	9.1 24.5	7.3 19.4	450 560	306 314	210 250	230 300	0.75 0.86	77 78	H	2.660	2.912 3.164[1]	—	600 120	1328 1328[1]	377	456 465[1]
DV180L6/2[4]	7.5 22	5.5 16	1150 3500	23 58	11.5 29.0	9.2 23.0	430 700	404 386	220 300	240 330	0.73 0.86	82 81	J	3.064	3.316 3.567[1]	—	520 100	1328 1328[1]	419	498 507[1]

* Without Brake
** With Brake
1) Double Disc Brake
2) Values with BG rectifier (standard for frame size 100L and smaller)
3) Values with BGE rectifier (standard for frame size 112M and larger)
4) To assure a long life of the brake lining do not mechanically brake at speeds above 1800 rpm. The motor must be dynamically braked to 1800 rpm.
5) SDT; SDV Duty S3 40/100% ED

Abbreviations

P_n	Rated Power
n_n	Full Load Speed
I_n	Full Load Current
I_a/I_n	Starting Current Ratio (Locked Rotor)
T_n	Full Load Torque
T_a/T_n	Starting Torque Ratio
T_k/T_n	Breakdown Torque Ratio
Cos φ	Power Factor
η	Motor Efficiency
J_m	Motor Inertia
Z_o	Permissible no-load starting frequency at 50% ED
T_B	Maximum Brake Torque

Technical Data
AC Motors and Brakemotors
Synchronous speed 900/3600 rpm @ 60Hz Separately Wound, S3-40/60% ED - 40°C Ambient - up to 3300 ft Elevation

Frame Size	P_n hp	kW	n_n rpm	I_n Amp 230V	460V	575V	I_a/I_n %	T_n lb-in.	T_a/T_n %	T_k/T_n %	Cos φ	η %	Code Letter	J_m lb-ft² *	**	Z_o Starts/hr. BG[2]	BGE[3]	T_B lb-in.	Weight lbs. *	**
DT71D8/2	0.08 0.34	0.06 0.25	825 3270	0.78 1.22	0.39 0.61	0.31 0.49	160 360	6.1 6.5	140 200	160 200	0.78 0.89	25 58	F	.0109	.0130	14000 4000	17000 5000	22	16	24
DT80K8/2	0.14 0.55	0.10 0.40	810 3285	1.30 1.90	0.65 0.95	0.52 0.76	160 380	10.4 10.3	170 210	160 200	0.65 0.88	30 60	F	.0156	.0177	11000 3100	14000 4000	44	23	31
DT80N8/2	0.2 0.8	0.15 0.60	810 3310	1.75 2.45	0.88 1.23	0.70 0.98	160 370	15.7 15.3	180 210	150 210	0.60 0.89	36 69	E	.0207	.0228	10000 2400	12000 3000	44	26	34
SDT90S8/2[5]	0.3 1.2	0.22 0.90	800 3280	2.80 4.45	1.40 2.20	1.12 1.78	170 330	23.2 23.7	170 250	170 230	0.61 0.82	32 62	E	.0594	.0722	8000 1300	10000 1700	88	35	55
SDT90L8/2[5]	0.4 1.8	0.3 1.3	780 3280	3.05 5.80	1.52 2.90	1.22 2.30	200 420	32.5 33.5	170 270	180 250	0.64 0.87	39 65	F	.0808	.0936	6000 1000	7600 1300	88	40	60
SDT100LS8/2[5]	0.6 2.5	0.45 1.80	780 3280	4.15 7.30	2.10 3.65	1.66 2.90	200 400	48.8 46.4	170 240	180 220	0.62 0.89	44 70	E	.101	.114	5000 900	6000 1200	177	51	71
SDT100L8/2[5]	0.8 3.3	0.6 2.4	780 3300	5.3 9.2	2.65 4.60	2.10 3.70	200 450	65.0 61.5	180 260	180 240	0.60 0.90	47 73	E	.126	.139	3800 800	5000 1000	177	57	77
SDV112M8/2[5]	1.1 4.0	0.8 3.0	830 3330	6.3 12.0	3.15 6.0	2.50 4.80	220 460	81 76	140 200	180 200	0.55 0.84	58 75	E	.233	.262	—	4000 850	266	79	101
SDV132S8/2[5]	1.4 5.5	1.0 4.0	840 3330	9.1 14.9	4.55 7.5	3.65 6.0	260 450	101 102	140 200	180 200	0.54 0.90	51 75	E	.346	.375	—	3100 700	327	99	121
DV132M8/2[4]	1.6 6.5	1.2 4.8	860 3470	7.9 17.4	3.95 8.7	3.15 7.00	350 630	118 117	190 270	250 270	0.57 0.88	67 79	H	.665	.769	—	2600 350	442	143	196
DV132ML8/2[4]	2 8	1.5 6.0	860 3500	9.6 23	4.8 11.5	3.85 9.2	330 500	147 145	200 230	200 240	0.57 0.86	69 76	G	.784	.888	—	2200 300	664	165	211
DV160M8/2[4]	2.6 10	1.9 7.5	860 3500	12.3 26.5	6.2 13.3	4.9 10.6	350 520	187 181	180 200	230 300	0.56 0.85	69 84	F	.945	1.049	—	1700 240	664	187	234
DV160L8/2[4]	3.8 15	2.8 11	860 3500	17.4 41.5	8.7 21	7.0 16.6	340 560	275 266	220 240	220 280	0.55 0.86	73 77	G	2.197	2.449	—	1300 150	885	324	403
DV180M8/2[4]	4.5 16.5	3.3 13	860 3500	19.8 48.5	9.9 24.5	7.9 19.5	320 560	324 314	190 250	200 300	0.58 0.86	72 78	H	2.660	2.912 3.164[1]	—	1000 120	1328 1328[1]	377	456 485[1]
DV180L8/2[4]	5.5 22	4 16	860 3500	26.5 58.0	13.3 29.0	10.6 23.0	320 700	393 386	210 300	230 330	0.58 0.88	65 81	J	3.064	3.316 3.567[1]	—	900 100	1328 1328[1]	401	480 489[1]
DV200L8/2[4]	6.8 27	5 20	880 3530	27.5 73	13.8 36.5	11 29	400 750	480 479	300 350	300 360	0.57 0.86	80 80	K	5.558	5.809 6.061[1]	—	310 70	1328 2655[1]	551	644 653[1]
DV225S8/2[4] [6]	8 33	6 24	880 3530	33 83	16.5 41.5	13.2 33.0	420 800	576 575	330 330	330 340	0.56 0.90	82 81	K	7.149	7.400 7.652[1]	—	200 40	1328 2655[1]	657	750 758[1]
DV225M8/2[4] [6]	10 40	7.5 30	880 3540	41.5 106	21 53	16.6 42.5	460 950	720 716	330 350	330 360	0.56 0.90	81 80	M	8.479	8.730 8.982[1]	—	200 40	1328 26551)	703	796 805[1]

* Without Brake
** With Brake
1) Double Disc Brake
2) Values with BG rectifier (standard for frame size 100L and smaller)
3) Values with BGE rectifier (standard for frame size 112M and larger)
4) To assure a long life of the brake lining do not mechanically brake at speeds above 1800 rpm. The motor must be dynamically braked to 1800 rpm.
5) SDT; SDV Duty S3 40/100% ED
6) Only available in STAR/DELTA

Abbreviations

P_n Rated Power
n_n Full Load Speed
I_n Full Load Current
I_a/I_n Starting Current Ratio (Locked Rotor)
T_n Full Load Torque
T_a/T_n Starting Torque Ratio
T_k/T_n Breakdown Torque Ratio
Cos φ Power Factor
η Motor Efficiency
J_m Motor Inertia
Z_o Permissible no-load starting frequency at 50% ED
T_B Maximum Brake Torque

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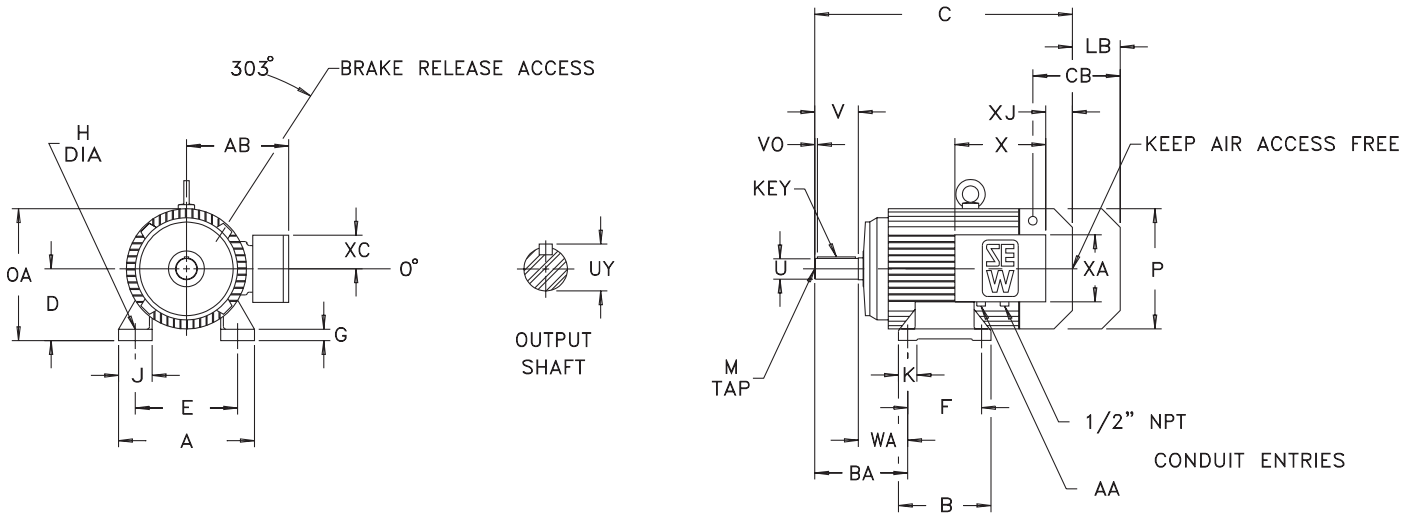
Dimensions
Type DT/DV Motors and Brakemotors - Foot Mounted



Motor

Model	A	B	BA	C	CB	D	E	F	G	H	J	K	LB	OA	P	WA
DT71	5.67	4.53	2.95	9.13	2.32	2.80 $^{+0}_{-.02}$	4.41	3.54	0.20	0.28	1.22	1.26	2.52	5.67	5.71[1]	1.77
	144	115	75	232	59	71 $^{+0}_{-.5}$	112	90	5	7	31	32	64	144	145[1]	45
DT80	5.87	4.92	3.54	11.50	2.32	3.15 $^{+0}_{-.02}$	4.92	3.94	0.39	0.35	1.30	1.10	2.52	6.02	5.71	1.97
	149	125	90	292	59	80 $^{+0}_{-.5}$	125	100	10	9	33	28	64	153	145	50
DT90	6.93	5.98	4.17	12.72	2.72	3.54 $^{+0}_{-.02}$	5.51	4.92[2]	0.31	0.35	1.26	1.26	3.35	7.44	7.76[1]	2.20
	176	152	106	323	69	90 $^{+0}_{-.5}$	140	125[2]	8	9	32	32	85	189	197[1]	56
DT100	7.40	6.69	4.84	14.61	2.72	3.94 $^{+0}_{-.02}$	6.30	5.51	0.47	0.47	1.50	1.38	3.35	7.83	7.76	2.48
	188	170	123	371	69	100 $^{+0}_{-.5}$	160	140	12	12	38	35	85	199	197	63
DV112M	8.66	6.69	5.12	16.10	3.82	4.41 $^{+0}_{-.02}$	7.48	5.51	0.55	0.47	1.73	1.38	3.15	8.78	8.70	2.76
	220	170	130	409	97	112 $^{+0}_{-.5}$	190	140	14	12	44	35	80	223	221	70

Output Shaft

Model	U	UY	V	VO	Key	M
DT71	0.551 $^{+.0005}_{-0}$	0.63	1.18	0.16	.20 x .20 x .87	M5 x .49
	14 $^{+.012}_{+.001}$	16	30	4	5 x 5 x 22	M5 x 12.5
DT80	0.748 $^{+.0006}_{+.0001}$	0.85	1.57	0.16	.24 x .24 x 1.26	M6 x .63
	19 $^{+.015}_{+.002}$	21.5	40	4	6 x 6 x 32	M6 x 16
DT90	0.945 $^{+.0006}_{+.0001}$	1.06	1.97	0.20	.31 x .28 x 1.57	M8 x .75
	24 $^{+.015}_{+.002}$	27	50	5	8 x 7 x 40	M8 x 19
DT100	1.102 $^{+.0006}_{+.0001}$	1.22	2.36	0.20	.31 x .28 x 1.97	M10 x .87
	28 $^{+.015}_{+.002}$	31	60	5	8 x 7 x 50	M10 x 22
DV112M	1.102 $^{+.0006}_{+.0001}$	1.22	2.36	0.20	.31 x .28 x 1.97	M10 x .87
	28 $^{+.015}_{+.002}$	31	60	5	8 x 7 x 50	M10 x 22

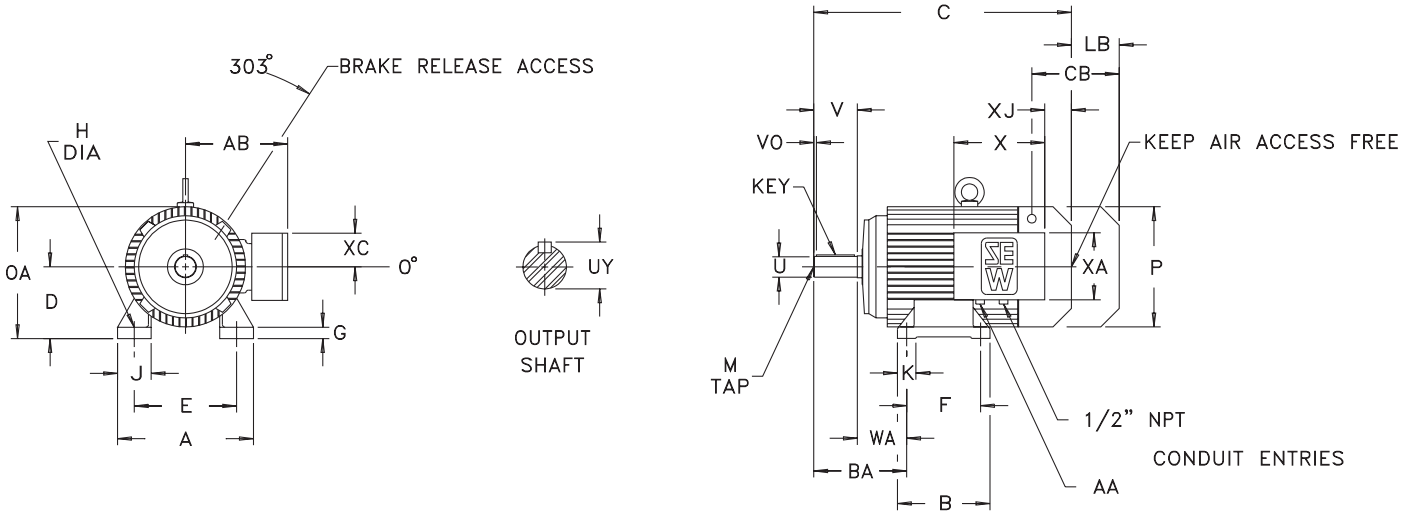
Conduit Box

AA	AB	X	XA	XC	XJ
1/2 *NPT*	5.43	5.79	4.53	2.24	0.55
—	138	147	115	57	14
1/2 *NPT*	5.43	5.79	4.53	2.24	0.55
—	138	147	115	57	14
1/2 *NPT*	6.73	5.79	4.53	2.24	1.10
—	171	147	115	57	28
3/4 *NPT*	6.89	6.57	4.84	2.40	1.22
—	175	167	123	61	31
3/4 *NPT*	7.40	6.57	4.84	2.40	1.85
—	188	167	123	61	47

[1] Fan Guard flattened at base.
[2] Not per IEC for DT90S motors.

Dimensions are $\frac{\text{inch}}{\text{mm}}$

Dimension LB is for brake option.
Dimension CB is for brake release access.
Eye bolts are removable.



Motor

Model	A	B	BA	C	CB	D	E	F	G	H	J	K	LB	OA	P	WA
DV132S	9.84	6.69	6.65	18.66	3.82	5.20 $^{+0}_{-.02}$	8.50	5.51	0.83	0.47	2.44	1.38	3.15	9.57	8.70	3.50
	250	170	169	474	97	132 $^{+0}_{-.5}$	216	140	21	12	62	35	80	243	221	89
DV132M	10.20	8.58	6.65	18.98	4.41	5.20 $^{+0}_{-.02}$	8.50	7.01	0.67	0.51	2.60	1.77	4.41	10.63	10.83[1]	3.50
	259	218	169	482	112	132 $^{+0}_{-.5}$	216	178	17	13	66	45	112	270	275[1]	89
DV132ML[2]	11.38	9.92	7.40	21.34	4.41	6.30 $^{+0}_{-.02}$	10.00	8.27	0.98	0.59	3.23	1.97	4.41	11.73	10.83	4.25
	289	252	188	542	112	160 $^{+0}_{-.5}$	254	210	25	15	82	50	112	298	275	108
DV160M	11.38	9.92	8.58	22.52	4.41	6.30 $^{+0}_{-.02}$	10.00	8.27	0.98	0.59	3.23	1.97	4.41	11.73	10.83	4.25
	289	252	218	572	112	160 $^{+0}_{-.5}$	254	210	25	15	82	50	112	298	275	108
DV160L	12.13	11.57	8.58	24.13	6.30	6.30 $^{+0}_{-.02}$	10.00	10.00	0.75	0.55	2.95	2.56	6.14	12.83	13.03[1]	4.25
	308	294	218	613	160	160 $^{+0}_{-.5}$	254	254	19	14	75	65	156	326	331[1]	108

Output Shaft

Model	U	UY	V	VO	Key	M
DV132S	1.496 $^{+.0007}_{+.0001}$	1.61	3.15	0.20	.39 x .31 x 2.76	M12 x 1.10
	38 $^{+.018}_{+.002}$	41	80	5	10 x 8 x 70	M12 x 28
DV132M	1.496 $^{+.0007}_{+.0001}$	1.61	3.15	0.20	.39 x .31 x 2.76	M12 x 1.10
	38 $^{+.018}_{+.002}$	41	80	5	10 x 8 x 70	M12 x 28
DV132ML	1.496 $^{+.0007}_{+.0001}$	1.61	3.15	0.20	.39 x .31 x 2.76	M12 x 1.10
	38 $^{+.018}_{+.002}$	41	80	5	10 x 8 x 70	M12 x 28
DV160M	1.654 $^{+.0007}_{+.0001}$	1.77	4.33	0.39	.47 x .31 x 2.76	M16 x 1.42
	42 $^{+.018}_{+.002}$	45	110	10	12 x 8 x 70	M16 x 36
DV160L	1.654 $^{+.0007}_{+.0001}$	1.77	4.33	0.39	.47 x .31 x 2.76	M16 x 1.42
	42 $^{+.018}_{+.002}$	45	110	10	12 x 8 x 70	M16 x 36

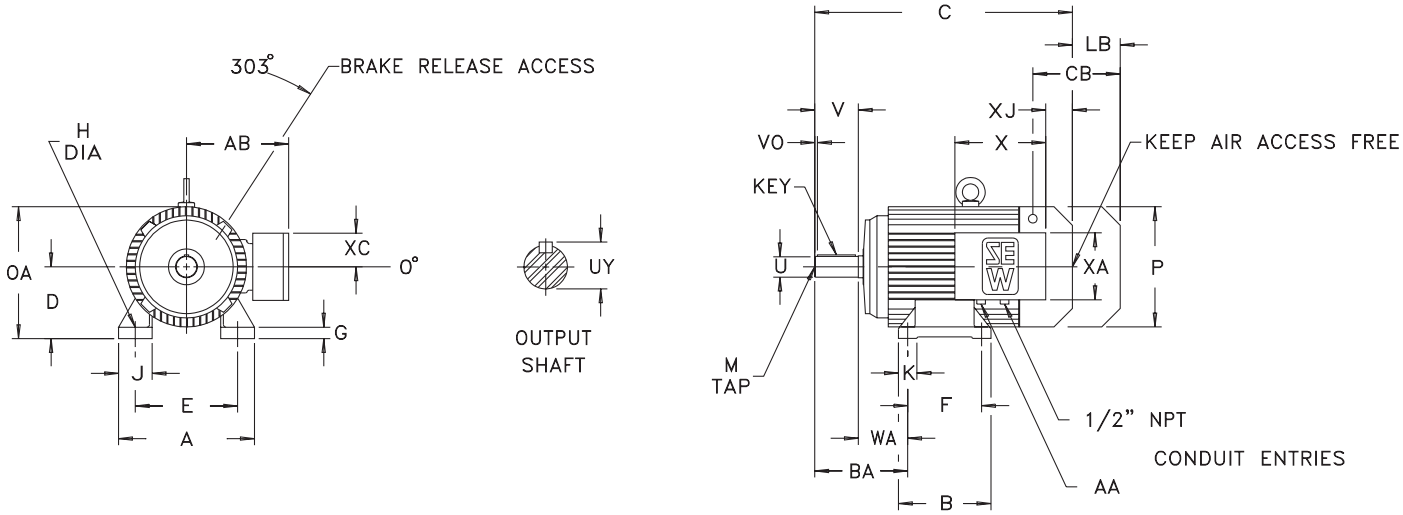
Conduit Box

AA	AB	X	XA	XC	XJ
$^{3}/_{4}$ *NPT*	7.40	6.57	4.84	2.40	1.85
—	188	167	123	61	47
$1^{1}/_{4}$ *NPT*	9.13	7.52	6.34	3.15	2.17
—	232	191	161	80	55
$1^{1}/_{4}$ *NPT*	9.13	7.52	6.34	3.15	2.17
—	232	191	161	80	55
$1^{1}/_{4}$ *NPT*	9.13	7.52	6.34	3.15	2.32
—	232	191	161	80	59
$2 \times 1^{1}/_{2}$ *NPT*	10.04	8.86	9.06	3.66	5.98
—	255	225	230	93	152

[1] Fan Guard flattened at base.
[2] "D" dimension is not per IEC.

Dimensions are $\frac{\text{inch}}{\text{mm}}$
Dimension LB is for brake option.
Dimension CB is for brake release access.
Eye bolts are removable.

Dimensions
Type DT/DV Motors and Brakemotors - Foot Mounted



Motor

Model	A	B	BA	C	CB	D	E	F	G	H	J	K	LB	OA	P	WA
DV180	12.60	12.56	9.09	26.97	6.30[1]	7.09 $^{+0}_{-.02}$	10.98	10.98[3]	1.30	0.59	3.23	2.56	6.14	13.62	13.03	4.76
	320	319	231	685	160[1]	180 $^{+0}_{-.5}$	279	279[3]	33	15	82	65	156	346	331	121
DV200	14.88	13.98	9.57	28.58	6.77[2]	7.87 $^{+0}_{-.02}$	12.52	12.01	1.10	0.75	3.74	2.95	6.14	15.63	15.51	5.24
	378	355	243	726	172[2]	200 $^{+0}_{-.5}$	318	305	28	19	95	75	156	397	394	133
DV225	16.30	14.61	11.38	32.68	6.77[2]	8.86 $^{+0}_{-.02}$	14.02	12.24[3]	1.57	0.75	4.53	2.76	6.14	16.61	15.51	5.87
	414	371	289	830	172[2]	225 $^{+0}_{-.5}$	356	311[3]	40	19	115	70	156	422	394	149

Output Shaft

Model	U	UY	V	VO	Key	M
DV180	1.890 $^{+.0007}_{+.0001}$	2.03	4.33	0.39	.55 x .35 x 3.15	M20 x 1.65
	48 $^{+.018}_{+.002}$	51.5	110	10	14 x 9 x 80	M20 x 42
DV200	2.165 $^{+.001}_{+.0004}$	2.32	4.33	0.39	.63 x .39 x 3.54	M20 x 1.65
	55 $^{+.030}_{+.011}$	59	110	10	16 x 10 x 90	M20 x 42
DV225	2.362 $^{+.001}_{+.0004}$	2.52	5.51	0.59	.71 x .43 x 3.94	M20 x 1.65
	60 $^{+.030}_{+.011}$	64	140	15	18 x 11 x 100	M20 x 42

Conduit Box

AA	AB	X	XA	XC	XJ
2 × 1 1/2 NPT	10.55	8.86	9.06	3.66	7.40
—	268	225	230	993	188
2 × 1 1/2 NPT	11.81	8.86	9.06	3.66	9.29
—	300	225	230	93	236
2 × 1 1/2 NPT	11.97	8.86	9.06	3.66	10.94
—	304	225	230	93	278

[1] CB = $\frac{5.24}{133}$ for double disc brake.

[2] CB = $\frac{5.63}{143}$ for double disc brake.

[3] Not per IEC for DV180M and DV225S motors.

Dimensions are $\frac{\text{inch}}{\text{mm}}$

Dimension LB is for brake option.
Dimension CB is for brake release access.
Eye bolts are removable.

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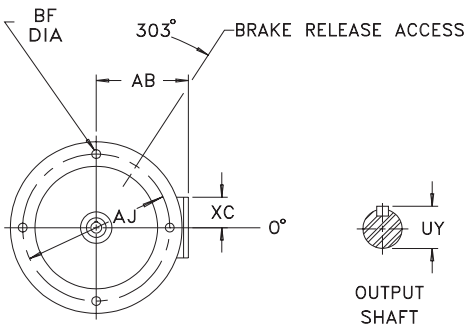
Dimensions
Type DFT/DFV Motors and Brakemotors - Flange Mounted

FIG. I



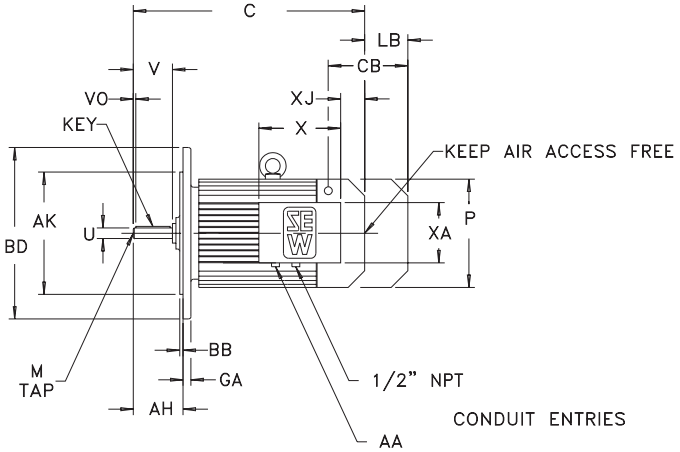
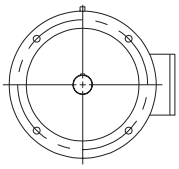
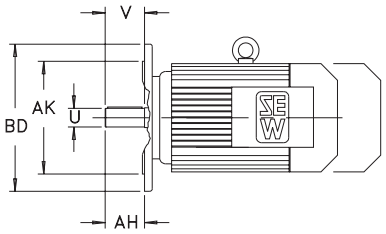


FIG. II





Motor

Model	C	CB	LB	P
DFT71	9.13	2.32	2.52	5.71
	232	59	64	145
DFT80	11.50	2.32	2.52	5.71
	292	59	64	145
DFT90	12.72	2.72	3.35	7.76
	323	69	85	197

Output Shaft

U	UY	V	VO	Key	M
0.551 $^{+.0005}_{-0}$	0.63	1.18	0.16	.20 x .20 x .87	M5 x .49
14 $^{+.012}_{+.001}$	16	30	4	5 x 5 x 22	M5 x 12.5
0.748 $^{+.0006}_{+.0001}$	0.85	1.57	0.16	.24 x .24 x 1.26	M6 x .63
19 $^{+.015}_{+.002}$	21.5	40	4	6 x 6 x 32	M6 x 16
0.945 $^{+.0006}_{+.0001}$	1.06	1.97	0.20	.31 x .28 x 1.57	M8 x .75
24 $^{+.015}_{+.002}$	27	50	5	8 x 7 x 40	M8 x 19

Conduit Box

Model	AA	AB	X	XA	XC	XJ
DFT71	1/2 NPT	5.43	5.79	4.53	2.24	0.55
	—	138	147	115	57	14
DFT80	1/2 NPT	5.43	5.79	4.53	2.24	0.55
	—	138	147	115	57	14
DFT90	1/2 NPT	6.73	5.79	4.53	2.24	1.10
	—	171	147	115	57	28

IEC Flange

FIG.	AH	AJ	AK	BB	BD	BF	GA
II	1.18	5.12	4.331 $^{+.0005}_{-.0004}$	0.14	6.30	0.35	0.39
II	30	130	110 $^{+.013}_{-.009}$	3.5	160	9	10
II	1.57	6.50	5.118 $^{+.0006}_{-.0004}$	0.14	7.87	0.43	0.47
II	40	165	130 $^{+.014}_{-.011}$	3.5	200	11	12
II	1.97	6.50	5.118 $^{+.0006}_{-.0004}$	0.14	7.87	0.43	0.47
II	50	165	130 $^{+.014}_{-.011}$	3.5	200	11	12

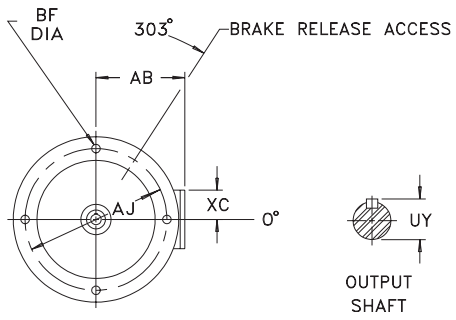
Optional Flange

Model	FIG.	AH	AJ	AK	BB	BD	BF	GA
DFT71	II	1.18	6.50	5.118 $^{+.0006}_{-.0004}$	0.14	7.87	0.43	0.47
	II	30	165	130 $^{+.014}_{-.011}$	3.5	200	11	12
DFT80	II	1.57	5.12	4.331 $^{+.0005}_{-.0004}$	0.14	6.30	0.35	0.39
	II	40	130	110 $^{+.013}_{-.009}$	3.5	160	9	10
DFT90	I	2.60	8.46	7.087 $^{+.0006}_{-.0004}$	0.16	9.84	0.55	0.59
	I	66	215	180 $^{+.014}_{-.011}$	4	250	14	15

Dimensions are $\frac{\text{inch}}{\text{mm}}$

Dimension LB is for brake option.
Dimension CB is for brake release access.
Eye bolts are removable.

FIG. I



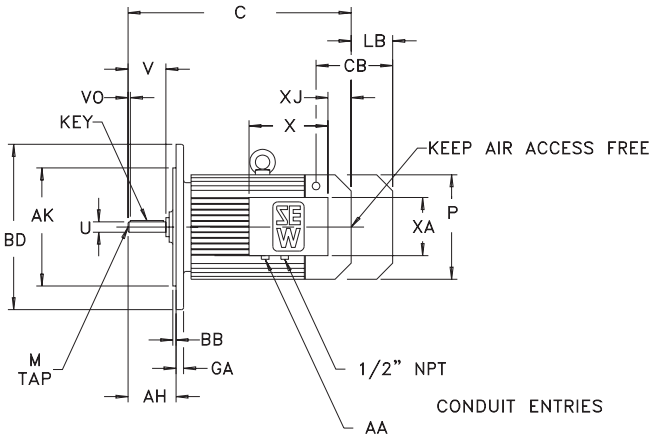
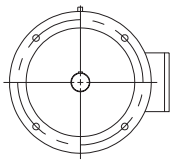
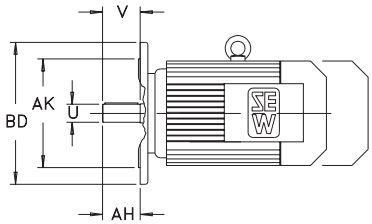


FIG. II





Motor

Model	C	CB	LB	P
DFT100	14.61	2.72	3.35	7.76
	371	69	85	197
DFV112M	16.10	3.82	3.15	8.70
	409	97	80	221
DFV132S	18.66	3.82	3.15	8.70
	474	97	80	221

Output Shaft

U	UY	V	VO	Key	M
$1.102^{+.0006}_{+.0001}$	1.22	2.36	0.20	.31 x .28 x 1.97	M10 x .87
$28^{+.015}_{+.002}$	31	60	5	8 x 7 x 50	M10 x 22
$1.102^{+.0006}_{+.0001}$	1.22	2.36	0.20	.31 x .28 x 1.97	M10 x .87
$28^{+.015}_{+.002}$	31	60	5	8 x 7 x 50	M10 x 22
$1.496^{+.0007}_{+.0001}$	1.61	3.15	0.20	.39 x .31 x 2.76	M12 x 1.10
$38^{+.018}_{+.002}$	41	80	5	10 x 8 x 70	M12 x 28

Conduit Box

Model	AA	AB	X	XA	XC	XJ
DFT100	3/4 NPT	6.89	6.57	4.84	2.40	1.22
	—	175	167	123	61	31
DFV112M	3/4 NPT	7.40	6.57	4.84	2.40	1.85
	—	188	167	123	61	47
DFV132S	3/4 NPT	7.40	6.57	4.84	2.40	1.85
	—	188	167	123	61	47

IEC Flange

FIG.	AH	AJ	AK	BB	BD	BF	GA
II	2.36	8.46	$7.087^{+.0006}_{-.0004}$	0.16	9.84	0.55	0.59
II	60	215	$180^{+.014}_{-.011}$	4	250	14	15
II	2.36	8.46	$7.087^{+.0006}_{-.0000}$	0.16	9.84	0.55	0.59
II	60	215	$180^{+.014}_{-.001}$	4	250	14	15
II	3.15	10.43	$9.055^{+.0006}_{-.0005}$	0.16	11.81	0.55	0.63
II	80	265	$230^{+.016}_{-.013}$	4	300	14	16

Optional Flanges

Model	Option A								Option B							
	FIG.	AH	AJ	AK	BB	BD	BF	GA	FIG.	AH	AJ	AK	BB	BD	BF	GA
DFT100	II	2.36	6.50	$5.118^{+.0006}_{-.0004}$	0.14	7.87	0.43	0.47	—	—	—	—	—	—	—	—
	II	60	165	$130^{+.014}_{-.011}$	3.5	200	11	12	—	—	—	—	—	—	—	—
DFV112M	I	2.36	10.43	$9.055^{+.0006}_{-.0005}$	0.16	11.81	0.55	0.63	I	2.50	6.50	$5.118^{+.0006}_{-.0004}$	0.14	7.87	0.43	0.43
	I	60	265	$230^{+.016}_{-.013}$	4	300	14	16	I	63.5	165	$130^{+.014}_{-.011}$	3.5	200	11	11
DFV132S	I	3.92	11.81	$9.843^{+0}_{-.001}$	0.20	13.78	0.71	0.71	II	3.15	8.46	$7.087^{+.0006}_{-.0004}$	0.16	9.84	0.55	0.59
	I	99.5	300	$250^{+0}_{-.029}$	5	350	18	18	II	80	215	$180^{+.014}_{-.011}$	4	250	14	15

Dimensions are $\frac{\text{inch}}{\text{mm}}$

Dimension LB is for brake option.
Dimension CB is for brake release access.
Eye bolts are removable.

Dimensions
Type DFT/DFV Motors and Brakemotors - Flange Mounted

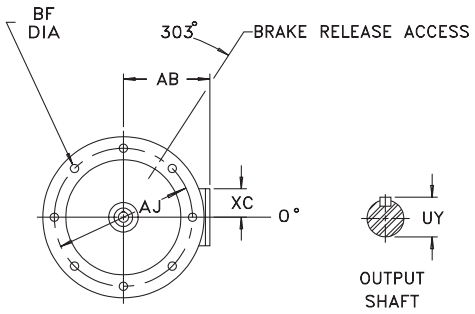


FIG. I

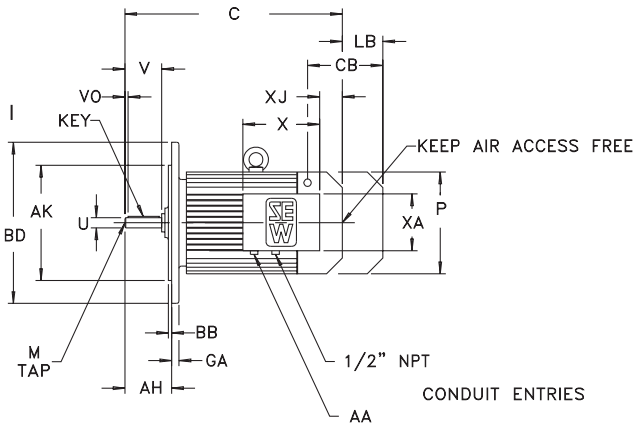


FIG. II

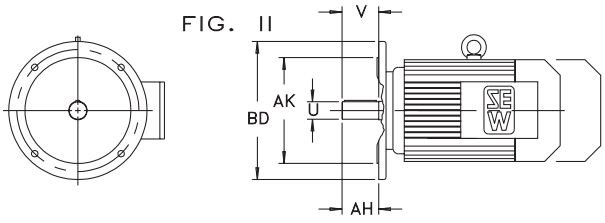
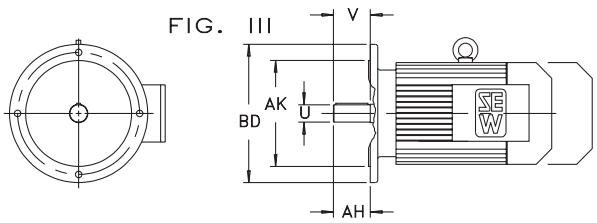


FIG. III



Motor

Model	C	CB	LB	P
DFV132M	18.98	4.41	4.41	10.83
	482	112	112	275
DFV132ML	21.34	4.41	4.41	10.83
	542	112	112	275
DFV160M	22.52	4.41	4.41	10.83
	572	112	112	275

Output Shaft

U	UY	V	VO	Key	M
$1.496\ ^{+.0007}_{+.0001}$	1.61	3.15	0.20	.39 x .31 x 2.76	M12 x 1.10
$38\ ^{+.018}_{+.002}$	41	80	5	10 x 8 x 70	M12 x 28
$1.496\ ^{+.0007}_{+.0001}$	1.61	3.15	0.20	.39 x .31 x 2.76	M12 x 1.10
$38\ ^{+.018}_{+.002}$	41	80	5	10 x 8 x 70	M12 x 28
$1.654\ ^{+.0007}_{+.0001}$	1.77	4.33	0.39	.47 x .31 x 2.76	M16 x 1.42
$42\ ^{+.018}_{+.002}$	45	110	10	12 x 8 x 70	M16 x 36

Conduit Box

Model	AA	AB	X	XA	XC	XJ
DFV132M	$1\frac{1}{4}$ *NPT*	9.13	7.52	6.34	3.15	2.17
	—	232	191	161	80	55
DFV132ML	$1\frac{1}{4}$ *NPT*	9.13	7.52	6.34	3.15	2.17
	—	232	191	161	80	55
DFV160M	$1\frac{1}{4}$ *NPT*	9.13	7.52	6.34	3.15	2.32
	—	232	191	161	80	59

IEC Flange

FIG.	AH	AJ	AK	BB	BD	BF	GA
II	3.15	10.43	$9.055\ ^{+.0006}_{-.0005}$	0.16	11.81	0.55	0.63
II	80	265	$230\ ^{+.016}_{-.013}$	4	300	14	16
II	3.15	10.43	$9.055\ ^{+.0006}_{-.0005}$	0.16	11.81	0.55	0.63
II	80	265	$230\ ^{+.016}_{-.013}$	4	300	14	16
II	4.33	11.81	$9.843\ ^{+0}_{-.001}$	0.20	13.78	0.71	0.71
II	110	300	$250\ ^{+0}_{-.029}$	5	350	18	18

Optional Flanges

Model	Option A								Option B							
	FIG.	AH	AJ	AK	BB	BD	BF	GA	FIG.	AH	AJ	AK	BB	BD	BF	GA
DFV132M	II	3.15	11.81	$9.843\ ^{+0}_{-.001}$	0.20	13.78	0.71	0.71	III	2.95	8.46	$7.087\ ^{+.0006}_{-.0004}$	0.16	9.84	0.55	0.59
	II	80	300	$250\ ^{+0}_{-.029}$	5	350	18	18	III	75	215	$180\ ^{+.014}_{-.011}$	4	250	14	15
DFV132ML	II	3.15	11.81	$9.843\ ^{+0}_{-.001}$	0.20	13.78	0.71	0.71	—	—	—	—	—	—	—	—
	II	80	300	$250\ ^{+0}_{-.029}$	5	350	18	18	—	—	—	—	—	—	—	—
DFV160M	I	5.16	15.75	$13.780\ ^{+0}_{-.001}$	0.20	17.72	0.71	0.87	II	4.33	10.43	$9.055\ ^{+.0006}_{-.0005}$	0.16	11.81	0.55	0.63
	I	131	400	$350\ ^{+0}_{-.036}$	5	450	18	22	II	110	265	$230\ ^{+.016}_{-.013}$	4	300	14	16

Dimensions are $\frac{\text{inch}}{\text{mm}}$

Dimension LB is for brake option.
Dimension CB is for brake release access.
Eye bolts are removable.

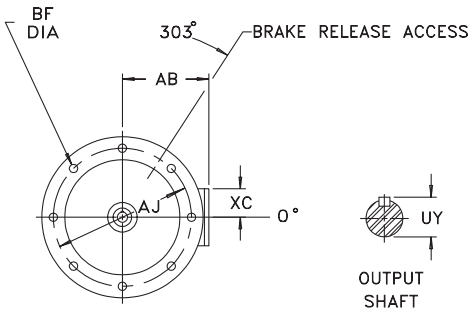


FIG. I

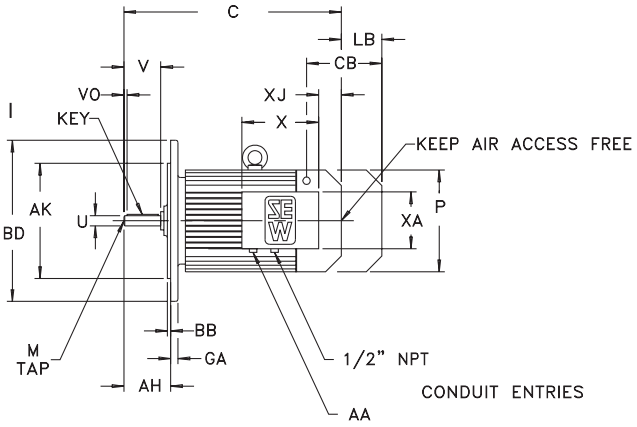


FIG. II

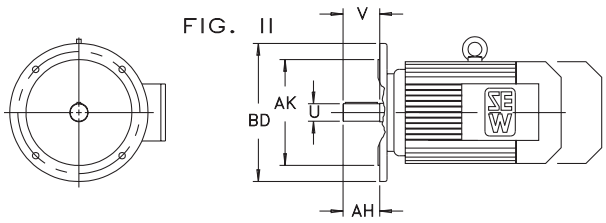
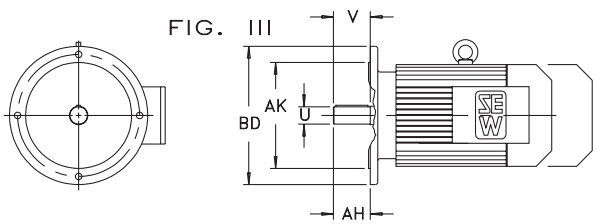


FIG. III



Motor

Model	C	CB	LB	P
DFV160L	24.13	6.30	6.14	13.03
	613	160	156	331
DFV180	26.97	6.30[1)]	6.14	13.03
	685	160[1)]	156	331
DFV200	28.58	6.77[1)]	6.14	15.51
	726	172[1)]	156	394

Output Shaft

U	UY	V	VO	Key	M
$1.654^{+.0007}_{+.0001}$	1.77	4.33	0.39	.47 x .31 x 2.76	M16 x 1.42
$42^{+.018}_{+.002}$	45	110	10	12 x 8 x 70	M16 x 36
$1.890^{+.0007}_{+.0001}$	2.03	4.33	0.39	.55 x .35 x 3.15	M20 x 1.65
$48^{+.018}_{+.002}$	51.5	110	10	14 x 9 x 80	M20 x 42
$2.165^{+.001}_{+.0004}$	2.32	4.33	0.39	.63 x .39 x 3.54	M20 x 1.65
$55^{+.030}_{+.011}$	59	110	10	16 x 10 x 90	M20 x 42

Conduit Box

Model	AA	AB	X	XA	XC	XJ
DFV160L	2 × 1 1/2 *NPT*	10.04	8.86	9.06	3.66	5.98
	—	255	225	230	93	152
DFV180	2 × 1 1/2 *NPT*	10.55	8.86	9.06	3.66	7.40
	—	268	225	230	93	188
DFV200	2 × 1 1/2 *NPT*	11.81	8.86	9.06	3.66	9.29
	—	300	225	230	93	236

IEC Flange

FIG.	AH	AJ	AK	BB	BD	BF	GA
II	4.33	11.81	$9.843^{+0}_{-.001}$	0.20	13.78	0.71	0.71
II	110	300	$250^{+0}_{-.029}$	5	350	18	18
II	4.33	11.81	$9.843^{+0}_{-.001}$	0.20	13.78	0.71	0.71
II	110	300	$250^{+0}_{-.029}$	5	350	18	18
II	4.33	13.78	$11.811^{+0}_{-.001}$	0.20	15.75	0.71	0.79
II	110	350	$300^{+0}_{-.032}$	5	400	18	20

Optional Flanges

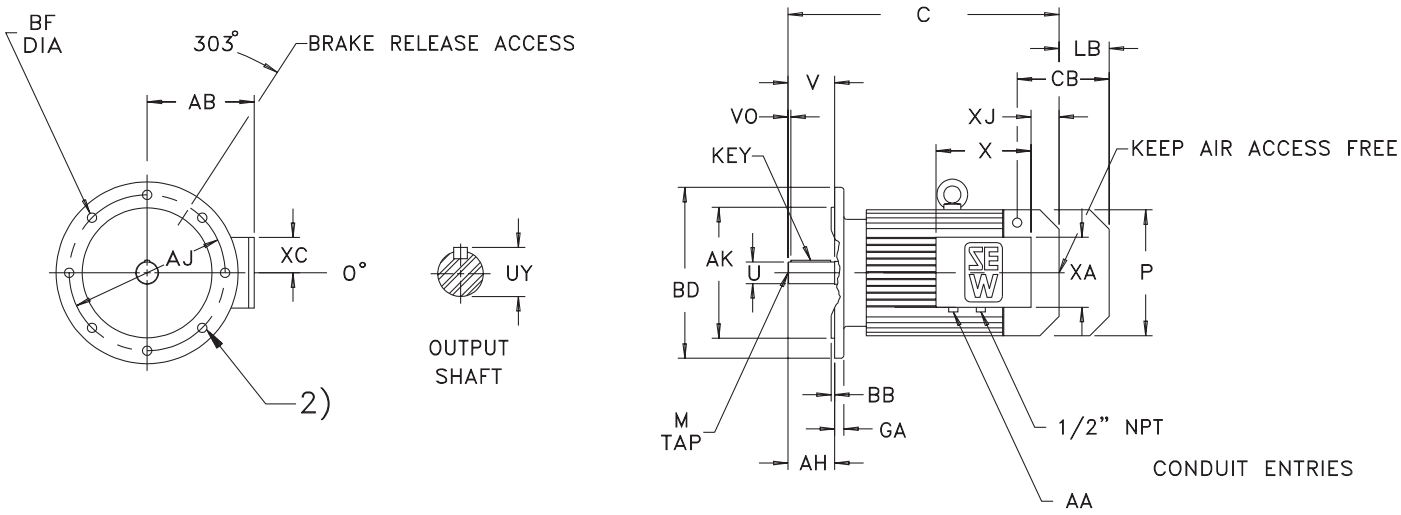
Model	Option A								Option B							
	FIG.	AH	AJ	AK	BB	BD	BF	GA	FIG.	AH	AJ	AK	BB	BD	BF	GA
DFV160L	I	4.92	15.75	$13.780^{+0}_{-.001}$	0.20	17.72	0.71	0.87	III	4.09	10.43	$9.055^{+.0006}_{-.0005}$	0.16	11.81	0.55	0.63
	I	125	400	$350^{+0}_{-.036}$	5	450	18	22	III	104	265	$230^{+.016}_{-.013}$	4	300	14	16
DFV180	I	4.92	15.75	$13.780^{+0}_{-.001}$	0.20	17.72	0.71	0.87	III	4.09	10.43	$9.055^{+.0006}_{-.0005}$	0.16	11.81	0.55	0.63
	I	125	400	$350^{+0}_{-.036}$	5	450	18	22	III	104	265	$230^{+.016}_{-.013}$	4	300	14	16
DFV200	I	4.65	15.75	$13.780^{+0}_{-.001}$	0.20	17.72	0.71	0.87	—	—	—	—	—	—	—	—
	I	118	400	$350^{+0}_{-.036}$	5	450	18	22	—	—	—	—	—	—	—	—

[1)] CB = $\frac{5.24}{133}$ for double disc brake.

Dimensions are $\frac{\text{inch}}{\text{mm}}$

Dimension LB is for brake option.
Dimension CB is for brake release access.
Eye bolts are removable.

Dimensions
Type DFT/DFV Motors and Brakemotors - Flange Mounted



Motor

Model	C	CB	LB	P
DFV225	32.68	6.77[1)]	6.14	15.51
	830	172[1)]	156	394

Output Shaft

U	UY	V	VO	Key	M
$2.362\ ^{+.001}_{+.0004}$	2.52	5.51	0.59	.71 x .43 x 3.94	M20 x 1.65
$60\ ^{+.030}_{+.011}$	64	140	15	18 x 11 x 100	M20 x 42

Conduit Box

Model	AA	AB	X	XA	XC	XJ
DFV225	$2 \times 1^{1}/_{2}$ NPT	11.97	8.86	9.06	3.66	10.94
	—	304	225	230	93	278

IEC Flange [2)]

Model	AH	AJ	AK	BB	BD	BF	GA
DFV225	5.51	15.75	$13.780\ ^{+0}_{-.001}$	0.20	17.72	0.71	0.87
	140	400	$350\ ^{+0}_{-.036}$	5	450	18	22

[1)] CB = $\frac{5.63}{143}$ for double disc brake.

[2)] Bolt pattern orientation deviates from IEC

Dimensions are $\frac{\text{inch}}{\text{mm}}$

Dimension LB is for brake option.
Dimension CB is for brake release access.
Eye bolts are removable.

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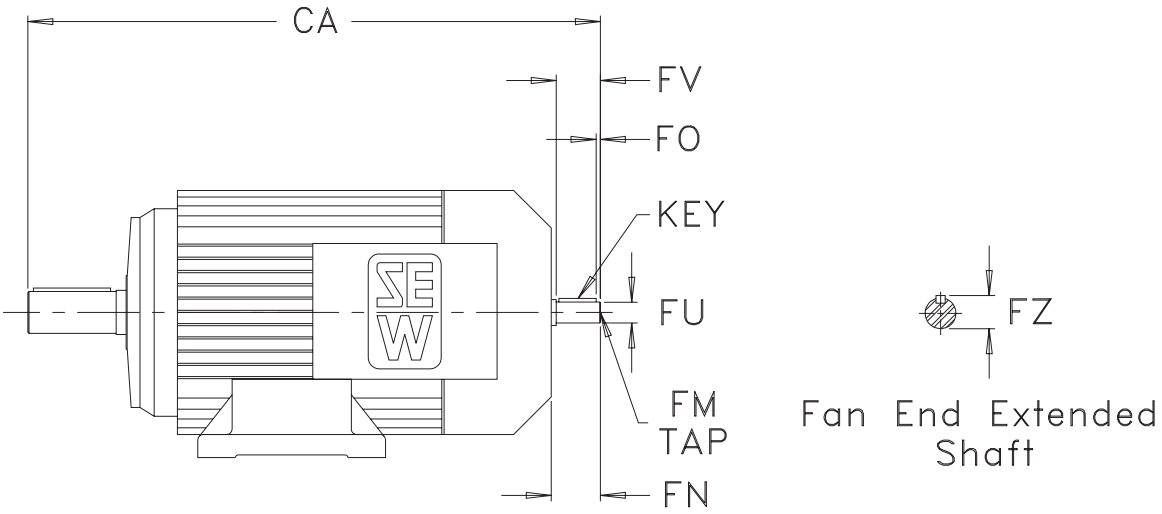
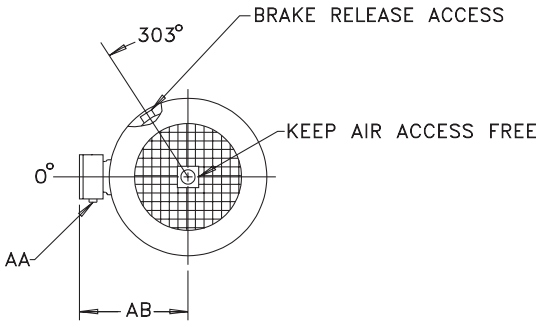


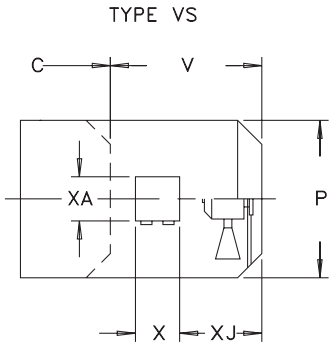
Fan End Extended Shaft

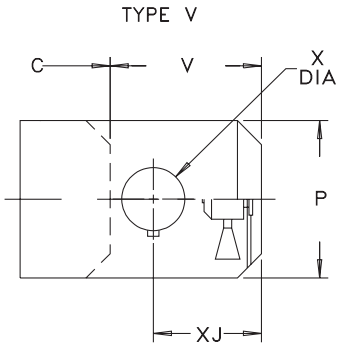
Dimensions are $\frac{\text{inch}}{\text{mm}}$

Model	CA	FN	FO	FU	FV	FZ	Key	FM
DT/DFT71	10.08	0.94	0.04	$0.433^{+.0005}_{-0}$	0.91	0.49	.16 x .16 x .79	M4 x .39
	256	24	1	$11^{+.012}_{+.001}$	23	12.5	4 x 4 x 20	M4 x 10
DT/DFT80	12.72	1.22	0.16	$0.551^{+.0005}_{-0}$	1.18	0.63	.20 x .20 x .87	M5 x .49
	323	31	4	$14^{+.012}_{+.001}$	30	16	5 x 5 x 22	M5 x 12.5
DT/DFT90	14.37	1.65	0.16	$0.748^{+.0006}_{+.0001}$	1.57	0.85	.24 x .24 x 1.26	M6 x .63
	365	42	4	$19^{+.015}_{+.002}$	40	21.5	6 x 6 x 32	M6 x 16
DT/DFT100	16.26	1.65	0.20	$0.748^{+.0006}_{+.0001}$	1.57	0.85	.24 x .24 x 1.26	M6 x .63
	413	42	5	$19^{+.015}_{+.002}$	40	21.5	6 x 6 x 32	M6 x 16
DV/DFV112M	18.27	2.17	0.20	$0.945^{+.0006}_{+.0001}$	1.97	1.06	.31 x .28 x 1.57	M8 x .75
	464	55	5	$24^{+.015}_{+.002}$	50	27	8 x 7 x 40	M8 x 19
DV/DFV132S	21.22	2.56	0.20	$1.102^{+.0006}_{+.0001}$	2.36	1.22	.31 x .28 x 1.97	M10 x .87
	539	65	5	$28^{+.015}_{+.002}$	60	31	8 x 7 x 50	M10 x 22
DV/DFV132M	22.32	3.35	0.20	$1.496^{+.0007}_{+.0001}$	3.15	1.61	.39 x .31 x 2.76	M12 x 1.10
	567	85	5	$38^{+.018}_{+.002}$	80	41	10 x 8 x 70	M12 x 28
DV/DFV132ML	24.69	3.35	0.20	$1.496^{+.0007}_{+.0001}$	3.15	1.61	.39 x .31 x 2.76	M12 x 1.10
	627	85	5	$38^{+.018}_{+.002}$	80	41	10 x 8 x 70	M12 x 28
DV/DFV160M	25.87	3.35	0.20	$1.496^{+.0007}_{+.0001}$	3.15	1.61	.39 x .31 x 2.76	M12 x 1.10
	657	85	5	$38^{+.018}_{+.002}$	80	41	10 x 8 x 70	M12 x 28
DV/DFV160L	28.66	4.53	0.39	$1.654^{+.0007}_{+.0001}$	4.33	1.77	.47 x .31 x 2.76	M16 x 1.42
	728	115	10	$42^{+.018}_{+.002}$	110	45	12 x 8 x 70	M16 x 36
DV/DFV180	31.50	4.53	0.39	$1.890^{+.0007}_{+.0001}$	4.33	2.03	.55 x .35 x 3.15	M16 x 1.42
	800	115	10	$48^{+.018}_{+.002}$	110	51.5	14 x 9 x 80	M16 x 36
DV/DFV200	33.11	4.53	0.39	$2.165^{+.001}_{+.0004}$	4.33	2.32	.63 x .39 x 3.54	M20 x 1.65
	841	115	10	$55^{+.030}_{+.011}$	110	59	16 x 10 x 90	M20 x 42
DV/DFV225	37.20	4.53	0.39	$2.165^{+.001}_{+.0004}$	4.33	2.32	.63 x .39 x 3.54	M20 x 1.65
	945	115	10	$55^{+.030}_{+.011}$	110	59	16 x 10 x 90	M20 x 42

Continuous Running Cooling Fan — VS, V





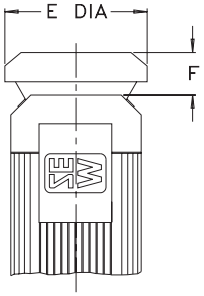


Dimensions are inch / mm

Motor Frame Size	Type	AA	AB	P[1]	V[2]	X	XA	XJ	Amps @ 115V - 1Ph 230V - 1Ph	Amps @ 230V - 3Ph 460V - 3Ph
DT[1]/DFT71.., DT/DFT80..	VS	2 × 1/2″ NPT	6.26 159	5.71 145	6.10 155	5.47 139	4.29 109	.55 14	.63 .27	—
DT[1]/DFT90.., DT/DFT100..	VS	2 × 1/2″ NPT	7.28 185	7.76 197	6.93 176	5.47 139	4.29 109	.75 19	.75 .35	—
DV/DFV112M, DV/DFV132S	VS	2 × 1/2″ NPT	7.76 197	8.70 221	6.69 170	5.47 139	4.29 109	.75 19	.69 .36	—
DV[1]/DFV132M DV/DFV132ML, DV/DFV160M	V	3/8″[3]	6.97 177	10.83 275	9.25 235	2.91 74	—	3.23 82	—	.45 .30
DV[1]/DFV160L, DV/DFV180..	V	3/8″[3]	8.07 205	13.03 331	12.05 306	2.91 74	—	4.41 112	—	.49 .33
DV/DFV200.., DV/DFV225..	V	3/8″[3]	9.29 236	15.51 394	12.72 323	2.91 74	—	4.69 119	—	.87 .56

[1] P/2 is greater than motor shaft height, D, for the footed motors indicated.
[2] Extension beyond standard motor fanguard. The ventilator will accommodate brakes.
[3] Flexible metal conduit connector.

Protective Canopy — C



Dimensions are inch / mm

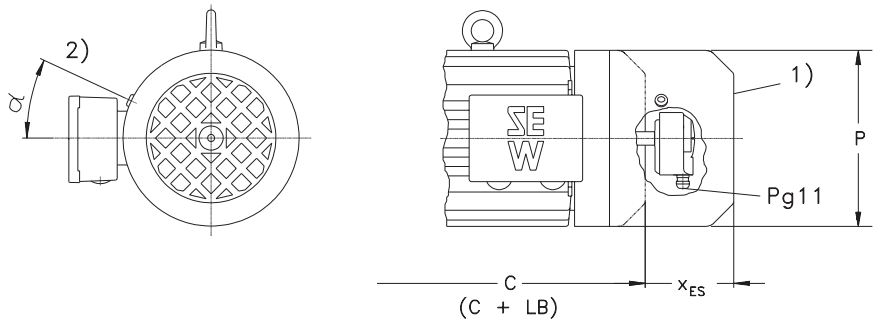
Motor Frame Size	E	F
DT[1)]/DFT71.., DT/DFT80..	5.71 145	1.42 36
DT[1)]/DFT90.., DT/DFT100..	7.56 192	1.34 34
DV/DFV112M, DV/DFV132S	8.78 223	1.42 36
DV[1)]/DFV132M DV/DFV132ML, DV/DFV160M	12.24 311	1.46 37
DV[1)]/DFV160L, DV/DFV180..	12.24 311	1.57 40
DV/DFV200.., DV/DFV225..	16.33 415	1.85 47

[1)] E/2 is greater than the motor shaft height, D, for the footed motors indicated.

Encoder with Spread Shaft - ES1../ES2..

Encoder type for DT71.. - DT100.. Part Number		ES1T[A] 1852485	ES1R 1860607	ES1S[B] 1860496	ES1C 1858661
Encoder type for DV112.. - DV132S.. Part Number		ES2T[A] 1854607	ES2R 1860615	ES2S[B] 186050X	ES2C 185867X
Supply Voltage	V_B	5 V_{DC} ± 5%	+9V_{DC} →+26V_{DC}		
Maximum current consumption	I_{in}	180 mA_{RMS}	180 mA_{RMS}	160 mARMS	340 mA_{RMS}
Maximum impulse frequency	f_{max}	120 kHz			
Pulses (sinus periods) per revolution	A, B C	1024 1			
Output Amplitude per channel	V_{high}	≥ 2.5 V_{DC}	≥ 2.5 V_{DC}	1V_{SS}	≥ V_B minus 3.5V_{DC}
	V_{low}	≤0.5V_{DC}	≤0.5V_{DC}	1V_{SS}	≤1.5V_{DC}
Signal output		5 V TTL	5 V TTL	sin/cos	HTL
Output current per channel	I_{out}	20 mA_{RMS}	20 mA_{RMS}	40 mA_{RMS}	60 mA_{RMS}
Mark-space ratio		1:1 ± 20%			
Phase relationship A : B		90° ± 20%			
Ambient temperature		-25° C → 60°C			
Enclosure		IP56			
Connection		Terminal box on encoder			

[A] Recommended encoder for operation with MOVITRAC® 31C
[B] Recommended encoder for operation with MOVIDRIVE®



Dimensions are inch / mm

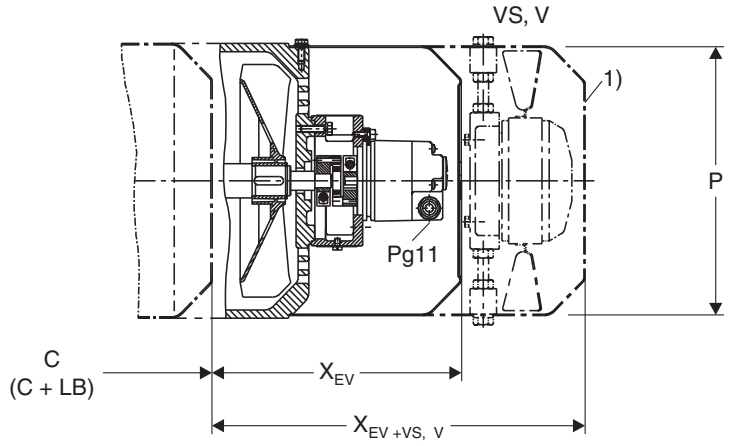
Size	with/without brake	Cable outlet	
	x_{ES}	α	P
DT71..[3]/DT80..ES1..	3.27 83	11°	5.71 145
DT90..[3]/DT100..ES1..	3.03 77		7.76 197
DV112M../DV132S..ES2..	2.99 76		8.70 221

[1] Keep air access free
[2] Cable outlet can be positioned at 90° intervals
[3] Foot mounted motors must be supported from below with a spacer

Encoder with Solid Shaft - EV1..

Encoder type for DT71.. - DV225.. Part Number		EV1T[A)] 1857088	EV1R 1857118	EV1S[B)] 185707X	EV1C 1855999
Supply Voltage	V_B	5 V_{DC} ± 5%	24 V_{DC} ± 20%		
Maximum current consumption	I_{in}	180 mA_{RMS}	180 mA_{RMS}	160 mARMS	340 mA_{RMS}
Maximum impulse frequency	f_{max}	120 kHz			
Pulses (sinus periods) per revolution	A, B C	1024 1			
Output Amplitude per channel	V_{high}	≥ 2.5 V_{DC}	≥ 2.5 V_{DC}	$1V_{SS}$	≥ V_B minus 3.5V_{DC}
	V_{low}	≤0.5V_{DC}	≤0.5V_{DC}	$1V_{SS}$	≤1.5V_{DC}
Signal output		5 V TTL	5 V TTL	sin/cos	HTL
Output current per channel	I_{out}	20 mA_{RMS}	20 mA_{RMS}	40 mA_{RMS}	60 mA_{RMS}
Mark-space ratio		1:1 ± 20%			
Phase relationship A : B		90° ± 20%			
Ambient temperature		-25° C → 60°C			
Enclosure		IP56			
Connection		Terminal box on encoder			

A) Recommended encoder for operation with MOVITRAC® 31C
B) Recommended encoder for operation with MOVIDRIVE®



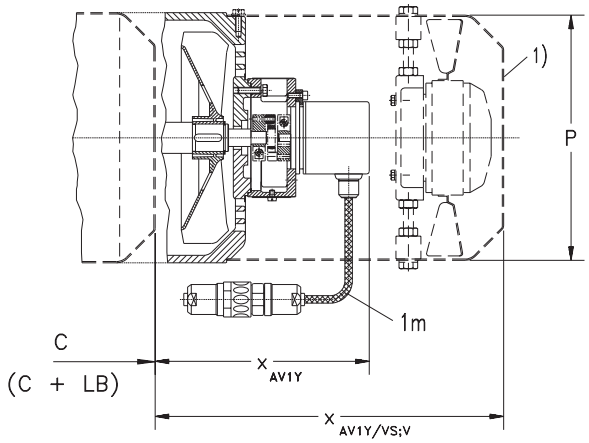
Dimensions are —

Size	with/without brake	with forced cooling without/with brake		
	x_{EV}	$x_{EV/VS}$	$x_{EV/V}$	P
DT71..[2)]/DT80..EV1../VS	7.95 202	11.54 293	—	5.71 145
DT90..[2)]/DT100..EV1../VS	8.07 205	13.07 332	—	7.76 197
DV112M../DV132S..EV1../VS	8.03 204	13.27 337	—	8.70 221
DV132M..[2)]/DV160M..EV1../V	9.41 239	—	13.35 339	10.83 275
DV160L..[2)]/DV180..EV1../V	11.02 280	—	15.94 405	13.03 331
DV200../DV225..EV1../V	11.46 291	—	16.34 415	15.51 394

1) Keep air access free
2) Foot mounted motors must be supported from below with a spacer

Absolute Encoder - AV1Y

Encoder type		AV1Y
Supply voltage		10..**24**..30 V_{DC} polarity reversal protected
Current consumption		≤250 mA
Signal type		incremental + absolute
Incremental signal		1 V_{SS}, sin/cos
Resolution	incr.	512/track
Maximum operating frequency	incr.	100 kHz
Absolute signal		synchronous serial SSI
Sampling code	abs.	Code Gray, 24 bits
Resolution	abs.	4096 impulses x 4096 revolutions
Data input/output	abs.	according to EIA RS 485
Pulse input		according to EIA RS 485
Pulse frequency	abs.	90..**300**..1100 kHz (max. 100m cable length with 300 kHz)
Pulse pause time	abs.	12...35 µs
Vibration (55...2000 Hz)		≤100 m/s^2 (9.2 G's)
Maximum encoder speed		6000 rpm (1 LSB for precision)
Operating temperature		-15° C →+60° C
Weight		0.66 lb
Enclosure		IP65 (when mounted)
Connection		1m (3.3 ft.) cable with coupling, 17-pin, pins



Dimensions are inch / mm

Size	with/without brake	with forced cooling with/without brake		
	x_{AV1Y}	$x_{AV1Y/VS}$	$x_{AV1YV/V}$	P
DT71..[2]/DT80..AV1Y/VS	7.36 187	11.54 293	—	5.71 145
DT90..[2]/DT100..AV1Y/VS	7.52 191	13.07 332	—	7.76 197
DV112M../DV132S..AV1Y/VS	7.28 185	13.27 337	—	8.70 221
DV132M..[2]/DV160M..AV1Y/V	8.58 218	—	13.35 339	10.83 275
DV160L..[2]/DV180..AV1Y/V	10.20 259	—	15.94 405	13.03 331
DV200../DV225..AV1Y/V	10.20 259	—	16.34 415	15.51 394

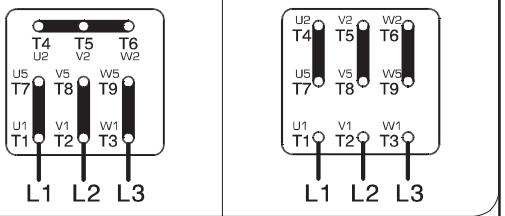
[1] Keep air access free
[2] Foot mounted motors must be supported from below with a spacer

Dual-Voltage Motors
(single-speed)

Frame Size	Low Voltage	High Voltage
DT71 thru DV180	230V - 60Hz	460V - 60Hz
	200V - 50Hz	400V - 50Hz

SEW-Eurodrive, Inc. USA — 1093/9P000004

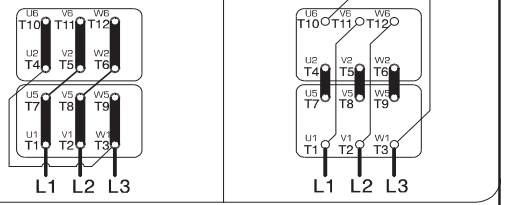
Single-Speed / Dual-Voltage — Connection Diagram DT79



Frame Size	Low Voltage	High Voltage
DV200 thru DV225	230V - 60Hz	460V - 60Hz

SEW-Eurodrive, Inc. USA — 1093/9P000007

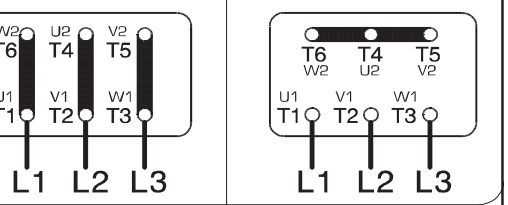
Single-Speed / Dual-Voltage — Connection Diagram DT72



Frame Size	Low Voltage	High Voltage
DT71 thru DV225	200V - 50Hz	346V - 50Hz
	208V - 60Hz	360V - 60Hz
	220V - 50Hz	380V - 50Hz
	230V - 50Hz	400V - 50Hz
	240V - 50Hz	415V - 50Hz
	330V - 60Hz	575V - 60Hz

SEW-Eurodrive, Inc. USA — 1093/9P000001

Single-Speed / Dual-Voltage — Connection Diagram DT13

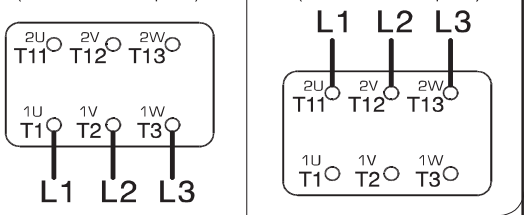


Single-Voltage Motors
(two-speed)

Frame Size: DT71 thru DV225

SEW-Eurodrive, Inc. USA — 1093/9P000011

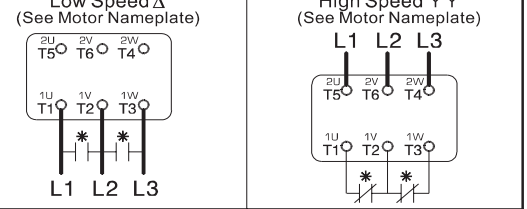
Two-Speed / Two-Winding — Connection Diagram DT43



Frame Size: DT71 thru DV132S

SEW-Eurodrive, Inc. USA — 1093/9P000009

Two-Speed / Single-Winding — Connection Diagram DT33

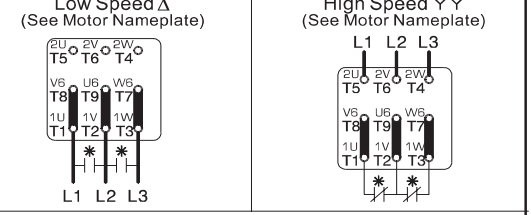


* Customer Supplied Motor Starter Contacts

Frame Size: DV132M thru DV225

SEW-Eurodrive, Inc. USA — 1093/9P000010

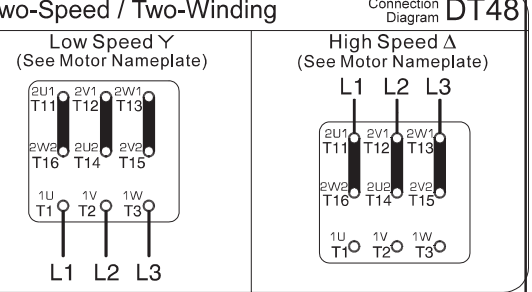
Two-Speed / Single-Winding — Connection Diagram DT53



* Customer Supplied Motor Starter Contacts

SEW-Eurodrive, Inc. USA — 0997/9P000022

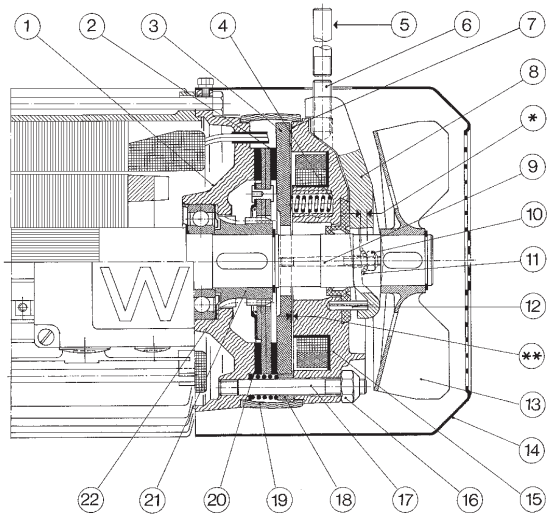
Two-Speed / Two-Winding — Connection Diagram DT48



AC Squirrel-Cage Brakemotors

SEW-Eurodrive brakemotors are designed for continuous duty under difficult conditions when the requirement is to stop a driven machine fast and reliably. All SEW-Eurodrive AC squirrel-cage brakemotors incorporate a disc brake that operates on the "fail-safe" principle, i.e., when the electrical supply is interrupted for any reason, the brake is applied automatically. It operates on DC current supplied by a half-wave rectifier mounted in the motor terminal box.

The drawing below shows both the brake operating principles and it's component cross section. The brake is released as a result of DC current excitation of the brake coil (15). The stationary disc (3) is pulled towards the brake coil body. The brake disc (2) connected to the motor shaft by a splined carrier (21) is released. When the brake coil is de-energized, the brake springs (4) determine the brake torque. Braking torque is produced when the brake springs press against the stationary disc, thereby clamping the brake discs between the stationary disc and the motor end shield (1).



1. Brake end shield
2. Brake disc complete
3. Stationary disc
4. Brake spring
5. Hand lever for manually disengaging the brake; will re-engage itself when released (BM(G)HR - Standard).
6. Manual brake release screw for fixing brake in the disengaged position (BM(G)HF - Optional).
7. Damping plate with nobs (only with BMG brake)
8. Release arm
9. Stud
10. Setting nut
11. Conical spring
12. Dowel pin
13. Fan
14. Fan guard
15. Brake coil body
16. Brake adjustment nut
17. Retaining screw
18. Pressure ring
19. Rubber sealing band
20. Counter spring
21. Carrier
22. Spring washer

* Floating clearance 0.060″ -0.080″

** Working air gap

Important Note:

The BMG type brake, which is replacing the BM style on some motor frame sizes, uses a brake coil which is internally different than the BM brake coil. It also incorporates a dampening liner to work in cooperation with the new coil to achieve the braking action.
While both types of parts appear identical, they must not be interchanged under any circumstances.

Braking from the two pole speed (i.e. 3600rpm)

For the brakes on motor frame sizes 160L to 225, continually braking from the two pole speed is not permissible. Emergency braking is conditionally possible. However, please refer to our engineering department in all such applications.

Brake Control Systems

Depending on the requirements and duty conditions, various brake control systems are available for the DC operated SEW disc brake. All systems are provided with varistor overvoltage protection as a standard feature. If no SEW brake control system is used, a customer provided overvoltage protection must be provided.

For 230/460V motors the standard brake coil voltage is 230V. By connecting the brake rectifier terminals 2 and 3 to the terminals T7 and T8 of the motor 9-terminal block the brake will operate for either a 230V or 460V motor connection.

A 460V brake coil can only be used with a 460V motor connection and the Brake Rectifier terminals 2 and 3 will be connected to terminals T1 and T2 of the motor 9-terminal block. For 575V motors the standard brake coil voltage is 346V. The brake rectifier terminals 2 and 3 will be connected to terminals T3 and T5 of the motor 6-terminal block.

The motor nameplate will show the appropriate brake voltage V_B to be applied to the rectifier.

If a VFD or soft start control is used for motor control then the brake cannot be powered from the motor terminal block, it must receive separate supply power.

Standard Brake Rectifier Wiring Arrangements

Brake rectifiers BG, BGE, BMS, BME, BMH, BMP

For normal brake reaction times (t_{2I}), where the braking time does not have to meet any special requirements, the simplest circuit recommended is with the switch contact on the AC circuit. For rapid brake reaction times (t_{2II}), very short braking times are achieved with simultaneous switch off in the AC and DC circuits.

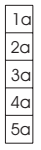
As shown in the circuit diagrams, with simultaneous switch off in the AC and DC circuits additional leads are required between the brake rectifier and the switch. For applications, where this is not desirable, the brake control system BSR is recommended. It is mounted in the terminal box and carries out the switch off function in the DC circuit the instant the current in the motor ceases to flow.

Key to brake rectifier wiring diagrams

Switching AC Power to Brake
(normal reaction time)

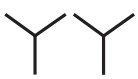
Switching AC Power and DC Circuit to Brake
(rapid reaction time)

Brake
BS = Accelerator coil
TS = Partial coil



Auxiliary terminal strip in the terminal box

Motor with star connection



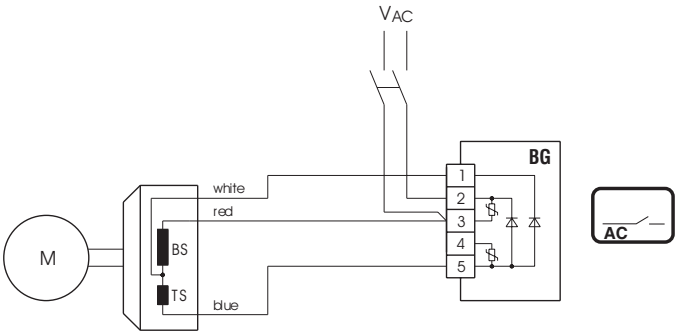
Motor with star-star connection

The BG Brake Rectifier - Standard for frame sizes up to 100, not available on frame sizes above 100

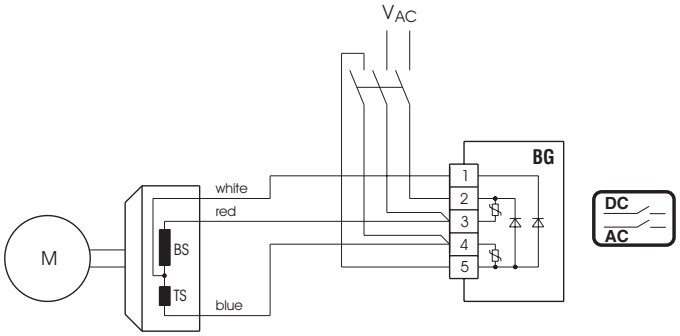
The brake rectifier BG is a half-wave rectifier with overvoltage protection.

This rectifier is used on small motors if no special requirements are needed with respect to the release reaction times of the brake. It cannot be used at elevated ambient temperatures or with unfavorable cooling conditions for the brake.

BG Normal Reaction Time



BG Rapid Reaction Time



The BGE Brake Rectifier - Standard for motor frame sizes 112M and larger, optional on frame sizes 71 to 100

The BGE brake rectifier is a half-wave rectifier with over-voltage protection elements and electronic control for reducing the brake release reaction times.

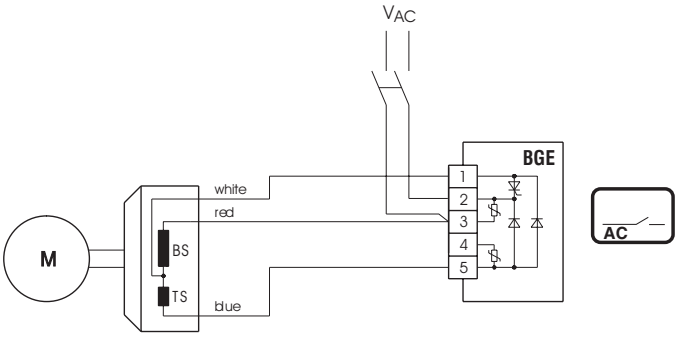
The brake operation is improved by the BGE rectifier in that it releases the brake initially by super-magnetization and then holds the stationary disc securely with reduced magnetization. Due to the exceedingly reduced brake release reaction time t_1 the brake is released before the motor can build up torque and begin to rotate. Minimum wear with maximum service life and excellent switching ability are the outstanding features of the brake system.

In the continuous released state the current losses are reduced to the necessary minimum so the thermal loading of the brake is very low.

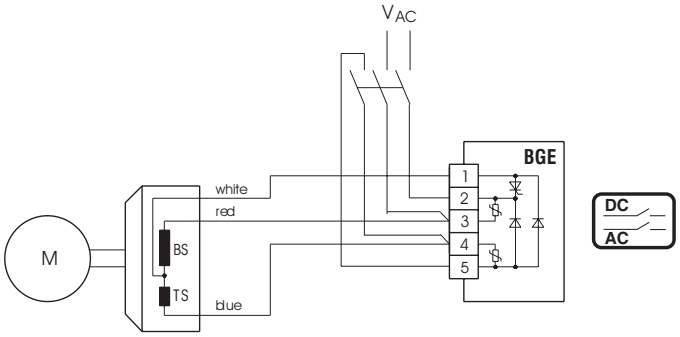
The use of the BGE Brake Rectifier is recommended if:

- Short brake release reaction times are required.
- High starting frequencies are encountered.
- High ambient temperature is present or the brake is required to be in the continuous released state while the motor is at rest or operating at low speeds.

BGE Normal Reaction Time



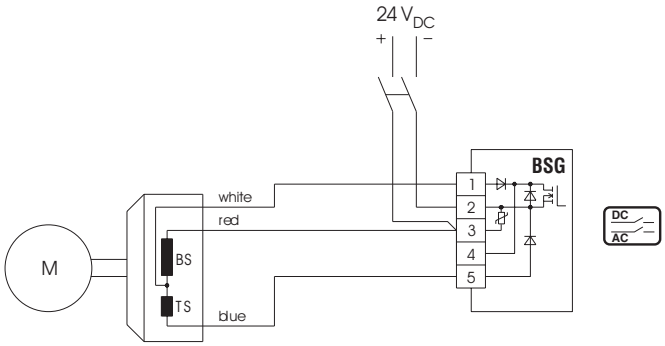
BGE Rapid Reaction Time



The BSG Brake Control Unit - Standard for motor frame sizes 112M and larger, optional on frame sizes 71 to 100

For 24VDC power supply to the brake the control unit BSG is available. With this control unit the same brake release reaction times as with the brake rectifier BGE are attained. If no BSG brake control system is installed a customer provided overvoltage protection must be provided.

BSG Rapid Reaction Time

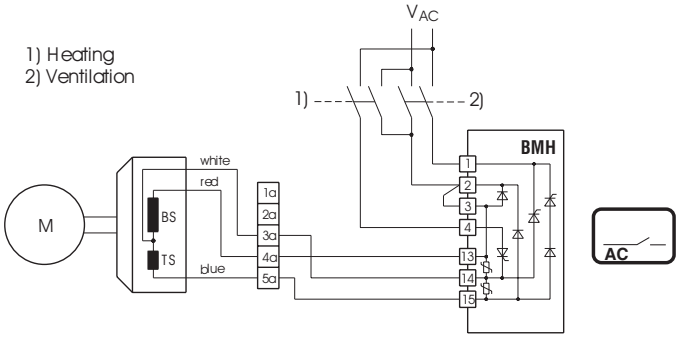


The BMH Brake Rectifier - Optional for frame sizes 71 to 225

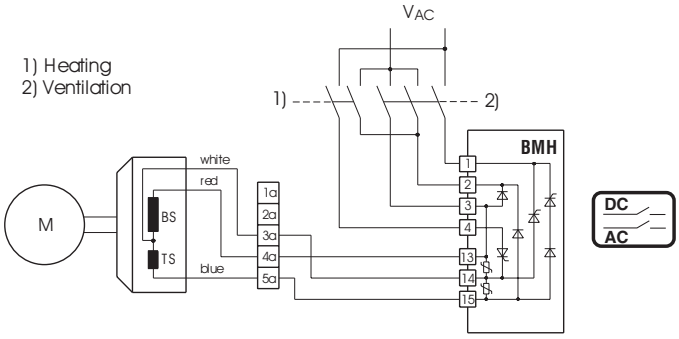
For low ambient temperatures the BMH Brake Rectifier with a heating current is available for heating the brake while the motor is at rest. Electric heating is always recommended where moisture condensation followed by frost may occur or where wet corrosive atmosphere with long periods of rest are to be expected. The BMH unit has the same electronic circuitry as the BGE and thus provides the same short reaction times for the BM(G) brake.

The BMH is designed as a module in a DIN rail housing with plug-in connections for control cabinet installation.

BMH Normal Reaction Time



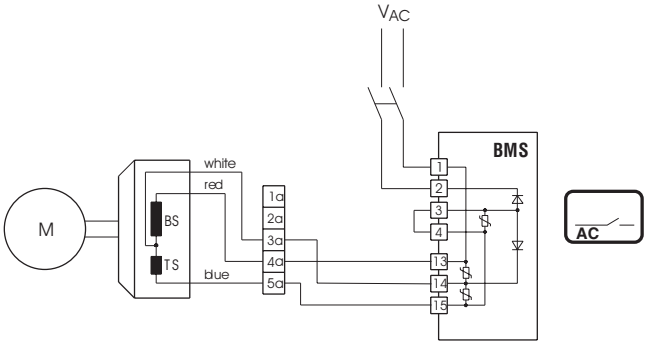
BMH Rapid Reaction Time



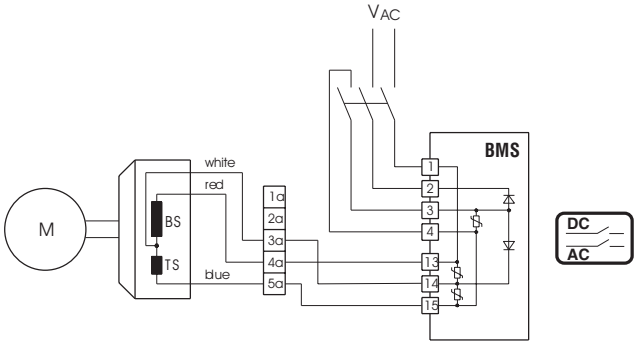
The BMS Brake Rectifier - Optional for frame sizes up to 100, not available on frame sizes above 100

The brake rectifier BMS is a half-wave rectifier with protective elements against overvoltage. It functions like the rectifier type BG, however, it is designed to be mounted in a control panel on DIN rail and not in the motors conduit box. The BMS can be wired to operate for normal or rapid brake reaction times. The BMS rectifier is primarily used when the ambient conditions of the motor preclude the use of the BG rectifier mounted in the motors terminal box.

BMS Normal Reaction Time



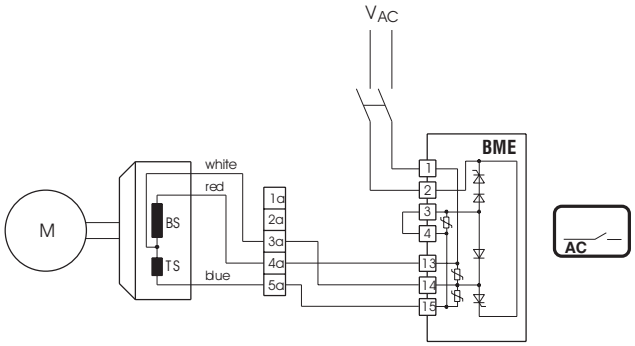
BMS Rapid Reaction Time



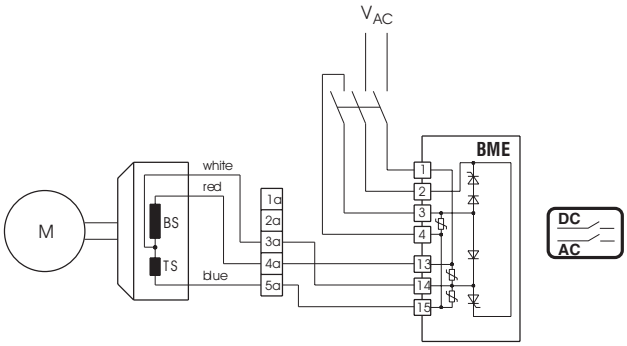
The BME Brake Rectifier - Optional for frame sizes 71 to 225

The BME brake rectifier is a half-wave rectifier with overvoltage protection elements and electronic control for reducing the brake release reaction times. It functions like the rectifier type BGE, however, it is designed to be mounted in a control panel on DIN rail and not in the motors conduit box. The BME has the same high performance functions as the BGE for rapid brake release, which allow the motor brake system to cycle at a very high rate. The BME can we wired to operate for normal or rapid brake reaction times. The BME is primarily used when the ambient conditions of the motor preclude the use of the BGE rectifier mounted in the motors terminal box.

BME Normal Reaction Time



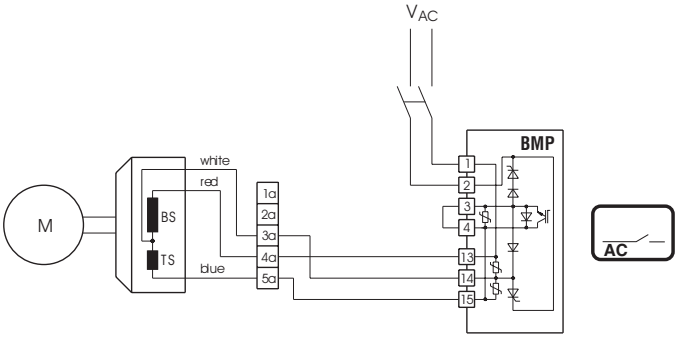
BME Rapid Reaction Time



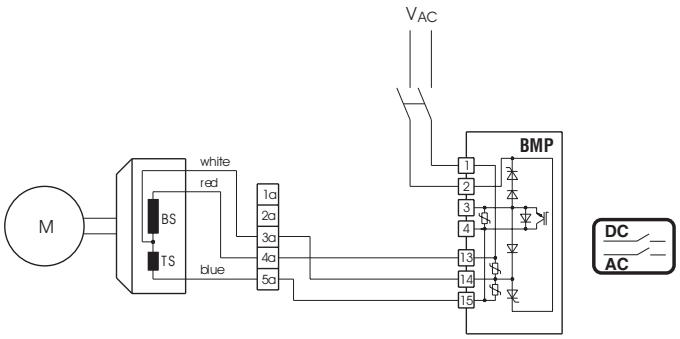
The BMP Brake Control System - Optional for frame sizes 71 to 225

The BMP control system is a BME brake rectifier with an integrated voltage relay. The BMP minimizes response and reaction times and reduces cabling between the switch cabinet and the brake motor. It functions like the rectifier type BGE and the voltage relay UR combined into one device. It is designed to be mounted in a control panel on DIN rail and not in the motors conduit box. The BMP has the same high performance functions as the BGE for fast rake release, which allow the motor brake system to cycle at a very high rate. The BMP rectifier will automatically provide the fast brake reaction function of the UR relay without the requirement of external wiring.

BMP Normal Reaction Time



BMP Rapid Reaction Time



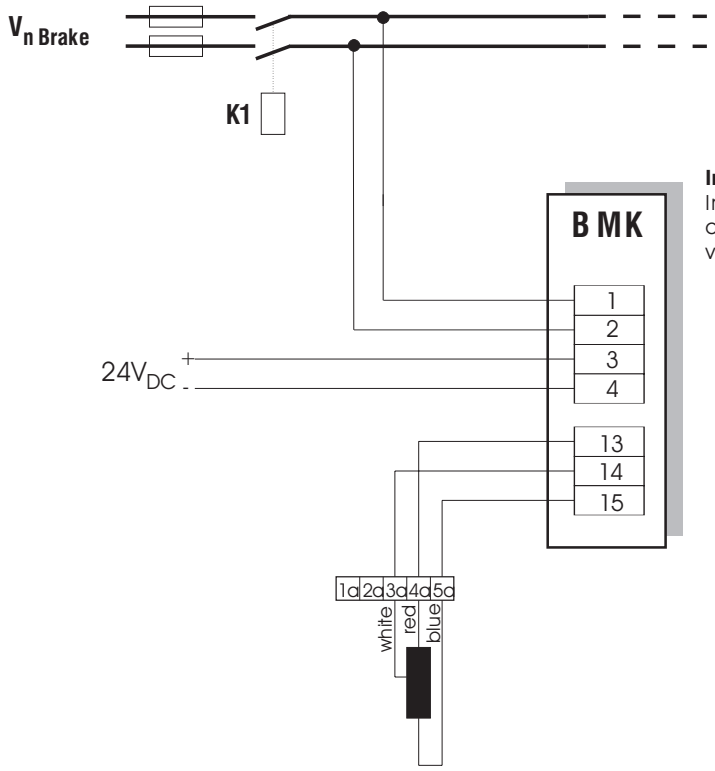
The BMK Brake Control System - Optional for frame sizes 71 to 225

The BMK rectifier functions like the rectifier type BGE, however, it is controlled directly by a $24V_{DC}$ control signal. The BMK is powered with the required AC supply voltage to operate the brake but the brake release is controlled by a $24V_{DC}$ control signal. It is designed to be mounted in a control panel on DIN rail and not in the motors conduit box.

Benefits:

- Direct control using $24V_{DC}$ output signal from a PLC
- Direct control of the brake from an inverter (MOVITRAC®, MOVIDRIVE®, MOVIDYN®) output signal
- Eliminates the need for a brake control brake power contact in most PLC and inverter installations

The BMK has the same high performance functions as the BGE for fast brake release, which allow the motor brake system to cycle at a very high rate.



Important:
In the case of an EMERGENCY stop, an all-pole disconnection of the supply voltage is absolutely necessary!

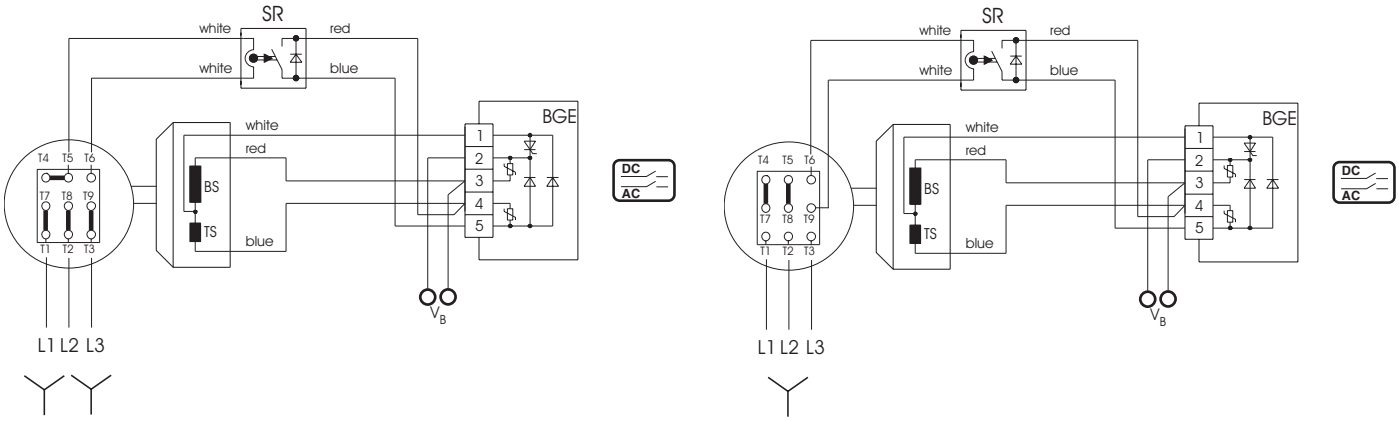
The BSR Brake Control System

The BSR control system achieves the shortest brake reaction and brake release reaction times without any external control equipment or additional wiring leads. The BSR brake control system combines the brake rectifier BGE (for motor frame sizes 71 to 225) with an electronic, current relay SR, which is mounted in the terminal box. The SR takes care of the task of rapidly demagnetizing the brake.

The SR current relay is fed with current from a voltage phase feeding the motor while the motor is running. When the motor is switched off, the current relay, SR, switches instantly to cause the rectifier to demagnetize the brake.

The BSR system is only suitable for single speed motors with current ratings up to 50 Amps.

In general, the white-black leads of the SR relay replace a brass jumper bar on the terminal block of any single speed motor



The BUR Brake Actuator

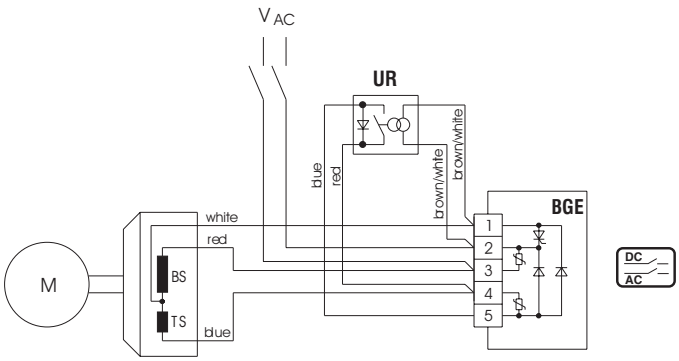
The control system BUR is an integrated combination, in the terminal box, of the brake rectifier BGE (for motor frame sizes 71 through 200), BG (for motor frame size 63) and the voltage relay UR. It is specially suited for two-speed or speed controlled AC squirrel-cage motors or DC motors, which require a very rapid brake reaction time. For these applications it is a characteristic that the AC supply for the brake rectifier is run separately to the terminal box.

The voltage relay UR with power supply interruption separates the DC circuit of the brake and thereby ensures a rapid demagnetizing of the brake.

The control system BUR achieves the shortest brake reaction and brake release reaction times without additional conductor leads requirement between the switch cabinet and brake motor and also without external contactors.

The control system BUR is available for power supplies 42V through 500V and a maximum holding current of 1 A.

The BSR and BUR engage a PG threaded conduit aperature of the terminal box. Should the standard four PG threaded conduit aperatures not be sufficient for the cabling, please consult us.



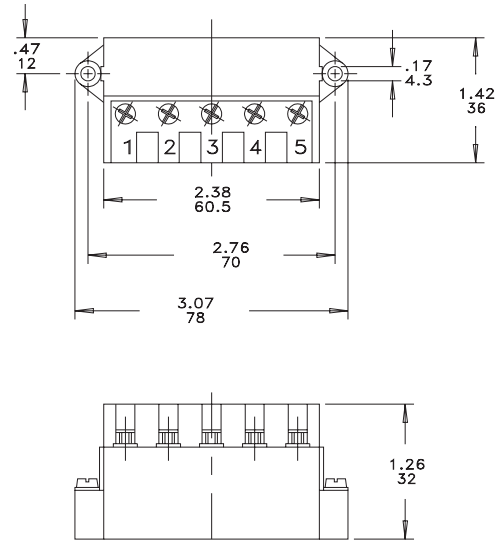
Caution:

The power supply is with separate supply leads. The connection to the terminal board of the motor is not permissible.

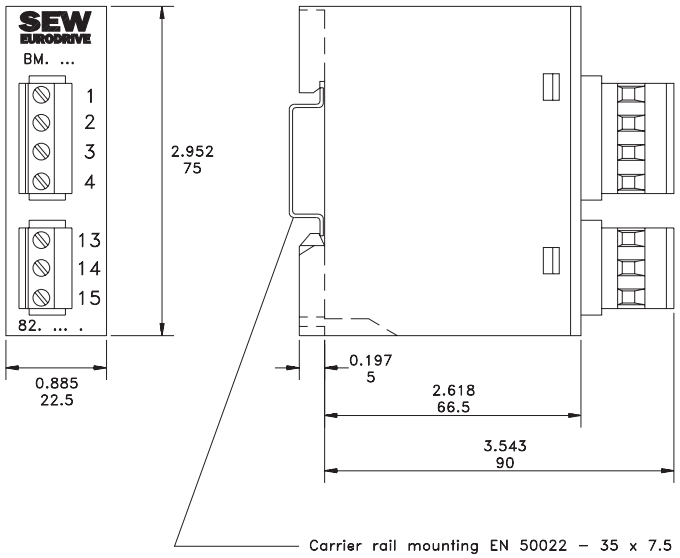
Mechanical Features of the Brake Rectifier and Brake Control Systems

All brake rectifiers for the BM(G) brake have the same external dimensions (except for the DIN rail mounted units). The BG and BGE units are preferably mounted in the motor terminal box, but can also be supplied for switch cabinet installation. The BMS, BME, BMH, BMP and BMK units are for DIN rail mounting.

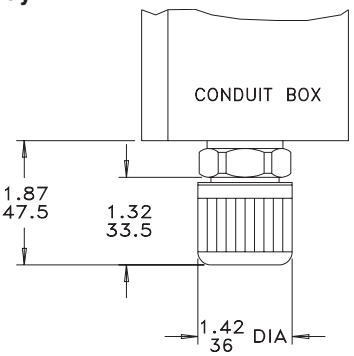
BG, BGE, BSG Brake Rectifiers

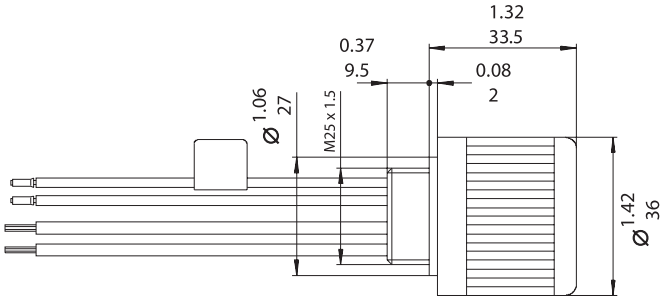


BMS, BME, BMH, BMP, BMK Brake Rectifiers



UR/SR Relay





Brake Rectifiers - Technical Data

Terminal Box Mounted

Type	Voltage	Maximum Current	Color	Part Number
BG1	42 - 500 V_{AC}	1.5 A_{DC}	Black	825 590 3
BG1.5	150 - 500 V_{AC}	1.5 A_{DC}	Black	825 384 6
BG3	42 - 150 V_{AC}	3.0 A_{DC}	Brown	825 386 2
BG6	20 - 30 V_{AC}	6.0 A_{DC}	Lavender	826 350 7
BGE1.5	150 - 500 V_{AC}	1.5 A_{DC}	Red	825 385 4
BGE3	42 - 150 V_{AC}	3.0 A_{DC}	Blue	825 387 0
BSG (24V Controller)	20 - 30 V_{DC}	5.0 A_{DC}	White	825 459 1
Auxiliary terminal strip			Black	183 060 0

DIN Rail Mounted

Type	Voltage	Maximum Current	Color	Part Number
BMS1.5	150 - 500 V_{AC}	1.5 A_{DC}	Black	825 802 3
BMS3	42 - 150 V_{AC}	3.0 A_{DC}	Brown	825 803 1
BME1.5	150 - 500 V_{AC}	1.5 A_{DC}	Red	825 722 1
BME3	42 - 150 V_{AC}	3.0 A_{DC}	Blue	825 723 X
BMP1.5	150 - 500 V_{AC}	1.5 A_{DC}	Gray	825 685 3
BMH1.5	150 - 500 V_{AC}	1.5 A_{DC}	Green	825 818 X
BMH3	42 - 150 V_{AC}	3.0 A_{DC}	Yellow	825 819 8
BMK1.5	150 - 500 V_{AC}, 12 - 32 V_{DC}	1.5 A_{DC}	Turquoise	826 463 5
BMK3	42 - 150 V_{AC}, 12 - 32 V_{DC}	3.0 A_{DC}	Pink	826 567 4

Brake Control Relays

Type	Thread	Voltage	Motor Phase Current	Brake Current	Part Number
SR11	M25x1.5	—	0.6 - 10 A_{AC}	1.0 A_{DC}	826 761 8
SR15	M25x1.5	—	10 - 50 A_{AC}	1.0 A_{DC}	826 762 6
UR11	M25x1.5	42 - 150 V_{AC}	—	1.0 A_{DC}	826 758 8
UR15	M25x1.5	150 - 500 V_{AC}	—	1.0 A_{DC}	826 759 6

Plug Adapters

Type	Part Number
M16x1.5 → 1/2 NPT	186 604 4
M20x1.5 → 1/2 NPT	186 605 2
M25x1.5 → 1/2 NPT	186 686 9
M25x1.5 → 3/4 NPT	186 606 0
M32x1.5 → 1/2 NPT	186 607 9

Brake Type BM(G)

Permissible Brake Work

The permissible brake work per braking operation is as follows. Since the actual permissible brake work is dependent upon the brake size as well as the motor speed, please submit full details to our engineering department, if the actual brake work exceeds the values listed in the table.

Brake Work lb-ft	7,400	1,500	150	15
No. of Stops per hour	10	100	1,000	10,000

Brake Torque and Reaction Times

Frame		T_B Max lb-in.	T_B Reduced Brake Torque lb-in.				W_2 [5] lb-ft x 10^6	t_1 [1] ms	t_2 [3]		P_B [6] W
Motor	Brake								$t_{2\,II}$ ms	$t_{2\,I}$ ms	
DT71../80..	BM(G)05	44	35	22	14	11	88.5	30 [2] 20	5	35	32
DT80..	BM(G)1	88	66	53			88.5	50 [2] 20	8	40	36
DT90../100..	BM(G)2	177	142	88	58	44	192	70 [2] 30	12	80	40
DT100..	BM(G)4	354	266	212			192	130 [2] 35	15	80	50
DV112M	BM(G)8	487	398 168	327 112	266 84		442.5	30	12	60	57
DV132S	BM(G)8	664	487 168	398 112	327 84	266	442.5	35	10	50	57
DV132M	BM15	885	664	442	310	221	738	40	14	70	95
DV132ML/160M	BM15	1328	1106 442	885 310	664 221		738	50	12	50	95
DV160L	BM30	1770	1328 664	1106 442	885		1106	55	18	90	95
DV180..	BM30	2655	2212 885	1770 664	1328 442	1106	1106	60	16	80	95
DV200../225..	BM31	2655	2212 885	1770 664	1328 442	1106	1106	60	16	80	95
DV180..	BM32 [4]	2655	2212	1770	1328	885	1106	55	18	90	95
DV200../225..	BM62 [4]	5310	4425 1770	3540 1328	2655 885	2212	1106	60	16	80	95

[1] Brake Release Times t_1 (Apply only for $T_{B\,Max}$)

[2] These values apply with the use of the BG Rectifier, all other values in the column apply with the use of the BGE Rectifier.

[3] Brake Reaction Times t_2 (Apply only for $T_{B\,Max}$)
t_{2II}: Fast Response - simultaneous switch off in the AC and DC circuits
t_{2I}: Normal Response - switch off in the AC circuit

[4] Double Disc Brake

[5] W_2 – Permissible brake work until brake needs to be readjusted.

[6] P_B – Power consumption of the brake coil

Address List

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Production ***Assembly*** ***Sales*** ***Service***	***South Carolina***	SEW-EURODRIVE INC. 1295 Old Spartanburg Highway P.O. Box 518 Lyman, S.C. 29365	Tel. (864) 439-7537 Fax Sales (864) 439-7830 Fax Mfg. (864) 439-9948 Fax Assembly (864) 439-0566 Telex 805 550 E-mail: cslyman@seweurodrive.com
Assembly ***Sales*** ***Service***	***California***	SEW-EURODRIVE INC. 30599 San Antonio St. Hayward, California 94544-7101	Tel. (510) 487-3560 Fax (510) 487-6381 E-mail: cshayward@seweurodrive.com
	New Jersey	SEW-EURODRIVE INC. Pureland Ind. Complex 200 High Hill Road, P.O. Box 481 Bridgeport, New Jersey 08014	Tel. (856) 467-2277 Fax (856) 845-3179 E-mail: csbridgeport@seweurodrive.com
	Ohio	SEW-EURODRIVE INC. 2001 West Main Street Troy, Ohio 45373	Tel. (9 37) 335-0036 Fax (9 37) 440-3799 E-mail: cstroy@seweurodrive.com
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		JAMES WALSH 2417 Courtney Renea Drive Dacula GA 30019	Tel. (770) 237-8734 Fax (770) 237-5735
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Belgium			
Assembly	***Brüssel***	CARON-VECTOR S.A.	Tel. (010) 23 13 11
Sales		Avenue Eiffel 5	Fax (010) 2313 36
Service		B-1300 Wavre	http://www.caron-vector.be
			info@caron-vector.be
Technical Office	***Vlaanderen***	CARON-VECTOR S.A.	Tel. (32) 09/2 27 34 52
		Industrieweg 112-114	Fax (32) 09/2 27 41 55
		B-9032 Gent (Wondelgem)	
Bolivia			
	La Paz	LARCOS S. R. L.	Tel. 02 34 06 14
		Calle Batallon Colorados No.162 Piso 4	Fax 02 35 79 17
		La Paz	
Brazil			
Production	***Sao Paulo***	SEW DO BRASIL	Tel. (011) 64 89-64 33
Sales		Motores-Redutores Ltda.	Fax (011) 64 80-46 12
Service		Rodovia Presidente Dutra, km 208	sew@sew.com.br
		CEP 07210-000 - Guarulhos - SP	
	Additional addresses for service in Brazil provided on request!		
Bulgaria			
Sales	***Sofia***	BEVER-DRIVE GMBH	Tel. (92) 9 53 25 65
		Bogdanovetz Str.1	Fax (92) 9 54 93 45
		BG-1606 Sofia	bever@mbox.infotel.bg
Cameroon			
Technical Office	***Douala***	Electro-Services	Tel. 43 22 99
		Rue Drouot Akwa	Fax 42 77 03
		B.P. 2024	
		Douala	
Chile			
Assembly	***Santiago de***	SEW-EURODRIVE CHILE	Tel. (02) 6 23 82 03+6 23 81 63
Sales	***Chile***	Motores-Reductores LTDA.	Fax (02) 6 23 81 79
Service		Panamericana Norte No 9261	
		Casilla 23 - Correo Quilicura	
		RCH-Santiago de Chile	
China			
Production	***Tianjin***	SEW-EURODRIVE (Tianjin) Co., Ltd.	Tel. (022) 25 32 26 12
Assembly		No. 46, 7th Avenue, TEDA	Fax (022) 25 32 26 11
Sales		Tianjin 300457	
Service			
Colombia			
Assembly	***Bogotá***	SEW-EURODRIVE COLOMBIA LTDA.	Tel. (0571) 5 47 50 50
Sales		Calle 22 No. 132-60	Fax (0571) 5 47 50 44
Service		Bodega 6, Manzana B	sewcol@andinet.com
		Santafé de Bogotá	
Croatia			
Sales	***Zagreb***	KOMPEKS d. o. o.	Tel. +385 14 61 31 58
Service		PIT Erdödy 4 II	Fax +385 14 61 31 58
		HR 10 000 Zagreb	
Czech Republic			
Sales	***Praha***	SEW-EURODRIVE S.R.O.	Tel. 02/20 12 12 34 + 20 12 12 36
		Business Centrum Praha	Fax 02/20 12 12 37
		Luná 591	sew@sew-eurodrive.cz
		16000 Praha 6	
Denmark			
Assembly	***Kopenhagen***	SEW-EURODRIVEA/S	Tel. 4395 8500
Sales		Geminivej 28-30, P.O. Box 100	Fax 4395 8509
Service		DK-2670 Greve	http://www.sew-eurodrive.dk
			sew@sew-eurodrive.dk

Egypt			
	Cairo	Copam Egypt for Engineering & Agencies 33 El Hegaz ST, Heliopolis, Cairo	Tel. (02) 2 56 62 99-2 41 06 39 Fax (02) 2 59 47 57-2 40 47 87
Estonia			
Sales	***Tallin***	ALAS-KUUL AS Paldiski mnt.125 EE 0006 Tallin	Tel. 6 59 32 30 Fax 6 59 32 31
Finland			
Assembly ***Sales*** ***Service***	***Lahti***	SEW-EURODRIVE OY Vesimäentie 4 FIN-15860 Hollola 2	Tel. (3) 589 300 Fax (3) 780 6211
France			
Production ***Sales*** ***Service***	***Haguenau***	SEW-USOCOME SAS 48-54, route de Soufflenheim B. P. 185 F-67506 Haguenau Cedex	Tel. 03 88 73 67 00 Fax 03 88 73 66 00 http://www.usocome.com sew@usocome.com
Assembly ***Sales*** ***Service***	***Bordeaux***	SEW-USOCOME SAS Parc d'activités de Magellan 62, avenue de Magellan - B. P. 182 F-33607 Pessac Cedex	Tel. 05 57 26 39 00 Fax 05 57 26 39 09
	Lyon	SEW-USOCOME SAS Parc d'Affaires Roosevelt Rue Jacques Tati F-69120 Vaulx en Velin	Tel. 04 72 15 37 00 Fax 04 72 15 37 15
	Paris	SEW-USOCOME SAS Zone industrielle 2, rue Denis Papin F-77390 Verneuil l'Etang	Tel. 01 64 42 40 80 Fax 01 64 42 40 88
Gabon			
Technical Office	***Libreville***	Electro-Services B.P. 1889 Libreville	Tel. 73 40 11 Fax 73 40 12
Germany			
Headquarters ***Production*** ***Sales*** ***Service***	***Bruchsal***	SEW-EURODRIVE GmbH & Co Ernst-Blickle-Straße 42 D-76646 Bruchsal P.O. Box Postfach 3023 · D-76642 Bruchsal	Tel. (0 72 51) 75-0 Fax (0 72 51) 75-19 70 Telex 7 822 391 http://www.SEW-EURODRIVE.de sew@sew-eurodrive.de
Production	***Graben***	SEW-EURODRIVE GmbH & Co Ernst-Blickle-Straße 1 D-76676 Graben-Neudorf P.O. Box Postfach 1220 · D-76671 Graben-Neudorf	Tel. (0 72 51) 75-0 Fax (0 72 51) 75-29 70 Telex 7 822 276
Assembly ***Service***	***Garbsen*** ***(near Hannover)***	SEW-EURODRIVE GmbH & Co Alte Ricklinger Straße 40-42 D-30823 Garbsen P.O. Box Postfach 110453 · D-30804 Garbsen	Tel. (0 51 37) 87 98-30 Fax (0 51 37) 87 98-55
	Kirchheim ***(near München)***	SEW-EURODRIVE GmbH & Co Domagkstraße 5 D-85551 Kirchheim	Tel. (0 89) 90 95 52-10 Fax (0 89) 90 95 52-50
	Langenfeld ***(near Düsseldorf)***	SEW-EURODRIVE GmbH & Co Siemensstraße 1 D-40764 Langenfeld	Tel. (0 21 73) 85 07-30 Fax (0 21 73) 85 07-55
	Meerane ***(near Zwickau)***	SEW-EURODRIVE GmbH & Co Dänkritzer Weg 1 D-08393 Meerane	Tel. (0 37 64) 76 06-0 Fax (0 37 64) 76 06-30

		Great Britain	
Assembly ***Sales*** ***Service***	***Normanton***	SEW-EURODRIVE Ltd. Beckbridge Industrial Estate P.O. Box No.1 GB-Normanton, West- Yorkshire WF6 1QR	Tel. 19 24 89 38 55 Fax 19 24 89 37 02
		Greece	
Sales ***Service***	***Athen***	Christ. Boznos & Son S.A. 12, Mavromichali Street P.O. Box 80136, GR-18545 Piraeus	Tel. 14 22 51 34 Fax 14 22 51 59 Boznos@otenet.gr
		Hong Kong	
Assembly ***Sales*** ***Service***	***Hong Kong***	SEW-EURODRIVE LTD. Unit No. 801-806, 8th Floor Hong Leong Industrial Complex No. 4, Wang Kwong Road Kowloon, Hong Kong	Tel. 2-7 96 04 77 + 79 60 46 54Fax 2-7 95-91 29sew@sewhk.com
		Hungary	
Sales ***Service***	***Budapest***	SEW-EURODRIVE Kft. H-1037 Budapest Kunigunda u. 18	Tel. +36 1 437 06 58 Fax +36 1 437 06 50
		Iceland	
	Hafnarfirdi	VARMAVERK ehf Dalshrauni 5 IS - 220 Hafnarfirdi	Tel. (354) 5 65 17 50 Fax (354) 5 65 19 51 varmaverk@varmaverk.is
		India	
Assembly ***Sales*** ***Service***	***Baroda***	SEW-EURODRIVE India Pvt. Ltd. Plot No. 4, Gidc Por Ramangamdi · Baroda - 391 243 Gujarat	Tel. 0 265-83 10 86 Fax 0 265-83 10 87 sew.baroda@gecsl.com
		Indonesia	
Technical Office	***Jakarta***	SEW-EURODRIVE Pte Ltd. Jakarta Liaison Office, Fax (021) 536-36 86 Menara Graha Kencana Jl. Perjuangan No. 88, LT 3 B, Kebun Jeruk, Jakarta 11530	Tel. (021) 535-90 66/7
		Ireland	
Sales ***Service***	***Dublin***	Alperton Engineering Ltd. 48 Moyle Road Dublin Industrial Estate Glasnevin, Dublin 11	Tel. (01) 8 30 62 77 Fax (01) 8 30 64 58
		Israel	
	Tel-Aviv	Liraz Handasa Ltd. 126 Petach-Tikva Rd. Tel-Aviv 67012	Tel. 03-6 24 04 06 Fax 03-6 24 04 02
		Italy	
Assembly ***Sales*** ***Service***	***Milano***	SEW-EURODRIVE di R. Blickle & Co.s.a.s. Via Bernini,14 I-20020 Solaro (Milano)	Tel. (02) 96 98 01 Fax (02) 96 79 97 81
		Ivory Coast	
Technical Office	***Abidjan***	SICA Ste industrielle et commerciale pour l'Afrique 165, Bld de Marseille B.P. 2323, Abidjan 08	Tel. 25 79 44 Fax 25 84 36
		Japan	
Assembly ***Sales*** ***Service***	***Toyoda-cho***	SEW-EURODRIVE JAPAN CO., LTD 250-1, Shimoman-no, Fax (0 53 83) 7 3814 Toyoda-cho, Iwata gun Shizuoka prefecture, P.O. Box 438-0818	Tel. (0 53 83) 7 3811-13

		Korea	
Assembly ***Sales*** ***Service***	***Ansan-City***	SEW-EURODRIVE KOREA CO., LTD. B 601-4, Banweol Industrial Estate Unit 1048-4, Shingil-Dong Ansan 425-120	Tel. (031) 4 92-80 51 Fax (031) 4 92-80 56
		Lebanon	
Technical Office	***Beirut***	Gabriel Acar & Fils sarl B. P. 80484 Bourj Hammoud, Beirut	Tel. (01) 49 47 86 (01) 49 82 72 (03) 27 45 39 Fax (01) 49 49 71x Gacar@beirut.com
		Luxembourg	
Assembly ***Sales*** ***Service***	***Brüssel***	CARON-VECTOR S.A. Avenue Eiffel 5 B-1300 Wavre	Tel. (010) 23 13 11 Fax (010) 2313 36 http://www.caron-vector.be info@caron-vector.be
		Macedonia	
Sales	***Skopje***	SGS-Skopje / Macedonia “Teodosij Sinactaski” 6691000 Skopje / Macedonia	Tel. (0991) 38 43 90 Fax (0991) 38 43 90
		Malaysia	
Assembly ***Sales*** ***Service***	***Johore***	SEW-EURODRIVE SDN BHD No. 95, Jalan Seroja 39, Taman Johor Jaya 81000 Johor Bahru, Johor West Malaysia	Tel. (07) 3 54 57 07 + 3 54 94 09 Fax (07) 3 5414 04
		Mexico	
	Tultitlan	SEW-EURODRIVE, Sales and Distribution, S.A.de C.V. Boulevard Tultitlan Oriente #2 “G” Colonia Ex-Rancho de Santiaguito Tultitlan, Estado de México, México 54900	Tel. 52 55 5888 2976 Fax 52 55 5888 2977 scmexico@seweurodrive.com.mx
		Morocco	
	Casablanca	S. R. M. Société de Réalisations Mécaniques 5, rue Emir Abdelkader 05 Casablanca	Tel. (02) 61 86 69/61 86 70/61 86 71 Fax (02) 62 15 88 SRM@marocnet.net.ma
		Netherlands	
Assembly ***Sales*** ***Service***	***Rotterdam***	VECTOR Aandrijftechniek B.V. Industrieweg 175 NL-3044 AS Rotterdam Postbus 10085 NL-3004AB Rotterdam	Tel. (010) 4 46 37 00 Fax (010) 4 15 55 52
		New Zealand	
Assembly ***Sales*** ***Service***	***Auckland***	SEW-EURODRIVE NEW ZEALAND LTD. P.O. Box 58-428 82 Greenmount drive East Tamaki Auckland	Tel. 0064-9-2 74 56 27 Fax 0064-9-2 74 01 65 sales@sew-eurodrive.co.nz
	Christchurch	SEW-EURODRIVE NEW ZEALAND LTD. 10 Settlers Crescent, Ferrymead Christchurch	Tel. (09) 3 84 62 51 Fax (09) 3 84 64 55 sales@sew-eurodrive.co.nz
		Norway	
Assembly ***Sales*** ***Service***	***Moss***	SEW-EURODRIVE A/S Solgaard skog 71 N-1599 Moss	Tel. (69) 2410 20 Fax (69) 2410 40 sew@sew-eurodrive.no
		Pakistan	
Technical Office	***Karachi***	SEW-EURODRIVE Pte. Ltd. Karachi Liaison Office A/3,1 st Floor, Central Commercial Area Sultan Ahmed Shah Road Block7/8, K.C.H.S. Union Ltd., Karachi	Tel. 92-21-43 93 69 Telex 92-21-43 73 65

Paraguay			
	Asunción	EQUIS S. R. L. Avda. Madame Lynchy y Sucre Asunción	Tel. (021) 67 21 48 Fax (021) 67 21 50
Peru			
Assembly ***Sales*** ***Service***	***Lima***	SEW DEL PERU MOTORES REDUCTORES S.A.C. Los Calderos # 120-124 Urbanizacion Industrial Vulcano, ATE, Lima	Tel. (511) 349-52 80 Fax (511) 349-30 02 sewperu@terra.com.pe
Philippines			
Technical Office	***Manila***	SEW-EURODRIVE Pte Ltd Manila Liaison Office Suite 110, Ground Floor Comfoods Building Senator Gil Puyat Avenue 1200 Makati City	Tel. 0 06 32-8 94 27 52 54 Fax 0 06 32-8 94 27 44 sewmla@i-next.net
Poland			
Sales	***Lodz***	SEW-EURODRIVE Polska Sp.z.o.o. ul. Pojezierska 63 91-338 Lodz	Tel. (042) 6 16 22 00 Fax (042) 6 16 22 10 sew@sew-eurodrive.pl
Portugal			
Assembly ***Sales*** ***Service***	***Coimbra***	SEW-EURODRIVE, LDA. Apartado 15 P-3050-901 Mealhada	Tel. (0231) 20 96 70 Fax (0231) 20 36 85 infosew@sew-eurodrive.pt
Romania			
Sales ***Service***	***Bucuresti***	Sialco Trading SRL str. Madrid nr.4 71222 Bucuresti	Tel. (01) 2 30 13 28 Fax (01) 2 30 71 70 sialco@mediasat.ro
Russia			
Sales	***St. Petersburg***	ZAO SEW-EURODRIVE P.O. Box 193 193015 St. Petersburg	Tel. (812) 3 26 09 41 + 5 35 04 30 Fax (812) 5 35 22 87 sewrus@post.spbnit.ru
Senegal			
	Dakar	SENEMECA Mécanique Générale Km 8, Route de Rufisque B.P. 3251, Dakar	Tel. 22 24 55 Fax 22 79 06 Telex 21521
Singapore			
Assembly ***Sales*** ***Service***		SEW-EURODRIVE PTE. LTD. No 9, Tuas Drive 2 Jurong Industrial Estate Singapore 638644	Tel. 8 62 17 01-705 Fax 8 61 28 27 Telex 38 659
Slovenia			
Sales ***Service***	***Celje***	Pakman - Pogonska Tehnika d.o.o. Ul. XIV. divizije 14 SLO - 3000 Celje	Tel. 00386 3 490 83 20 Fax 00386 3 490 83 21 pakman@siol.net
South Africa			
Assembly ***Sales*** ***Service***	***Johannesburg***	SEW-EURODRIVE (PROPRIETARY) LIMITED Eurodrive House Cnr. Adcock Ingram and Aerodrome Roads Aeroton Ext. 2 Johannesburg 2013 P.O.Box 90004 Bertsham 2013	Tel. + 27 11 248 70 00 Fax +27 11 494 23 11
	Capetown	SEW-EURODRIVE (PROPRIETARY) LIMITED Rainbow Park Cnr. Racecourse & Omuramba Road Montague Gardens, 7441 Cape Town P.O.Box 53 573 Racecourse Park, 7441 Cape Town	Tel. +27 21 552 98 20 Fax +27 21 552 98 30 Telex 576 062

South Africa			
	Durban	SEW-EURODRIVE (PROPRIETARY) LIMITED 2 Monaceo Place Pinetown Durban P.O. Box 10433, Ashwood 3605	Tel. +27 31 700 34 51 Fax +27 31 700 38 47
Spain			
Assembly ***Sales*** ***Service***	***Bilbao***	SEW-EURODRIVE ESPAÑA, S.L. Parque Tecnológico, Edificio, 302 E-48170 Zamudio (Vizcaya)	Tel. 9 44 31 84 70 Fax 9 44 31 84 71 sew.spain@sew-eurodrive.es
Sri Lanka			
	Colombo 4	SM International (Pte) Ltd 254, Galle Raod Colombo 4, Sri Lanka	Tel. 941-59 79 49 Fax 941-58 29 81
Sweden			
Assembly ***Sales*** ***Service***	***Jönköping***	SEW-EURODRIVE AB Gnejsvägen 6-8 S-55303 Jönköping Box 3100 S-55003 Jönköping	Tel. (036) 34 42 00 Fax (036) 34 42 80 www.sew-eurodrive.se
Switzerland			
Assembly ***Sales*** ***Service***	***Basel***	Alfred Imhof A.G. Jurastrasse 10 CH-4142 Münchenstein bei Basel	Tel. (061) 4 17 17 17 Fax (061) 4 17 17 00 http://www.imhof-sew.ch
Taiwan (R.O.C.)			
	Nan Tou	Ting Shou Trading Co., Ltd. No. 55 Kung Yeh N. Road Industrial District Nan Tou 540	Tel. 00886-49-255-353 Fax 00886-49-257-878
Thailand			
Assembly ***Sales*** ***Service***	***Chon Buri***	SEW-EURODRIVE (Thailand) Ltd. Bangpakong Industrial Park 2 700/456, Moo.7, Tambol Donhuaroh Muang District Chon Buri 20000	Tel. 0066-38 21 40 22 Fax 0066-38 21 45 31
Tunisia			
	Tunis	T. M.S. Technic Marketing Service 7, rue Ibn El Heithem Z.I. SMMT 2014 Mégrine Erriadh	Tel. (1) 43 40 64 + 43 20 29 Fax (1) 43 29 76
Turkey			
Assembly ***Sales*** ***Service***	***Istanbul***	SEW-EURODRIVE Hareket Sistemleri San. ve Tic. Ltd. Sti Bagdat Cad. Koruma Cikmazi No. 3 TR-81540 Maltepe ISTANBUL	Tel. (0216) 4 41 91 63 + 4 41 91 64 + 3 83 80 14 + 3 83 80 15 Fax (0216) 3 05 58 67 seweurodrive@superonline.com.tr
Uruguay			
	Montevideo	SEW-EURODRIVE S. A. Sucursal Uruguay German Barbato 1526 CP 11200 Montevideo	Tel. 0059 82 9018 189 Fax 0059 82 9018 188 sewuy@sew-eurodrive.com.uy
Venezuela			
Assembly ***Sales*** ***Service***	***Valencia***	SEW-EURODRIVE Venezuela S.A. Av. Norte Sur No. 3, Galpon 84-319 Zona Industrial Municipal Norte Valencia	Tel. +58 (241) 8 32 98 04 Fax +58 (241) 8 38 62 75 sewventas@cantr.net sewfinanzas@cantr.net

SEW-EURODRIVE, Inc.
Terms and Conditions of Sale

1. GENERAL
All orders for products and drawings furnished in connection therewith (hereinafter collectively called “products”) manufactured or supplied by SEW--Eurodrive, Inc. (“Eurodrive”), shall be subject to these terms and conditions of sale. No modifications or additions hereto will be binding unless agreed to in writing by an authorized officer of Eurodrive.

2. QUOTATIONS
Price quotations by Eurodrive are subject to change without notice. All products sold are subject to price in effect at time of shipment.

3. TAXES
Prices do not include Sales, Use, Excise, or other taxes payable to any governmental authority in respect of the sale of Eurodrive's products. The purchaser shall pay the amount of any such taxes or shall reimburse Eurodrive for the amount thereof that Eurodrive may be required to pay.

4. PAYMENTS
Unless otherwise provided, terms of payment are 30 days net from date of invoice for purchasers whose credit is approved. Eurodrive reserves the right to charge interest on any balance outstanding at 2% per month (or fraction thereof) or as Eurodrive shall determine, up to the maximum rate allowed by law, from the date payment is due to the date payment is actually received. Pro rata payments shall become due as shipments are made. If shipments are delayed by or at the request of the purchaser, payment shall become due when Eurodrive is prepared to make shipment. If the cost to Eurodrive of products is increased by reason of delays caused by the purchaser, such additional cost incurred by Eurodrive shall be paid by the purchaser. Eurodrive may, if it deems itself insecure by reason of the financial condition of purchaser or otherwise, require full or partial payment in advance and as a condition to the continuance of production or shipment on the terms specified herein.

5. ACCEPTANCE
No order or other offer shall be binding upon Eurodrive until accepted in writing by an authorized officer of Eurodrive.

6. CHANGES
Eurodrive will not accept changes in specification unless such changes are requested in writing and agreed to in writing by an authorized officer of Eurodrive and the purchaser agrees to pay, if necessary, in addition to the original purchase price a sum so set by Eurodrive.

7. CANCELLATION
Any order when placed with and accepted by Eurodrive is not subject to cancellation unless agreed to in writing by an authorized officer of Eurodrive. Cancellations are subject to reasonable charges based upon expenses already incurred and commitments made by Eurodrive.

8. DELIVERY
Any indicated dates of delivery are approximate only, but Eurodrive will attempt to meet them where possible. Eurodrive shall not be liable for delays in manufacturing or delivery or failure to manufacture or deliver due to any event in the nature of force majeure or any cause beyond Eurodrive's reasonable control. Eurodrive will not be bound by any penalty clause contained in any specification or order submitted by the purchaser unless such clause is agreed to in writing by an authorized officer of Eurodrive. Delivery of products shall be made FOB Eurodrive's factory unless otherwise agreed to in writing by authorized officer of Eurodrive.

9. PATENTS
Eurodrive shall indemnify and hold harmless the purchaser against all claims or actions that are instituted against the purchaser on the grounds that the purchaser has infringed the patent rights of others by using, reselling, or promoting the sale or resale of Eurodrive's products, provided that Eurodrive shall not be obligated hereunder if:

a) The purchaser fails to give Eurodrive prompt notice of any such claim or actions, or

b) Such claims or actions against the purchaser are based wholly or in part on the existence or operation of any complete installation or apparatus incorporating Eurodrive's products as components and which is designed or manufactured by the purchaser or its customers.

10.REGULATORY LAWS OR STANDARDS
Eurodrive makes no representation that its products conform to state or local laws, ordinances, regulations, codes or standards except as may be otherwise agreed to in writing by an authorized officer of Eurodrive.

11.LIMITED WARRANTY
Eurodrive warrants all its products against defects in material and workmanship for a period of one (1) year from the date the product is placed in service to a maximum of eighteen (18) months from date of shipment. Parts subject to replacement due to operational wear and tear, viz. Varigear belts and Varimot traction elements, are not covered by this Limited Warranty. Notwithstanding the foregoing, any equipment or components of the products not of Eurodrive's own manufacture and/or specified by the purchaser is sold under only such warranty as the maker thereof gives Eurodrive and Eurodrive is able to enforce, but such items are not warranted by Eurodrive in any way. Use of products above rated capacity, misuse, field alterations of products, damage due to lack of maintenance or improper storage, neglect or accident are also excluded from this Limited Warranty.

This Limited Warranty is effective provided:

a) The purchaser notifies Eurodrive in writing of the alleged defect immediately after it becomes known to the purchaser; and

b) no alterations, repairs, or services have been performed by the purchaser or third parties on the products without written approval of an authorized officer of Eurodrive.

Eurodrive's obligation under this Limited Warranty is limited to the repair or replacement FOB Eurodrive's factory or any part or parts found to be defective in material or workmanship.

Eurodrive shall, in no event, be liable to the user/purchaser under this Limited Warranty, or otherwise, for claims, expenditures or losses arising from operational delays or work stoppages or damages to property or people caused by defective products or for consequential or indirect damage of any nature whatsoever.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

12.ASSIGNMENT
No contract to purchase goods from Eurodrive may be assigned by the purchaser without prior agreement in writing by an authorized officer of Eurodrive.

13.SECURITY INTEREST
Unless and until the products are fully paid for, Eurodrive reserves a security interest in them to secure the unpaid balance of the price and all other obligations of the purchaser to Eurodrive however arising. The purchaser hereby grants Eurodrive a power of attorney to execute and file on behalf of purchaser all necessary financing statements and other similar documents required to protect the security interest granted herein.

14.DAMAGES; LIMITATION
In the event of breach of this agreement by Eurodrive, the rights of the purchaser are limited to the amount therefore paid to Eurodrive for the goods. THE PURCHASER SHALL HAVE NO RIGHT TO CONSEQUENTIAL OR INDIRECT DAMAGES, WHETHER FOR INJURES TO PERSON, PROPERTY OR OTHERWISE.

15.DEFAULT
If the purchaser defaults in performing any of its obligations to Eurodrive under this agreement, or any other agreements, Eurodrive may, at its option and without incurring any liability thereby, elect to terminate this agreement or to terminate any or all other agreements with the purchaser or to terminate this agreement together with any or all such other agreements. Furthermore, Eurodrive shall have a right to all damages sustained, including loss of profits.

16.INSOLVENCY
If the purchaser shall be insolvent or cease doing business or be the subject of any proceedings under any bankruptcy, insolvency, reorganization or arrangement statute or law, such act shall at the option of Eurodrive, be deemed a default under this agreement, and Eurodrive may elect to cease performing and cancel this agreement with respect to any products not delivered or received prior to the election. All of the foregoing shall be without prejudice to recovery by Eurodrive of damages for work performed and for loss of profits and material and products delivered.

17.MISCELLANEOUS
The provisions of this agreement shall be governed and construed in accordance with the laws of the State of South Carolina. These terms and conditions set forth the entire understanding and agreement of the parties hereto in respect to the subject matter hereof, and all prior undertakings between the parties hereto, together with all representations and obligations of such parties in respect to such subject matter, shall be superseded by and merged into this agreement. No provisions hereof shall be waived, changed, terminated, modified, discharged or rescinded, orally or otherwise, except by a writing signed by the party to be charged by any such waiver, change, termination, modification, discharge, or rescission. No waiver of any breach of any provision of this agreement shall constitute an amendment or modification of this agreement, or any provision thereof. If any provision of this agreement shall be held to be unenforceable or inapplicable in any way or respect, such holding shall not affect the enforceability of any other provision of this agreement under any other circumstances. The provisions of this agreement shall bind and inure to the benefits of the parties hereto and their respective heirs, executors, administrators, successors, and (subject to any restrictions on assignment hereinabove set forth) assigns. In the event unspecified redress or commitments develop not covered above, terms of the Uniform Commercial Code under the laws of South Carolina will be construed as being effective as they may pertain.