Sumitomo Drive Technologies

Sumitomo Machinery Corporation of America

Member Company

Member

Sumitomo Drive Technologies

CYCLO® 6000

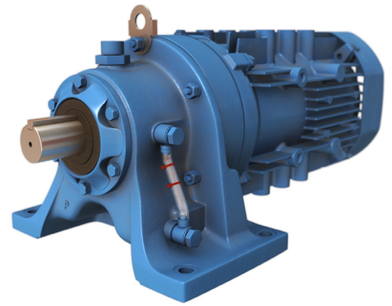
Gearmotors

Catalog 04.601.50.010

Sumitomo Drive Technologies

CYCLO® 6000

Gearmotors



CYCLO® 6000

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CATALOG 04.601.50.010

Cyclo® 6000

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EP.NA Motors (1 HP+)

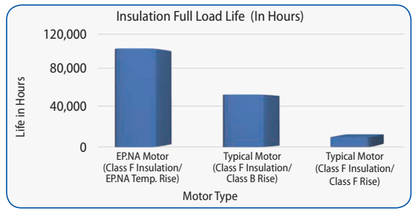
Enhanced Performance (EP.NA) integral motors represent exceptional value to customers. To maximize the performance of the motors, a host of advanced features has been developed providing tangible benefits to the users.

All in one

To simplify transactions throughout the continent, North American version (.NA) features standard multiple listings including DOE, UL and CSA, along with CE marking. Other versions are available for premium performance with European 50 Hz voltages.

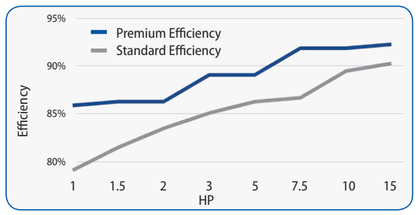
Exceptionally long life

Our Premium Efficient Motors feature lower temperature rise and robust class "F" insulation. The combination of those attributes yield reduced motor operating temperatures that exponentially increase the thermal life of the insulation.



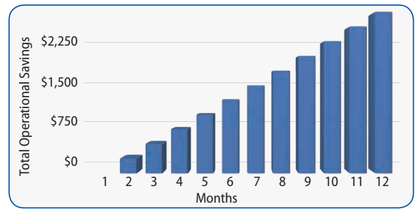
Eco friendly

Premium efficiency, mandated by the DOE, shrinks the carbon footprint by delivering more torque at the same level of energy consumption. Higher starting torques may allow smaller motors to be selected for some applications.



Cost-effective

The premium efficiency design is cost-effective in reducing energy consumption throughout the full speed range, resulting in a lower total lifecycle cost.



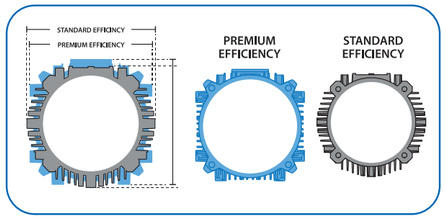
The assumptions for the study are as follows:
9.8 cents of a dollar per kWh • 8600 operating hours annually • A 7.5 kilowatt motor (10 HP) • IE3 motor costing 25% more than the IE1 motor • IE3 premium efficiency motor being 2.8% more efficient than the IE1 standard efficiency motor

Inverter duty

All of the motors feature corona resistant magnet wire that resists the voltage spikes that are inherent to the widely applied IGBT inverters and extends insulation life. Inverter duty brake motors are also available. The non-brake motors are suitable for a 10:1 turndown. The advanced fan design helps to keep the motor running cool at lower input speeds.

Optimized Geometry

Increasing motor size is one of several techniques to reduce losses and achieve premium efficiency. Sumitomo optimized its existing external envelope while still accommodating a large motor core. The result is a compact premium efficient motor.



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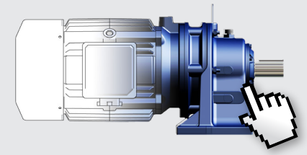
Configurator

Product Configurator: *www.sumitomodrive.com/Configurator*

Sumitomo Drive Technologies' online product Configurator streamlines the selection process, enabling you to build **our power transmission products for your specific application.**

Configure your Sumitomo Drive Technologies products today at *www.sumitomodrive.com/Configurator*



Scan with a QR code reader to login!

www.sumitomodrive.com

► Cyclo® 6000 offers an expanded range of standard sizes and ratings. Use this chart to select a Cyclo® 6000 when replacing Cyclo® series 3000 and 4000 models.

CYCLO Frame Size
Cross Reference

SERIES		
3000	4000	6000
		6060
3075	4075	6065
		6070
3085	4085	6075
		6080
		6085
3090	4090	6090
3095	4095	6095
3097	4097	6095
3100	4100	6100
3105	4105	6105
310H	410H	610H
		6110
		6115
3110	4110	6120
3115	4115	6125
311H	4125	612H
3140	4130	6130
3145	4135	6135
		6140
3155	4145	6145
315H	4155	614H
3160	4160	6160
3165	4165	6165
316H	416H	616H
3170	4170	6170
3175	4175	6175
3180	4180	6180
3185	4185	6185
3190	4190	6190
3195	4195	6195
3205	4205	6205
3215	4215	6215
3225	4225	6225
3235	4235	6235
3245	4245	6245
3255	4255	6255
3265	4265	6265
3275	4275	6275

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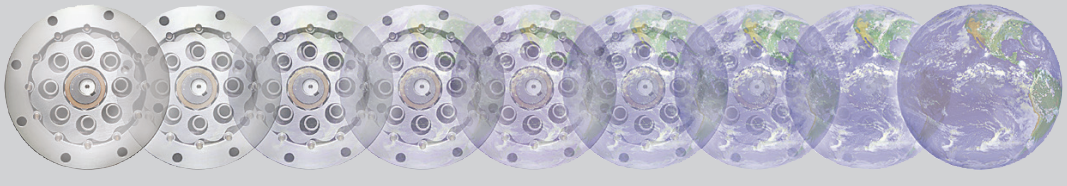
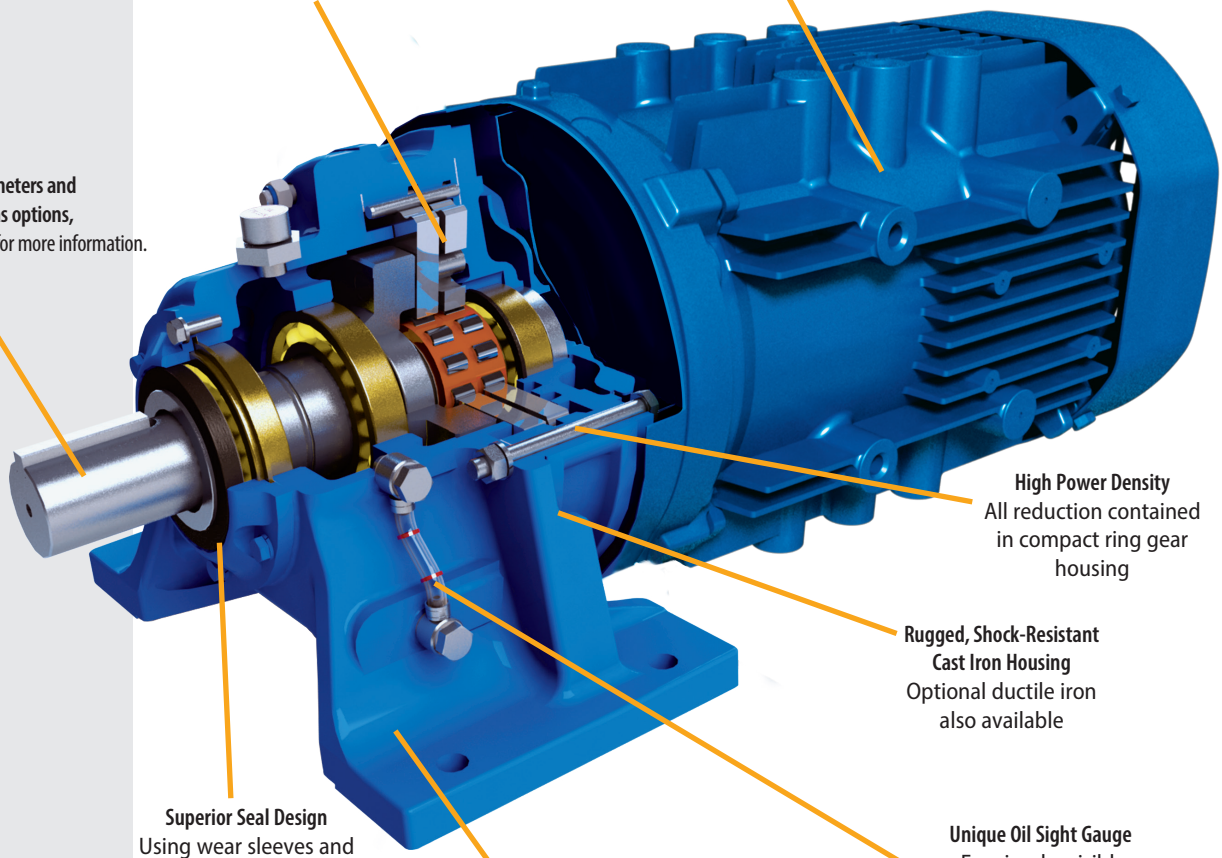


Cyclo® 6000

Consistent, Reliable Performance
All rotating components are fully hardened, vacuum degassed bearing grade steel

▸ **Wide variety of inputs available,** including C-Face, Free-Shaft, Gearmotor and Brakemotor

Custom output shaft diameters and stainless steel available as options,
contact Sumitomo Customer Service for more information.



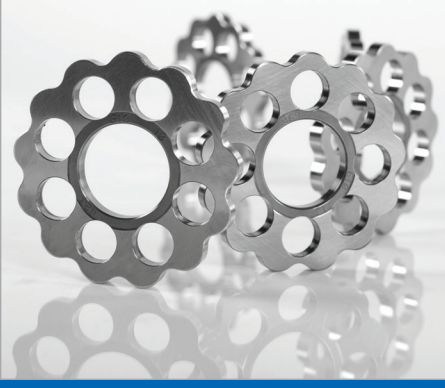
High Power Density
All reduction contained in compact ring gear housing

Rugged, Shock-Resistant Cast Iron Housing
Optional ductile iron also available

Superior Seal Design
Using wear sleeves and pressure-rated seals.

Unique Oil Sight Gauge
For simple, visible lubrication indication
(Note: frame sizes 6060-6125 do not feature the oil sight gauge due to grease lubrication)

Optional FDA Paint
Perfect for food grade applications, see Options page 3.6



Unmatched Reliability, Exceptional Performance

▸ **Cyclo® speed gearmotors are designed to withstand shockloads exceeding 500% of their ratings**

Product Description

Sumitomo Cyclo® speed reducers and gearmotors are the premier in-line drives. The revolutionary Cyclo® design provides quiet, efficient and reliable performance exceeding that of involute tooth gear designs. Unlike geared designs, the Cyclo®'s reduction components operate in compression rather than shear, which results in exceptionally rugged and shock resistant performance. The Cyclo® technology coupled with innovative product options and accessories offer the most extensive range of application solutions available.

Features & Benefits

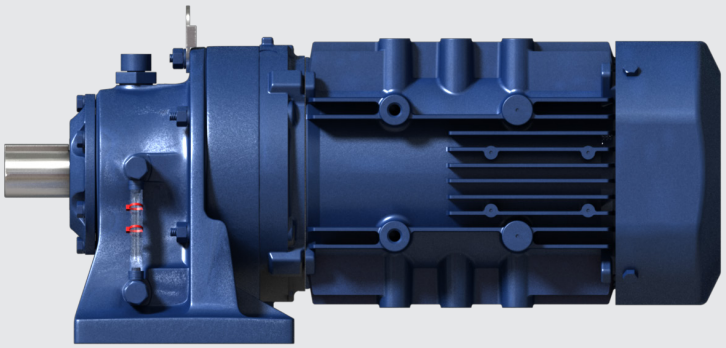
- **Cycloidal speed reduction technology**
  - ~ Quiet, efficient and reliable operation with high torque density and compact size
  - **Maintenance free for greased units 6060-6125**
- **Modular design**
  - ~ Interchangeable cast iron housings in foot, flanged or face mount configurations
- **Universal mounting arrangements**
  - ~ Available free-shaft, quill hollow shaft, C-face, shovel base, and top-mount inputs
- **Internal components manufactured from hardened, vacuum-degassed, bearing grade steel**
  - ~ Minimal vibration, low noise, low backlash and extended operational life
- **The best product warranty**
  - ~ The 24 month warranty backs up the superb Cyclo® product reputation

General Specifications Summary

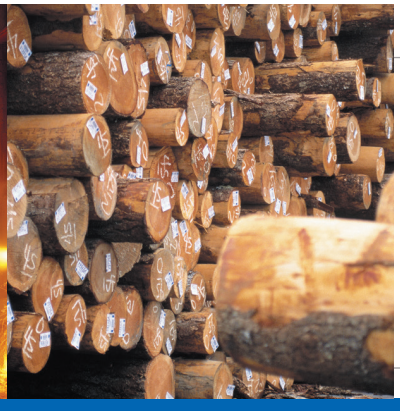
Sizes:	23 sizes (5lbs to 5,000lbs)
Torque Rating:	55 to 603,000 lb in
HP Rating:	0.125 to 75 HP for integral gearmotor 0.10 to 235 HP for reducer only
Ratio Range:	3:1 to 119:1 (single) 121:1 to 7,569:1 (double) 8,041:1 to 658,503:1 (triple)
Mounting:	Foot, Flange, Face Mount
Motor Standards:	NEMA, IEC, JIS, UL, CSA, CE

Sumitomo's Cyclo 6000 is extremely **torque dense** and is an inline gearmotor

- Connection free design
- Rugged forged output shaft
- Direct acting brake option
- Unmatched durability
- Foot and Flange Styles



For additional CYCLO® 6000 information, please visit www.sumitomodrive.com



Applications

- Conveyors
- Food Machinery
- Mixers
- Automotive Plants
- Recycling Machines
- Poultry Plants
- Sawmills and Wood Mills
- Wastewater Treatment
- Steel Mills
- Construction Equipment
- Paper Mills
- Processing Plants

Product Range (Standard Motor and Reducer Combinations)

Reduction Ratios 3 - 119

Combinations with 1450 and 1750 RPM motor

Input Type		Planetary		Cyclo														
Ratio		3	5	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119
Actual Output RPM 1450	50 Hz	483	290	242	181	132	112	96.7	85.3	69.0	58.0	50.0	41.4	33.7	28.4	24.6	20.4	16.7	12.2
1750	60 Hz	583	350	292	219	159	135	117	103	83.3	70.0	60.3	50.0	40.7	34.3	29.7	24.6	20.1	14.7
Motor Power HP (kW) 1/8 (0.1)				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1/4 (0.2)				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1/3 (0.25)				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1/2 (0.4)				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
3/4 (0.55)				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
1 (0.75)				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
1.5 (1.1)	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
2 (1.5)	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
3 (2.2)	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
5 (3.7)	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
7.5 (5.5)	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
10 (7.5)	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
15 (11)	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
20 (15)	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
25 (18.5)	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
30 (22)	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●			
40 (30)	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●			
50 (37)						●	●	●	●	●	●	●	●	●		●			
60 (45)						●	●	●	●	●	●	●		●					
75 (55)						●		●		●		●		●					

● Standard efficiency motor
● Premium efficiency or IE3 motor

Reduction Rations 104 - 7569

Combinations with 1450 and 1750 RPM motor

Input Type		Cyclo																								
Ratio		104	121	143	165	195	231	273	319	377	473	559	649	731	841	1003	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569
Actual Output RPM 1450	50 Hz	13.9	12.0	10.1	8.79	7.44	6.28	5.31	4.55	3.85	3.07	2.59	2.23	1.98	1.72	1.45	1.16	0.98	0.754	0.702	0.572	0.476	0.417	0.327	0.282	0.235	0.192
1750	60 Hz	16.8	14.5	12.2	10.6	8.97	7.58	6.41	5.49	4.64	3.70	3.13	2.70	2.39	2.08	1.74	1.40	1.18	0.946	0.847	0.690	0.575	0.503	0.394	0.341	0.283	0.231
Motor Power HP (kW) 1/8 (0.1)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1/4 (0.2)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1/3 (0.25)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
1/2 (0.4)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
3/4 (0.55)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●								
1 (0.75)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
1.5 (1.1)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
2 (1.5)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
3 (2.2)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
5 (3.7)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
7.5 (5.5)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
10.5 (7.5)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
15 (11)		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
20 (15)		●	●		●	●	●	●	●	●	●	●	●	●	●	●											
25 (18.5)			●		●	●	●	●	●	●	●	●	●	●	●												
30 (22)			●		●	●	●	●	●	●	●	●	●														
40 (30)			●		●	●	●	●	●	●	●																
50 (37)			●		●	●	●		●	●																	
60 (45)			●		●	●			●																		
75 (55)																											

● Standard efficiency motor
● Premium efficiency or IE3 motor

FAQs

How do I select a Cyclo® gearmotor?
Selection is based on the motor horsepower and/or torque requirements at the output shaft. The Cyclo® gearmotor has particularly high efficiencies over a wide range of reduction ratios, which frequently permits the use of reduced input power requirements (smaller HP motor) without sacrificing output shaft torque. The selection procedures in this catalog will guide you in choosing the most efficient gearmotor for your application.

What information do I need to get started in the selection process?
To select the proper gearmotor for your application, you will need to know:

- Application: type of driven machine
- Hours of operation per day
- Motor horsepower (HP) and speed (RPM)
- Mounting position

If there are any special environmental factors or operation requirements, they must also be noted. This information will be important in determining the Service Factor of your application.

What are Service Classes and how are they used?
In general, gearmotors are rated for the specific conditions and operating requirements of the application by the use of AGMA-defined Service Classes. There are three AGMA Service Classifications for gearmotors: uniform (I), moderate shock (II) and heavy shock (III) (pages 2.4-2.5) The Service Classes are used in the product selection process to adjust for the specific conditions and operating requirements of your application.

What do I do if my application has particularly severe operating conditions?
The standard ratings for Cyclo® are based on 10-hour daily service under conditions of uniform loads (equivalent to AGMA service Class I). By following the product selection process, you will determine and apply the Service Factors to compensate for longer periods of operation and/or severe operating conditions.

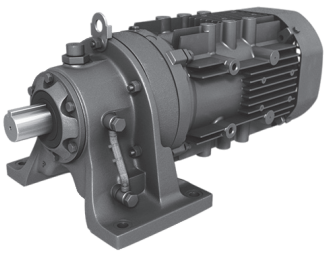
How can I be sure that the gearmotor can withstand periodic excessive overloads?
Cyclo® Gearmotors provide 500% momentary intermittent shock load capacity. Planetary gearmotors can accommodate 300% momentary shock loads. For applications with shock loads greater than 500%, consult an SMA Application Engineer.

What are the standard input speeds?
In general terms, the speeds are 1750 and 1165 RPM at 60Hz, and 1450 and 980 RPM at 50Hz.
When non-standard input speeds are used, the horsepower and torque ratings also vary.

What thermal capacity limitations does the Cyclo® have?
The Cyclo® gearmotor, by virtue of its smooth, almost frictionless operation (unlike traditional helical gears), has a thermal rating that far exceeds its mechanical capacity and all but eliminates the conventional limitations due to heat under normal ambient conditions.

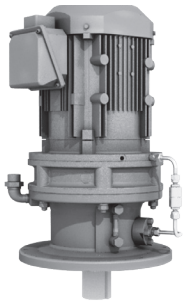
What inverter turn-down ratio is available?
A 10:1 ratio is standard for motor without brake. Breakmotors are more limited with 4:1 or better depending on power. A 1000:1 ratio is available in a C-face configuration.

Common Configurations



Single Reduction,
Horizontal Foot Mount
Brakemotor

Single Reduction, Flange Mount



Single Reduction, V-Flange Mount

Double Reduction

Enhanced Performance (EP) Motor FAQs (1HP+)

What efficiency level are these Enhanced Performance (EP) motors?
The EP motor (applies to 1HP and above) is a Premium efficiency class, or International Efficiency 3 (IE3) design. Our integral fractional (less than 1HP) motors are not EP and are classified as standard efficiency IE1 motors.

What standards do these motors meet?
All Sumitomo motors are compliant with the Energy Policy and Conservation Act (EPAct), as recently amended by the Department of Energy with a new ruling.

EP Sumitomo motors met the efficiency levels promoted by the Consortium for Energy Efficiency (CEE) and exceed the Canadian efficiency levels specified by NRCan.

The IE3 efficiency ratings conform to both the IEC Standard 60034-30:2009 and eco-design directive 2005/32/EC.

Will Sumitomo motors work with inverters?
All current EP motors feature corona resistant magnet wire that extends the life of the insulation and enables the motors to resist the voltage spikes common with IGBT variable frequency drives.

What agency listings apply?
All EP motors in this product line are UL recognized, CSA certified and CE marked.

Can the motor be nameplated to operate at 50 hertz?
The motor can be nameplated and will operate at 50 hertz, but depending on the export destination, it may not meet that country's energy efficiency requirements. For areas requiring IE3 performance at 50 hertz, like Asia and Europe, other 50 hertz specific versions can be provided.

Is the selection procedure the same as previous gearmotors?
Similar, the difference is restricted to applications with a large number of across the line starts and stops. Because the EP motors have more inertia and higher inrush current than previous integral motors, a supplemental service factor is applied to these applications using EP motors. The selection procedure for fractional HP units is unchanged.

Are the brakes the same?
The brakes are the same direct acting, fast response types used previously. For motors 1 HP and above they are a new larger model that has been redesigned to match the new motor profiles. Because the EP motor inertia is significantly higher, it may be necessary to adjust external trigger points or limit switches. Since the brake assembly shapes are different, old and new parts are not interchangeable.

What is the standard insulation system?
The motors continue with the Class F system, which limits the temperature rise to a Class B rise, where it bounds the allowable temperature rise to 80°C. It utilizes an insulation system capable of handling a 105°C rise to significantly extend insulation life**.**

Are EP motors interchangeable with old AF-motors?
The new EP motors without brake have the same 10:1 constant torque speed range as the AF-motor. Motors are dimensionally and performance-wise different so VFD re-programming will be required. For EP brakemotor with use on VFDs, the applicable speed range may be limited. Please consult the factory for options for EP brakemotors.

Will old motors continue to be available?
EP motors will eventually replace the older IE1 motors (does not apply to fractional HP). 1HP+ Older motors do not meet the federally mandated efficiency requirements that went into effect on June 1, 2016. Non-compliant motors after that date cannot be manufactured or imported into the United States.

Should I be concerned if I am replacing an older motor with the new EP motor?
For most applications, the use of the new EP motor will result in a more efficient, cooler-running and energy-saving motor. However, for applications with certain performance constraints, you may need to review the impact of the following:

- larger dimension and weight
- larger moment of inertia
- higher starting current and torque.

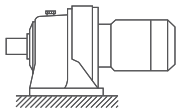
If taking an old IE1 motor off a gearmotor and replacing it with the same HP new EP motor, the EP motor will bolt to the old gearmotor. The motor flange diameters, pilot diameters, bolt patterns and shaft diameters all match. Motor body dimensions and weight will change.

Standard Motor Specifications

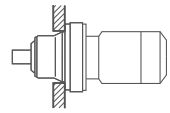
		Standard Specifications	Standard Specifications with Built-In Brake
3 Phase Integral Motor	Capacity Range:	1/8 ~ 75HP (0.1 ~ 55 kW), 4P	1 ~ 40HP (0.75 ~ 30 kW), 4P, FB Brake
	Power Supply:	Motor Power: 230/460V, 60Hz, 3Phase 575V, 60Hz, 3Phase	Brake Power: 1 ~ 15HP (0.75 ~ 11kW): 230/460V, 60Hz, 1Ph 575V, 60Hz, 1Ph 20 ~ 40HP (15 ~ 30kW): 200 ~ 240V, 60Hz, 1Ph 380 ~ 480V 60Hz, 1Ph 575V, 60Hz, 1Ph
	Motor Standard:	NEMA	NEMA
	Efficiency:	Premium Efficiency (IE3) (1 HP+)	Premium Efficiency (IE3) (1 HP+)
	Protection:	IP55	IP55 (1 ~ 15HP) IP54 (20 ~ 60HP)
	Certification:	CE Mark, UL Recognized, CSA Approval	CE Mark, UL Recognized, CSA Approval
	Conduit Box:	Diecast Aluminum, NPT Conduit Thread	Diecast Aluminum, NPT Conduit Thread
	Inverter Operation:	10:1 Constant Torque Speed Range Insulation Meets NEMA MG1, Part 31	4:1 Constant Torque Speed Range or better. Insulation Meets NEMA MG1, Part 31
	Capacity Range:	0.75 ~ 55 kW (1 ~ 75HP), 4P	0.75 ~ 30 kW (1 ~ 40HP), 4P, FB Brake 37 ~ 45 kW (50 ~ 60HP), 4P, ESB Brake
	Power Supply:	Motor Power: 0.75 ~ 4kW (1 ~ 6HP): 220/380V, 50Hz, 3Phase 230/400V, 50Hz, 3Phase 240/415V, 50Hz, 3Phase 5.5 ~ 55kW (1 ~ 75HP): 380V, 50Hz, 3Phase 400V, 50Hz, 3Phase 415V, 50Hz, 3Phase	Brake Power: 0.75 ~ 4kW (1 ~ 6HP): 220 ~ 380V, 50Hz, 1Ph 5.5 ~ 30kW (1 ~ 40HP): 380 ~ 415V, 50Hz, 1Ph 37 ~ 45kW (50 ~ 60HP): 200 ~ 220V, 50Hz, 1Ph
	Motor Standard:	IEC	IEC
	Efficiency:	IE3	IE3
	Protection:	IP55	IP44
	Certification:	CE Mark, UL Recognized	CE Mark
	Conduit Box:	0.75 ~ 37kW (1 ~ 50HP): Diecast Al, Metric Conduit Thread 45 ~ 55kW (60 ~ 75HP): Cast Iron, Metric Conduit Thread	Diecast Aluminum, Metric Conduit Thread
	Inverter Operation:	5:1 Constant Torque Speed Range or better. Insulation Meets NEMA MG1, Part 31	5:1 Constant Torque Speed Range or better. Insulation Meets NEMA MG1, Part 31
	Enclosure:	Totally Enclosed Fan Cooled Type	Totally Enclosed Fan Cooled Type
	Motor Type:	Induction Motor, Squirel Cage Rotor	Induction Motor, Squirel Cage Rotor
	Frame Material:	1/8 ~ 20HP (0.1 ~ 15kW), 4P: diecast Al 25HP ~ 75HP (18.5 ~ 55kW), 4P: cast iron	1 ~ 20HP (0.75 ~ 15kW), 4P: diecast Al 25HP ~ 60HP (18.5 ~ 45kW), 4P: cast iron
	Bearings:	Deep Groove, Ball Bearing, CM Clearance	Deep Groove, Ball Bearing, CM Clearance
	Insulation:	Class F	Motor: Class F Brake: Class F
	Time Rating:	Continuous	Continuous
Cyclo® 6000 Reducer	Reduction:	Involute crowned tooth prole for ratios 3:1 and 5:1, planetary arrangement. Internal planetary gear mechanism with trochoidal curved tooth prole for ratio 6:1 and higher.	
	Lubrication:	Grease or oil lubricated models available.	
	Seals:	Nitrile Material, dual lipped, double output seals available.	
	Material:	Rugged cast iron and ductile housings	
	Paint Color:	Blue, Munsell color number 6.5PB 3.6/8.2	
	Bearings:	Deep groove ball bearings, cylindrical roller or spherical roller bearings.	
	Note:	Listed ratings may be altered if models normally designed for oil lubrication are grease lubricated.	
Ambient Conditions	Installation Location:	Indoor (Minimal dust and humidity)	
	Ambient Temperature:	14° ~ 104° F (-10° ~ 40° C)	
	Ambient Humidity:	Under 85%	
	Elevation:	Under 3300 feet (1000 meters)	
	Atmosphere:	Well ventilated location, free of corrosive gases, explosive gases, vapors, and dust	

Housing Styles & Mounting Positions

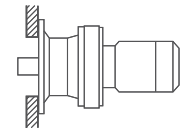
CHHM (CNHM)



CHFM (CNFM)



CHVM (CNVM)



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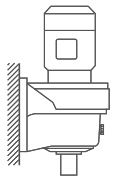

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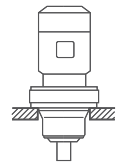

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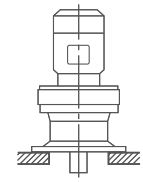
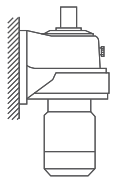
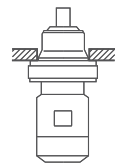


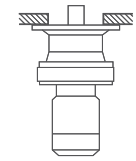
CWHM (CNHM)



CWFM (CNFM)

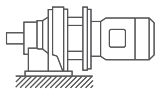


CWVM (CNVM)

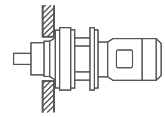


Input Side Hollow Shaft

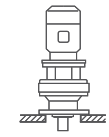
CHHXM (CNHXM)



CHFXM (CNFXM)

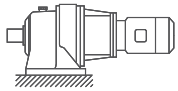


CVVXM (CNVXM)

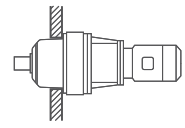


With Adaptor

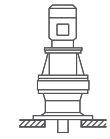
CHHJM (CNHJM)



CHFJM (CNFJM)

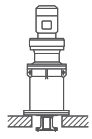


CVVJM (CNVJM)

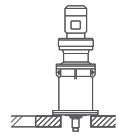


Vertical Special Base Mount

C14VM



C15VM



C17VM

C18VM

Optional Ratios

Standard Reduction Ratios

Single Reduction								
3*	5*	6	8	11	13	15	17	21
25	29	35	43	51	59	71	87	119
Double Reduction								
104 (13x8)	121 (11x11)	143 (13x11)	165 (15x11)	195 (15x13)	231 (21x11)	273 (21x13)	319 (29x11)	377 (29x13)
473 (43x11)	559 (43x13)	649 (59x11)	731 (43x17)	841 (29x29)	1003 (59x17)	1247 (43x29)	1479 (87x17)	1849 (43x43)
2065 (59x35)	2537 (59x43)	3045 (87x35)	3481 (59x59)	4437 (87x51)	5133 (87x59)	6177 (87x71)	7569 (87x87)	

* Note: Ratios 3 and 5 are planetary.

Optional Reduction Ratios

The following reduction ratios may also be available for certain specifications; please consult factory. The output shaft RPM listed in the table below represents coupling the reducer with a four-pole motor, 60 Hz, input speed 1750 RPM.

Reduction Ratio	**88 (11x8)**	**90 (15x6)**	**102 (17x6)**	**120 (15x8)**	**126 (21x6)**	**136 (17x8)**	**150 (25x6)**	**168 (21x8)**	**169 (13x13)**	**174 (29x6)**	**187 (17x11)**	**200 (25x8)**	**210 (35x6)**	**221 (17x13)**	**225 (15x15)**
Output Speed RPM	19.9	19.4	17.2	14.6	13.9	13.9	11.7	10.4	10.4	10.1	9.36	8.75	8.33	7.92	7.78
Reduction Ratio	**232 (29x8)**	**255 (17x15)**	**258 (43x6)**	**275 (25x11)**	**280 (35x8)**	**289 (17x17)**	**306 (51x6)**	**315 (21x15)**	**325 (25x13)**	**344 (43x8)**	**354 (59x6)**	**357 (21x17)**	**375 (25x15)**	**385 (35x11)**	**408 (51x8)**
Output Speed RPM	7.54	6.86	6.87	6.36	6.25	6.06	5.72	5.56	5.38	5.09	4.94	4.90	4.67	4.55	4.29
Reduction Ratio	**425 (25x17)**	**426 (71x6)**	**435 (29x15)**	**441 (21x21)**	**455 (35x13)**	**472 (59x8)**	**493 (29x17)**	**522 (87x6)**	**525 (35x15)**	**561 (51x11)**	**568 (71x8)**	**595 (35x17)**	**609 (29x21)**	**625 (25x25)**	**645 (43x15)**
Output Speed RPM	4.12	4.11	4.02	3.97	3.85	3.71	3.55	3.35	3.33	3.12	3.08	2.94	2.87	2.80	2.71
Reduction Ratio	**663 (51x13)**	**696 (87x8)**	**725 (29x25)**	**735 (35x21)**	**765 (51x15)**	**767 (59x13)**	**781 (71x11)**	**867 (51x17)**	**875 (35x25)**	**885 (59x15)**	**903 (43x21)**	**923 (71x13)**	**957 (87x11)**	**1015 (35x29)**	**1065 (71x15)**
Output Speed RPM	2.64	2.51	2.41	2.38	2.29	2.28	2.24	2.02	2.00	1.98	1.94	1.90	1.83	1.72	1.64
Reduction Ratio	**1071 (51x21)**	**1075 (43x25)**	**1131 (87x13)**	**1207 (71x17)**	**1225 (35x35)**	**1239 (59x21)**	**1275 (51x25)**	**1305 (87x15)**	**1475 (59x25)**	**1491 (71x21)**	**1505 (43x35)**	**1711 (59x29)**	**1775 (71x25)**	**1785 (51x35)**	**1827 (87x21)**
Output Speed RPM	1.63	1.63	1.55	1.45	1.43	1.41	1.37	1.34	1.19	1.17	1.16	1.02	0.99	0.98	0.96
Reduction Ratio	**2059 (71x29)**	**2175 (87x25)**	**2193 (51x43)**	**2485 (71x35)**	**2523 (87x29)**	**2601 (51x51)**	**3009 (59x51)**	**3053 (71x43)**	**3621 (71x51)**	**3741 (87x43)**	**4189 (71x59)**	**5041 (71x71)**			
Output Speed RPM	0.85	0.80	0.80	0.70	0.69	0.67	0.58	0.57	0.48	0.47	0.42	0.35			

All ratios listed include double reduction Cyclo® inputs. Consult factory for available frame sizes and ratings.

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2

How to Select

How to select a Gearmotor

Step 1: Collect data about your application

Before starting you need to know the:

- **Application (e.g. Conveyor, Mixer, etc.)**
- **Hours of Operation per day**
- **Motor Horsepower (HP) and Speed (RPM)**
- **Desired Output Speed**
- **Mounting Position and Style**
- **Overhung or Thrust Loads**
- **Shaft Dimensions, inch or metric**
- **Electrical Specifications**
- **Ambient Conditions**

Step 2: Select a Frame Size

2A: Find the Load Classification of your application in the AGMA Load Classification Tables on pages 2.4 and 2.5.

2B: Go to the Gearmotor Selection Table (starts on page 2.8) that corresponds to the desired Motor HP. Find the Output Speed closest to the desired output speed.

2C: Locate the Service Class in the Gearmotor Selection Table for your application and select the HP Symbol and Frame Size SELECTION that matches the HP, Output Speed, and Service Class.

Example page 2.3

Step 3: Select a Housing Style and Mounting Position

Select a housing style and mounting position from chart on page 1.8

Step 4: Verify Dimensions

Use the Dimensions information on pages 2.100 thru 2.189 to verify that the selected Frame Size is appropriate.

Step 5: Choose Options and Modifications

The following options may apply:

- **Specify Voltage** (Consult factory when application requires 575 Volt or CSA unit; dimensions may be different than those specfied in Section 4).
- **Inverter Duty**
- **Special Environments**
- **Special Paint**

For available options, please visit our Configurator at www.sumitomodrive.com/configurator

Note: If desired lubrication deviates from standard, please consult factory for new power ratings. Standard Lubrication can be found in Section 4 Technical Information.

Step 6: Configure a Model Number

Go to page 2.6 to configure a model number.

Note: You will use the information you gather from the procedure on this page to Configure a Model Number.

Select a Frame Size

- Housing Style & Mounting Position
- Motor HP
- Output Speed
- Service Class
- SELECTION Frame Size and HP

Gearmotors

Selection Tables

Frequency	Hz	50	60
Number of Poles	P	4	
Input Speed	RPM	1450	1750

1HP (0.75kW)

50Hz							60Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor		Solid Shaft Overhung Load		Base			VFD
	in-lbs	(N-m)	SF	AGMA Class	lbs	(N)		in-lbs	(N-m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
242	250	(28.2)	1.04	I	427	(1900)	292	206	(23.3)	1.04	I	482	(1736)	1	80B	6	∎
			1.53	II	636	(2840)				1.53	II	688	(2570)	1	80D	6	∎
			2.03	III	636	(2840)				2.03	III	688	(2570)	1	80B	6	∎
181	332	(37.5)	1.04	I	461	(2050)	219	275	(31.1)	1.04	I	494	(1936)	1	80B	8	∎
			1.53	II	710	(3160)				1.53	II	678	(2988)	1	80D	8	∎
			2.03	III	710	(3160)				2.03	III	678	(2988)	1	80B	8	∎
132	457	(51.4)	1.04	I	506	(2250)	159	379	(42.8)	1.04	I	479	(2130)	1	80B	11	∎
			1.53	II	751	(3340)				1.53	II	751	(2348)	1	80D	11	∎
			2.03	III	751	(3340)				2.03	III	751	(2348)	1	80B	11	∎
112	540	(61.0)	1.04	I	542	(2410)	135	447	(50.5)	1.04	I	513	(2280)	1	80B	13	∎
			1.53	II	751	(3340)				1.53	II	751	(2348)	1	80D	13	∎
			2.03	III	751	(3340)				2.03	III	751	(2348)	1	80B	13	∎
96.7	623	(70.4)	1.04	I	560	(2490)	117	516	(58.3)	1.04	I	528	(2350)	1	80B	15	∎
			1.53	II	751	(3340)				1.53	II	751	(2348)	1	80D	15	∎
			2.03	III	751	(3340)				2.03	III	751	(2348)	1	80B	15	∎

For special circumstances in selecting a **Frame Size** such as:

- Overhung Load
- Thrust Loads
- Radial Loads
- Shock Loading

Consult Technical Information, see section 4

If Overhung Load is present, any Overhung Load must be checked against the capacity of the selection.

Step 2A - AGMA Load Classifications: Gearmotors

Select Service factor by Method A or B or C:

Method A - Gearmotor Classification by LOAD

DURATION OF SERVICE	GEARMOTOR CLASS UNIFORM LOAD	MODERATE SHOCK LOAD	HEAVY SHOCK LOAD
Intermittent 3 hours per day	Class I	Class I	Class II
Up to 10 hours per day	Class I	Class II	Class III
24 hours per day	Class II	Class III	—

Class I = Steady loads not exceeding normal motor rating, 8 to 10 hours a day. Moderate shock loads where service is intermittent (AGMA Service Factor: 1.0).
Class II = Steady loads not exceeding normal motor rating and 24 hours a day service. Moderate shock loads for 8 hours a day (AGMA Service Factor: 1.4).
Class III = Moderate shock loads for 24 hours a day or heavy shock loads for 8 hours a day (AGMA Service Factor: 2.0)
Note: Selections without an AGMA Class designation are torque based selections generally used for intermittent service.

Method B - Recommended Service Factors for Frequent Start-Stop Applications for EP Motors

For frequent start-stop applications with motor operated across the line, use the table below to determine the recommended service factor, and check the Motor Thermal Rating (Table 4.30) in Section 4. For determination of moment of inertia, see page 4.30.

Number of start-stops (Times/hour)	~ 10 hours/day I	II	III	~24 hours/day I	II	III
~10	1	1.1	1.35	1.2	1.25	1.5
~200	1.1	1.3	1.5	1.25	1.5	1.65
~500	1.15	1.45	1.6	1.3	1.6	1.75
1	1	1.1	1.35	1.2	1.25	1.5
~3	1	1.2	1.45	1.2	1.35	1.55
~10	1	1.3	1.5	1.2	1.45	1.65
~60	1	1.4	1.6	1.2	1.65	1.8

Three-phase motors from 1/8 HP to 3/4 (0.1 to 0.55 kW)

Premium Efficiency three-phase motors 1HP to 75 HP (0.75 to 55 kW), high-efficiency three-phase motors from 1/4 HP to 1/2 HP (0.2 to 0.4 kW)

$$\text{Inertia (Moment of Inertia } WR^2\text{) Ratio} = \frac{\text{Total Moment of Inertia } (WR^2) \text{ as seen from motor shaft}}{\text{Moment of Inertia } (WR^2) \text{ of motor}}$$

I = Allowable Inertia (WR^2) Ratio: Inertia Ratio ≤ 0.3
II = Allowable Inertia (WR^2) Ratio: 0.3 < Inertia Ratio ≤ 3.0
III = Allowable Inertia (WR^2) Ratio: 3.0 < Inertia Ratio ≤ 10.0

Note: 1. The number of start-stops includes brake or clutch operation times.
2. Consult us when starting under loaded conditions such as torque or radial load.
3. Consult us when start-stop frequency or Moment of Inertia Ration exceeds that shown above.

Specification Inspection Items
- if there is a shoulder bolt or knockpin used on mating surface of reducer
- change in case material
- if using high frequency brake

Method C - Load Classification by INDUSTRY

Application	Class Up to 10 Hr. Per Day	Class 24 Hr. Per Day
Brewing & Distilling		
Bottling Machinery	I	II
Brew Kettles, Cont. Duty	–	II
Can Filling Machines	I	II
Cookers–Cont. Duty	–	II
Mash Tubs–Cont. Duty	–	II
Scale Hoppers–Frequent Starts	II	II
Clay Working Industry		
Brick Press	III	III
Briquette Machines	III	III
Clay Working Machinery	II	II
Pug Mills	II	II
Distilling (See Brewing)		
Dredges		
Cable Reels	II	–
Conveyors	II	II
Cutter Head Drives	III	III
Jig Drives	III	III
Maneuvering Winches	II	–
Pumps	II	II
Screen Drives	III	III
Stackers	II	II
Utility Winches	II	–
Food Industry		
Beet Slicers	II	II
Bottlings, Can Filling Mach.	I	II
Cereal Cookers	I	II
Dough Mixers	II	II
Meat Grinders	II	II
Lumber Industry		
Barkers–Spindle Feed	Consult Factory	
Barkers–Main Drive	Consult Factory	
Carriage Drive	Consult Factory	
Conveyors		
Burner	II	III
Main or Heavy Duty	II	III
Main Log	III	III
Re-Saw Merry-Go-Round	II	III
Slab	III	III
Transfer	II	III
Chains–Floor	II	III
Chains–Green	II	III
Cut-Off Saws–Chain	II	III
Cut-Off Saws–Drag	II	III
Debarking Drums	Consult Factory	
Feeds–Edger	II	III
Feeds–Gang	III	III
Feeds–Trimmer	II	III
Log Deck	III	III
Log Hauls–Incline, Well Type	III	III
Log Turning Devices	III	III
Planer Feed	II	III
Planer Tilting Hoists	II	III
Rolls–Live–Off Bearing–Roll Cases	III	III
Sorting Table	II	III
Tipple Hoist	II	III
Transfers–Chain	II	III
Transfers–Craneway	II	III
Tray Drives	II	III
Oil Industry		
Chillers	II	II
Oil Well Pumping	Consult Factory	
Paraffin Filter Press	II	II
Rotary Kilns	II	II
Paper Mills		
Agitators (Mixers)	II	II
Barker–Auxiliaries–Hyd.	Consult Factory	
Barker, Mechanical	Consult Factory	
Barking Drum	Consult Factory	
Beater & Pulper	–	II
Bleacher	–	II
Calenders	–	II
Calenders–Super	–	II
Converting Mach.–Except Cutters–Platers	–	II
Conveyors	–	II
Couch	–	II
Cutters, Platers	–	III
Cylinders	–	II
Dryers	–	II
Felt Stretchers	–	II
Felt Whippers	–	III
Jordans	–	II
Log Haul	–	III
Presses	–	II
Pulp Machine Reels	–	II
Stock Chests	–	II
Suction Rolls	–	II
Washers & Thickeners	–	II
Winders	–	II
Rubber Industry		
Mixer	III	III
Rubber Calender	II	II
Rubber Mill (2 or more)	II	II
Sheeter	II	II
Tire Building Machines	Consult Factory	
Tire, Tube Press Openers	Consult Factory	
Tubers & Stainers	II	II
Sewage Disposal		
Aerators	Consult Factory	
Bar Screens	I	II
Chemical Feeders	I	II
Collectors	I	II
Dewatering Screens	II	II
Grit Collectors	I	II
Scum Breakers	II	II
Slow or Rapid Mixers	II	II
Sludge Collectors	I	II
Thickeners	II	II
Vacuum Filters	II	II
Textile Industry		
Batchers	II	II
Calenders	II	II
Card Machines	II	II
Cloth Finishing Machines (Calenders, Dryers, Pads, Tenters, Washers)	II	II
Dry Cans	II	II
Dyeing Machinery	II	II
Knitting Machinery	Consult Factory	
Looms, Mangles, Nappers	II	II
Range Drives	Consult Factory	
Soapers, Spinners	II	II
Tenter Frames	II	II
Winders	II	II
Yarn Preparatory Machinery (Cards, Spinners, Slashers)	II	II

...table continued on next page.

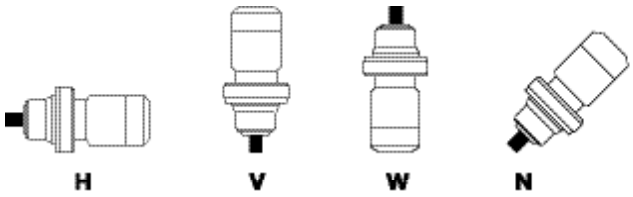
Method C continued - Load Classification by APPLICATION

Application	Class: Up to 10 Hr. Per Day	Class: 24 Hr. Per Day
Agitators		
Pure Liquids	I	II
Liquids and Solids	II	II
Liquids – Variable Density	II	II
Semi-liquids – Variable Density	II	II
Blowers		
Centrifugal	I	II
Lobe	II	II
Vane	I	II
Brewing and Distilling		
Bottling Machinery	I	II
Brew Kettles – Continuous Duty	–	II
Cookers – Continuous Duty	–	II
Mash Tubs – Continuous Duty	–	II
Scale Hopper Frequent Starts	II	II
Can Filling Machines	I	II
Cane Knives	II	II
Car Dumpers	III	–
Car Pullers – Intermittent Duty	I	–
Clarifiers	I	II
Classifiers	II	II
Clay Working Machinery		
Brick Press	III	III
Briquette Machine	III	III
Clay Working Machinery	II	II
Pug Mill	II	II
Compressors		
Centrifugal	I	II
Lobe	II	II
Reciprocating Multi-Cylinder	II	II
Single Cylinder	III	III
Conveyors – Uniformly Loaded or Fed		
Apron	I	II
Assembly	I	II
Belt	I	II
Bucket	I	II
Chain	I	II
Flight	I	II
Oven	I	II
Screw	I	II
Conveyors – Heavy Duty Not Uniformly Fed		
Apron	II	II
Assembly	II	II
Belt	II	II
Bucket	II	II
Chain	II	II
Flight	II	II
Live Roll (Package)	I	II
Oven	II	II
Reciprocating	III	III
Screw	II	II
Shaker	III	III
Cranes and Hoists		
Main Hoists	III	III
Heavy Duty	III	III
Medium Duty	II	II
Reversing	II	II
Skip Hoists	II	II
Trolley Drive	II	II
Bridge Drive	II	II
Crushers		
Ore	III	III
Stone	III	III
Dredges		
Cable Reels	II	–
Conveyors	II	II
Cutter Head Drives	III	III
Jig Drives	III	III
Maneuvering Winches	II	–
Pumps	II	II
Screen Drive	III	III
Stackers	II	II
Utility Winches	II	–
Elevators		
Bucket – Uniform Load	I	II
Bucket – Heavy Load	II	II
Bucket – Continous	I	II
Centrifugal Discharge	I	II
Escalators	I	II
Freight	I	II
Gravity Discharge	I	II
Man Lifts	Consult Factory	
Passenger Service – Hand Lift	III	–
Fans		
Centrifugal	II	II
Cooling Towers		
Induced Draft	II	II
Forced Draft	Consult Factory	
Induced Draft	II	II
Large (Mine, etc.)	II	II
Large Industrial	II	II
Light (Small Diameter)	I	II
Feeders		
Apron	II	II
Belt	II	II
Disc	I	II
Reciprocating	III	III
Screw	II	II
Food Industry		
Beet Slicer	II	II
Cereal Cooker	I	II
Dough Mixer	II	II
Meat Grinders	II	II
Generators – (Not Welding)	I	II
Hammer Mills	III	III
Laundry Washers		
Reversing	II	II
Laundry Tumblers	II	II
Line Shafts		
Heavy Shock Load	III	III
Moderate Shock Load	II	II
Uniform Load	I	II
Lumber Industry		
Barkers – Spindle Feed	Consult Factory	
Barkers – Main Drive	Consult Factory	
Carriage Drive	Consult Factory	
Conveyors – Burner	II	III
Conveyors – Main or Heavy Duty	II	III
Conveyors – Main Log	III	III
Conveyors – Merry-Go-Round	II	III
Conveyors – Slab	III	III
Conveyors – Transfer	II	III
Conveyors – Waste	II	II
Chains – Floor	II	III
Chains – Green	II	III
Cut-Off Saws – Chain	II	III
Cut-Off Saws – Drag	II	III
Debarking Drums	Consult Factory	
Feeds – Edger	II	III
Feeds – Gang	III	III
Feeds – Trimmer	II	III
Log Deck	III	III
Log Hauls – Incline Well Type	III	III
Log Turning Devices	III	III
Planer Feed	II	III
Planer Tilting Hoists	II	III
Rolls – Live – Off Brg. – Roll Cases	III	III
Sorting Table	II	III
Tipple Hoist	II	III
Transfers – Chain	II	III
Transfers – Craneway	II	III
Tray Drives	II	III
Veneer Lathe Drives	Consult Factory	
Machine Tools		
Bending Roll	II	II
Notching Press – Belt Driven	Consult Factory	
Plate Planer	III	III
Punch Press – Gear Driven	III	III
Tapping Machines	III	III
Other Machine Tools Main Drives	II	II
Auxiliary Drives	I	II
Metal Mills		
Bridle Roll Drives	III	III
Draw Bench – Carriage	III	III
Draw Bench – Main Drive	III	III
Forming Machines	III	III
Pinch Dryer & Scrubber Rolls, Reversing	Consult Factory	
Slitters	II	II
Table Conveyors Non-Reversing	II	III
Reversing	–	III
Winding Reels – Strip	–	III
Wire Drawing & Flattening Machine	II	III
Wire Winding Machine	II	II
Mills, Rotary Type		
Ball	III	III
Cement Kilns		
Dryers & Coolers	II	II
Kilns	II	II
Pebble	III	III
Rod	III	III
Tumbling Barrels	III	III
Mixers		
Concrete Mixers, Continuous	II	II
Concrete Mixers, Intermittent	I	–
Constant Density	I	II
Variable Density	II	II
Oil Industry		
Chillers	II	II
Oil Well Pumping	Consult Factory	
Paraffin Filter Press	II	II
Rotary Kilns	II	II
Paper Mills		
Aerators	Consult Factory	
Agitators (Mixers)	II	II
Barker Auxiliaries, Hydraulic	Consult Factory	
Barker, Mechanical	Consult Factory	
Barking Drum	Consult Factory	
Beater & Pulper	–	II
Bleacher	–	II
Calenders	–	II
Calenders – Super	–	II
Converting Machines, except Cutters, Platers	–	II
Conveyors	–	II
Conveyors, Log	–	III
Couch	–	II
Cutters, Platers	–	III
Cylinders	–	II
Dryers	–	II
Felt Stretcher	–	II
Felt Whipper	–	III
Jordans	–	II
Presses	–	II
Pulp Machines, Reel	–	II
Stock Chests	–	II
Suction Roll	–	II
Washers and Thickeners	–	II
Winders	–	II
Printing Presses	I	II
Pullers		
Barge Haul	III	III
Pumps		
Centrifugal	I	II
Proportioning Reciprocating	II	II
Single Acting 3 or more Cylinders	II	II
Double Acting 2 or more Cylinders	II	II
Single Acting 1 or 2 Cylinders	Consult Factory	
Double Acting Single Cylinder	Consult Factory	
Rotary – Gear Type	I	II
– Lobe, Vane	I	II
Rubber Industry		
Mixer	III	III
Rubber Calender	II	II
Rubber Mill (2 or more)	II	II
Sheeter	II	II
Tire Building Machines		
Tire & Tube Press Openers		
Tubers & Strainers	II	II
Sewage Disposal		
Equipment Aerators	Consult Factory	
Bar Screens	I	II
Chemical Feeders	I	II
Collectors, Circuline or Straightline	I	II
Dewatering Screens	II	II
Grit Collectors	I	II
Scum Breakers	II	II
Slow or Rapid Mixers	II	II
Sludge Collectors	I	II
Thickeners	II	II
Vacuum Filters	II	II
Screens		
Air Washing	I	II
Rotary – Stone or Gravel	II	II
Traveling Water Intake	I	II
Slab Pushers	II	II
Steering Gear	II	II
Stokers	I	II
Textile Industry		
Batchers	II	II
Calenders	II	II
Card Machines	II	II
Cloth Finishing Machines (Washers, Pads, Tenters) (Dryers, Calenders, etc.)	II	II
Dry Cans	II	II
Dryers	II	II
Dyeing Machinery	II	II
Knitting Machines (Looms, etc.)	Consult Factory	
Looms	II	II
Mangles	II	II
Nappers	II	II
Pads	II	II
Range Drives	Consult Factory	
Slashers	II	II
Soapers	II	II
Spihnners	II	II
Teneter Frames	II	II
Washers	II	II
Winders (Other than Batchers) Yarn Preparatory Machines (Cards, Spinners, Slashers, etc.)	II	II
Windlass	II	II

Configure a Model Number

Output Shaft Orientation

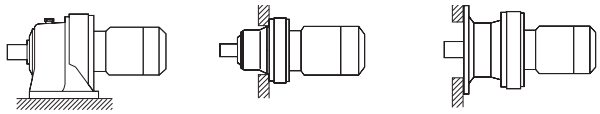
Type	Code
Horizontal [1]	H
Vertical [1]	V
Vertical Up [1]	W
Universal Direction [2]	N



Notes:
[1] H, V, W, units cannot change orientation in the field.
[2]: Universal Direction (**N**) units are maintenance-free greased.

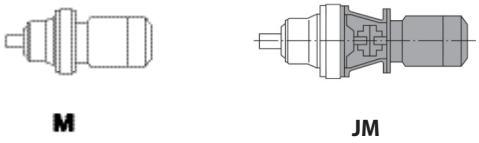
Housing Style

Type	Code
Foot	H
Flange	F
V-Flange	V



Type of Input

Motor Connection	Code
Integral Gearmotor	M
C-Face Adaptor	JM
Hollow Input Shaft	XM



Modification (Special)

	Code
Special	S
Standard	–

Motor Capacity

4P	HP	1/8	1/4	1/3	1/2	3/4	1	1.5	2	3	4	5	7.5	10	15	20	25	30	40	50	60	75
	Symbol	01	02	03	05	08	1	1H	2	3	4	5	8	10	15	20	25	30	40	50	60	75
															EP							

Note: For standard fractional motors (non inverter duty), no specification code suffix is required.

Shaft Specification

Shaft	Code
Metric JIS	-
Inch	**Y**
AGMA I	**YA**
AGMA II	**YB**
AGMA III	**YC**
Standard Metric DIN "G" (up to size 6125)	**G**
Optional Metric DIN "E" (up to size 6145)	**E**

Brake

	Code
With Brake	**B**
No Brake	

Frame Size (from Selection Tables)

C H H M | **10** - **6165** | **YB** - **EP** - [ ] - **29**

- **C H H M**
  - C = Ratios 6:1 and greater (Cyclo Gearmotor product code)
    P = Ratios 3:1 and 5:1 (Cyclo 6000 planetary product code)
  - Output shaft orientation
  - Mounting style
  - Input connection
  - Modification (Special feature)
- **10 - 6165**: Frame size
- **YB**: Shaft specification
- **EP**: Gearmotor Specification
- [ ]: Brake
- **29**: Ratio

Example:

CHHM10 – 6165YB – EP – 29

C – Cyclo 6000
H – Horizontal O/P
H – Foot Mount
M – Gearmotor

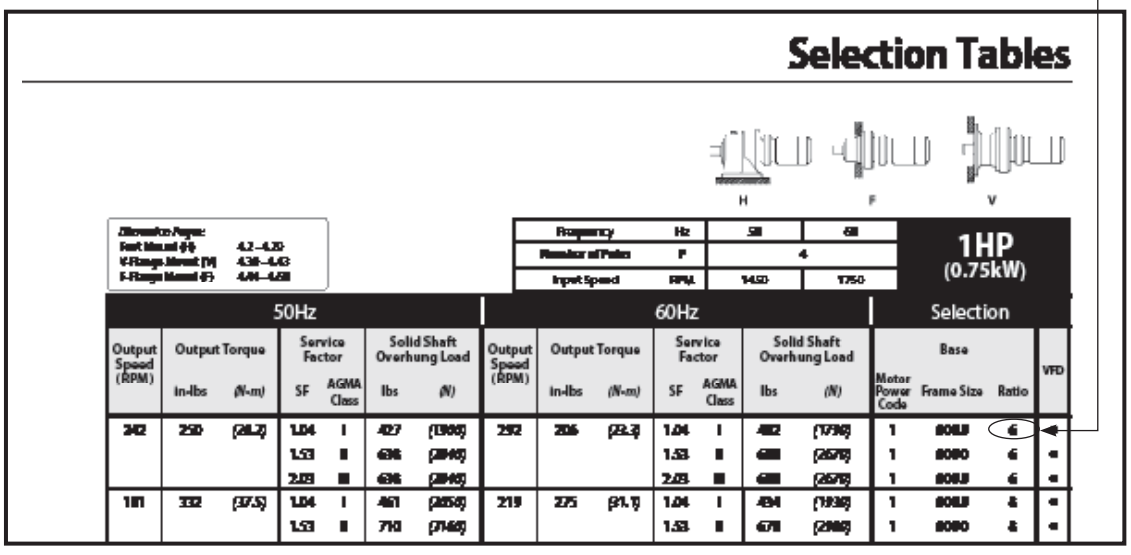
6165 – Frame Size
YB – Inch Shaft, AGMA Class II
EP - Three Phase Motor Premium Efficiency
29 – Ratio

Specification Codes

Type		Suffix
AF Motor (Inverter Duty, 1/8 HP to 3/4 HP)		**AV**
Three-Phase Motor Premium Efficiency (1+ HP), IE3		**EP**
High Capacity Bearing, page 4.4		**R1**
High Capacity Bearings + Ductile Casing, page 4.5		**R2**
*DC Motor		**DV**
*CHH Type	Oil Sight Mount Ceiling	**H1**
	Oil Sight Mount Left Wall	**H2**
	Oil Sight Mount Right Wall	**H3**
*Low Backlash		**LB**
*Single Phase Motor		**SG**
*Servo Motor		**SV**
*Torque Limiter		**TL**

*For technical information please contact customer service.
Note: When there are multiple suffices, sequence them alphabetically. Ex.: EPTL

Nominal Ratio



Constant Torque Speed Ranges

Fractional HP Motors - 60 Hz				
Motor Power	**Standard Motor**		**AF Motor**	
(4 - Pole)	**W/o Brake**	**With Brake**	**W/o Brake**	**With Brake**
1/8 HP (0.1 kW)	2:1	2:1	10:1	10:1
1/4 HP (0.2 kW)	2:1	2:1	10:1	10:1
1/3 HP (0.25 kW)	2:1	2:1	10:1	10:1
1/2 HP (0.4 kW)	2:1	2:1	10:1	10:1
3/4 HP (0.55 kW)	2:1	2:1	10:1	10:1

Premium Efficiency Integral HP Motors - 60 Hz			
Motor Power	**Standard Motor**		**Oversize Motor[1]**
(4 - Pole)	**W/o Brake**	**With Brake**	**With Brake**
1 HP (0.75 kW)	10:1	10:1	Not Available
1.5 HP (1.1 kW)	10:1	5:1	10:1
2 HP (1.5 kW)	10:1	4:1	10:1
3 HP (2.2 kW)	10:1	4:1	10:1
5 HP (3.7 kW)	10:1	4:1	10:1
7.5 HP (5.5 kW)	10:1	4:1	10:1
10 HP (7.5 kW)	10:1	6:1	10:1
15 HP (11 kW)	10:1	6:1	10:1
20 HP (15 kW)	10:1	10:1	Not Availabe
25 HP (18.5 kW)	10:1	10:1	
30 HP (22 kW)	10:1	10:1	
40 HP (30 kW)	10:1	10:1	
50 HP (37 kW)	10:1	10:1	
60 HP (45 kW)	10:1	10:1	
75 HP (55 kW)	10:1	10:1	

[1]For motor selection considerations for inverter (VFD) operation please refer to pages 4.39 and 4.40.

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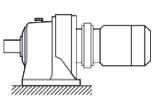
Selection Tables

1/8 HP
0.1 kW



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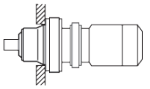

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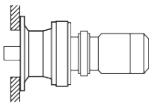


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
242	33	(3.75)	2.00	III	181	(804)	292	28	(3.11)	2.00	III	170	(756)	01	**6060**	6	AV
			2.86	III	181	(804)				2.86	III	170	(756)	01	**6065**	6	AV
181	44	(5.01)	2.00	III	207	(921)	219	37	(4.15)	2.00	III	195	(866)	01	**6060**	8	AV
			2.86	III	207	(921)				2.86	III	195	(866)	01	**6065**	8	AV
132	61	(6.88)	2.00	III	265	(1180)	159	51	(5.70)	2.00	III	265	(1180)	01	**6060**	11	AV
			2.86	III	265	(1180)				2.86	III	265	(1180)	01	**6065**	11	AV
112	72	(8.13)	2.00	III	265	(1180)	135	60	(6.74)	2.00	III	265	(1180)	01	**6060**	13	AV
			2.86	III	265	(1180)				2.86	III	265	(1180)	01	**6065**	13	AV
96.7	83	(9.39)	2.00	III	265	(1180)	117	69	(7.78)	2.00	III	265	(1180)	01	**6060**	15	AV
			2.86	III	265	(1180)				2.86	III	265	(1180)	01	**6065**	15	AV
85.3	94	(10.6)	2.00	III	265	(1180)	103	78	(8.81)	2.00	III	265	(1180)	01	**6060**	17	AV
			2.82	III	265	(1180)				2.86	III	265	(1180)	01	**6065**	17	AV
69.0	116	(13.1)	1.83	III	265	(1180)	83.3	96	(10.9)	2.00	III	265	(1180)	01	**6060**	21	AV
			2.28	III	265	(1180)				2.34	III	265	(1180)	01	**6065**	21	AV
58.0	138	(15.6)	1.10	I	265	(1180)	70.0	115	(13.0)	1.10	I	265	(1180)	01	**6060**	25	AV
			1.66	III	265	(1180)				1.66	III	265	(1180)	01	**6065**	25	AV
			2.30	III	398	(1770)				2.30	III	398	(1770)	01	**6070**	25	AV
			2.94	III	398	(1770)				2.94	III	398	(1770)	01	**6075**	25	AV
50.0	161	(18.1)	1.10	I	265	(1180)	60.3	133	(15.0)	1.10	I	265	(1180)	01	**6060**	29	AV
			1.65	III	265	(1180)				1.66	III	265	(1180)	01	**6065**	29	AV
			2.26	III	398	(1770)				2.26	III	398	(1770)	01	**6070**	29	AV
			2.86	III	398	(1770)				2.86	III	398	(1770)	01	**6075**	29	AV
41.4	194	(21.9)	1.10	I	265	(1180)	50.0	161	(18.1)	1.10	I	265	(1180)	01	**6060**	35	AV
			1.37	II	265	(1180)				1.43	II	265	(1180)	01	**6065**	35	AV
			2.05	III	398	(1770)				2.11	III	398	(1770)	01	**6070**	35	AV
			2.72	III	398	(1770)				2.79	III	398	(1770)	01	**6075**	35	AV
			2.90	III	576	(2560)				3.29	III	576	(2560)	01	**6080**	35	AV
33.7	238	(26.9)	1.12	I	265	(1180)	40.7	197	(22.3)	1.13	I	265	(1180)	01	**6065**	43	AV
			1.67	III	398	(1770)				1.70	III	398	(1770)	01	**6070**	43	AV
			2.23	III	398	(1770)				2.26	III	398	(1770)	01	**6075**	43	AV
			2.50	III	576	(2560)				2.50	III	576	(2560)	01	**6080**	43	AV
			2.94	III	576	(2560)				2.94	III	576	(2560)	01	**6085**	43	AV
28.4	282	(31.9)	1.00	I	398	(1770)	34.3	234	(26.4)	1.00	I	398	(1770)	01	**6070**	51	AV
			1.43	II	398	(1770)				1.43	II	398	(1770)	01	**6075**	51	AV
			1.92	III	576	(2560)				1.92	III	576	(2560)	01	**6080**	51	AV
			2.41	III	576	(2560)				2.41	III	576	(2560)	01	**6085**	51	AV

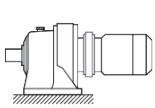
Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:
AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/8 HP
0.1 kW



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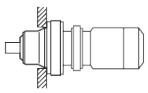

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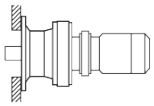


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
24.6	327	(36.9)	1.00	I	398	(1770)	29.7	271	(30.6)	1.00	I	398	(1770)	01	**6070**	59	AV
			1.36	II	398	(1770)				1.36	II	398	(1770)	01	**6075**	59	AV
			1.85	III	576	(2560)				1.85	III	576	(2560)	01	**6080**	59	AV
			2.34	III	576	(2560)				2.34	III	576	(2560)	01	**6085**	59	AV
20.4	393	(44.4)	1.20	I	576	(2560)	24.6	326	(36.8)	1.20	I	576	(2560)	01	**6080**	71	AV
			1.65	III	576	(2560)				1.87	III	576	(2560)	01	**6085**	71	AV
			2.52	III	751	(3340)				2.52	III	751	(3340)	01	**6090**	71	AV
			2.78	III	751	(3340)				3.01	III	751	(3340)	01	**6095**	71	AV
16.7	482	(54.4)	1.21	I	576	(2560)	20.1	399	(45.1)	1.21	I	576	(2560)	01	**6085**	87	AV
			2.11	III	751	(3340)				2.11	III	751	(3340)	01	**6090**	87	AV
			2.63	III	751	(3340)				3.01	III	751	(3340)	01	**6095**	87	AV
13.9	546	(61.6)	*	-	265	(1180)	16.8	452	(51.1)	*	-	75	(336)	01	**6060DA**	104	AV
			*	-	265	(1180)				*	-	75	(336)	01	**6065DA**	104	AV
			*	-	398	(1770)				*	-	398	(1770)	01	**6070DA**	104	AV
			*	-	398	(1770)				1.17	I	398	(1770)	01	**6075DA**	104	AV
			2.43	III	751	(3340)				2.94	III	751	(3340)	01	**6090DA**	104	AV
			2.93	III	751	(3340)				3.54	III	751	(3340)	01	**6095DA**	104	AV
12.2	659	(74.5)	1.25	I	751	(3340)	14.7	546	(61.7)	1.25	I	751	(3340)	01	**6090**	119	AV
			1.45	II	751	(3340)				1.51	II	751	(3340)	01	**6095**	119	AV
12.0	635	(71.7)	*	-	265	(1180)	14.5	526	(59.4)	*	-	265	(1180)	01	**6060DA**	121	AV
			*	-	265	(1180)				*	-	265	(1180)	01	**6065DA**	121	AV
			*	-	398	(1770)				*	-	398	(1770)	01	**6070DA**	121	AV
			*	-	398	(1770)				*	-	398	(1770)	01	**6075DA**	121	AV
			2.09	III	751	(3340)				2.52	III	751	(3340)	01	**6090DA**	121	AV
			2.24	III	751	(3340)				2.70	III	751	(3340)	01	**6095DA**	121	AV
10.1	750	(84.8)	*	-	265	(1180)	12.2	622	(70.2)	*	-	265	(1180)	01	**6060DA**	143	AV
			*	-	265	(1180)				*	-	265	(1180)	01	**6065DA**	143	AV
			*	-	266	(1190)				*	-	398	(1770)	01	**6070DA**	143	AV
			*	-	266	(1190)				*	-	398	(1770)	01	**6075DA**	143	AV
			1.77	III	751	(3340)				2.14	III	751	(3340)	01	**6090DA**	143	AV
			2.16	III	751	(3340)				2.61	III	751	(3340)	01	**6095DA**	143	AV
			2.95	III	1210	(5400)				3.56	III	1210	(5400)	01	**6100DA**	143	AV
8.79	866	(97.8)	*	-	265	(1180)	10.6	717	(81.0)	*	-	265	(1180)	01	**6060DA**	165	AV
			*	-	265	(1180)				*	-	265	(1180)	01	**6065DA**	165	AV
			*	-	398	(1770)				*	-	311	(1380)	01	**6070DA**	165	AV
			*	-	398	(1770)				*	-	311	(1380)	01	**6075DA**	165	AV
			1.53	II	751	(3340)				1.85	III	751	(3340)	01	**6090DA**	165	AV
			2.04	III	751	(3340)				2.47	III	751	(3340)	01	**6095DA**	165	AV
			2.56	III	1210	(5400)				3.08	III	1210	(5400)	01	**6100DA**	165	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

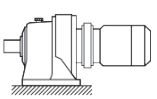
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/8 HP
0.1 kW



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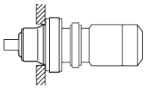

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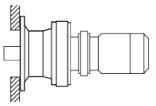


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
7.44	1020	(116)	*	-	265	(1180)	8.97	848	(95.8)	*	-	265	(1180)	01	**6060DA**	195	AV
			*	-	265	(1180)				*	-	265	(1180)	01	**6065DA**	195	AV
			*	-	398	(1770)				*	-	398	(1770)	01	**6070DA**	195	AV
			*	-	398	(1770)				*	-	398	(1770)	01	**6075DA**	195	AV
			1.30	II	751	(3340)				1.57	II	751	(3340)	01	**6090DA**	195	AV
			1.73	III	751	(3340)				2.09	III	751	(3340)	01	**6095DA**	195	AV
			2.16	III	1210	(5400)				2.61	III	1210	(5400)	01	**6100DA**	195	AV
			2.60	III	1210	(5400)				3.13	III	1210	(5400)	01	**6105DA**	195	AV
6.28	1210	(137)	*	-	265	(1180)	7.58	1000	(113)	*	-	265	(1180)	01	**6060DA**	231	AV
			*	-	265	(1180)				*	-	265	(1180)	01	**6065DA**	231	AV
			*	-	398	(1770)				*	-	398	(1770)	01	**6070DA**	231	AV
			*	-	398	(1770)				*	-	398	(1770)	01	**6075DA**	231	AV
			1.10	I	751	(3340)				1.32	II	751	(3340)	01	**6090DA**	231	AV
			1.46	II	751	(3340)				1.76	III	751	(3340)	01	**6095DA**	231	AV
			1.83	III	1210	(5400)				2.20	III	1210	(5400)	01	**6100DA**	231	AV
			2.19	III	1210	(5400)				2.64	III	1210	(5400)	01	**6105DA**	231	AV
5.31	1430	(162)	*	-	265	(1180)	6.41	1190	(134)	*	-	265	(1180)	01	**6060DA**	273	AV
			*	-	265	(1180)				*	-	265	(1180)	01	**6065DA**	273	AV
			*	-	398	(1770)				*	-	398	(1770)	01	**6070DA**	273	AV
			*	-	398	(1770)				*	-	398	(1770)	01	**6075DA**	273	AV
			1.24	I	751	(3340)				1.49	II	751	(3340)	01	**6095DA**	273	AV
			1.54	II	1210	(5400)				1.86	III	1210	(5400)	01	**6100DA**	273	AV
			1.85	III	1210	(5400)				2.24	III	1210	(5400)	01	**6105DA**	273	AV
4.55	1670	(189)	*	-	265	(1180)	5.49	1390	(157)	*	-	265	(1180)	01	**6060DA**	319	AV
			*	-	265	(1180)				*	-	265	(1180)	01	**6065DA**	319	AV
			*	-	398	(1770)				*	-	398	(1770)	01	**6070DA**	319	AV
			*	-	398	(1770)				*	-	398	(1770)	01	**6075DA**	319	AV
			*	-	723	(3220)				*	-	737	(3280)	01	**6090DA**	319	AV
			1.06	I	723	(3220)				1.28	I	737	(3280)	01	**6095DA**	319	AV
			1.32	II	1210	(5400)				1.60	III	1210	(5400)	01	**6100DA**	319	AV
			1.59	II	1210	(5400)				1.91	III	1210	(5400)	01	**6105DA**	319	AV
			2.75	III	2210	(9810)				3.32	III	2210	(9810)	01	**6120DB**	319	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

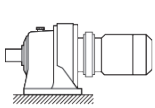
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/8 HP
0.1 kW



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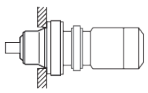

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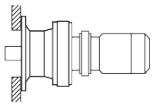


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
3.85	1980	(223)	*	-	265	(1180)	4.64	1640	(185)	*	-	265	(1180)	01	**6060DA**	377	AV
			*	-	265	(1180)				*	-	265	(1180)	01	**6065DA**	377	AV
			*	-	398	(1770)				*	-	398	(1770)	01	**6070DA**	377	AV
			*	-	398	(1770)				*	-	398	(1770)	01	**6075DA**	377	AV
			*	-	708	(3150)				*	-	725	(3230)	01	**6090DA**	377	AV
			*	-	708	(3150)				1.08	I	725	(3230)	01	**6095DA**	377	AV
			1.12	I	1210	(5400)				1.35	II	1210	(5400)	01	**6100DA**	377	AV
			1.34	II	1210	(5400)				1.62	III	1210	(5400)	01	**6105DA**	377	AV
			2.33	III	2210	(9810)				2.81	III	2210	(9810)	01	**6120DB**	377	AV
			2.82	III	2210	(9810)				3.40	III	2210	(9810)	01	**6125DB**	377	AV
3.07	2480	(280)	*	-	265	(1180)	3.70	2060	(232)	*	-	265	(1180)	01	**6060DA**	473	AV
			*	-	265	(1180)				*	-	265	(1180)	01	**6065DA**	473	AV
			*	-	358	(1590)				*	-	359	(1600)	01	**6070DA**	473	AV
			*	-	358	(1590)				*	-	359	(1600)	01	**6075DA**	473	AV
			*	-	684	(3040)				*	-	708	(3150)	01	**6090DA**	473	AV
			*	-	684	(3040)				*	-	708	(3150)	01	**6095DA**	473	AV
			1.07	I	1210	(5400)				1.29	I	1210	(5400)	01	**6105DA**	473	AV
			1.87	III	2210	(9810)				2.26	III	2210	(9810)	01	**6120DB**	473	AV
			2.25	III	2210	(9810)				2.71	III	2210	(9810)	01	**6125DB**	473	AV
2.59	2930	(331)	*	-	265	(1180)	3.13	2430	(275)	*	-	265	(1180)	01	**6065DA**	559	AV
			*	-	357	(1590)				*	-	358	(1590)	01	**6070DA**	559	AV
			*	-	357	(1590)				*	-	358	(1590)	01	**6075DA**	559	AV
			*	-	656	(2920)				*	-	687	(3060)	01	**6090DA**	559	AV
			*	-	656	(2920)				*	-	687	(3060)	01	**6095DA**	559	AV
			*	-	984	(4380)				*	-	1210	(5400)	01	**6100DA**	559	AV
			*	-	984	(4380)				1.09	I	1210	(5400)	01	**6105DA**	559	AV
			1.58	II	2210	(9810)				1.91	III	2210	(9810)	01	**6120DB**	559	AV
			1.90	III	2210	(9810)				2.29	III	2210	(9810)	01	**6125DB**	559	AV
2.23	3400	(385)	*	-	332	(1470)	2.70	2820	(319)	*	-	332	(1480)	01	**6070DA**	649	AV
			*	-	332	(1470)				*	-	332	(1480)	01	**6075DA**	649	AV
			*	-	436	(1940)				*	-	662	(2950)	01	**6090DA**	649	AV
			*	-	506	(2250)				*	-	986	(4390)	01	**6100DA**	649	AV
			*	-	506	(2250)				*	-	986	(4390)	01	**6105DA**	649	AV
			1.36	II	2210	(9810)				1.65	III	2210	(9810)	01	**6120DB**	649	AV
			1.64	III	2210	(9810)				1.98	III	2210	(9810)	01	**6125DB**	649	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

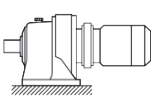
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/8 HP
0.1 kW



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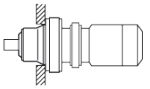

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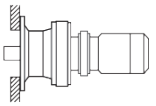

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
1.98	3840	*(433)*	*	-	265	*(1180)*	2.39	3180	*(359)*	*	-	265	*(1180)*	01	**6060DA**	731	AV
			*	-	265	*(1180)*				*	-	265	*(1180)*	01	**6065DA**	731	AV
			*	-	354	*(1570)*				*	-	356	*(1580)*	01	**6070DA**	731	AV
			*	-	354	*(1570)*				*	-	356	*(1580)*	01	**6075DA**	731	AV
			*	-	434	*(1930)*				*	-	487	*(2170)*	01	**6090DA**	731	AV
			*	-	434	*(1930)*				*	-	487	*(2170)*	01	**6095DA**	731	AV
			*	-	558	*(2480)*				*	-	627	*(2790)*	01	**6100DA**	731	AV
			*	-	558	*(2480)*				*	-	627	*(2790)*	01	**6105DA**	731	AV
			1.21	I	2210	*(9810)*				1.46	II	2210	*(9810)*	01	**6120DB**	731	AV
			1.45	II	2210	*(9810)*				1.75	III	2210	*(9810)*	01	**6125DB**	731	AV
1.72	4410	*(499)*	*	-	265	*(1180)*	2.08	3660	*(413)*	*	-	265	*(1180)*	01	**6060DA**	841	AV
			*	-	265	*(1180)*				*	-	265	*(1180)*	01	**6065DA**	841	AV
			*	-	384	*(1710)*				*	-	392	*(1740)*	01	**6070DA**	841	AV
			*	-	384	*(1710)*				*	-	392	*(1740)*	01	**6075DA**	841	AV
			*	-	420	*(1870)*				*	-	425	*(1890)*	01	**6090DA**	841	AV
			*	-	420	*(1870)*				*	-	425	*(1890)*	01	**6095DA**	841	AV
			*	-	623	*(2770)*				*	-	629	*(2800)*	01	**6100DA**	841	AV
			*	-	623	*(2770)*				*	-	629	*(2800)*	01	**6105DA**	841	AV
			1.04	I	2210	*(9810)*				1.26	I	2210	*(9810)*	01	**6120DB**	841	AV
			1.26	I	2210	*(9810)*				1.53	II	2210	*(9810)*	01	**6125DB**	841	AV
1.45	5260	*(595)*	*	-	327	*(1460)*	1.74	4360	*(493)*	*	-	330	*(1470)*	01	**6070DA**	1003	AV
			*	-	327	*(1460)*				*	-	330	*(1470)*	01	**6075DA**	1003	AV
			*	-	431	*(1920)*				*	-	433	*(1930)*	01	**6090DA**	1003	AV
			*	-	499	*(2220)*				*	-	502	*(2230)*	01	**6100DA**	1003	AV
			*	-	499	*(2220)*				*	-	502	*(2230)*	01	**6105DA**	1003	AV
			1.06	I	2210	*(9810)*				1.28	I	2210	*(9810)*	01	**6125DB**	1003	AV
1.16	6540	*(739)*	*	-	265	*(1180)*	1.40	5420	*(612)*	*	-	265	*(1180)*	01	**6060DA**	1247	AV
			*	-	265	*(1180)*				*	-	265	*(1180)*	01	**6065DA**	1247	AV
			*	-	339	*(1510)*				*	-	346	*(1540)*	01	**6070DA**	1247	AV
			*	-	339	*(1510)*				*	-	346	*(1540)*	01	**6075DA**	1247	AV
			*	-	423	*(1880)*				*	-	427	*(1900)*	01	**6090DA**	1247	AV
			*	-	423	*(1880)*				*	-	427	*(1900)*	01	**6095DA**	1247	AV
			*	-	544	*(2420)*				*	-	549	*(2440)*	01	**6100DA**	1247	AV
			*	-	544	*(2420)*				*	-	549	*(2440)*	01	**6105DA**	1247	AV
			*	-	2210	*(9810)*				*	-	2210	*(9810)*	01	**6120DB**	1247	AV
			*	-	2210	*(9810)*				1.03	I	2210	*(9810)*	01	**6125DB**	1247	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

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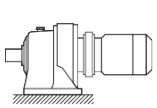
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/8 HP
0.1 kW



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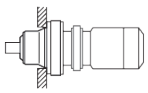

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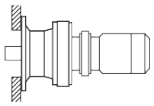

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
0.980	7760	(877)	*	-	433	(1920)	1.18	6430	(726)	*	-	435	(1940)	01	**6090DA**	1479	AV
			*	-	433	(1920)				*	-	435	(1940)	01	**6095DA**	1479	AV
			*	-	480	(2130)				*	-	483	(2150)	01	**6100DA**	1479	AV
			*	-	480	(2130)				*	-	483	(2150)	01	**6105DA**	1479	AV
			*	-	2030	(9030)				*	-	2100	(9350)	01	**6120DB**	1479	AV
			*	-	2030	(9030)				*	-	2100	(9350)	01	**6125DB**	1479	AV
0.784	9700	(1100)	*	-	265	(1180)	0.946	8040	(908)	*	-	265	(1180)	01	**6060DA**	1849	AV
			*	-	265	(1180)				*	-	265	(1180)	01	**6065DA**	1849	AV
			*	-	310	(1380)				*	-	327	(1450)	01	**6070DA**	1849	AV
			*	-	310	(1380)				*	-	327	(1450)	01	**6075DA**	1849	AV
			*	-	410	(1820)				*	-	417	(1850)	01	**6090DA**	1849	AV
			*	-	410	(1820)				*	-	417	(1850)	01	**6095DA**	1849	AV
			*	-	528	(2350)				*	-	536	(2380)	01	**6100DA**	1849	AV
			*	-	528	(2350)				*	-	536	(2380)	01	**6105DA**	1849	AV
			*	-	1380	(6120)				*	-	2210	(9810)	01	**6120DB**	1849	AV
			*	-	1380	(6120)				*	-	2210	(9810)	01	**6125DB**	1849	AV
0.702	10800	(1220)	*	-	304	(1350)	0.847	8980	(1010)	*	-	314	(1400)	01	**6070DA**	2065	AV
			*	-	304	(1350)				*	-	314	(1400)	01	**6075DA**	2065	AV
			*	-	414	(1840)				*	-	419	(1870)	01	**6090DA**	2065	AV
			*	-	480	(2140)				*	-	486	(2160)	01	**6100DA**	2065	AV
			*	-	480	(2140)				*	-	486	(2160)	01	**6105DA**	2065	AV
			*	-	1290	(5740)				*	-	1330	(5930)	01	**6120DB**	2065	AV
			*	-	1290	(5740)				*	-	1330	(5930)	01	**6125DB**	2065	AV
0.572	13300	(1500)	*	-	287	(1280)	0.690	11000	(1250)	*	-	303	(1350)	01	**6070DA**	2537	AV
			*	-	287	(1280)				*	-	303	(1350)	01	**6075DA**	2537	AV
			*	-	407	(1810)				*	-	413	(1840)	01	**6090DA**	2537	AV
			*	-	472	(2100)				*	-	480	(2130)	01	**6100DA**	2537	AV
			*	-	472	(2100)				*	-	480	(2130)	01	**6105DA**	2537	AV
			*	-	1290	(5730)				*	-	1290	(5740)	01	**6120DB**	2537	AV
			*	-	1290	(5730)				*	-	1290	(5740)	01	**6125DB**	2537	AV
0.476	16000	(1800)	*	-	416	(1850)	0.575	13200	(1500)	*	-	421	(1870)	01	**6090DA**	3045	AV
			*	-	416	(1850)				*	-	421	(1870)	01	**6095DA**	3045	AV
			*	-	461	(2050)				*	-	467	(2080)	01	**6100DA**	3045	AV
			*	-	461	(2050)				*	-	467	(2080)	01	**6105DA**	3045	AV
			*	-	1150	(5100)				*	-	1150	(5110)	01	**6120DB**	3045	AV
			*	-	1150	(5100)				*	-	1150	(5110)	01	**6125DB**	3045	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

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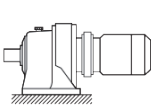
Selection Tables

1/8 HP
0.1 kW



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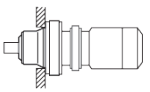

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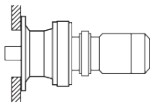

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
0.417	18300	*(2060)*	*	-	393	*(1750)*	0.503	15100	*(1710)*	*	-	402	*(1790)*	01	**6090DA**	3481	AV
			*	-	455	*(2030)*				*	-	466	*(2070)*	01	**6100DA**	3481	AV
			*	-	455	*(2030)*				*	-	466	*(2070)*	01	**6105DA**	3481	AV
			*	-	1280	*(5710)*				*	-	1290	*(5730)*	01	**6120DB**	3481	AV
			*	-	1280	*(5710)*				*	-	1290	*(5730)*	01	**6125DB**	3481	AV
0.327	23300	*(2630)*	*	-	401	*(1790)*	0.394	19300	*(2180)*	*	-	409	*(1820)*	01	**6090DA**	4437	AV
			*	-	401	*(1790)*				*	-	409	*(1820)*	01	**6095DA**	4437	AV
			*	-	445	*(1980)*				*	-	454	*(2020)*	01	**6100DA**	4437	AV
			*	-	445	*(1980)*				*	-	454	*(2020)*	01	**6105DA**	4437	AV
			*	-	1140	*(5080)*				*	-	1140	*(5090)*	01	**6120DB**	4437	AV
			*	-	1140	*(5080)*				*	-	1140	*(5090)*	01	**6125DB**	4437	AV
0.282	26900	*(3040)*	*	-	394	*(1750)*	0.341	22300	*(2520)*	*	-	403	*(1790)*	01	**6090DA**	5133	AV
			*	-	394	*(1750)*				*	-	403	*(1790)*	01	**6095DA**	5133	AV
			*	-	438	*(1950)*				*	-	448	*(1990)*	01	**6100DA**	5133	AV
			*	-	438	*(1950)*				*	-	448	*(1990)*	01	**6105DA**	5133	AV
			*	-	1140	*(5070)*				*	-	1140	*(5090)*	01	**6120DB**	5133	AV
			*	-	1140	*(5070)*				*	-	1140	*(5090)*	01	**6125DB**	5133	AV
0.235	32400	*(3660)*	*	-	1140	*(5060)*	0.283	26900	*(3030)*	*	-	1140	*(5070)*	01	**6120DB**	6177	AV
			*	-	1140	*(5060)*				*	-	1140	*(5070)*	01	**6125DB**	6177	AV
0.192	39700	*(4490)*	*	-	1130	*(5040)*	0.231	32900	*(3720)*	*	-	1140	*(5060)*	01	**6120DB**	7569	AV
			*	-	1130	*(5040)*				*	-	1140	*(5060)*	01	**6125DB**	7569	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

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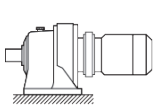
Selection Tables

1/4 HP
0.2 kW



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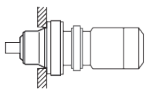

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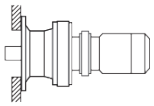

V

Dimension Pages:

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F-Flange Mount (F)	2.160 - 2.189

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Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
242	67	(7.51)	1.00	I	179	(798)	292	55	(6.22)	1.00	I	169	(751)	02	**6060**	6	AV
			1.43	II	179	(798)				1.43	II	169	(751)	02	**6065**	6	AV
			1.73	III	313	(1390)				1.73	III	294	(1310)	02	**6070**	6	AV
			2.03	III	313	(1390)				2.03	III	294	(1310)	02	**6075**	6	AV
			2.96	III	435	(1930)				2.96	III	409	(1820)	02	**6080**	6	AV
181	89	(10.0)	1.00	I	205	(912)	219	73	(8.29)	1.00	I	193	(859)	02	**6060**	8	AV
			1.43	II	205	(912)				1.43	II	193	(859)	02	**6065**	8	AV
			1.73	III	347	(1540)				1.73	III	326	(1450)	02	**6070**	8	AV
			2.03	III	347	(1540)				2.03	III	326	(1450)	02	**6075**	8	AV
			2.96	III	471	(2100)				2.96	III	443	(1970)	02	**6080**	8	AV
132	122	(13.8)	1.00	I	265	(1180)	159	101	(11.4)	1.00	I	262	(1170)	02	**6060**	11	AV
			1.43	II	265	(1180)				1.43	II	262	(1170)	02	**6065**	11	AV
			1.73	III	388	(1730)				1.73	III	366	(1630)	02	**6070**	11	AV
			2.03	III	388	(1730)				2.03	III	366	(1630)	02	**6075**	11	AV
			2.96	III	522	(2320)				2.96	III	490	(2180)	02	**6080**	11	AV
112	144	(16.3)	1.00	I	265	(1180)	135	119	(13.5)	1.00	I	265	(1180)	02	**6060**	13	AV
			1.43	II	265	(1180)				1.43	II	265	(1180)	02	**6065**	13	AV
			1.73	III	398	(1770)				1.73	III	387	(1720)	02	**6070**	13	AV
			2.03	III	398	(1770)				2.03	III	387	(1720)	02	**6075**	13	AV
			2.96	III	561	(2500)				2.96	III	527	(2350)	02	**6080**	13	AV
96.7	166	(18.8)	1.00	I	265	(1180)	117	138	(15.6)	1.00	I	265	(1180)	02	**6060**	15	AV
			1.43	II	265	(1180)				1.43	II	265	(1180)	02	**6065**	15	AV
			1.73	III	398	(1770)				1.73	III	389	(1730)	02	**6070**	15	AV
			2.03	III	398	(1770)				2.03	III	389	(1730)	02	**6075**	15	AV
			2.96	III	576	(2560)				2.96	III	545	(2420)	02	**6080**	15	AV
85.3	188	(21.3)	1.00	I	265	(1180)	103	156	(17.6)	1.00	I	265	(1180)	02	**6060**	17	AV
			1.41	II	265	(1180)				1.43	II	265	(1180)	02	**6065**	17	AV
			1.73	III	398	(1770)				1.73	III	398	(1770)	02	**6070**	17	AV
			2.03	III	398	(1770)				2.03	III	398	(1770)	02	**6075**	17	AV
			2.96	III	576	(2560)				2.96	III	572	(2540)	02	**6080**	17	AV
69.0	233	(26.3)	1.14	I	265	(1180)	83.3	193	(21.8)	1.17	I	265	(1180)	02	**6065**	21	AV
			1.60	III	398	(1770)				1.60	III	398	(1770)	02	**6070**	21	AV
			2.03	III	398	(1770)				2.03	III	398	(1770)	02	**6075**	21	AV
			2.39	III	576	(2560)				2.39	III	557	(2480)	02	**6080**	21	AV
			2.75	III	576	(2560)				2.75	III	557	(2480)	02	**6085**	21	AV

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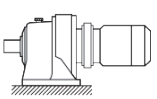
1/4 HP
0.2 kW



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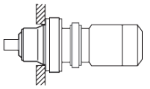

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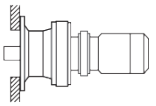

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

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Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
58.0	277	(31.3)	*	-	265	(1180)	70.0	229	(25.9)	*	-	265	(1180)	02	**6065**	25	AV
			1.15	I	398	(1770)				1.15	I	398	(1770)	02	**6070**	25	AV
			1.47	II	398	(1770)				1.47	II	398	(1770)	02	**6075**	25	AV
			1.70	III	576	(2560)				1.70	III	573	(2550)	02	**6080**	25	AV
			2.37	III	576	(2560)				2.37	III	573	(2550)	02	**6085**	25	AV
50.0	321	(36.3)	*	-	265	(1180)	60.3	266	(30.1)	*	-	265	(1180)	02	**6065**	29	AV
			1.13	I	398	(1770)				1.13	I	398	(1770)	02	**6070**	29	AV
			1.43	II	398	(1770)				1.43	II	398	(1770)	02	**6075**	29	AV
			1.70	III	576	(2560)				1.70	III	576	(2560)	02	**6080**	29	AV
			2.34	III	576	(2560)				2.34	III	576	(2560)	02	**6085**	29	AV
41.4	388	(43.8)	1.03	I	398	(1770)	50.0	321	(36.3)	1.05	I	398	(1770)	02	**6070**	35	AV
			1.36	II	398	(1770)				1.39	II	398	(1770)	02	**6075**	35	AV
			1.45	II	576	(2560)				1.64	III	576	(2560)	02	**6080**	35	AV
			1.64	III	576	(2560)				1.85	III	576	(2560)	02	**6085**	35	AV
			3.06	III	751	(3340)				3.06	III	751	(3340)	02	**6090**	35	AV
33.7	476	(53.8)	1.12	I	398	(1770)	40.7	395	(44.6)	1.13	I	398	(1770)	02	**6075**	43	AV
			1.25	I	576	(2560)				1.25	I	576	(2560)	02	**6080**	43	AV
			1.47	II	576	(2560)				1.47	II	576	(2560)	02	**6085**	43	AV
			2.18	III	751	(3340)				2.18	III	751	(3340)	02	**6090**	43	AV
28.4	565	(63.8)	1.21	I	576	(2560)	34.3	468	(52.9)	1.21	I	576	(2560)	02	**6085**	51	AV
			1.66	III	751	(3340)				1.66	III	751	(3340)	02	**6090**	51	AV
			2.04	III	751	(3340)				2.11	III	751	(3340)	02	**6095**	51	AV
			2.80	III	1210	(5400)				2.80	III	1210	(5400)	02	**6100**	51	AV
24.6	653	(73.8)	1.17	I	576	(2560)	29.7	541	(61.2)	1.17	I	576	(2560)	02	**6085**	59	AV
			1.54	II	751	(3340)				1.54	II	751	(3340)	02	**6090**	59	AV
			1.68	III	751	(3340)				1.86	III	751	(3340)	02	**6095**	59	AV
			2.58	III	1210	(5400)				2.58	III	1210	(5400)	02	**6100**	59	AV
20.4	786	(88.8)	*	-	535	(2380)	24.6	652	(73.6)	*	-	564	(2510)	02	**6085**	71	AV
			1.26	I	751	(3340)				1.26	I	751	(3340)	02	**6090**	71	AV
			1.39	II	751	(3340)				1.51	II	751	(3340)	02	**6095**	71	AV
			2.18	III	1210	(5400)				2.18	III	1210	(5400)	02	**6100**	71	AV
			2.53	III	1210	(5400)				2.81	III	1210	(5400)	02	**6105**	71	AV
16.7	964	(109)	1.06	I	751	(3340)	20.1	798	(90.2)	1.06	I	751	(3340)	02	**6090**	87	AV
			1.32	II	751	(3340)				1.51	II	751	(3340)	02	**6095**	87	AV
			2.17	III	1210	(5400)				2.17	III	1210	(5400)	02	**6100**	87	AV
			2.51	III	1210	(5400)				2.83	III	1210	(5400)	02	**6105**	87	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

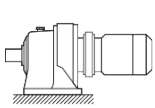
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/4 HP
0.2 kW



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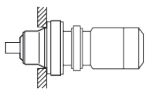

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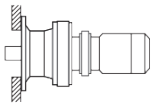

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
13.9	1090	*(123)*	*	-	398	*(1770)*	16.8	904	*(102)*	*	-	398	*(1770)*	02	**6075DA**	104	AV
			1.22	I	751	*(3340)*				1.47	II	751	*(3340)*	02	**6090DA**	104	AV
			1.47	II	751	*(3340)*				1.77	III	751	*(3340)*	02	**6095DA**	104	AV
			2.03	III	1210	*(5400)*				2.03	III	1210	*(5400)*	02	**6100DA**	104	AV
			2.03	III	1210	*(5400)*				2.03	III	1210	*(5400)*	02	**6105DA**	104	AV
12.2	1320	*(149)*	1.05	I	1210	*(5400)*	14.7	1090	*(123)*	1.05	I	1210	*(5400)*	02	**6100**	119	AV
			1.43	II	1210	*(5400)*				1.43	II	1210	*(5400)*	02	**6105**	119	AV
12.0	1270	*(143)*	1.05	I	751	*(3340)*	14.5	1050	*(119)*	1.26	I	751	*(3340)*	02	**6090DA**	121	AV
			1.12	I	751	*(3340)*				1.35	II	751	*(3340)*	02	**6095DA**	121	AV
			1.74	III	1210	*(5400)*				2.03	III	1210	*(5400)*	02	**6100DA**	121	AV
			2.03	III	1210	*(5400)*				2.03	III	1210	*(5400)*	02	**6105DA**	121	AV
			3.66	III	2210	*(9810)*				4.42	III	2210	*(9810)*	02	**6120DB**	121	AV
10.1	1500	*(170)*	1.08	I	751	*(3340)*	12.2	1240	*(140)*	1.30	II	751	*(3340)*	02	**6095DA**	143	AV
			1.47	II	1210	*(5400)*				1.78	III	1210	*(5400)*	02	**6100DA**	143	AV
			1.77	III	1210	*(5400)*				2.03	III	1210	*(5400)*	02	**6105DA**	143	AV
			3.10	III	2210	*(9810)*				3.74	III	2210	*(9810)*	02	**6120DB**	143	AV
8.79	1730	*(196)*	*	-	751	*(3340)*	10.6	1430	*(162)*	*	-	751	*(3340)*	02	**6090DA**	165	AV
			1.02	I	751	*(3340)*				1.23	I	751	*(3340)*	02	**6095DA**	165	AV
			1.28	I	1210	*(5400)*				1.54	II	1210	*(5400)*	02	**6100DA**	165	AV
			1.53	II	1210	*(5400)*				1.85	III	1210	*(5400)*	02	**6105DA**	165	AV
			2.68	III	2210	*(9810)*				3.24	III	2210	*(9810)*	02	**6120DB**	165	AV
7.44	2050	*(231)*	*	-	751	*(3340)*	8.97	1700	*(192)*	*	-	751	*(3340)*	02	**6090DA**	195	AV
			*	-	751	*(3340)*				1.04	I	751	*(3340)*	02	**6095DA**	195	AV
			1.08	I	1210	*(5400)*				1.31	II	1210	*(5400)*	02	**6100DA**	195	AV
			1.30	II	1210	*(5400)*				1.57	II	1210	*(5400)*	02	**6105DA**	195	AV
			2.27	III	2210	*(9810)*				2.74	III	2210	*(9810)*	02	**6120DB**	195	AV
			2.73	III	2210	*(9810)*				3.29	III	2210	*(9810)*	02	**6125DB**	195	AV
6.28	2420	*(274)*	*	-	714	*(3180)*	7.58	2010	*(227)*	*	-	738	*(3280)*	02	**6090DA**	231	AV
			*	-	714	*(3180)*				*	-	738	*(3280)*	02	**6095DA**	231	AV
			1.10	I	1210	*(5400)*				1.32	II	1210	*(5400)*	02	**6105DA**	231	AV
			1.91	III	2210	*(9810)*				2.30	III	2210	*(9810)*	02	**6120DB**	231	AV
			2.30	III	2210	*(9810)*				2.78	III	2210	*(9810)*	02	**6125DB**	231	AV
			2.85	III	3310	*(14700)*				3.44	III	3310	*(14700)*	02	**6130DC**	231	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

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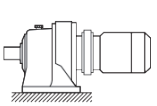
Selection Tables

1/4 HP
0.2 kW



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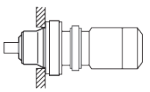

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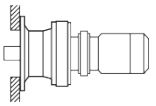

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
5.31	2860	(324)	*	-	686	(3050)	6.41	2370	(268)	*	-	717	(3190)	02	**6090DA**	273	AV
			*	-	686	(3050)				*	-	717	(3190)	02	**6095DA**	273	AV
			*	-	1210	(5400)				*	-	1210	(5400)	02	**6100DA**	273	AV
			*	-	1210	(5400)				1.12	I	1210	(5400)	02	**6105DA**	273	AV
			1.61	III	2210	(9810)				1.95	III	2210	(9810)	02	**6120DB**	273	AV
			1.95	III	2210	(9810)				2.35	III	2210	(9810)	02	**6125DB**	273	AV
			2.03	III	3310	(14700)				2.03	III	3310	(14700)	02	**6130DA**	273	AV
			2.41	III	3310	(14700)				2.91	III	3310	(14700)	02	**6130DC**	273	AV
			2.90	III	3310	(14700)				3.51	III	3310	(14700)	02	**6135DC**	273	AV
4.55	3350	(378)	*	-	427	(1900)	5.49	2770	(313)	*	-	661	(2940)	02	**6095DA**	319	AV
			*	-	633	(2820)				*	-	1210	(5400)	02	**6100DA**	319	AV
			*	-	633	(2820)				*	-	1210	(5400)	02	**6105DA**	319	AV
			1.38	II	2210	(9810)				1.66	III	2210	(9810)	02	**6120DB**	319	AV
			1.67	III	2210	(9810)				2.01	III	2210	(9810)	02	**6125DB**	319	AV
			2.03	III	3310	(14700)				2.03	III	3310	(14700)	02	**6130DA**	319	AV
			2.06	III	3310	(14700)				2.49	III	3310	(14700)	02	**6130DC**	319	AV
			2.49	III	3310	(14700)				3.00	III	3310	(14700)	02	**6135DC**	319	AV
3.85	3960	(447)	*	-	424	(1880)	4.64	3280	(370)	*	-	294	(1310)	02	**6095DA**	377	AV
			*	-	628	(2790)				*	-	435	(1940)	02	**6100DA**	377	AV
			*	-	628	(2790)				*	-	435	(1940)	02	**6105DA**	377	AV
			1.16	I	2210	(9810)				1.40	II	2210	(9810)	02	**6120DB**	377	AV
			1.41	II	2210	(9810)				1.70	III	2210	(9810)	02	**6125DB**	377	AV
			1.75	III	3310	(14700)				2.03	III	3310	(14700)	02	**6130DA**	377	AV
			2.10	III	3310	(14700)				2.54	III	3310	(14700)	02	**6135DC**	377	AV
			2.74	III	3600	(16000)				3.31	III	3600	(16000)	02	**6140DB**	377	AV
3.07	4960	(561)	*	-	553	(2460)	3.70	4110	(465)	*	-	557	(2480)	02	**6100DA**	473	AV
			*	-	553	(2460)				*	-	557	(2480)	02	**6105DA**	473	AV
			1.12	I	2210	(9810)				1.36	II	2210	(9810)	02	**6125DB**	473	AV
			1.39	II	3310	(14700)				1.68	III	3310	(14700)	02	**6130DA**	473	AV
			1.68	III	3310	(14700)				2.02	III	3310	(14700)	02	**6135DC**	473	AV
			2.18	III	3600	(16000)				2.64	III	3600	(16000)	02	**6140DB**	473	AV
			2.44	III	3600	(16000)				2.95	III	3600	(16000)	02	**6145DB**	473	AV
2.59	5870	(663)	*	-	548	(2440)	3.13	4860	(549)	*	-	553	(2460)	02	**6105DA**	559	AV
			*	-	2210	(9810)				*	-	2210	(9810)	02	**6120DB**	559	AV
			*	-	2210	(9810)				1.15	I	2210	(9810)	02	**6125DB**	559	AV
			1.18	I	3310	(14700)				1.42	II	3310	(14700)	02	**6130DA**	559	AV
			1.42	II	3310	(14700)				1.71	III	3310	(14700)	02	**6135DC**	559	AV
			1.85	III	3600	(16000)				2.23	III	3600	(16000)	02	**6140DB**	559	AV
			2.07	III	3600	(16000)				2.50	III	3600	(16000)	02	**6145DB**	559	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

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[2] Variable Frequency Drive Availability:

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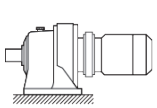
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/4 HP
0.2 kW



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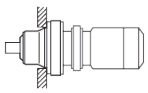

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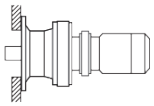

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
2.23	6810	(769)	*	-	2210	(9810)	2.70	5640	(638)	*	-	2210	(9810)	02	**6120DB**	649	AV
			*	-	2210	(9810)				*	-	2210	(9810)	02	**6125DB**	649	AV
			1.19	I	3310	(14700)				1.43	II	3310	(14700)	02	**6130DA**	649	AV
			1.36	II	3310	(14700)				1.65	III	3310	(14700)	02	**6135DC**	649	AV
			1.59	II	3600	(16000)				1.92	III	3600	(16000)	02	**6140DB**	649	AV
			1.78	III	3600	(16000)				2.15	III	3600	(16000)	02	**6145DB**	649	AV
1.98	7670	(867)	*	-	2210	(9810)	2.39	6360	(718)	*	-	2210	(9810)	02	**6120DA**	731	AV
			*	-	2210	(9810)				*	-	2210	(9810)	02	**6125DB**	731	AV
			1.08	I	3310	(14700)				1.31	II	3310	(14700)	02	**6135DC**	731	AV
			1.41	II	3600	(16000)				1.71	III	3600	(16000)	02	**6140DB**	731	AV
			1.58	II	3600	(16000)				1.91	III	3600	(16000)	02	**6145DB**	731	AV
1.72	8820	(997)	*	-	1710	(7590)	2.08	7310	(826)	*	-	2210	(9810)	02	**6120DA**	841	AV
			*	-	1710	(7590)				*	-	2210	(9810)	02	**6125DB**	841	AV
			*	-	3310	(14700)				*	-	3310	(14700)	02	**6130DC**	841	AV
			*	-	3310	(14700)				1.14	I	3310	(14700)	02	**6135DC**	841	AV
			1.23	I	3600	(16000)				1.48	II	3600	(16000)	02	**6140DB**	841	AV
			1.37	II	3600	(16000)				1.66	III	3600	(16000)	02	**6145DB**	841	AV
1.45	10500	(1190)	*	-	683	(3040)	1.74	8720	(985)	*	-	1730	(7700)	02	**6120DA**	1003	AV
			*	-	1290	(5750)				*	-	1730	(7700)	02	**6125DB**	1003	AV
			*	-	3310	(14700)				*	-	3310	(14700)	02	**6130DC**	1003	AV
			*	-	3310	(14700)				1.07	I	3310	(14700)	02	**6135DC**	1003	AV
			1.03	I	3600	(16000)				1.24	I	3600	(16000)	02	**6140DB**	1003	AV
			1.15	I	3600	(16000)				1.39	II	3600	(16000)	02	**6145DB**	1003	AV
1.16	13100	(1480)	*	-	1370	(6100)	1.40	10800	(1220)	*	-	1370	(6110)	02	**6125DB**	1247	AV
			*	-	3210	(14300)				*	-	3310	(14700)	02	**6130DC**	1247	AV
			*	-	3210	(14300)				*	-	3310	(14700)	02	**6135DC**	1247	AV
			*	-	3410	(15200)				1.00	I	3600	(16000)	02	**6140DB**	1247	AV
			*	-	3410	(15200)				1.12	I	3600	(16000)	02	**6145DB**	1247	AV
0.980	15500	(1750)	*	-	3290	(14600)	1.18	12900	(1450)	*	-	3310	(14700)	02	**6130DC**	1479	AV
			*	-	3290	(14600)				*	-	3310	(14700)	02	**6135DC**	1479	AV
			*	-	3600	(16000)				*	-	3600	(16000)	02	**6140DB**	1479	AV
			*	-	3600	(16000)				*	-	3600	(16000)	02	**6145DB**	1479	AV
0.784	19400	(2190)	*	-	2880	(12800)	0.946	16100	(1820)	*	-	3060	(13600)	02	**6130DC**	1849	AV
			*	-	2880	(12800)				*	-	3060	(13600)	02	**6135DC**	1849	AV
			*	-	2170	(9650)				*	-	2950	(13100)	02	**6140DB**	1849	AV
			*	-	2170	(9650)				*	-	2950	(13100)	02	**6145DB**	1849	AV

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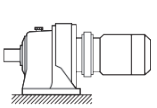
Selection Tables

1/4 HP
0.2 kW



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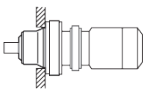

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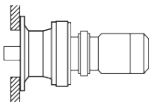


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
0.702	21700	(2450)	*	-	1970	(8760)	0.847	18000	(2030)	*	-	3130	(13900)	02	**6130DC**	2065	AV
			*	-	1970	(8760)				*	-	3130	(13900)	02	**6135DC**	2065	AV
			*	-	2180	(9700)				*	-	3600	(16000)	02	**6140DB**	2065	AV
			*	-	2180	(9700)				*	-	3600	(16000)	02	**6145DB**	2065	AV
0.572	26600	(3010)	*	-	1970	(8750)	0.690	22100	(2490)	*	-	1970	(8750)	02	**6130DC**	2537	AV
			*	-	1970	(8750)				*	-	1970	(8750)	02	**6135DC**	2537	AV
			*	-	1320	(5870)				*	-	1740	(7750)	02	**6140DB**	2537	AV
			*	-	1320	(5870)				*	-	1740	(7750)	02	**6145DB**	2537	AV
0.476	32000	(3610)	*	-	1980	(8820)	0.575	26500	(2990)	*	-	1980	(8820)	02	**6130DC**	3045	AV
			*	-	1980	(8820)				*	-	1980	(8820)	02	**6135DC**	3045	AV
			*	-	1330	(5900)				*	-	1330	(5920)	02	**6140DB**	3045	AV
			*	-	1330	(5900)				*	-	1330	(5920)	02	**6145DB**	3045	AV
0.417	36500	(4130)	*	-	1960	(8720)	0.503	30300	(3420)	*	-	1960	(8740)	02	**6130DC**	3481	AV
			*	-	1960	(8720)				*	-	1960	(8740)	02	**6135DC**	3481	AV
			*	-	1310	(5820)				*	-	1320	(5860)	02	**6140DB**	3481	AV
			*	-	1310	(5820)				*	-	1320	(5860)	02	**6145DB**	3481	AV
0.327	46600	(5260)	*	-	1980	(8800)	0.394	38600	(4360)	*	-	1980	(8810)	02	**6135DC**	4437	AV
			*	-	1310	(5850)				*	-	1320	(5870)	02	**6140DB**	4437	AV
			*	-	1310	(5850)				*	-	1320	(5870)	02	**6145DB**	4437	AV
0.282	53900	(6090)	*	-	1970	(8780)	0.341	44600	(5040)	*	-	1980	(8800)	02	**6130DC**	5133	AV
			*	-	1970	(8780)				*	-	1980	(8800)	02	**6135DC**	5133	AV
			*	-	1310	(5820)				*	-	1320	(5860)	02	**6140DB**	5133	AV
			*	-	1310	(5820)				*	-	1320	(5860)	02	**6145DB**	5133	AV
0.235	64800	(7320)	*	-	1970	(8770)	0.283	53700	(6070)	*	-	1980	(8790)	02	**6130DC**	6177	AV
			*	-	1970	(8770)				*	-	1980	(8790)	02	**6135DC**	6177	AV
			*	-	1300	(5780)				*	-	1310	(5820)	02	**6140DB**	6177	AV
			*	-	1300	(5780)				*	-	1310	(5820)	02	**6145DB**	6177	AV
0.192	79400	(8970)	*	-	1970	(8750)	0.231	65800	(7430)	*	-	1970	(8770)	02	**6130DC**	7569	AV
			*	-	1970	(8750)				*	-	1970	(8770)	02	**6135DC**	7569	AV
			*	-	1290	(5740)				*	-	1300	(5790)	02	**6140DB**	7569	AV
			*	-	1290	(5740)				*	-	1300	(5790)	02	**6145DB**	7569	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

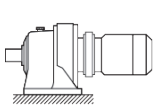
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/3 HP
0.25 kW



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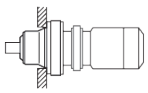

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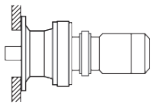


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
242	83	(9.39)	1.15	I	179	(795)	292	69	(7.78)	1.15	I	168	(749)	03	**6065**	6	AV
			1.39	II	312	(1390)				1.39	II	293	(1310)	03	**6070**	6	AV
			1.63	III	312	(1390)				1.63	III	293	(1310)	03	**6075**	6	AV
			2.37	III	434	(1930)				2.37	III	408	(1810)	03	**6080**	6	AV
181	111	(12.5)	1.15	I	204	(908)	219	92	(10.4)	1.15	I	192	(855)	03	**6065**	8	AV
			1.39	II	345	(1530)				1.39	II	325	(1450)	03	**6070**	8	AV
			1.63	III	345	(1530)				1.63	III	325	(1450)	03	**6075**	8	AV
			2.37	III	471	(2090)				2.37	III	442	(1970)	03	**6080**	8	AV
132	152	(17.2)	1.15	I	265	(1180)	159	126	(14.3)	1.15	I	261	(1160)	03	**6065**	11	AV
			1.39	II	386	(1720)				1.39	II	364	(1620)	03	**6070**	11	AV
			1.63	III	386	(1720)				1.63	III	364	(1620)	03	**6075**	11	AV
			2.37	III	520	(2310)				2.37	III	489	(2180)	03	**6080**	11	AV
112	180	(20.3)	1.15	I	265	(1180)	135	149	(16.8)	1.15	I	265	(1180)	03	**6065**	13	AV
			1.39	II	398	(1770)				1.39	II	384	(1710)	03	**6070**	13	AV
			1.63	III	398	(1770)				1.63	III	384	(1710)	03	**6075**	13	AV
			2.37	III	559	(2490)				2.37	III	526	(2340)	03	**6080**	13	AV
96.7	208	(23.5)	1.15	I	265	(1180)	117	172	(19.4)	1.15	I	265	(1180)	03	**6065**	15	AV
			1.39	II	398	(1770)				1.39	II	386	(1720)	03	**6070**	15	AV
			1.63	III	398	(1770)				1.63	III	386	(1720)	03	**6075**	15	AV
			2.37	III	576	(2560)				2.37	III	544	(2420)	03	**6080**	15	AV
85.3	235	(26.6)	1.13	I	265	(1180)	103	195	(22.0)	1.15	I	265	(1180)	03	**6065**	17	AV
			1.39	II	398	(1770)				1.39	II	398	(1770)	03	**6070**	17	AV
			1.63	III	398	(1770)				1.63	III	398	(1770)	03	**6075**	17	AV
			2.37	III	576	(2560)				2.37	III	570	(2540)	03	**6080**	17	AV
69.0	291	(32.8)	*	-	265	(1180)	83.3	241	(27.2)	*	-	265	(1180)	03	**6065**	21	AV
			1.28	I	398	(1770)				1.28	I	398	(1770)	03	**6070**	21	AV
			1.63	III	398	(1770)				1.63	III	398	(1770)	03	**6075**	21	AV
			1.91	III	576	(2560)				1.91	III	556	(2470)	03	**6080**	21	AV
			2.20	III	576	(2560)				2.20	III	556	(2470)	03	**6085**	21	AV
58.0	346	(39.1)	1.18	I	398	(1770)	70.0	287	(32.4)	1.18	I	398	(1770)	03	**6075**	25	AV
			1.36	II	576	(2560)				1.36	II	572	(2540)	03	**6080**	25	AV
			1.90	III	576	(2560)				1.90	III	572	(2540)	03	**6085**	25	AV
			2.68	III	751	(3340)				2.68	III	751	(3340)	03	**6090**	25	AV
50.0	401	(45.4)	1.15	I	398	(1770)	60.3	333	(37.6)	1.15	I	398	(1770)	03	**6075**	29	AV
			1.36	II	576	(2560)				1.36	II	576	(2560)	03	**6080**	29	AV
			1.87	III	576	(2560)				1.87	III	576	(2560)	03	**6085**	29	AV
			2.50	III	751	(3340)				2.50	III	751	(3340)	03	**6090**	29	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

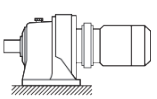
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/3 HP
0.25 kW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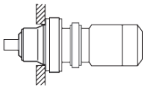
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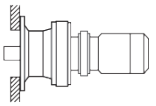
V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
41.4	485	(54.7)	1.09	I	398	(1770)	50.0	401	(45.4)	1.12	I	398	(1770)	03	**6075**	35	AV
			1.16	I	576	(2560)				1.31	II	576	(2560)	03	**6080**	35	AV
			1.31	II	576	(2560)				1.48	II	576	(2560)	03	**6085**	35	AV
			2.45	III	751	(3340)				2.45	III	751	(3340)	03	**6090**	35	AV
33.7	595	(67.3)	*	-	336	(1500)	40.7	493	(55.7)	*	-	392	(1740)	03	**6075**	43	AV
			1.00	I	576	(2560)				1.00	I	576	(2560)	03	**6080**	43	AV
			1.18	I	576	(2560)				1.18	I	576	(2560)	03	**6085**	43	AV
			1.74	III	751	(3340)				1.74	III	751	(3340)	03	**6090**	43	AV
			2.41	III	751	(3340)				2.41	III	751	(3340)	03	**6095**	43	AV
28.4	706	(79.8)	*	-	559	(2490)	34.3	585	(66.1)	*	-	576	(2560)	03	**6085**	51	AV
			1.33	II	751	(3340)				1.33	II	751	(3340)	03	**6090**	51	AV
			1.63	III	751	(3340)				1.69	III	751	(3340)	03	**6095**	51	AV
			2.24	III	1210	(5400)				2.24	III	1210	(5400)	03	**6100**	51	AV
24.6	817	(92.3)	*	-	538	(2390)	29.7	677	(76.5)	*	-	571	(2540)	03	**6085**	59	AV
			1.24	I	751	(3340)				1.24	I	751	(3340)	03	**6090**	59	AV
			1.34	II	751	(3340)				1.49	II	751	(3340)	03	**6095**	59	AV
			2.06	III	1210	(5400)				2.06	III	1210	(5400)	03	**6100**	59	AV
			2.72	III	1210	(5400)				2.83	III	1210	(5400)	03	**6105**	59	AV
20.4	983	(111)	1.01	I	751	(3340)	24.6	814	(92.0)	1.01	I	751	(3340)	03	**6090**	71	AV
			1.11	I	751	(3340)				1.21	I	751	(3340)	03	**6095**	71	AV
			1.74	III	1210	(5400)				1.74	III	1210	(5400)	03	**6100**	71	AV
			2.02	III	1210	(5400)				2.24	III	1210	(5400)	03	**6105**	71	AV
16.7	1200	(136)	1.05	I	751	(3340)	20.1	998	(113)	1.21	I	751	(3340)	03	**6095**	87	AV
			1.73	III	1210	(5400)				1.73	III	1210	(5400)	03	**6100**	87	AV
			2.01	III	1210	(5400)				2.26	III	1210	(5400)	03	**6105**	87	AV
13.9	1360	(154)	1.17	I	751	(3340)	16.8	1130	(128)	1.42	II	751	(3340)	03	**6095DA**	104	AV
			1.62	III	1210	(5400)				1.63	III	1210	(5400)	03	**6100DA**	104	AV
			1.63	III	1210	(5400)				1.63	III	1210	(5400)	03	**6105DA**	104	AV
12.2	1650	(186)	1.15	I	1210	(5400)	14.7	1370	(154)	1.15	I	1210	(5400)	03	**6105**	119	AV
12.0	1590	(179)	*	-	751	(3340)	14.5	1310	(149)	1.08	I	751	(3340)	03	**6095DA**	121	AV
			1.39	II	1210	(5400)				1.63	III	1210	(5400)	03	**6100DA**	121	AV
			1.63	III	1210	(5400)				1.63	III	1210	(5400)	03	**6105DA**	121	AV
			2.93	III	2210	(9810)				3.53	III	2210	(9810)	03	**6120DB**	121	AV
10.1	1880	(212)	*	-	751	(3340)	12.2	1550	(176)	*	-	751	(3340)	03	**6090DA**	143	AV
			*	-	751	(3340)				1.04	I	751	(3340)	03	**6095DA**	143	AV
			1.18	I	1210	(5400)				1.42	II	1210	(5400)	03	**6100DA**	143	AV
			1.42	II	1210	(5400)				1.63	III	1210	(5400)	03	**6105DA**	143	AV
			2.48	III	2210	(9810)				2.99	III	2210	(9810)	03	**6120DB**	143	AV
			2.97	III	2210	(9810)				3.59	III	2210	(9810)	03	**6125DB**	143	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

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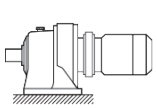
Selection Tables

1/3 HP
0.25 kW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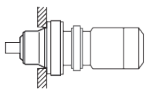
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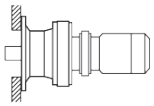

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
8.79	2160	(245)	*	-	751	(3340)	10.6	1790	(203)	*	-	751	(3340)	03	**6095DA**	165	AV
			1.02	I	1210	(5400)				1.23	I	1210	(5400)	03	**6100DA**	165	AV
			1.23	I	1210	(5400)				1.48	II	1210	(5400)	03	**6105DA**	165	AV
			2.15	III	2210	(9810)				2.59	III	2210	(9810)	03	**6120DB**	165	AV
			2.58	III	2210	(9810)				3.11	III	2210	(9810)	03	**6125DB**	165	AV
7.44	2560	(289)	*	-	751	(3340)	8.97	2120	(239)	*	-	751	(3340)	03	**6095DA**	195	AV
			1.04	I	1210	(5400)				1.25	I	1210	(5400)	03	**6105DA**	195	AV
			1.82	III	2210	(9810)				2.19	III	2210	(9810)	03	**6120DB**	195	AV
			2.18	III	2210	(9810)				2.63	III	2210	(9810)	03	**6125DB**	195	AV
			2.70	III	3310	(14700)				3.26	III	3310	(14700)	03	**6130DC**	195	AV
6.28	3030	(342)	*	-	1110	(4940)	7.58	2510	(284)	*	-	1210	(5400)	03	**6100DA**	231	AV
			*	-	1110	(4940)				1.06	I	1210	(5400)	03	**6105DA**	231	AV
			1.52	II	2210	(9810)				1.84	III	2210	(9810)	03	**6120DB**	231	AV
			1.84	III	2210	(9810)				2.22	III	2210	(9810)	03	**6125DB**	231	AV
			2.28	III	3310	(14700)				2.75	III	3310	(14700)	03	**6130DC**	231	AV
5.31	3580	(405)	*	-	695	(3090)	6.41	2970	(335)	*	-	1210	(5400)	03	**6105DA**	273	AV
			1.29	I	2210	(9810)				1.56	II	2210	(9810)	03	**6120DB**	273	AV
			1.56	II	2210	(9810)				1.88	III	2210	(9810)	03	**6125DB**	273	AV
			1.93	III	3310	(14700)				2.33	III	3310	(14700)	03	**6130DC**	273	AV
4.55	4180	(473)	1.10	I	2210	(9810)	5.49	3470	(392)	1.33	II	2210	(9810)	03	**6120DB**	319	AV
			1.33	II	2210	(9810)				1.61	III	2210	(9810)	03	**6125DB**	319	AV
			1.65	III	3310	(14700)				1.99	III	3310	(14700)	03	**6130DC**	319	AV
			2.59	III	3600	(16000)				3.13	III	3600	(16000)	03	**6140DB**	319	AV
			2.90	III	3600	(16000)				3.50	III	3600	(16000)	03	**6145DB**	319	AV
3.85	4940	(559)	1.13	I	2210	(9810)	4.64	4100	(463)	1.36	II	2210	(9810)	03	**6125DB**	377	AV
			1.40	II	3310	(14700)				1.69	III	3310	(14700)	03	**6130DC**	377	AV
			2.19	III	3600	(16000)				2.65	III	3600	(16000)	03	**6140DB**	377	AV
			2.45	III	3600	(16000)				2.96	III	3600	(16000)	03	**6145DB**	377	AV
3.07	6200	(701)	*	-	2210	(9810)	3.70	5140	(581)	*	-	2210	(9810)	03	**6120DB**	473	AV
			*	-	2210	(9810)				1.08	I	2210	(9810)	03	**6125DB**	473	AV
			1.11	I	3310	(14700)				1.34	II	3310	(14700)	03	**6130DC**	473	AV
			1.75	III	3600	(16000)				2.11	III	3600	(16000)	03	**6140DB**	473	AV
			1.95	III	3600	(16000)				2.36	III	3600	(16000)	03	**6145DB**	473	AV
2.59	7330	(828)	*	-	2210	(9810)	3.13	6070	(686)	*	-	2210	(9810)	03	**6125DB**	559	AV
			*	-	3310	(14700)				1.14	I	3310	(14700)	03	**6130DC**	559	AV
			1.48	II	3600	(16000)				1.78	III	3600	(16000)	03	**6140DB**	559	AV
			1.65	III	3600	(16000)				2.00	III	3600	(16000)	03	**6145DB**	559	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

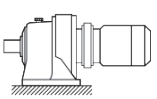
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/3 HP
0.25 kW



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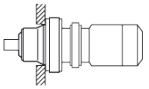

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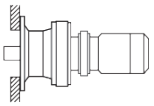


V

Dimension Pages:
Foot Mount (H) 2.100 - 2.129
V-Flange Mount (V) 2.130 - 2.159
F-Flange Mount (F) 2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
2.23	8510	*(962)*	*	-	3310	*(14700)*	2.70	7050	*(797)*	1.14	I	3310	*(14700)*	03	**6130DC**	649	AV
			1.27	I	3600	*(16000)*				1.54	II	3600	*(16000)*	03	**6140DB**	649	AV
			1.42	II	3600	*(16000)*				1.72	III	3600	*(16000)*	03	**6145DB**	649	AV
1.98	9590	*(1080)*	*	-	3310	*(14700)*	2.39	7940	*(898)*	*	-	3310	*(14700)*	03	**6130DC**	731	AV
			1.13	I	3600	*(16000)*				1.36	II	3600	*(16000)*	03	**6140DB**	731	AV
			1.26	I	3600	*(16000)*				1.53	II	3600	*(16000)*	03	**6145DB**	731	AV
1.72	11000	*(1250)*	*	-	3310	*(14700)*	2.08	9140	*(1030)*	*	-	3310	*(14700)*	03	**6130DC**	841	AV
			1.10	I	3600	*(16000)*				1.33	II	3600	*(16000)*	03	**6145DB**	841	AV
1.45	13200	*(1490)*	*	-	3310	*(14700)*	1.74	10900	*(1230)*	*	-	3310	*(14700)*	03	**6130DC**	1003	AV
			*	-	3600	*(16000)*				*	-	3600	*(16000)*	03	**6140DB**	1003	AV
			*	-	3600	*(16000)*				1.11	I	3600	*(16000)*	03	**6145DB**	1003	AV
1.16	16400	*(1850)*	*	-	2890	*(12900)*	1.40	13600	*(1530)*	*	-	3340	*(14900)*	03	**6145DB**	1247	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

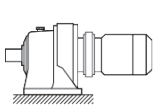
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/2 HP
0.4 kW



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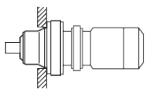

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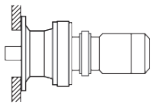


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
242	133	(15.0)	1.02	I	308	(1370)	292	110	(12.4)	1.02	I	290	(1290)	05	**6075**	6	C.F.
			1.48	II	432	(1920)				1.48	II	406	(1810)	05	**6080**	6	AV
			1.94	III	432	(1920)				1.94	III	406	(1810)	05	**6085**	6	AV
			2.87	III	644	(2860)				2.87	III	606	(2690)	05	**6090**	6	AV
181	177	(20.0)	1.02	I	339	(1510)	219	147	(16.6)	1.02	I	320	(1430)	05	**6075**	8	C.F.
			1.48	II	468	(2080)				1.48	II	440	(1960)	05	**6080**	8	AV
			1.94	III	468	(2080)				1.94	III	440	(1960)	05	**6085**	8	AV
			2.87	III	718	(3190)				2.87	III	675	(3000)	05	**6090**	8	AV
132	244	(27.5)	1.02	I	378	(1680)	159	202	(22.8)	1.02	I	357	(1590)	05	**6075**	11	C.F.
			1.48	II	516	(2300)				1.48	II	486	(2160)	05	**6080**	11	AV
			1.94	III	516	(2300)				1.94	III	486	(2160)	05	**6085**	11	AV
			2.87	III	751	(3340)				2.87	III	751	(3340)	05	**6090**	11	AV
112	288	(32.5)	1.02	I	398	(1770)	135	239	(27.0)	1.02	I	377	(1680)	05	**6075**	13	C.F.
			1.48	II	555	(2470)				1.48	II	522	(2320)	05	**6080**	13	AV
			1.94	III	555	(2470)				1.94	III	522	(2320)	05	**6085**	13	AV
			2.87	III	751	(3340)				2.87	III	751	(3340)	05	**6090**	13	AV
96.7	332	(37.5)	1.02	I	398	(1770)	117	275	(31.1)	1.02	I	377	(1680)	05	**6075**	15	C.F.
			1.48	II	572	(2550)				1.48	II	539	(2400)	05	**6080**	15	AV
			1.94	III	572	(2550)				1.94	III	539	(2400)	05	**6085**	15	AV
			2.87	III	751	(3340)				2.87	III	751	(3340)	05	**6090**	15	AV
85.3	377	(42.5)	1.02	I	398	(1770)	103	312	(35.3)	1.02	I	397	(1770)	05	**6075**	17	C.F.
			1.48	II	576	(2560)				1.48	II	565	(2510)	05	**6080**	17	AV
			1.94	III	576	(2560)				1.94	III	565	(2510)	05	**6085**	17	AV
			2.87	III	751	(3340)				2.87	III	751	(3340)	05	**6090**	17	AV
69.0	465	(52.6)	1.02	I	398	(1770)	83.3	385	(43.5)	1.02	I	397	(1770)	05	**6075**	21	C.F.
			1.20	I	576	(2560)				1.20	I	551	(2450)	05	**6080**	21	AV
			1.38	II	576	(2560)				1.38	II	551	(2450)	05	**6085**	21	AV
			1.89	III	751	(3340)				1.89	III	751	(3340)	05	**6090**	21	AV
58.0	554	(62.6)	1.19	I	576	(2560)	70.0	459	(51.8)	1.19	I	566	(2520)	05	**6085**	25	AV
			1.68	III	751	(3340)				1.68	III	751	(3340)	05	**6090**	25	AV
			2.17	III	751	(3340)				2.17	III	751	(3340)	05	**6095**	25	AV
50.0	642	(72.6)	1.17	I	576	(2560)	60.3	532	(60.1)	1.17	I	576	(2560)	05	**6085**	29	AV
			1.56	II	751	(3340)				1.56	II	751	(3340)	05	**6090**	29	AV
			1.96	III	751	(3340)				1.96	III	751	(3340)	05	**6095**	29	AV
41.4	775	(87.6)	*	-	576	(2560)	50.0	642	(72.6)	*	-	576	(2560)	05	**6085**	35	AV
			1.53	II	751	(3340)				1.53	II	751	(3340)	05	**6090**	35	AV
			1.89	III	751	(3340)				1.89	III	751	(3340)	05	**6095**	35	AV
			2.44	III	1210	(5400)				2.44	III	1210	(5400)	05	**6100**	35	AV
			3.00	III	1210	(5400)				3.00	III	1210	(5400)	05	**6105**	35	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

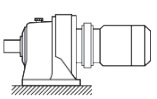
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/2 HP
0.4 kW



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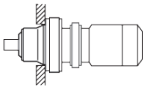

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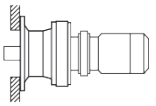


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz						Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
33.7	953	(108)	1.09	I	751	(3340)	40.7	789	(89.2)	1.09	I	751	(3340)	05	**6090**	43	AV
			1.51	II	751	(3340)				1.51	II	751	(3340)	05	**6095**	43	AV
			1.95	III	1210	(5400)				1.95	III	1210	(5400)	05	**6100**	43	AV
			2.71	III	1210	(5400)				2.71	III	1210	(5400)	05	**6105**	43	AV
28.4	1130	(128)	1.02	I	747	(3320)	34.3	936	(106)	1.05	I	751	(3340)	05	**6095**	51	AV
			1.40	II	1210	(5400)				1.40	II	1210	(5400)	05	**6100**	51	AV
			1.94	III	1210	(5400)				1.94	III	1210	(5400)	05	**6105**	51	AV
			2.36	III	1710	(7610)				2.36	III	1710	(7610)	05	**6110**	51	AV
			2.78	III	1710	(7610)				2.78	III	1710	(7610)	05	**6115**	51	AV
24.6	1310	(148)	*	-	741	(3300)	29.7	1080	(122)	*	-	751	(3340)	05	**6095**	59	AV
			1.29	I	1210	(5400)				1.29	I	1210	(5400)	05	**6100**	59	AV
			1.70	III	1210	(5400)				1.77	III	1210	(5400)	05	**6105**	59	AV
			2.15	III	1710	(7610)				2.15	III	1710	(7610)	05	**6110**	59	AV
			2.53	III	1710	(7610)				2.53	III	1710	(7610)	05	**6115**	59	AV
20.4	1570	(178)	1.09	I	1210	(5400)	24.6	1300	(147)	1.09	I	1210	(5400)	05	**6100**	71	AV
			1.26	I	1210	(5400)				1.40	II	1210	(5400)	05	**6105**	71	AV
			1.67	III	1710	(7610)				1.67	III	1710	(7610)	05	**6110**	71	AV
			1.89	III	1710	(7610)				1.89	III	1710	(7610)	05	**6115**	71	AV
			2.39	III	2210	(9810)				2.39	III	2210	(9810)	05	**6120**	71	AV
			2.84	III	2210	(9810)				3.00	III	2210	(9810)	05	**6125**	71	AV
16.7	1930	(218)	1.08	I	1210	(5400)	20.1	1600	(180)	1.08	I	1210	(5400)	05	**6100**	87	AV
			1.26	I	1210	(5400)				1.41	II	1210	(5400)	05	**6105**	87	AV
			1.65	III	1710	(7610)				1.65	III	1710	(7610)	05	**6110**	87	AV
			1.89	III	1710	(7610)				1.89	III	1710	(7610)	05	**6115**	87	AV
			2.36	III	2210	(9810)				2.36	III	2210	(9810)	05	**6120**	87	AV
			2.57	III	2210	(9810)				2.83	III	2210	(9810)	05	**6125**	87	AV
13.9	2180	(247)	*	-	751	(3340)	16.8	1810	(204)	*	-	751	(3340)	05	**6090DA**	104	C.F.
			*	-	751	(3340)				*	-	751	(3340)	05	**6095DA**	104	C.F.
			1.01	I	1210	(5400)				1.02	I	1210	(5400)	05	**6100DA**	104	C.F.
			2.13	III	2210	(9810)				2.57	III	2210	(9810)	05	**6120DB**	104	AV
			2.55	III	2210	(9810)				3.08	III	2210	(9810)	05	**6125DB**	104	AV
12.0	2540	(287)	*	-	751	(3340)	14.5	2100	(238)	*	-	751	(3340)	05	**6090DA**	121	C.F.
			*	-	751	(3340)				*	-	751	(3340)	05	**6095DA**	121	C.F.
			1.02	I	1210	(5400)				1.02	I	1210	(5400)	05	**6105DA**	121	C.F.
			1.83	III	2210	(9810)				2.21	III	2210	(9810)	05	**6120DB**	121	AV
			2.17	III	2210	(9810)				2.62	III	2210	(9810)	05	**6125DB**	121	AV
			2.72	III	3310	(14700)				3.28	III	3310	(14700)	05	**6130DC**	121	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

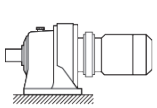
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/2 HP
0.4 kW



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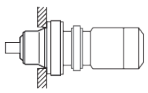

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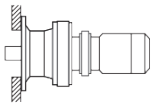


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
10.1	3000	(339)	*	-	751	(3340)	12.2	2490	(281)	*	-	751	(3340)	05	**6095DA**	143	C.F.
			*	-	1210	(5400)				*	-	1210	(5400)	05	**6100DA**	143	C.F.
			*	-	1210	(5400)				1.02	I	1210	(5400)	05	**6105DA**	143	C.F.
			1.55	II	2210	(9810)				1.87	III	2210	(9810)	05	**6120DB**	143	AV
			1.86	III	2210	(9810)				2.24	III	2210	(9810)	05	**6125DB**	143	AV
			2.30	III	3310	(14700)				2.78	III	3310	(14700)	05	**6130DC**	143	C.F.
			2.77	III	3310	(14700)				3.35	III	3310	(14700)	05	**6135DC**	143	C.F.
8.79	3460	(391)	*	-	744	(3310)	10.6	2870	(324)	*	-	1210	(5400)	05	**6100DA**	165	C.F.
			*	-	744	(3310)				*	-	1210	(5400)	05	**6105DA**	165	C.F.
			1.34	II	2210	(9810)				1.62	III	2210	(9810)	05	**6120DB**	165	AV
			1.61	III	2210	(9810)				1.94	III	2210	(9810)	05	**6125DB**	165	AV
			1.99	III	3310	(14700)				2.41	III	3310	(14700)	05	**6130DC**	165	C.F.
			2.40	III	3310	(14700)				2.90	III	3310	(14700)	05	**6135DC**	165	C.F.
7.44	4090	(462)	*	-	732	(3250)	8.97	3390	(383)	*	-	746	(3320)	05	**6100DA**	195	C.F.
			*	-	732	(3250)				*	-	746	(3320)	05	**6105DA**	195	C.F.
			1.14	I	2210	(9810)				1.37	II	2210	(9810)	05	**6120DB**	195	AV
			1.36	II	2210	(9810)				1.64	III	2210	(9810)	05	**6125DB**	195	AV
			1.69	III	3310	(14700)				2.04	III	3310	(14700)	05	**6130DC**	195	C.F.
			2.03	III	3310	(14700)				2.45	III	3310	(14700)	05	**6135DC**	195	C.F.
			2.65	III	3600	(16000)				3.20	III	3600	(16000)	05	**6140DB**	195	AV
			2.94	III	3600	(16000)				3.54	III	3600	(16000)	05	**6145DB**	195	AV
6.28	4850	(548)	*	-	678	(3020)	7.58	4020	(454)	*	-	689	(3070)	05	**6105DA**	231	C.F.
			1.15	I	2210	(9810)				1.39	II	2210	(9810)	05	**6125DB**	231	AV
			1.42	II	3310	(14700)				1.72	III	3310	(14700)	05	**6130DC**	231	C.F.
			1.72	III	3310	(14700)				2.07	III	3310	(14700)	05	**6135DC**	231	C.F.
			2.24	III	3600	(16000)				2.70	III	3600	(16000)	05	**6140DB**	231	AV
			2.44	III	3600	(16000)				2.95	III	3600	(16000)	05	**6145DB**	231	AV
5.31	5730	(647)	*	-	2210	(9810)	6.41	4750	(536)	*	-	2210	(9810)	05	**6120DB**	273	AV
			*	-	2210	(9810)				1.17	I	2210	(9810)	05	**6125DB**	273	AV
			1.21	I	3310	(14700)				1.45	II	3310	(14700)	05	**6130DC**	273	C.F.
			1.45	II	3310	(14700)				1.75	III	3310	(14700)	05	**6135DC**	273	C.F.
			1.89	III	3600	(16000)				2.28	III	3600	(16000)	05	**6140DB**	273	AV
			2.07	III	3600	(16000)				2.49	III	3600	(16000)	05	**6145DB**	273	AV
			2.71	III	4960	(22100)				3.27	III	4960	(22100)	05	**6160DC**	273	AV

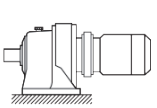
Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:
AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/2 HP
0.4 kW



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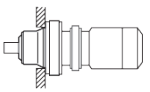

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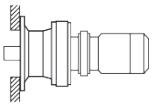


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
4.55	6690	(756)	*	-	2210	(9810)	5.49	5550	(627)	*	-	2210	(9810)	05	**6120DB**	319	AV
			*	-	2210	(9810)				1.01	I	2210	(9810)	05	**6125DB**	319	AV
			1.03	I	3310	(14700)				1.24	I	3310	(14700)	05	**6130DC**	319	C.F.
			1.24	I	3310	(14700)				1.50	II	3310	(14700)	05	**6135DC**	319	C.F.
			1.62	III	3600	(16000)				1.95	III	3600	(16000)	05	**6140DB**	319	AV
			1.81	III	3600	(16000)				2.19	III	3600	(16000)	05	**6145DB**	319	AV
			2.32	III	4960	(22100)				2.80	III	4960	(22100)	05	**6160DC**	319	AV
			2.78	III	4960	(22100)				3.35	III	4960	(22100)	05	**6165DC**	319	AV
3.85	7910	(894)	*	-	2210	(9810)	4.64	6560	(741)	*	-	2210	(9810)	05	**6120DB**	377	AV
			*	-	2210	(9810)				*	-	2210	(9810)	05	**6125DB**	377	AV
			1.05	I	3310	(14700)				1.27	I	3310	(14700)	05	**6135DC**	377	C.F.
			1.37	II	3600	(16000)				1.65	III	3600	(16000)	05	**6140DB**	377	AV
			1.53	II	3600	(16000)				1.85	III	3600	(16000)	05	**6145DB**	377	AV
			1.96	III	4960	(22100)				2.37	III	4960	(22100)	05	**6160DC**	377	AV
			2.35	III	4960	(22100)				2.84	III	4960	(22100)	05	**6165DC**	377	AV
			2.83	III	6630	(29500)				3.42	III	6630	(29500)	05	**6170DC**	377	AV
3.07	9930	(1120)	*	-	1380	(6120)	3.70	8220	(929)	*	-	2210	(9810)	05	**6125DB**	473	AV
			*	-	3310	(14700)				*	-	3310	(14700)	05	**6130DC**	473	C.F.
			*	-	3310	(14700)				1.01	I	3310	(14700)	05	**6135DC**	473	C.F.
			1.09	I	3600	(16000)				1.32	II	3600	(16000)	05	**6140DB**	473	AV
			1.22	I	3600	(16000)				1.47	II	3600	(16000)	05	**6145DB**	473	AV
			1.55	II	4960	(22100)				1.87	III	4960	(22100)	05	**6160DC**	473	AV
			1.87	III	4960	(22100)				2.26	III	4960	(22100)	05	**6165DC**	473	AV
			2.26	III	6630	(29500)				2.72	III	6630	(29500)	05	**6170DC**	473	AV
			2.81	III	6630	(29500)				3.39	III	6630	(29500)	05	**6175DC**	473	AV
2.59	11700	(1330)	*	-	3280	(14600)	3.13	9720	(1100)	*	-	3310	(14700)	05	**6130DC**	559	C.F.
			*	-	3280	(14600)				*	-	3310	(14700)	05	**6135DC**	559	C.F.
			1.03	I	3570	(15900)				1.25	I	3600	(16000)	05	**6145DB**	559	AV
			1.31	II	4960	(22100)				1.58	II	4960	(22100)	05	**6160DC**	559	AV
			1.58	II	4960	(22100)				1.91	III	4960	(22100)	05	**6165DC**	559	AV
			1.91	III	6630	(29500)				2.30	III	6630	(29500)	05	**6170DC**	559	AV
			2.38	III	6630	(29500)				2.87	III	6630	(29500)	05	**6175DC**	559	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

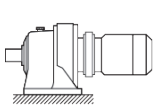
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1/2 HP
0.4 kW



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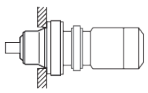

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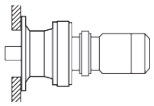


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
2.23	13600	(1540)	*	-	3310	(14700)	2.70	11300	(1280)	*	-	3310	(14700)	05	**6130DC**	649	C.F.
			*	-	3310	(14700)				*	-	3310	(14700)	05	**6135DC**	649	C.F.
			*	-	3600	(16000)				*	-	3600	(16000)	05	**6140DB**	649	AV
			*	-	3600	(16000)				1.07	I	3600	(16000)	05	**6145DB**	649	AV
			1.14	I	4960	(22100)				1.38	II	4960	(22100)	05	**6160DC**	649	AV
			1.36	II	4960	(22100)				1.65	III	4960	(22100)	05	**6165DC**	649	AV
			1.64	III	6630	(29500)				1.98	III	6630	(29500)	05	**6170DC**	649	AV
			2.05	III	6630	(29500)				2.47	III	6630	(29500)	05	**6175DC**	649	AV
1.98	15300	(1730)	*	-	3090	(13800)	2.39	12700	(1440)	*	-	3230	(14400)	05	**6135DC**	731	AV
			*	-	3070	(13700)				*	-	3450	(15400)	05	**6140DB**	731	AV
			*	-	3070	(13700)				*	-	3450	(15400)	05	**6145DB**	731	AV
			1.00	I	4960	(22100)				1.21	I	4960	(22100)	05	**6160DC**	731	AV
			1.21	I	4960	(22100)				1.46	II	4960	(22100)	05	**6165DC**	731	AV
			1.46	II	6630	(29500)				1.76	III	6630	(29500)	05	**6170DC**	731	AV
			1.82	III	6630	(29500)				2.19	III	6630	(29500)	05	**6175DC**	731	AV
1.72	17600	(1990)	*	-	2640	(11700)	2.08	14600	(1650)	*	-	3210	(14300)	05	**6140DB**	841	AV
			*	-	2640	(11700)				*	-	3210	(14300)	05	**6145DB**	841	AV
			1.05	I	4960	(22100)				1.27	I	4960	(22100)	05	**6165DC**	841	C.F.
			1.27	I	6630	(29500)				1.53	II	6630	(29500)	05	**6170DC**	841	C.F.
			1.58	II	6630	(29500)				1.91	III	6630	(29500)	05	**6175DC**	841	C.F.
1.45	21000	(2380)	*	-	2730	(12100)	1.74	17400	(1970)	*	-	3600	(16000)	05	**6145DB**	1003	AV
			*	-	4960	(22100)				*	-	4960	(22100)	05	**6160DC**	1003	AV
			*	-	4960	(22100)				1.07	I	4960	(22100)	05	**6165DC**	1003	AV
			1.06	I	6630	(29500)				1.28	I	6630	(29500)	05	**6170DC**	1003	AV
			1.32	II	6630	(29500)				1.60	III	6630	(29500)	05	**6175DC**	1003	AV
1.16	26200	(2960)	*	-	4910	(21800)	1.40	21700	(2450)	*	-	4960	(22100)	05	**6160DC**	1247	C.F.
			*	-	4910	(21800)				*	-	4960	(22100)	05	**6165DC**	1247	C.F.
			1.07	I	6630	(29500)				1.29	I	6630	(29500)	05	**6175DC**	1247	C.F.
0.980	31000	(3510)	*	-	4400	(19600)	1.18	25700	(2910)	*	-	4610	(20500)	05	**6160DC**	1479	AV
			*	-	4400	(19600)				*	-	4610	(20500)	05	**6165DC**	1479	AV
			*	-	6630	(29500)				*	-	6630	(29500)	05	**6170DC**	1479	AV
			*	-	6630	(29500)				1.08	I	6630	(29500)	05	**6175DC**	1479	AV
0.784	38800	(4380)	*	-	3060	(13600)	0.946	32200	(3630)	*	-	4650	(20700)	05	**6165DC**	1849	AV
			*	-	6630	(29500)				*	-	6630	(29500)	05	**6170DC**	1849	AV
			*	-	6630	(29500)				*	-	6630	(29500)	05	**6175DC**	1849	AV
0.702	43300	(4900)	*	-	6560	(29200)	0.847	35900	(4060)	*	-	6630	(29500)	05	**6170DC**	2065	AV
			*	-	6560	(29200)				*	-	6630	(29500)	05	**6175DC**	2065	AV
0.572	53200	(6020)	*	-	5390	(24000)	0.690	44100	(4980)	*	-	6530	(29100)	05	**6175DC**	2537	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

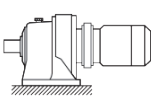
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

3/4 HP
0.55 kW



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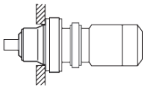

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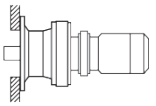


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
242	183	(20.6)	1.08	I	430	(1910)	292	151	(17.1)	1.08	I	404	(1800)	08	**6080**	6	C.F.
			1.41	II	430	(1910)				1.41	II	404	(1800)	08	**6085**	6	C.F.
			2.08	III	642	(2850)				2.08	III	604	(2690)	08	**6090**	6	AV
			2.75	III	642	(2850)				2.75	III	604	(2690)	08	**6095**	6	AV
181	244	(27.5)	1.08	I	465	(2070)	219	202	(22.8)	1.08	I	438	(1950)	08	**6080**	8	C.F.
			1.41	II	465	(2070)				1.41	II	438	(1950)	08	**6085**	8	C.F.
			2.08	III	715	(3180)				2.08	III	673	(2990)	08	**6090**	8	AV
			2.75	III	715	(3180)				2.75	III	673	(2990)	08	**6095**	8	AV
132	335	(37.9)	1.08	I	512	(2280)	159	278	(31.4)	1.08	I	483	(2150)	08	**6080**	11	C.F.
			1.41	II	512	(2280)				1.41	II	483	(2150)	08	**6085**	11	C.F.
			2.08	III	751	(3340)				2.08	III	751	(3340)	08	**6090**	11	AV
			2.75	III	751	(3340)				2.75	III	751	(3340)	08	**6095**	11	AV
112	396	(44.7)	1.08	I	550	(2450)	135	328	(37.1)	1.08	I	518	(2310)	08	**6080**	13	C.F.
			1.41	II	550	(2450)				1.41	II	518	(2310)	08	**6085**	13	C.F.
			2.08	III	751	(3340)				2.08	III	751	(3340)	08	**6090**	13	AV
			2.75	III	751	(3340)				2.75	III	751	(3340)	08	**6095**	13	AV
96.7	457	(51.6)	1.08	I	567	(2520)	117	379	(42.8)	1.08	I	535	(2380)	08	**6080**	15	C.F.
			1.41	II	567	(2520)				1.41	II	535	(2380)	08	**6085**	15	C.F.
			2.08	III	751	(3340)				2.08	III	751	(3340)	08	**6090**	15	AV
			2.75	III	751	(3340)				2.75	III	751	(3340)	08	**6095**	15	AV
85.3	518	(58.5)	1.08	I	576	(2560)	103	429	(48.5)	1.08	I	560	(2490)	08	**6080**	17	C.F.
			1.41	II	576	(2560)				1.41	II	560	(2490)	08	**6085**	17	C.F.
			2.08	III	751	(3340)				2.08	III	751	(3340)	08	**6090**	17	AV
			2.75	III	751	(3340)				2.75	III	751	(3340)	08	**6095**	17	AV
69.0	640	(72.3)	1.00	I	576	(2560)	83.3	530	(59.9)	1.00	I	545	(2430)	08	**6085**	21	C.F.
			1.38	II	751	(3340)				1.38	II	751	(3340)	08	**6090**	21	AV
			2.74	III	751	(3340)				2.75	III	751	(3340)	08	**6095**	21	AV
58.0	761	(86.0)	*	-	565	(2510)	70.0	631	(71.3)	*	-	559	(2490)	08	**6085**	25	C.F.
			1.22	I	751	(3340)				1.22	I	751	(3340)	08	**6090**	25	AV
			1.58	II	751	(3340)				1.58	II	751	(3340)	08	**6095**	25	AV
			2.31	III	1210	(5400)				2.31	III	1210	(5400)	08	**6100**	25	AV
50.0	883	(99.8)	*	-	518	(2300)	60.3	732	(82.7)	*	-	557	(2480)	08	**6085**	29	C.F.
			1.14	I	751	(3340)				1.14	I	751	(3340)	08	**6090**	29	AV
			1.42	II	751	(3340)				1.42	II	751	(3340)	08	**6095**	29	AV
			2.20	III	1210	(5400)				2.20	III	1210	(5400)	08	**6100**	29	AV
			2.89	III	1210	(5400)				2.89	III	1210	(5400)	08	**6105**	29	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

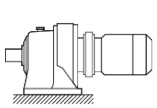
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

3/4 HP
0.55 kW



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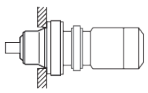

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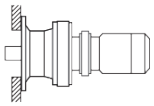


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
41.4	1070	(120)	1.11	I	751	(3340)	50.0	883	(99.8)	1.11	I	751	(3340)	08	**6090**	35	AV
			1.38	II	751	(3340)				1.38	II	751	(3340)	08	**6095**	35	AV
			1.77	III	1210	(5400)				1.77	III	1210	(5400)	08	**6100**	35	AV
			2.18	III	1210	(5400)				2.18	III	1210	(5400)	08	**6105**	35	AV
			2.73	III	1690	(7510)				2.73	III	1690	(7530)	08	**6110**	35	AV
33.7	1310	(148)	1.10	I	746	(3320)	40.7	1090	(123)	1.10	I	751	(3340)	08	**6095**	43	AV
			1.42	II	1210	(5400)				1.42	II	1210	(5400)	08	**6100**	43	AV
			1.97	III	1210	(5400)				1.97	III	1210	(5400)	08	**6105**	43	AV
			2.36	III	1710	(7610)				2.36	III	1710	(7610)	08	**6110**	43	AV
			2.75	III	1710	(7610)				2.75	III	1710	(7610)	08	**6115**	43	AV
28.4	1550	(176)	1.02	I	1210	(5400)	34.3	1290	(145)	1.02	I	1210	(5400)	08	**6100**	51	AV
			1.41	II	1210	(5400)				1.41	II	1210	(5400)	08	**6105**	51	AV
			1.72	III	1710	(7610)				1.72	III	1710	(7610)	08	**6110**	51	AV
			2.02	III	1710	(7610)				2.02	III	1710	(7610)	08	**6115**	51	AV
			2.96	III	2210	(9810)				3.12	III	2210	(9810)	08	**6120**	51	AV
24.6	1800	(203)	1.24	I	1210	(5400)	29.7	1490	(168)	1.29	I	1210	(5400)	08	**6105**	59	AV
			1.56	II	1710	(7610)				1.56	II	1710	(7610)	08	**6110**	59	AV
			1.84	III	1710	(7610)				1.84	III	1710	(7610)	08	**6115**	59	AV
			2.37	III	2210	(9810)				2.37	III	2210	(9810)	08	**6120**	59	AV
			2.95	III	2210	(9810)				2.95	III	2210	(9810)	08	**6125**	59	AV
20.4	2160	(244)	*	-	1210	(5380)	24.6	1790	(202)	1.02	I	1210	(5400)	08	**6105**	71	AV
			1.22	I	1710	(7610)				1.22	I	1710	(7610)	08	**6110**	71	AV
			1.38	II	1710	(7610)				1.38	II	1710	(7610)	08	**6115**	71	AV
			1.74	III	2210	(9810)				1.74	III	2210	(9810)	08	**6120**	71	AV
			2.07	III	2210	(9810)				2.18	III	2210	(9810)	08	**6125**	71	AV
16.7	2650	(299)	*	-	1080	(4800)	20.1	2200	(248)	1.03	I	1210	(5400)	08	**6105**	87	AV
			1.20	I	1710	(7610)				1.20	I	1710	(7610)	08	**6110**	87	AV
			1.38	II	1710	(7610)				1.38	II	1710	(7610)	08	**6115**	87	AV
			1.72	III	2210	(9810)				1.72	III	2210	(9810)	08	**6120**	87	AV
			1.87	III	2210	(9810)				2.05	III	2210	(9810)	08	**6125**	87	AV
			2.58	III	3310	(14700)				2.58	III	3200	(14200)	08	**6130**	87	AV
			3.01	III	3310	(14700)				3.47	III	3200	(14200)	08	**6135**	87	AV
13.9	3000	(339)	1.55	II	2210	(9810)	16.8	2490	(281)	1.87	III	2210	(9810)	08	**6120DB**	104	AV
			1.86	III	2210	(9810)				2.24	III	2210	(9810)	08	**6125DB**	104	AV
			2.30	III	3310	(14700)				2.78	III	3310	(14700)	08	**6130DC**	104	C.F.
			2.75	III	3600	(16000)				2.75	III	3600	(16000)	08	**6140DB**	104	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

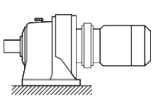
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

3/4 HP
0.55 kW



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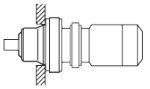

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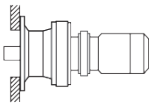


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz						Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
12.0	3490	(394)	1.33	II	2210	(9810)	14.5	2890	(327)	1.61	III	2210	(9810)	08	**6120DB**	121	AV
			1.58	II	2210	(9810)				1.90	III	2210	(9810)	08	**6125DB**	121	AV
			1.98	III	3310	(14700)				2.39	III	3310	(14700)	08	**6130DC**	121	C.F.
			2.38	III	3310	(14700)				2.88	III	3310	(14700)	08	**6135DC**	121	C.F.
			2.75	III	3600	(16000)				2.75	III	3600	(16000)	08	**6140DB**	121	AV
10.1	4130	(466)	1.13	I	2210	(9810)	12.2	3420	(386)	1.36	II	2210	(9810)	08	**6120DB**	143	AV
			1.35	II	2210	(9810)				1.63	III	2210	(9810)	08	**6125DB**	143	AV
			1.67	III	3310	(14700)				2.02	III	3310	(14700)	08	**6130DC**	143	C.F.
			2.02	III	3310	(14700)				2.43	III	3310	(14700)	08	**6135DC**	143	C.F.
			2.63	III	3600	(16000)				2.75	III	3600	(16000)	08	**6140DB**	143	AV
			2.75	III	3600	(16000)				2.75	III	3600	(16000)	08	**6145DB**	143	AV
8.79	4760	(538)	1.17	I	2210	(9810)	10.6	3940	(446)	1.41	II	2210	(9810)	08	**6125DB**	165	AV
			1.45	II	3310	(14700)				1.75	III	3310	(14700)	08	**6130DC**	165	C.F.
			1.75	III	3310	(14700)				2.11	III	3310	(14700)	08	**6135DC**	165	C.F.
			2.28	III	3600	(16000)				2.75	III	3600	(16000)	08	**6140DB**	165	AV
			2.52	III	3600	(16000)				2.75	III	3600	(16000)	08	**6145DB**	165	AV
			3.26	III	4960	(22100)				3.94	III	4960	(22100)	08	**6160DC**	165	C.F.
7.44	5630	(636)	*	-	2210	(9810)	8.97	4660	(527)	1.00	I	2210	(9810)	08	**6120DB**	195	AV
			*	-	2210	(9810)				1.20	I	2210	(9810)	08	**6125DB**	195	AV
			1.23	I	3310	(14700)				1.48	II	3310	(14700)	08	**6130DC**	195	AV
			1.48	II	3310	(14700)				1.78	III	3310	(14700)	08	**6135DC**	195	AV
			1.93	III	3600	(16000)				2.33	III	3600	(16000)	08	**6140DB**	195	AV
			2.14	III	3600	(16000)				2.58	III	3600	(16000)	08	**6145DB**	195	AV
			2.76	III	4960	(22100)				3.33	III	4960	(22100)	08	**6160DC**	195	AV
			3.30	III	4960	(22100)				3.99	III	4960	(22100)	08	**6165DC**	195	AV
6.28	6670	(753)	*	-	2210	(9810)	7.58	5520	(624)	*	-	2210	(9810)	08	**6120DB**	231	AV
			*	-	2210	(9810)				1.01	I	2210	(9810)	08	**6125DB**	231	AV
			1.04	I	3310	(14700)				1.25	I	3310	(14700)	08	**6130DC**	231	C.F.
			1.25	I	3310	(14700)				1.51	II	3310	(14700)	08	**6135DC**	231	C.F.
			1.63	III	3600	(16000)				1.96	III	3600	(16000)	08	**6140DB**	231	AV
			1.78	III	3600	(16000)				2.14	III	3600	(16000)	08	**6145DB**	231	AV
			2.33	III	4960	(22100)				2.81	III	4960	(22100)	08	**6160DC**	231	C.F.
			2.79	III	4960	(22100)				3.37	III	4960	(22100)	08	**6165DC**	231	C.F.
5.31	7880	(890)	1.06	I	3310	(14700)	6.41	6530	(737)	1.27	I	3310	(14700)	08	**6135DC**	273	AV
			1.38	II	3600	(16000)				1.66	III	3600	(16000)	08	**6140DB**	273	AV
			1.50	II	3600	(16000)				1.81	III	3600	(16000)	08	**6145DB**	273	AV
			1.97	III	4960	(22100)				2.38	III	4960	(22100)	08	**6160DC**	273	AV
			2.36	III	4960	(22100)				2.85	III	4960	(22100)	08	**6165DC**	273	AV
			2.84	III	6630	(29500)				3.43	III	6630	(29500)	08	**6170DC**	273	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

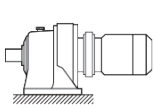
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

3/4 HP
0.55 kW



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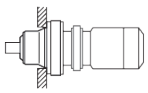

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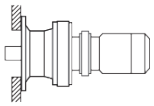


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
4.55	9200	(1040)	*	-	878	(3910)	5.49	7630	(862)	*	-	2210	(9810)	08	**6125DB**	319	AV
			*	-	3310	(14700)				*	-	3310	(14700)	08	**6130DC**	319	C.F.
			*	-	3310	(14700)				1.09	I	3310	(14700)	08	**6135DC**	319	C.F.
			1.18	I	3600	(16000)				1.42	II	3600	(16000)	08	**6140DB**	319	AV
			1.32	II	3600	(16000)				1.59	II	3600	(16000)	08	**6145DB**	319	AV
			1.69	III	4960	(22100)				2.04	III	4960	(22100)	08	**6160DC**	319	C.F.
			2.02	III	4960	(22100)				2.44	III	4960	(22100)	08	**6165DC**	319	C.F.
			2.43	III	6630	(29500)				2.94	III	6630	(29500)	08	**6170DC**	319	C.F.
			3.03	III	6630	(29500)				3.66	III	6630	(29500)	08	**6175DC**	319	C.F.
3.85	10900	(1230)	*	-	3310	(14700)	4.64	9010	(1020)	*	-	3310	(14700)	08	**6130DC**	377	AV
			*	-	3310	(14700)				*	-	3310	(14700)	08	**6135DC**	377	AV
			1.00	I	3600	(16000)				1.20	I	3600	(16000)	08	**6140DB**	377	AV
			1.11	I	3600	(16000)				1.35	II	3600	(16000)	08	**6145DB**	377	AV
			1.43	II	4960	(22100)				1.72	III	4960	(22100)	08	**6160DC**	377	AV
			1.71	III	4960	(22100)				2.06	III	4960	(22100)	08	**6165DC**	377	AV
			2.06	III	6630	(29500)				2.48	III	6630	(29500)	08	**6170DC**	377	AV
			2.56	III	6630	(29500)				3.09	III	6630	(29500)	08	**6175DC**	377	AV
3.07	13600	(1540)	*	-	3180	(14200)	3.70	11300	(1280)	*	-	3310	(14700)	08	**6135DC**	473	C.F.
			*	-	3330	(14800)				*	-	3590	(16000)	08	**6140DB**	473	AV
			*	-	3330	(14800)				1.07	I	3590	(16000)	08	**6145DB**	473	AV
			1.13	I	4960	(22100)				1.36	II	4960	(22100)	08	**6160DC**	473	C.F.
			1.36	II	4960	(22100)				1.64	III	4960	(22100)	08	**6165DC**	473	C.F.
			1.64	III	6630	(29500)				1.98	III	6630	(29500)	08	**6170DC**	473	C.F.
			2.04	III	6630	(29500)				2.47	III	6630	(29500)	08	**6175DC**	473	C.F.
2.59	16100	(1820)	*	-	2930	(13100)	3.13	13400	(1510)	*	-	3370	(15000)	08	**6140DB**	559	AV
			*	-	2930	(13100)				*	-	3370	(15000)	08	**6145DB**	559	AV
			1.15	I	4960	(22100)				1.39	II	4960	(22100)	08	**6165DC**	559	AV
			1.39	II	6630	(29500)				1.68	III	6630	(29500)	08	**6170DC**	559	AV
			1.73	III	6630	(29500)				2.09	III	6630	(29500)	08	**6175DC**	559	AV
2.23	18700	(2120)	*	-	3600	(16000)	2.70	15500	(1750)	*	-	3600	(16000)	08	**6145DB**	649	AV
			*	-	4960	(22100)				1.00	I	4960	(22100)	08	**6160DC**	649	C.F.
			*	-	4960	(22100)				1.20	I	4960	(22100)	08	**6165DC**	649	C.F.
			1.20	I	6630	(29500)				1.44	II	6630	(29500)	08	**6170DC**	649	C.F.
			1.49	II	6630	(29500)				1.80	III	6630	(29500)	08	**6175DC**	649	C.F.
1.98	21100	(2380)	*	-	4960	(22100)	2.39	17500	(1970)	*	-	4960	(22100)	08	**6160DC**	731	AV
			*	-	4960	(22100)				1.06	I	4960	(22100)	08	**6165DC**	731	AV
			1.06	I	6630	(29500)				1.28	I	6630	(29500)	08	**6170DC**	731	AV
			1.32	II	6630	(29500)				1.60	III	6630	(29500)	08	**6175DC**	731	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

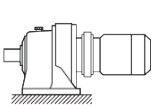
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

3/4 HP
0.55 kW



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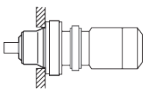

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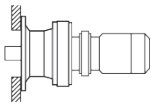

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	**Output Torque**		**Service Factor[1]**		**Solid Shaft Overhung Load**		**Output Speed (RPM)**	**Output Torque**		**Service Factor[1]**		**Solid Shaft Overhung Load**		**Base**			**VFD[2]**
	in•lbs	***(N•m)***	**SF**	**AGMA Class**	**lbs**	***(N)***		**in•lbs**	***(N•m)***	**SF**	**AGMA Class**	**lbs**	***(N)***	**Motor Power Code**	**Frame Size**	**Ratio**	
1.72	24300	*(2740)*	*	-	4960	*(22100)*	2.08	20100	*(2270)*	*	-	4960	*(22100)*	08	**6160DC**	841	AV
			*	-	4960	*(22100)*				*	-	4960	*(22100)*	08	**6165DC**	841	AV
			1.15	I	6630	*(29500)*				1.39	II	6630	*(29500)*	08	**6175DC**	841	AV
1.45	28900	*(3270)*	*	-	4960	*(22100)*	1.74	24000	*(2710)*	*	-	4960	*(22100)*	08	**6165DC**	1003	AV
			*	-	6630	*(29500)*				*	-	6630	*(29500)*	08	**6170DC**	1003	AV
			*	-	6630	*(29500)*				1.16	I	6630	*(29500)*	08	**6175DC**	1003	AV
1.16	36000	*(4070)*	*	-	6630	*(29500)*	1.40	29800	*(3370)*	*	-	6630	*(29500)*	08	**6170DC**	1247	AV
			*	-	6630	*(29500)*				*	-	6630	*(29500)*	08	**6175DC**	1247	AV
0.980	42700	*(4820)*	*	-	6480	*(28800)*	1.18	35400	*(4000)*	*	-	6630	*(29500)*	08	**6175DC**	1479	AV

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

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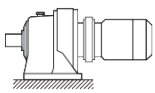
Selection Tables

1 HP
0.75 kW



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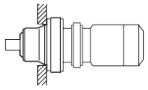

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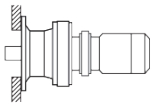


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz						Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base		VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
242	249	(28.2)	1.04	I	427	(1900)	292	206	(23.3)	1.04	I	402	(1790)	1	**6085**	6	
			1.53	II	639	(2840)				1.53	II	601	(2670)	1	**6090**	6	
			2.02	III	639	(2840)				2.02	III	601	(2670)	1	**6095**	6	
181	332	(37.5)	1.04	I	461	(2050)	219	275	(31.1)	1.04	I	435	(1930)	1	**6085**	8	
			1.53	II	711	(3160)				1.53	II	669	(2980)	1	**6090**	8	
			2.02	III	711	(3160)				2.02	III	669	(2980)	1	**6095**	8	
132	457	(51.6)	1.04	I	507	(2250)	159	379	(42.8)	1.04	I	478	(2130)	1	**6085**	11	
			1.53	II	751	(3340)				1.53	II	751	(3340)	1	**6090**	11	
			2.02	III	751	(3340)				2.02	III	751	(3340)	1	**6095**	11	
112	540	(61.0)	1.04	I	543	(2410)	135	447	(50.5)	1.04	I	513	(2280)	1	**6085**	13	
			1.53	II	751	(3340)				1.53	II	751	(3340)	1	**6090**	13	
			2.02	III	751	(3340)				2.02	III	751	(3340)	1	**6095**	13	
96.7	623	(70.4)	1.04	I	559	(2490)	117	516	(58.3)	1.04	I	528	(2350)	1	**6085**	15	
			1.53	II	751	(3340)				1.53	II	751	(3340)	1	**6090**	15	
			2.02	III	751	(3340)				2.02	III	751	(3340)	1	**6095**	15	
85.3	706	(79.8)	1.04	I	576	(2560)	103	585	(66.1)	1.04	I	552	(2460)	1	**6085**	17	
			1.53	II	751	(3340)				1.53	II	751	(3340)	1	**6090**	17	
			2.02	III	751	(3340)				2.02	III	751	(3340)	1	**6095**	17	
			2.65	III	1210	(5400)				2.65	III	1210	(5400)	1	**6100**	17	
69.0	872	(98.5)	1.01	I	751	(3340)	83.3	723	(81.7)	1.01	I	751	(3340)	1	**6090**	21	
			2.01	III	751	(3340)				2.02	III	751	(3340)	1	**6095**	21	
			2.54	III	1210	(5400)				2.57	III	1210	(5400)	1	**6100**	21	
58.0	1040	(117)	1.16	I	751	(3340)	70.0	860	(97.2)	1.16	I	751	(3340)	1	**6095**	25	
			1.69	III	1210	(5400)				1.69	III	1210	(5400)	1	**6100**	25	
			2.23	III	1210	(5400)				2.23	III	1210	(5400)	1	**6105**	25	
			2.55	III	1630	(7240)				2.55	III	1530	(6810)	1	**6110**	25	
			2.96	III	1630	(7240)				2.96	III	1530	(6810)	1	**6115**	25	
50.0	1200	(136)	1.04	I	746	(3320)	60.3	998	(113)	1.04	I	751	(3340)	1	**6095**	29	
			1.61	III	1210	(5400)				1.61	III	1210	(5400)	1	**6100**	29	
			2.12	III	1210	(5400)				2.12	III	1210	(5400)	1	**6105**	29	
			2.54	III	1670	(7410)				2.54	III	1570	(7000)	1	**6110**	29	
			2.96	III	1670	(7410)				2.96	III	1570	(7000)	1	**6115**	29	
41.4	1450	(164)	1.01	I	736	(3270)	50.0	1200	(136)	1.01	I	748	(3330)	1	**6095**	35	
			1.30	II	1210	(5400)				1.30	II	1210	(5400)	1	**6100**	35	
			1.60	III	1210	(5400)				1.60	III	1210	(5400)	1	**6105**	35	
			2.00	III	1680	(7470)				2.00	III	1680	(7490)	1	**6110**	35	
			2.41	III	1680	(7470)				2.41	III	1680	(7490)	1	**6115**	35	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

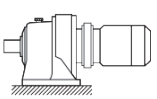
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1 HP
0.75 kW



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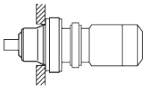

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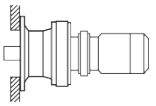


V

Dimension Pages:
Foot Mount (H) 2.100 - 2.129
V-Flange Mount (V) 2.130 - 2.159
F-Flange Mount (F) 2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
33.7	1790	*(202)*	0.80	-	722	*(3210)*	40.7	1480	*(167)*	0.80	-	738	*(3280)*	1	**6095**	43	
			1.04	I	1210	*(5400)*				1.04	I	1210	*(5400)*	1	**6100**	43	
			1.45	II	1210	*(5400)*				1.45	II	1210	*(5400)*	1	**6105**	43	
			1.73	III	1710	*(7610)*				1.73	III	1710	*(7610)*	1	**6110**	43	
			2.02	III	1710	*(7610)*				2.02	III	1710	*(7610)*	1	**6115**	43	
			2.55	III	2210	*(9810)*				2.55	III	2170	*(9640)*	1	**6120**	43	
28.4	2120	*(239)*	1.03	I	1210	*(5400)*	34.3	1760	*(198)*	1.03	I	1210	*(5390)*	1	**6105**	51	
			1.26	I	1710	*(7610)*				1.26	I	1710	*(7610)*	1	**6110**	51	
			1.48	II	1710	*(7610)*				1.48	II	1710	*(7610)*	1	**6115**	51	
			2.17	III	2210	*(9810)*				2.29	III	2210	*(9810)*	1	**6120**	51	
			2.63	III	2210	*(9810)*				3.04	III	2210	*(9810)*	1	**6125**	51	
24.6	2450	*(277)*	0.91	-	1210	*(5400)*	29.7	2030	*(229)*	0.94	-	1210	*(5370)*	1	**6105**	59	
			1.15	I	1710	*(7610)*				1.15	I	1710	*(7610)*	1	**6110**	59	
			1.35	II	1710	*(7610)*				1.35	II	1710	*(7610)*	1	**6115**	59	
			1.74	III	2210	*(9810)*				1.74	III	2210	*(9810)*	1	**6120**	59	
			2.16	III	2210	*(9810)*				2.16	III	2210	*(9810)*	1	**6125**	59	
			2.82	III	2970	*(13200)*				2.91	III	2790	*(12400)*	1	**6130**	59	
20.4	2950	*(333)*	1.01	I	1710	*(7610)*	24.6	2440	*(276)*	1.01	I	1710	*(7610)*	1	**6115**	71	
			1.28	I	2210	*(9810)*				1.28	I	2210	*(9810)*	1	**6120**	71	
			1.52	II	2210	*(9810)*				1.60	III	2210	*(9810)*	1	**6125**	71	
			2.34	III	3140	*(14000)*				2.44	III	2950	*(13100)*	1	**6130**	71	
			2.70	III	3140	*(14000)*				2.89	III	2950	*(13100)*	1	**6135**	71	
16.7	3610	*(408)*	1.01	I	1700	*(7550)*	20.1	2990	*(338)*	1.01	I	1710	*(7610)*	1	**6115**	87	
			1.26	I	2210	*(9810)*				1.26	I	2210	*(9810)*	1	**6120**	87	
			1.37	II	2210	*(9810)*				1.51	II	2210	*(9810)*	1	**6125**	87	
			1.89	III	3310	*(14700)*				1.89	III	3190	*(14200)*	1	**6130**	87	
			2.20	III	3310	*(14700)*				2.55	III	3190	*(14200)*	1	**6135**	87	
			2.64	III	3600	*(16000)*				2.64	III	3600	*(16000)*	1	**6140**	87	
			2.88	III	3600	*(16000)*				3.31	III	3600	*(16000)*	1	**6145**	87	
13.9	4090	*(462)*	1.14	I	2210	*(9810)*	16.8	3390	*(383)*	1.37	II	2210	*(9810)*	1	**6120DB**	104	
			1.36	II	2210	*(9810)*				1.64	III	2210	*(9810)*	1	**6125DB**	104	
			1.69	III	3310	*(14700)*				2.04	III	3310	*(14700)*	1	**6130DC**	104	
			2.03	III	3310	*(14700)*				2.45	III	3310	*(14700)*	1	**6135DC**	104	
12.0	4760	*(538)*	1.16	I	2210	*(9810)*	14.5	3940	*(446)*	1.40	II	2210	*(9810)*	1	**6125DB**	121	
			1.45	II	3310	*(14700)*				1.75	III	3310	*(14700)*	1	**6130DC**	121	
			1.75	III	3310	*(14700)*				2.11	III	3310	*(14700)*	1	**6135DC**	121	

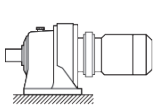
Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:
AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1 HP
0.75 kW



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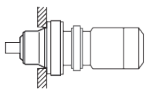

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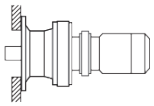


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
10.1	4650	(525)	*	-	2210	(9810)	12.2	4660	(527)	1.00	I	2210	(9810)	1	**6120DB**	143	
	5630	(636)	0.99	-	2210	(9810)				1.20	I	2210	(9810)	1	**6125DB**	143	
			1.23	I	3310	(14700)				1.48	II	3310	(14700)	1	**6130DC**	143	
			1.48	II	3310	(14700)				1.78	III	3310	(14700)	1	**6135DC**	143	
			1.93	III	3600	(16000)				2.02	III	3600	(16000)	1	**6140DB**	143	
			2.02	III	3600	(16000)				2.02	III	3600	(16000)	1	**6145DB**	143	
			2.76	III	4960	(22100)				3.33	III	4960	(22100)	1	**6160DC**	143	
8.79	4650	(525)	*	-	2210	(9810)	10.6	4650	(525)	*	-	2210	(9810)	1	**6120DB**	165	
	6490	(734)	0.86	-	2210	(9810)		5380	(608)	1.04	I	2210	(9810)	1	**6125DB**	165	
			1.06	I	3310	(14700)				1.28	I	3310	(14700)	1	**6130DC**	165	
			1.28	I	3310	(14700)				1.55	II	3310	(14700)	1	**6135DC**	165	
			1.67	III	3600	(16000)				2.02	III	3600	(16000)	1	**6140DB**	165	
			1.85	III	3600	(16000)				2.02	III	3600	(16000)	1	**6145DB**	165	
			2.39	III	4960	(22100)				2.89	III	4960	(22100)	1	**6160DC**	165	
			2.86	III	4960	(22100)				3.46	III	4960	(22100)	1	**6165DC**	165	
7.44	5580	(630)	*	-	2210	(9810)	8.97	5580	(630)	*	-	2210	(9810)	1	**6125DB**	195	
	7670	(867)	1.08	I	3310	(14700)		6360	(718)	1.31	II	3310	(14700)	1	**6135DC**	195	
			1.41	II	3600	(16000)				1.71	III	3600	(16000)	1	**6140DB**	195	
			1.57	II	3600	(16000)				1.89	III	3600	(16000)	1	**6145DB**	195	
			2.02	III	4960	(22100)				2.44	III	4960	(22100)	1	**6160DC**	195	
			2.42	III	4960	(22100)				2.92	III	4960	(22100)	1	**6165DC**	195	
			2.92	III	6630	(29500)				3.52	III	6630	(29500)	1	**6170DC**	195	
6.28	5580	(630)	*	-	2210	(9810)	7.58	5580	(630)	*	-	2210	(9810)	1	**6125DB**	231	
	6900	(780)	*	-	3310	(14700)		6900	(780)	*	-	3310	(14700)	1	**6130DC**	231	
	9090	(1030)	0.92	-	3310	(14700)		7530	(851)	1.10	I	3310	(14700)	1	**6135DC**	231	
			1.19	I	3600	(16000)				1.44	II	3600	(16000)	1	**6140DB**	231	
			1.30	II	3600	(16000)				1.57	II	3600	(16000)	1	**6145DB**	231	
			1.71	III	4960	(22100)				2.06	III	4960	(22100)	1	**6160DC**	231	
			2.04	III	4960	(22100)				2.47	III	4960	(22100)	1	**6165DC**	231	
			2.46	III	6630	(29500)				2.97	III	6630	(29500)	1	**6170DC**	231	
5.31	6900	(780)	*	-	3310	(14700)	6.41	6900	(780)	*	-	3310	(14700)	1	**6130DC**	273	
	8320	(940)	*	-	3310	(14700)		8320	(940)	*	-	3310	(14700)	1	**6135DC**	273	
	10700	(1210)	1.01	I	3600	(16000)		8900	(1010)	1.22	I	3600	(16000)	1	**6140DB**	273	
			1.10	I	3600	(16000)				1.33	II	3600	(16000)	1	**6145DB**	273	
			1.45	II	4960	(22100)				1.75	III	4960	(22100)	1	**6160DC**	273	
			1.73	III	4960	(22100)				2.09	III	4960	(22100)	1	**6165DC**	273	
			2.08	III	6630	(29500)				2.52	III	6630	(29500)	1	**6170DC**	273	
			2.60	III	6630	(29500)				3.13	III	6630	(29500)	1	**6175DC**	273	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

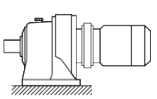
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1 HP
0.75 kW



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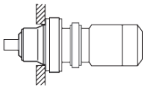

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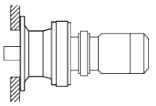


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
4.55	8320	(940)	*	-	3310	(14700)	5.49	8320	(940)	*	-	3310	(14700)	1	**6135DC**	319	
	12600	(1420)	0.97	-	3490	(15500)		10400	(1180)	1.17	I	3600	(16000)	1	**6145DB**	319	
			1.24	I	4960	(22100)				1.49	II	4960	(22100)	1	**6160DC**	319	
			1.48	II	4960	(22100)				1.79	III	4960	(22100)	1	**6165DC**	319	
			1.78	III	6630	(29500)				2.15	III	6630	(29500)	1	**6170DC**	319	
			2.22	III	6630	(29500)				2.68	III	6630	(29500)	1	**6175DC**	319	
			2.86	III	9380	(41700)				3.45	III	9380	(41700)	1	**6180DB**	319	
3.85	10800	(1230)	*	-	3600	(16000)	4.64	10800	(1230)	*	-	3600	(16000)	1	**6140DB**	377	
	12100	(1370)	*	-	3540	(15800)		12300	(1390)	0.99	-	3520	(15700)	1	**6145DB**	377	
	14800	(1680)	1.05	I	4960	(22100)				1.26	I	4960	(22100)	1	**6160DC**	377	
			1.25	I	4960	(22100)				1.51	II	4960	(22100)	1	**6165DC**	377	
			1.51	II	6630	(29500)				1.82	III	6630	(29500)	1	**6170DC**	377	
			1.88	III	6630	(29500)				2.27	III	6630	(29500)	1	**6175DC**	377	
			2.42	III	9380	(41700)				2.92	III	9380	(41700)	1	**6180DB**	377	
			2.98	III	9380	(41700)				3.60	III	9380	(41700)	1	**6185DB**	377	
3.07	12100	(1370)	*	-	3520	(15700)	3.70	12100	(1370)	*	-	3520	(15700)	1	**6145DB**	473	
	15400	(1740)	*	-	4960	(22100)		15400	(1740)	1.00	I	4960	(22100)	1	**6160DC**	473	
	18600	(2100)	1.00	I	4960	(22100)				1.21	I	4960	(22100)	1	**6165DC**	473	
			1.20	I	6630	(29500)				1.45	II	6630	(29500)	1	**6170DC**	473	
			1.50	II	6630	(29500)				1.81	III	6630	(29500)	1	**6175DC**	473	
			1.93	III	9380	(41700)				2.33	III	9380	(41700)	1	**6180DB**	473	
			2.38	III	9380	(41700)				2.87	III	9380	(41700)	1	**6185DB**	473	
2.59	15400	(1740)	*	-	4960	(22100)	3.13	15400	(1740)	*	-	4960	(22100)	1	**6160DC**	559	
	22000	(2490)	0.85	-	4960	(22100)		18200	(2060)	1.02	I	4960	(22100)	1	**6165DC**	559	
			1.02	I	6630	(29500)				1.23	I	6630	(29500)	1	**6170DC**	559	
			1.27	I	6630	(29500)				1.53	II	6630	(29500)	1	**6175DC**	559	
			1.63	III	9380	(41700)				1.97	III	9380	(41700)	1	**6180DB**	559	
			2.01	III	9380	(41700)				2.43	III	9380	(41700)	1	**6185DB**	559	
			2.57	III	13300	(59000)				3.10	III	13300	(59000)	1	**6190DA**	559	
2.23	18600	(2100)	*	-	4960	(22100)	2.70	18600	(2100)	*	-	4960	(22100)	1	**6165DC**	649	
	25500	(2890)	1.09	I	6630	(29500)		21200	(2390)	1.32	II	6630	(29500)	1	**6175DC**	649	
			1.40	II	9380	(41700)				1.69	III	9380	(41700)	1	**6180DB**	649	
			1.73	III	9380	(41700)				2.09	III	9380	(41700)	1	**6185DB**	649	
			2.21	III	13300	(59000)				2.67	III	13300	(59000)	1	**6190DA**	649	
			2.76	III	13300	(59000)				3.33	III	13300	(59000)	1	**6195DA**	649	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

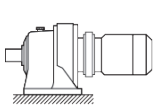
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1 HP
0.75 kW



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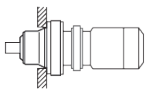

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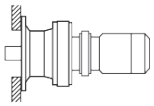


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
1.98	18600	(2100)	*	-	4960	(22100)	2.39	18600	(2100)	*	-	4960	(22100)	1	**6165DC**	731	
	22400	(2530)	*	-	6630	(29500)		22400	(2530)	*	-	6630	(29500)	1	**6170DA**	731	
	28800	(3250)	0.97	-	6630	(29500)		23800	(2690)	1.17	I	6630	(29500)	1	**6175DC**	731	
			1.25	I	9380	(41700)				1.51	II	9380	(41700)	1	**6180DB**	731	
			1.54	II	9380	(41700)				1.86	III	9380	(41700)	1	**6185DB**	731	
			1.96	III	13300	(59000)				2.37	III	13300	(59000)	1	**6190DA**	731	
			2.45	III	13300	(59000)				2.96	III	13300	(59000)	1	**6195DA**	731	
1.72	22400	(2530)	*	-	6630	(29500)	2.08	22400	(2530)	*	-	6630	(29500)	1	**6170DA**	841	
	33100	(3740)	0.84	-	6630	(29500)		27400	(3100)	1.02	I	6630	(29500)	1	**6175DC**	841	
			1.08	I	9380	(41700)				1.31	II	9380	(41700)	1	**6180DB**	841	
			1.34	II	9380	(41700)				1.61	III	9380	(41700)	1	**6185DB**	841	
			1.71	III	13300	(59000)				2.06	III	13300	(59000)	1	**6190DA**	841	
			2.13	III	13300	(59000)				2.57	III	13300	(59000)	1	**6195DA**	841	
1.45	27900	(3150)	*	-	6630	(29500)	1.74	27900	(3150)	*	-	6630	(29500)	1	**6175DC**	1003	
	39500	(4460)	1.12	I	9380	(41700)		32700	(3690)	1.35	II	9380	(41700)	1	**6185DB**	1003	
			1.43	II	13300	(59000)				1.73	III	13300	(59000)	1	**6190DA**	1003	
			1.79	III	13300	(59000)				2.15	III	13300	(59000)	1	**6195DA**	1003	
1.16	35900	(4060)	*	-	9380	(41700)	1.40	35900	(4060)	*	-	9380	(41700)	1	**6180DB**	1247	
	49100	(5540)	0.90	-	9380	(41700)		40700	(4590)	1.09	I	9380	(41700)	1	**6185DB**	1247	
			1.15	I	13300	(59000)				1.39	II	13300	(59000)	1	**6190DA**	1247	
			1.44	II	13300	(59000)				1.73	III	13300	(59000)	1	**6195DA**	1247	
0.980	35900	(4060)	*	-	9380	(41700)	1.18	35900	(4060)	*	-	9380	(41700)	1	**6180DB**	1479	
	44300	(5000)	*	-	9380	(41700)		44300	(5000)	*	-	9380	(41700)	1	**6185DB**	1479	
	58200	(6580)	1.21	I	13200	(58800)		48200	(5450)	1.46	II	13300	(59000)	1	**6195DA**	1479	
0.784	44300	(5000)	*	-	9380	(41700)	0.946	44300	(5000)	*	-	9380	(41700)	1	**6185DB**	1849	
	56500	(6380)	*	-	13300	(59000)		56500	(6380)	*	-	13300	(59000)	1	**6190DA**	1849	
	72800	(8220)	0.97	-	13200	(58900)		60300	(6810)	1.17	I	13300	(59000)	1	**6195DA**	1849	
0.702	44300	(5000)	*	-	9350	(41600)	0.847	44300	(5000)	*	-	9350	(41600)	1	**6185DB**	2065	
	56500	(6380)	*	-	13200	(58600)		56500	(6380)	*	-	13200	(58600)	1	**6190DA**	2065	
	81300	(9180)	0.87	-	13000	(57800)		67300	(7610)	1.05	I	13100	(58200)	1	**6195DA**	2065	
0.572	56500	(6380)	*	-	13200	(58600)	0.690	56500	(6380)	*	-	13200	(58600)	1	**6190DA**	2537	
	70500	(7960)	*	-	13100	(58100)		70500	(7960)	*	-	13100	(58100)	1	**6195DA**	2537	
	82300	(9300)	*	-	18900	(84100)		82700	(9350)	1.00	I	18900	(84100)	1	**6205DA**	2537	
0.476	56500	(6380)	*	-	13200	(58900)	0.575	56500	(6380)	*	-	13200	(58900)	1	**6190DA**	3045	
	70500	(7960)	*	-	13100	(58400)		70500	(7960)	*	-	13100	(58400)	1	**6195DA**	3045	
	77500	(8760)	*	-	18900	(84100)		77500	(8760)	*	-	18900	(84100)	1	**6205DA**	3045	
0.417	56500	(6380)	*	-	13200	(58600)	0.503	56500	(6380)	*	-	13200	(58600)	1	**6190DA**	3481	
	70500	(7960)	*	-	13100	(58100)		70500	(7960)	*	-	13100	(58100)	1	**6195DA**	3481	
	82300	(9300)	*	-	18900	(84100)		82300	(9300)	*	-	18900	(84100)	1	**6205DA**	3481	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

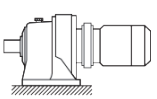
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1 HP
0.75 kW



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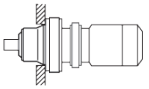

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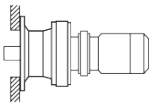

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
0.327	56500	*(6380)*	*	-	13200	*(58900)*	0.394	56500	*(6380)*	*	-	13200	*(58900)*	1	**6190DA**	4437	
	70500	*(7960)*	*	-	13100	*(58400)*		70500	*(7960)*	*	-	13100	*(58400)*	1	**6195DA**	4437	
	77500	*(8760)*	*	-	18900	*(84100)*		77500	*(8760)*	*	-	18900	*(84100)*	1	**6205DA**	4437	
0.282	56500	*(6380)*	*	-	13200	*(58900)*	0.341	56500	*(6380)*	*	-	13200	*(58900)*	1	**6190DA**	5133	
	70500	*(7960)*	*	-	13100	*(58400)*		70500	*(7960)*	*	-	13100	*(58400)*	1	**6195DA**	5133	
	82300	*(9300)*	*	-	18900	*(84100)*		82300	*(9300)*	*	-	18900	*(84100)*	1	**6205DA**	5133	
0.235	56500	*(6380)*	*	-	13200	*(58900)*	0.283	56500	*(6380)*	*	-	13200	*(58900)*	1	**6190DA**	6177	
	70500	*(7960)*	*	-	13100	*(58400)*		70500	*(7960)*	*	-	13100	*(58400)*	1	**6195DA**	6177	
	77500	*(8760)*	*	-	18900	*(84100)*		77500	*(8760)*	*	-	18900	*(84100)*	1	**6205DA**	6177	
0.192	56500	*(6380)*	*	-	13200	*(58900)*	0.231	56500	*(6380)*	*	-	13200	*(58900)*	1	**6190DA**	7569	
	70500	*(7960)*	*	-	13100	*(58400)*		70500	*(7960)*	*	-	13100	*(58400)*	1	**6195DA**	7569	
	77500	*(8760)*	*	-	18900	*(84100)*		77500	*(8760)*	*	-	18900	*(84100)*	1	**6205DA**	7569	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:

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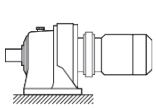
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1.5 HP
1.1 kW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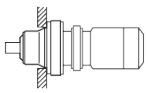
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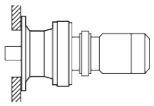

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
483	183	(20.6)	2.14	III	731	(3250)	583	151	(17.1)	2.14	III	688	(3060)	1H	**6100**	3	
290	305	(34.4)	2.14	III	866	(3850)	350	252	(28.5)	2.14	III	814	(3620)	1H	**6100**	5	
242	365	(41.3)	1.04	I	633	(2820)	292	303	(34.2)	1.04	I	596	(2650)	1H	**6090**	6	
			1.38	II	633	(2820)				1.38	II	596	(2650)	1H	**6095**	6	
			2.13	III	932	(4140)				2.13	III	876	(3900)	1H	**6100**	6	
			2.89	III	932	(4140)				2.89	III	876	(3900)	1H	**6105**	6	
181	487	(55.1)	1.04	I	703	(3130)	219	404	(45.6)	1.04	I	663	(2950)	1H	**6090**	8	
			1.38	II	703	(3130)				1.38	II	663	(2950)	1H	**6095**	8	
			2.13	III	1040	(4620)				2.13	III	978	(4350)	1H	**6100**	8	
			2.89	III	1040	(4620)				2.89	III	978	(4350)	1H	**6105**	8	
132	670	(75.7)	1.04	I	751	(3340)	159	555	(62.7)	1.04	I	751	(3340)	1H	**6090**	11	
			1.38	II	751	(3340)				1.38	II	751	(3340)	1H	**6095**	11	
			2.13	III	1180	(5250)				2.13	III	1110	(4950)	1H	**6100**	11	
			2.89	III	1180	(5250)				2.89	III	1110	(4950)	1H	**6105**	11	
112	792	(89.5)	1.04	I	751	(3340)	135	656	(74.1)	1.04	I	751	(3340)	1H	**6090**	13	
			1.38	II	751	(3340)				1.38	II	751	(3340)	1H	**6095**	13	
			2.13	III	1210	(5400)				2.13	III	1160	(5140)	1H	**6100**	13	
			2.89	III	1210	(5400)				2.89	III	1160	(5140)	1H	**6105**	13	
96.7	914	(103)	1.04	I	751	(3340)	117	757	(85.5)	1.04	I	751	(3340)	1H	**6090**	15	
			1.38	II	751	(3340)				1.38	II	751	(3340)	1H	**6095**	15	
			2.13	III	1210	(5400)				2.13	III	1210	(5400)	1H	**6100**	15	
			2.89	III	1210	(5400)				2.89	III	1210	(5400)	1H	**6105**	15	
85.3	1040	(117)	1.04	I	751	(3340)	103	858	(96.9)	1.04	I	751	(3340)	1H	**6090**	17	
			1.38	II	751	(3340)				1.38	II	751	(3340)	1H	**6095**	17	
			1.81	III	1210	(5400)				1.81	III	1210	(5400)	1H	**6100**	17	
			2.23	III	1210	(5400)				2.23	III	1210	(5400)	1H	**6105**	17	
			2.89	III	1500	(6660)				2.89	III	1410	(6270)	1H	**6110**	17	
69.0	1280	(145)	1.37	II	751	(3340)	83.3	1060	(120)	1.38	II	751	(3340)	1H	**6095**	21	
			1.73	III	1210	(5400)				1.75	III	1210	(5400)	1H	**6100**	21	
			2.08	III	1210	(5400)				2.12	III	1210	(5400)	1H	**6105**	21	
			2.48	III	1590	(7080)				2.48	III	1500	(6670)	1H	**6110**	21	
			2.83	III	1590	(7080)				2.83	III	1500	(6670)	1H	**6115**	21	
58.0	1520	(172)	1.15	I	1210	(5400)	70.0	1260	(143)	1.15	I	1210	(5400)	1H	**6100**	25	
			1.52	II	1210	(5400)				1.52	II	1210	(5400)	1H	**6105**	25	
			1.74	III	1620	(7180)				1.74	III	1520	(6770)	1H	**6110**	25	
			2.02	III	1620	(7180)				2.02	III	1520	(6770)	1H	**6115**	25	
			2.81	III	1960	(8700)				2.81	III	1840	(8190)	1H	**6120**	25	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

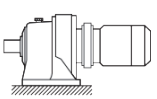
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1.5 HP
1.1 kW



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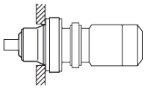

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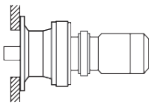


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
50.0	1770	(200)	1.10	I	1210	(5400)	60.3	1460	(165)	1.10	I	1210	(5400)	1H	**6100**	29	
			1.45	II	1210	(5400)				1.45	II	1210	(5400)	1H	**6105**	29	
			1.73	III	1650	(7350)				1.73	III	1560	(6960)	1H	**6110**	29	
			2.02	III	1650	(7350)				2.02	III	1560	(6960)	1H	**6115**	29	
			2.61	III	2030	(9050)				2.72	III	1910	(8510)	1H	**6120**	29	
41.4	2130	(241)	1.09	I	1210	(5400)	50.0	1770	(200)	1.09	I	1210	(5400)	1H	**6105**	35	
			1.37	II	1660	(7400)				1.37	II	1670	(7430)	1H	**6110**	35	
			1.64	III	1660	(7400)				1.64	III	1670	(7430)	1H	**6115**	35	
			2.16	III	2150	(9560)				2.27	III	2020	(9000)	1H	**6120**	35	
			2.61	III	2150	(9560)				2.89	III	2020	(9000)	1H	**6125**	35	
33.7	2620	(296)	0.99	-	1210	(5400)	40.7	2170	(245)	0.99	-	1210	(5380)	1H	**6105**	43	
			1.18	I	1710	(7610)				1.18	I	1710	(7610)	1H	**6110**	43	
			1.38	II	1710	(7610)				1.38	II	1710	(7610)	1H	**6115**	43	
			1.74	III	2210	(9810)				1.74	III	2150	(9580)	1H	**6120**	43	
			2.13	III	2210	(9810)				2.16	III	2150	(9580)	1H	**6125**	43	
			2.64	III	2690	(12000)				2.72	III	2530	(11300)	1H	**6130**	43	
28.4	3110	(351)	1.01	I	1710	(7600)	34.3	2570	(291)	1.01	I	1710	(7610)	1H	**6115**	51	
			1.48	II	2210	(9810)				1.56	II	2210	(9810)	1H	**6120**	51	
			1.79	III	2210	(9810)				2.07	III	2210	(9810)	1H	**6125**	51	
			2.22	III	2810	(12500)				2.31	III	2640	(11800)	1H	**6130**	51	
			2.32	III	2810	(12500)				2.66	III	2640	(11800)	1H	**6135**	51	
24.6	3590	(406)	0.92	-	1700	(7570)	29.7	2980	(336)	0.92	-	1710	(7610)	1H	**6115**	59	
			1.19	I	2210	(9810)				1.19	I	2210	(9810)	1H	**6120**	59	
			1.47	II	2210	(9810)				1.47	II	2210	(9810)	1H	**6125**	59	
			1.92	III	2950	(13100)				1.99	III	2770	(12300)	1H	**6130**	59	
			2.22	III	2950	(13100)				2.29	III	2770	(12300)	1H	**6135**	59	
			2.69	III	3600	(16000)				2.69	III	3600	(16000)	1H	**6140**	59	
			2.89	III	3600	(16000)				3.32	III	3600	(16000)	1H	**6145**	59	
20.4	4330	(489)	1.03	I	2210	(9810)	24.6	3580	(405)	1.09	I	2210	(9810)	1H	**6125**	71	
			1.60	III	3110	(13900)				1.66	III	2930	(13100)	1H	**6130**	71	
			1.84	III	3110	(13900)				1.97	III	2930	(13100)	1H	**6135**	71	
			2.21	III	3600	(16000)				2.21	III	3600	(16000)	1H	**6140**	71	
			2.38	III	3600	(16000)				2.75	III	3600	(16000)	1H	**6145**	71	
16.7	5300	(599)	0.93	-	2160	(9620)	20.1	4390	(496)	1.03	I	2210	(9810)	1H	**6125**	87	
			1.29	I	3310	(14700)				1.29	I	3160	(14100)	1H	**6130**	87	
			1.50	II	3310	(14700)				1.74	III	3160	(14100)	1H	**6135**	87	
			1.80	III	3600	(16000)				1.80	III	3600	(16000)	1H	**6140**	87	
			1.96	III	3600	(16000)				2.25	III	3600	(16000)	1H	**6145**	87	
			2.93	III	4960	(22100)				3.15	III	4960	(22100)	1H	**6160**	87	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

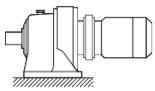
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1.5 HP
1.1 kW



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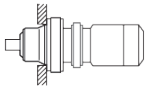

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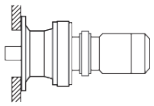


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
13.9	4650	(525)	*	-	2210	(9810)	16.8	4650	(525)	*	-	2210	(9810)	1H	**6120DB**	104	
	6000	(678)	0.93	-	2210	(9810)		4970	(562)	1.12	I	2210	(9810)	1H	**6125DB**	104	
			1.15	I	3310	(14700)				1.39	II	3310	(14700)	1H	**6130DC**	104	
			1.39	II	3310	(14700)				1.67	III	3310	(14700)	1H	**6135DC**	104	
			2.59	III	4960	(22100)				3.12	III	4960	(22100)	1H	**6160DC**	104	C.F.
12.0	4650	(525)	*	-	2210	(9810)	14.5	4650	(525)	*	-	2210	(9810)	1H	**6120DB**	121	
	5510	(622)	*	-	2210	(9810)		5510	(622)	*	-	2210	(9810)	1H	**6125DB**	121	
	6980	(789)	1.19	I	3310	(14700)		5790	(654)	1.44	II	3310	(14700)	1H	**6135DC**	121	
			2.22	III	4960	(22100)				2.68	III	4960	(22100)	1H	**6160DC**	121	
			2.66	III	4960	(22100)				3.21	III	4960	(22100)	1H	**6165DC**	121	
10.1	5580	(630)	*	-	2210	(9810)	12.2	5580	(630)	*	-	2210	(9810)	1H	**6125DB**	143	
	8250	(932)	1.01	I	3310	(14700)		6840	(773)	1.22	I	3310	(14700)	1H	**6135DC**	143	
			1.31	II	3600	(16000)				1.38	II	3600	(16000)	1H	**6140DB**	143	
			1.38	II	3600	(16000)				1.38	II	3600	(16000)	1H	**6145DB**	143	
			1.88	III	4960	(22100)				2.27	III	4960	(22100)	1H	**6160DC**	143	
			2.25	III	4960	(22100)				2.72	III	4960	(22100)	1H	**6165DC**	143	
			2.71	III	6630	(29500)				3.27	III	6630	(29500)	1H	**6170DC**	143	
8.79	5580	(630)	*	-	2210	(9810)	10.6	5580	(630)	*	-	2210	(9810)	1H	**6125DB**	165	
	6900	(780)	*	-	3310	(14700)		6900	(780)	*	-	3310	(14700)	1H	**6130DC**	165	
	9520	(1080)	0.87	-	3310	(14700)		7890	(891)	1.05	I	3310	(14700)	1H	**6135DC**	165	
			1.14	I	3600	(16000)				1.37	II	3600	(16000)	1H	**6140DB**	165	
			1.26	I	3600	(16000)				1.38	II	3600	(16000)	1H	**6145DB**	165	
			1.63	III	4960	(22100)				1.97	III	4960	(22100)	1H	**6160DC**	165	
			1.95	III	4960	(22100)				2.36	III	4960	(22100)	1H	**6165DC**	165	
			2.35	III	6630	(29500)				2.84	III	6630	(29500)	1H	**6170DC**	165	
			2.93	III	6630	(29500)				3.53	III	6630	(29500)	1H	**6175DC**	165	
7.44	6900	(780)	*	-	3310	(14700)	8.97	6900	(780)	*	-	3310	(14700)	1H	**6130DC**	195	
	8320	(940)	*	-	3310	(14700)		8320	(940)	*	-	3310	(14700)	1H	**6135DC**	195	
	11300	(1270)	1.07	I	3600	(16000)		9320	(1050)	1.29	I	3600	(16000)	1H	**6145DB**	195	
			1.38	II	4960	(22100)				1.67	III	4960	(22100)	1H	**6160DC**	195	
			1.65	III	4960	(22100)				1.99	III	4960	(22100)	1H	**6165DC**	195	
			1.99	III	6630	(29500)				2.40	III	6630	(29500)	1H	**6170DC**	195	
			2.48	III	6630	(29500)				2.99	III	6630	(29500)	1H	**6175DC**	195	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

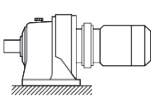
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1.5 HP
1.1 kW



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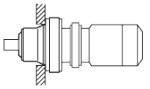

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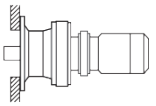


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
6.28	8320	(940)	*	-	3310	(14700)	7.58	8320	(940)	*	-	3310	(14700)	1H	**6135DC**	231	
	10800	(1230)	*	-	3600	(16000)		11000	(1250)	0.98	-	3600	(16000)	1H	**6140DB**	231	
	13300	(1510)	0.89	-	3480	(15500)				1.07	I	3600	(16000)	1H	**6145DB**	231	
			1.17	I	4960	(22100)				1.41	II	4960	(22100)	1H	**6160DC**	231	
			1.39	II	4960	(22100)				1.68	III	4960	(22100)	1H	**6165DC**	231	
			1.68	III	6630	(29500)				2.03	III	6630	(29500)	1H	**6170DC**	231	
			2.09	III	6630	(29500)				2.52	III	6630	(29500)	1H	**6175DC**	231	
			2.69	III	9380	(41700)				3.25	III	9380	(41700)	1H	**6180DB**	231	C.F.
5.31	10800	(1230)	*	-	3600	(16000)	6.41	10800	(1230)	*	-	3600	(16000)	1H	**6140DB**	273	
	11800	(1340)	*	-	3600	(16000)		11800	(1340)	*	-	3600	(16000)	1H	**6145DB**	273	
	15800	(1780)	1.18	I	4960	(22100)		13100	(1470)	1.42	II	4960	(22100)	1H	**6165DC**	273	
			1.42	II	6630	(29500)				1.72	III	6630	(29500)	1H	**6170DC**	273	
			1.77	III	6630	(29500)				2.14	III	6630	(29500)	1H	**6175DC**	273	
			2.28	III	9380	(41700)				2.75	III	9380	(41700)	1H	**6180DB**	273	
			2.81	III	9380	(41700)				3.39	III	9380	(41700)	1H	**6185DB**	273	
4.55	10800	(1230)	*	-	3600	(16000)	5.49	10800	(1230)	*	-	3600	(16000)	1H	**6140DB**	319	
	12100	(1370)	*	-	3540	(15800)		12100	(1370)	*	-	3540	(15800)	1H	**6145DB**	319	
	18400	(2080)	1.01	I	4960	(22100)		15300	(1720)	1.22	I	4960	(22100)	1H	**6165DC**	319	
			1.22	I	6630	(29500)				1.47	II	6630	(29500)	1H	**6170DC**	319	
			1.51	II	6630	(29500)				1.83	III	6630	(29500)	1H	**6175DC**	319	
			1.95	III	9380	(41700)				2.35	III	9380	(41700)	1H	**6180DB**	319	C.F.
			2.40	III	9380	(41700)				2.90	III	9380	(41700)	1H	**6185DB**	319	C.F.
3.85	15500	(1760)	*	-	4960	(22100)	4.64	15500	(1760)	*	-	4960	(22100)	1H	**6160DC**	377	
	18600	(2100)	*	-	4960	(22100)		18000	(2040)	1.03	I	4960	(22100)	1H	**6165DC**	377	
	21800	(2460)	1.03	I	6630	(29500)				1.24	I	6630	(29500)	1H	**6170DC**	377	
			1.28	I	6630	(29500)				1.55	II	6630	(29500)	1H	**6175DC**	377	
			1.65	III	9380	(41700)				1.99	III	9380	(41700)	1H	**6180DB**	377	
			2.03	III	9380	(41700)				2.45	III	9380	(41700)	1H	**6185DB**	377	
			2.60	III	13300	(59000)				3.13	III	13300	(59000)	1H	**6190DA**	377	
3.07	18600	(2100)	*	-	4960	(22100)	3.70	18600	(2100)	*	-	4960	(22100)	1H	**6165DC**	473	
	22400	(2530)	*	-	6630	(29500)		22600	(2560)	0.99	-	6630	(29500)	1H	**6170DC**	473	
	27300	(3080)	1.02	I	6630	(29500)				1.23	I	6630	(29500)	1H	**6175DC**	473	
			1.32	II	9380	(41700)				1.59	II	9380	(41700)	1H	**6180DB**	473	C.F.
			1.62	III	9380	(41700)				1.96	III	9380	(41700)	1H	**6185DB**	473	C.F.
			2.07	III	13300	(59000)				2.50	III	13300	(59000)	1H	**6190DA**	473	
			2.58	III	13300	(59000)				3.11	III	13300	(59000)	1H	**6195DA**	473	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

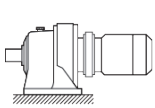
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

1.5 HP
1.1 kW



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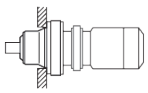

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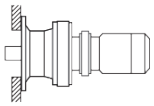


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
2.59	18600	(2100)	*	-	4960	(22100)	3.13	18600	(2100)	*	-	4960	(22100)	1H	**6165DC**	559	
	22400	(2530)	*	-	6630	(29500)		22400	(2530)	*	-	6630	(29500)	1H	**6170DC**	559	
	27900	(3150)	*	-	6630	(29500)		26700	(3020)	1.04	I	6630	(29500)	1H	**6175DC**	559	
	32300	(3640)	1.11	I	9380	(41700)				1.34	II	9380	(41700)	1H	**6180DB**	559	
			1.37	II	9380	(41700)				1.66	III	9380	(41700)	1H	**6185DB**	559	
			1.75	III	13300	(59000)				2.11	III	13300	(59000)	1H	**6190DA**	559	
			2.18	III	13300	(59000)				2.64	III	13300	(59000)	1H	**6195DA**	559	
2.23	22400	(2530)	*	-	6630	(29500)	2.70	22400	(2530)	*	-	6630	(29500)	1H	**6170DC**	649	
	27900	(3150)	*	-	6630	(29500)		27900	(3150)	*	-	6630	(29500)	1H	**6175DC**	649	
	37500	(4230)	1.18	I	9380	(41700)		31000	(3510)	1.43	II	9380	(41700)	1H	**6185DB**	649	C.F.
			1.51	II	13300	(59000)				1.82	III	13300	(59000)	1H	**6190DA**	649	
			1.88	III	13300	(59000)				2.27	III	13300	(59000)	1H	**6195DA**	649	
1.98	27900	(3150)	*	-	6630	(29500)	2.39	27900	(3150)	*	-	6630	(29500)	1H	**6175DC**	731	
	42200	(4770)	1.05	I	9380	(41700)		35000	(3950)	1.27	I	9380	(41700)	1H	**6185DB**	731	
			1.34	II	13300	(59000)				1.62	III	13300	(59000)	1H	**6190DA**	731	
			1.67	III	13300	(59000)				2.02	III	13300	(59000)	1H	**6195DA**	731	
1.72	27900	(3150)	*	-	6630	(29500)	2.08	27900	(3150)	*	-	6630	(29500)	1H	**6175DC**	841	
	35900	(4050)	*	-	9380	(41700)		35900	(4050)	*	-	9380	(41700)	1H	**6180DB**	841	
	44300	(5000)	*	-	9380	(41700)		40200	(4540)	1.10	I	9380	(41700)	1H	**6185DB**	841	
	48500	(5480)	1.16	I	13300	(59000)				1.40	II	13300	(59000)	1H	**6190DA**	841	
			1.45	II	13300	(59000)				1.75	III	13300	(59000)	1H	**6195DA**	841	
1.45	35900	(4050)	*	-	9380	(41700)	1.74	35900	(4050)	*	-	9380	(41700)	1H	**6180DB**	1003	
	44300	(5000)	*	-	9350	(41600)		44300	(5000)	*	-	9350	(41600)	1H	**6185DB**	1003	
	57900	(6540)	1.22	I	13200	(58500)		48000	(5420)	1.47	II	13200	(58800)	1H	**6195DA**	1003	
1.16	44300	(5000)	*	-	9380	(41700)	1.40	44300	(5000)	*	-	9380	(41700)	1H	**6185DB**	1247	
	56500	(6380)	*	-	13300	(59000)		56500	(6380)	*	-	13300	(59000)	1H	**6190DA**	1247	
	72000	(8130)	0.98	-	13200	(58900)		59600	(6740)	1.18	I	13300	(59000)	1H	**6195DA**	1247	
0.980	56500	(6380)	*	-	13200	(58900)	1.18	56500	(6380)	*	-	13200	(58900)	1H	**6190DA**	1479	
	70500	(7960)	*	-	13100	(58400)		70700	(7990)	1.00	I	13100	(58400)	1H	**6195DA**	1479	
0.784	70500	(7960)	*	-	13300	(59000)	0.946	88400	(9990)	0.80	-	13100	(58400)	1H	**6195DA**	1849	
0.702	70500	(7960)	*	-	13100	(58100)	0.847	98700	(11200)	0.71	-	12900	(57200)	1H	**6195DA**	2065	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

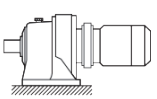
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

2 HP
1.5 kW



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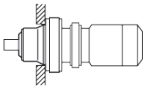

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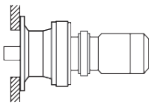

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
483	249	(28.2)	1.57	II	722	(3210)	583	206	(23.3)	1.57	II	681	(3030)	2	**6100**	3	
			2.12	III	722	(3210)				2.12	III	681	(3030)	2	**6105**	3	
290	415	(46.9)	1.57	II	857	(3810)	350	344	(38.9)	1.57	II	807	(3590)	2	**6100**	5	
			2.12	III	857	(3810)				2.12	III	807	(3590)	2	**6105**	5	
242	498	(56.3)	1.01	I	626	(2790)	292	413	(46.7)	1.01	I	591	(2630)	2	**6095**	6	
			1.56	II	928	(4130)				1.56	II	873	(3880)	2	**6100**	6	
			2.12	III	928	(4130)				2.12	III	873	(3880)	2	**6105**	6	
			2.37	III	1050	(4670)				2.37	III	987	(4390)	2	**6110**	6	
			2.61	III	1050	(4670)				2.61	III	987	(4390)	2	**6115**	6	
181	665	(75.1)	1.01	I	694	(3090)	219	551	(62.2)	1.01	I	656	(2920)	2	**6095**	8	
			1.56	II	1030	(4600)				1.56	II	974	(4330)	2	**6100**	8	
			2.12	III	1030	(4600)				2.12	III	974	(4330)	2	**6105**	8	
			2.37	III	1170	(5210)				2.37	III	1100	(4900)	2	**6110**	8	
			2.61	III	1170	(5210)				2.61	III	1100	(4900)	2	**6115**	8	
132	914	(103)	1.01	I	751	(3340)	159	757	(85.5)	1.01	I	742	(3300)	2	**6095**	11	
			1.56	II	1170	(5220)				1.56	II	1110	(4920)	2	**6100**	11	
			2.12	III	1170	(5220)				2.12	III	1110	(4920)	2	**6105**	11	
			2.37	III	1340	(5950)				2.37	III	1260	(5600)	2	**6110**	11	
			2.61	III	1340	(5950)				2.61	III	1260	(5600)	2	**6115**	11	
112	1080	(122)	1.01	I	751	(3340)	135	895	(101)	1.01	I	741	(3300)	2	**6095**	13	
			1.56	II	1210	(5400)				1.56	II	1150	(5110)	2	**6100**	13	
			2.12	III	1210	(5400)				2.12	III	1150	(5110)	2	**6105**	13	
			2.37	III	1380	(6150)				2.37	III	1300	(5790)	2	**6110**	13	
			2.60	III	1380	(6150)				2.60	III	1300	(5790)	2	**6115**	13	
96.7	1250	(141)	1.01	I	751	(3340)	117	1030	(117)	1.01	I	738	(3280)	2	**6095**	15	
			1.56	II	1210	(5400)				1.56	II	1210	(5400)	2	**6100**	15	
			2.12	III	1210	(5400)				2.12	III	1210	(5400)	2	**6105**	15	
			2.37	III	1480	(6560)				2.37	III	1390	(6180)	2	**6110**	15	
			2.60	III	1480	(6560)				2.60	III	1390	(6180)	2	**6115**	15	
85.3	1410	(160)	1.01	I	751	(3340)	103	1170	(132)	1.01	I	740	(3290)	2	**6095**	17	
			1.32	II	1210	(5400)				1.32	II	1210	(5400)	2	**6100**	17	
			1.64	III	1210	(5400)				1.64	III	1210	(5400)	2	**6105**	17	
			2.12	III	1490	(6620)				2.12	III	1400	(6240)	2	**6110**	17	
			2.60	III	1490	(6620)				2.60	III	1400	(6240)	2	**6115**	17	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

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[2] Variable Frequency Drive Availability:

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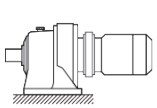
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

2 HP
1.5 kW



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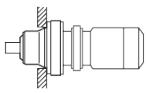

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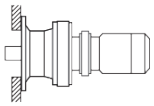


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
69.0	1740	(197)	1.00	I	751	(3340)	83.3	1450	(163)	1.01	I	733	(3260)	2	**6095**	21	
			1.27	I	1210	(5400)				1.28	I	1210	(5400)	2	**6100**	21	
			1.52	II	1210	(5400)				1.56	II	1210	(5400)	2	**6105**	21	
			1.82	III	1580	(7020)				1.82	III	1490	(6620)	2	**6110**	21	
			2.07	III	1580	(7020)				2.07	III	1490	(6620)	2	**6115**	21	
			2.64	III	1860	(8260)				2.64	III	1750	(7780)	2	**6120**	21	
58.0	2080	(235)	1.12	I	1210	(5400)	70.0	1720	(194)	1.12	I	1210	(5400)	2	**6105**	25	
			1.28	I	1600	(7120)				1.28	I	1510	(6720)	2	**6110**	25	
			1.48	II	1600	(7120)				1.48	II	1510	(6720)	2	**6115**	25	
			2.06	III	1950	(8650)				2.06	III	1830	(8150)	2	**6120**	25	
			2.64	III	1950	(8650)				2.64	III	1830	(8150)	2	**6125**	25	
50.0	2410	(272)	1.06	I	1210	(5400)	60.3	2000	(226)	1.06	I	1210	(5400)	2	**6105**	29	
			1.27	I	1640	(7290)				1.27	I	1550	(6900)	2	**6110**	29	
			1.48	II	1640	(7290)				1.48	II	1550	(6900)	2	**6115**	29	
			1.91	III	2020	(8990)				2.00	III	1900	(8470)	2	**6120**	29	
			2.31	III	2020	(8990)				2.51	III	1900	(8470)	2	**6125**	29	
			2.87	III	2370	(10500)				2.99	III	2230	(9920)	2	**6130**	29	
41.4	2910	(328)	0.80	-	1080	(4820)	50.0	2410	(272)	0.80	-	1200	(5330)	2	**6105**	35	
			1.00	I	1640	(7310)				1.00	I	1660	(7360)	2	**6110**	35	
			1.21	I	1640	(7310)				1.21	I	1660	(7360)	2	**6115**	35	
			1.58	II	2130	(9490)				1.66	III	2010	(8940)	2	**6120**	35	
			1.92	III	2130	(9490)				2.12	III	2010	(8940)	2	**6125**	35	
			2.37	III	2490	(11100)				2.47	III	2340	(10400)	2	**6130**	35	
			2.74	III	2490	(11100)				2.83	III	2340	(10400)	2	**6135**	35	
33.7	3570	(404)	1.01	I	1700	(7540)	40.7	2960	(334)	1.01	I	1710	(7610)	2	**6115**	43	
			1.28	I	2210	(9810)				1.28	I	2140	(9510)	2	**6120**	43	
			1.56	II	2210	(9810)				1.59	II	2140	(9510)	2	**6125**	43	
			1.93	III	2670	(11900)				2.00	III	2520	(11200)	2	**6130**	43	
			2.23	III	2670	(11900)				2.51	III	2520	(11200)	2	**6135**	43	
			2.63	III	3600	(16000)				2.63	III	3580	(15900)	2	**6140**	43	
28.4	4240	(479)	1.09	I	2210	(9810)	34.3	3510	(397)	1.14	I	2210	(9810)	2	**6120**	51	
			1.32	II	2210	(9810)				1.52	II	2210	(9810)	2	**6125**	51	
			1.63	III	2790	(12400)				1.69	III	2630	(11700)	2	**6130**	51	
			1.70	III	2790	(12400)				1.95	III	2630	(11700)	2	**6135**	51	
			2.29	III	3600	(16000)				2.29	III	3600	(16000)	2	**6140**	51	
			2.47	III	3600	(16000)				2.81	III	3600	(16000)	2	**6145**	51	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

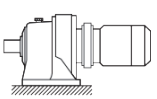
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

2 HP
1.5 kW



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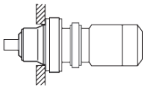

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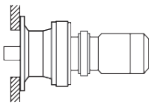


V

Dimension Pages:
Foot Mount (H) 2.100 - 2.129
V-Flange Mount (V) 2.130 - 2.159
F-Flange Mount (F) 2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz						Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base		VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
24.6	4900	(554)	1.08	I	2210	(9810)	29.7	4060	(459)	1.08	I	2210	(9810)	2	**6125**	59	
			1.41	II	2920	(13000)				1.46	II	2750	(12200)	2	**6130**	59	
			1.63	III	2920	(13000)				1.68	III	2750	(12200)	2	**6135**	59	
			1.97	III	3600	(16000)				1.97	III	3600	(16000)	2	**6140**	59	
			2.12	III	3600	(16000)				2.44	III	3600	(16000)	2	**6145**	59	
			2.95	III	4960	(22100)				2.95	III	4960	(22100)	2	**6160**	59	
20.4	5900	(666)	1.17	I	3090	(13700)	24.6	4890	(552)	1.22	I	2910	(12900)	2	**6130**	71	
			1.35	II	3090	(13700)				1.45	II	2910	(12900)	2	**6135**	71	
			1.62	III	3600	(16000)				1.62	III	3600	(16000)	2	**6140**	71	
			1.75	III	3600	(16000)				2.02	III	3600	(16000)	2	**6145**	71	
			2.31	III	4960	(22100)				2.31	III	4960	(22100)	2	**6160**	71	
16.7	7230	(817)	1.10	I	3310	(14700)	20.1	5990	(677)	1.27	I	3130	(13900)	2	**6135**	87	
			1.32	II	3600	(16000)				1.32	II	3600	(16000)	2	**6140**	87	
			1.44	II	3600	(16000)				1.65	III	3600	(16000)	2	**6145**	87	
			2.15	III	4960	(22100)				2.31	III	4960	(22100)	2	**6160**	87	
			2.51	III	4960	(22100)				2.60	III	4960	(22100)	2	**6165**	87	
13.9	5580	(630)	*	-	2210	(9810)	16.8	5580	(630)	*	-	2210	(9810)	2	**6125DB**	104	
	8180	(925)	1.02	I	3310	(14700)		6780	(766)	1.23	I	3310	(14700)	2	**6135DC**	104	
			1.48	II	3600	(16000)				1.79	III	3600	(16000)	2	**6145DC**	104	
			1.90	III	4960	(22100)				2.29	III	4960	(22100)	2	**6160DC**	104	
			2.27	III	4960	(22100)				2.74	III	4960	(22100)	2	**6165DC**	104	
			2.73	III	6630	(29500)				3.30	III	6630	(29500)	2	**6170DC**	104	
12.0	6900	(780)	*	-	3310	(14700)	14.5	6900	(780)	*	-	3310	(14700)	2	**6130DC**	121	
	8320	(940)	*	-	3310	(14700)		7890	(891)	1.05	I	3310	(14700)	2	**6135DC**	121	
	9520	(1080)	1.20	I	3600	(16000)				1.45	II	3600	(16000)	2	**6145DC**	121	
			1.63	III	4960	(22100)				1.97	III	4960	(22100)	2	**6160DC**	121	
			1.95	III	4960	(22100)				2.36	III	4960	(22100)	2	**6165DC**	121	
			2.35	III	6630	(29500)				2.84	III	6630	(29500)	2	**6170DC**	121	
			2.93	III	6630	(29500)				3.53	III	6630	(29500)	2	**6175DC**	121	
10.1	6900	(780)	*	-	3310	(14700)	12.2	6900	(780)	*	-	3310	(14700)	2	**6130DC**	143	
	8320	(940)	*	-	3310	(14700)		8320	(940)	*	-	3310	(14700)	2	**6135DC**	143	
	11300	(1270)	1.01	I	3600	(16000)		9320	(1050)	1.01	I	3600	(16000)	2	**6145DB**	143	
			1.08	I	3600	(16000)				1.30	II	3600	(16000)	2	**6145DC**	143	
			1.38	II	4960	(22100)				1.67	III	4960	(22100)	2	**6160DC**	143	
			1.65	III	4960	(22100)				1.99	III	4960	(22100)	2	**6165DC**	143	
			1.99	III	6630	(29500)				2.40	III	6630	(29500)	2	**6170DC**	143	
			2.48	III	6630	(29500)				2.99	III	6630	(29500)	2	**6175DC**	143	

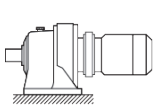
Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:
AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

2 HP
1.5 kW



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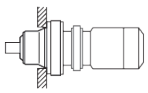

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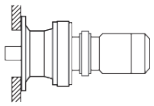


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
8.79	8320	(940)	*	-	3310	(14700)	10.6	8320	(940)	*	-	3310	(14700)	2	**6135DC**	165	
	12000	(1360)	*	-	3600	(16000)		10800	(1220)	1.01	I	3600	(16000)	2	**6145DB**	165	
			*	-	3600	(16000)				1.12	I	3600	(16000)	2	**6145DC**	165	
	13000	(1470)	1.20	I	4960	(22100)				1.44	II	4960	(22100)	2	**6160DC**	165	
			1.43	II	4960	(22100)				1.73	III	4960	(22100)	2	**6165DC**	165	
			1.72	III	6630	(29500)				2.08	III	6630	(29500)	2	**6170DC**	165	
			2.15	III	6630	(29500)				2.59	III	6630	(29500)	2	**6175DC**	165	
			2.77	III	9380	(41700)				3.34	III	9380	(41700)	2	**6180DB**	165	C.F.
7.44	10800	(1230)	*	-	3600	(16000)	8.97	10800	(1230)	*	-	3600	(16000)	2	**6140DB**	195	
	12000	(1360)	*	-	3600	(16000)		12000	(1360)	*	-	3600	(16000)	2	**6145DB**	195	
	15300	(1730)	1.01	I	4960	(22100)		12700	(1440)	1.22	I	4960	(22100)	2	**6160DC**	195	
			1.21	I	4960	(22100)				1.46	II	4960	(22100)	2	**6165DC**	195	
			1.46	II	6630	(29500)				1.76	III	6630	(29500)	2	**6170DC**	195	
			1.82	III	6630	(29500)				2.19	III	6630	(29500)	2	**6175DC**	195	
			2.34	III	9380	(41700)				2.83	III	9380	(41700)	2	**6180DB**	195	
			2.84	III	9380	(41700)				3.43	III	9380	(41700)	2	**6185DB**	195	
6.28	11800	(1340)	*	-	3600	(16000)	7.58	11800	(1340)	*	-	3600	(16000)	2	**6145DB**	231	
	18200	(2050)	1.02	I	4960	(22100)		15100	(1700)	1.23	I	4960	(22100)	2	**6165DC**	231	
			1.23	I	6630	(29500)				1.49	II	6630	(29500)	2	**6170DC**	231	
			1.53	II	6630	(29500)				1.85	III	6630	(29500)	2	**6175DC**	231	
			1.97	III	9380	(41700)				2.38	III	9380	(41700)	2	**6180DB**	231	C.F.
			2.43	III	9380	(41700)				2.94	III	9380	(41700)	2	**6185DB**	231	C.F.
5.31	15500	(1760)	*	-	4960	(22100)	6.41	15500	(1760)	*	-	4960	(22100)	2	**6160DC**	273	
	18600	(2100)	*	-	4960	(22100)		17800	(2010)	1.04	I	4960	(22100)	2	**6165DC**	273	
	21500	(2430)	1.04	I	6630	(29500)				1.26	I	6630	(29500)	2	**6170DC**	273	
			1.30	II	6630	(29500)				1.57	II	6630	(29500)	2	**6175DC**	273	
			1.67	III	9380	(41700)				2.01	III	9380	(41700)	2	**6180DB**	273	
			2.06	III	9380	(41700)				2.12	III	9380	(41700)	2	**6185DA**	273	
			2.06	III	9380	(41700)				2.49	III	9380	(41700)	2	**6185DB**	273	
			2.63	III	13300	(59000)				3.17	III	13300	(59000)	2	**6190DA**	273	
4.55	15500	(1760)	*	-	4960	(22100)	5.49	15500	(1760)	*	-	4960	(22100)	2	**6160DC**	319	
	18600	(2100)	*	-	4960	(22100)		18600	(2100)	*	-	4960	(22100)	2	**6165DC**	319	
	25100	(2840)	1.11	I	6630	(29500)		20800	(2350)	1.34	II	6630	(29500)	2	**6175DC**	319	
			1.43	II	9380	(41700)				1.72	III	9380	(41700)	2	**6180DB**	319	C.F.
			1.76	III	9380	(41700)				2.12	III	9380	(41700)	2	**6185DA**	319	
			2.25	III	13300	(59000)				2.71	III	13300	(59000)	2	**6190DA**	319	
			2.81	III	13300	(59000)				3.39	III	13300	(59000)	2	**6195DA**	319	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

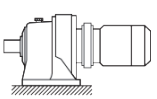
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

2 HP
1.5 kW



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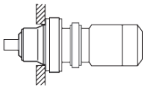

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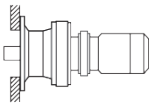

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
3.85	18600	(2100)	*	-	4960	(22100)	4.64	18600	(2100)	*	-	4960	(22100)	2	**6165DC**	377	
	22400	(2530)	*	-	6630	(29500)		22400	(2530)	*	-	6630	(29500)	2	**6170DA**	377	
	29700	(3350)	0.94	-	6630	(29500)		24600	(2780)	1.13	I	6630	(29500)	2	**6175DC**	377	
			1.21	I	9380	(41700)				1.46	II	9380	(41700)	2	**6180DB**	377	
			1.49	II	9380	(41700)				1.80	III	9380	(41700)	2	**6185DA**	377	
			1.90	III	13300	(59000)				2.30	III	13300	(59000)	2	**6190DA**	377	
			2.37	III	13300	(59000)				2.87	III	13300	(59000)	2	**6195DA**	377	
3.07	27900	(3150)	*	-	6630	(29500)	3.70	27900	(3150)	*	-	6630	(29500)	2	**6175DC**	473	
	37200	(4210)	1.19	I	9380	(41700)		30800	(3480)	1.43	II	9380	(41700)	2	**6185DA**	473	
			1.52	II	13300	(59000)				1.83	III	13300	(59000)	2	**6190DA**	473	
			1.89	III	13300	(59000)				2.28	III	13300	(59000)	2	**6195DA**	473	
2.59	27900	(3150)	*	-	6630	(29500)	3.13	27900	(3150)	*	-	6630	(29500)	2	**6175DC**	559	
	35900	(4060)	*	-	9380	(41700)		36400	(4120)	0.99	-	9380	(41700)	2	**6180DB**	559	
	44000	(4970)	1.01	I	9380	(41700)				1.21	I	9380	(41700)	2	**6185DA**	559	
			1.28	I	13300	(59000)				1.55	II	13300	(59000)	2	**6190DA**	559	
			1.60	III	13300	(59000)				1.93	III	13300	(59000)	2	**6195DA**	559	
2.23	35900	(4050)	*	-	9380	(41700)	2.70	35900	(4050)	*	-	9380	(41700)	2	**6180DB**	649	C.F.
	44300	(5000)	*	-	9350	(41600)		42300	(4780)	1.05	I	9370	(41700)	2	**6185DA**	649	
	51100	(5770)	1.11	I	13200	(58700)				1.33	II	13300	(59000)	2	**6190DA**	649	
			1.38	II	13200	(58700)				1.66	III	13300	(59000)	2	**6195DA**	649	
1.98	35900	(4060)	*	-	9380	(41700)	2.39	35900	(4060)	*	-	9380	(41700)	2	**6180DB**	731	
	44300	(5000)	*	-	9380	(41700)		44300	(5000)	*	-	9380	(41700)	2	**6185DA**	731	
	57500	(6500)	1.22	I	13300	(59000)		47700	(5390)	1.48	II	13300	(59000)	2	**6195DA**	731	
1.72	44300	(5000)	*	-	9380	(41700)	2.08	44300	(5000)	*	-	9380	(41700)	2	**6185DA**	841	
	66200	(7480)	1.06	I	13300	(59000)		54800	(6200)	1.28	I	13300	(59000)	2	**6195DA**	841	
1.45	56500	(6380)	*	-	13200	(58600)	1.74	56500	(6380)	*	-	13200	(58600)	2	**6190DA**	1003	
	70500	(7960)	*	-	13100	(58100)		65400	(7390)	1.08	I	13100	(58300)	2	**6195DA**	1003	
1.16	70500	(7960)	*	-	13300	(59000)	1.40	70500	(7960)	*	-	13300	(59000)	2	**6195DA**	1247	
0.980	77500	(8760)	*	-	18900	(84100)	1.18	74000	(8360)	*	-	18900	(84100)	2	**6205DA**	1479	
	99700	(11300)	*	-	23400	(104000)		96400	(10900)	1.03	I	23400	(104000)	2	**6215DA**	1479	
0.784	82300	(9300)	*	-	18900	(84100)	0.946	82300	(9300)	*	-	18900	(84100)	2	**6205DA**	1849	
	112000	(12700)	*	-	23400	(104000)		112000	(12700)	*	-	23400	(104000)	2	**6215DA**	1849	
	146000	(16400)	0.97	-	32600	(145000)		121000	(13600)	1.17	I	32600	(145000)	2	**6225DA**	1849	
0.702	82300	(9300)	*	-	18900	(84100)	0.847	82300	(9300)	*	-	18900	(84100)	2	**6205DA**	2065	
	112000	(12700)	*	-	23400	(104000)		112000	(12700)	*	-	23400	(104000)	2	**6215DA**	2065	
	141000	(15900)	*	-	32600	(145000)		135000	(15200)	1.04	I	32600	(145000)	2	**6225DA**	2065	
0.572	112000	(12700)	*	-	23400	(104000)	0.690	112000	(12700)	*	-	23400	(104000)	2	**6215DA**	2537	
	141000	(15900)	*	-	32600	(145000)		141000	(15900)	*	-	32600	(145000)	2	**6225DA**	2537	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

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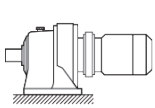
Selection Tables

2 HP
1.5 kW



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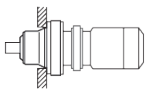

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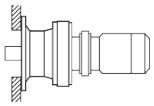

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
0.476	99700	*(11300)*	*	-	23400	*(104000)*	0.575	99700	*(11300)*	*	-	23400	*(104000)*	2	**6215DA**	3045	
	133000	*(15100)*	*	-	32600	*(145000)*		133000	*(15100)*	*	-	32600	*(145000)*	2	**6225DA**	3045	
0.417	112000	*(12700)*	*	-	23400	*(104000)*	0.503	112000	*(12700)*	*	-	23400	*(104000)*	2	**6215DA**	3481	
	141000	*(15900)*	*	-	32600	*(145000)*		141000	*(15900)*	*	-	32600	*(145000)*	2	**6225DA**	3481	
0.327	99700	*(11300)*	*	-	23400	*(104000)*	0.394	99700	*(11300)*	*	-	23400	*(104000)*	2	**6215DA**	4437	
	133000	*(15100)*	*	-	32600	*(145000)*		133000	*(15100)*	*	-	32600	*(145000)*	2	**6225DA**	4437	
0.282	112000	*(12700)*	*	-	23400	*(104000)*	0.341	112000	*(12700)*	*	-	23400	*(104000)*	2	**6215DA**	5133	
	141000	*(15900)*	*	-	32600	*(145000)*		141000	*(15900)*	*	-	32600	*(145000)*	2	**6225DA**	5133	
0.235	99700	*(11300)*	*	-	23400	*(104000)*	0.283	99700	*(11300)*	*	-	23400	*(104000)*	2	**6215DA**	6177	
	133000	*(15100)*	*	-	32600	*(145000)*		133000	*(15100)*	*	-	32600	*(145000)*	2	**6225DA**	6177	
0.192	99700	*(11300)*	*	-	23400	*(104000)*	0.231	99700	*(11300)*	*	-	23400	*(104000)*	2	**6215DA**	7569	
	133000	*(15100)*	*	-	32600	*(145000)*		133000	*(15100)*	*	-	32600	*(145000)*	2	**6225DA**	7569	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

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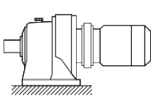
Selection Tables

3 HP
2.2 kW



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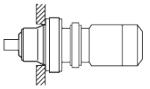

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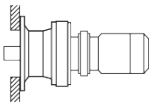

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz						Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base		VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
483	365	(41.3)	1.07	I	722	(3210)	583	303	(34.2)	1.07	I	681	(3030)	3	**6100**	3	
			1.45	II	722	(3210)				1.45	II	681	(3030)	3	**6105**	3	
290	609	(68.8)	1.07	I	857	(3810)	350	505	(57.0)	1.07	I	807	(3590)	3	**6100**	5	
			1.45	II	857	(3810)				1.45	II	807	(3590)	3	**6105**	5	
242	731	(82.6)	1.07	I	920	(4090)	292	606	(68.4)	1.07	I	867	(3860)	3	**6100**	6	
			1.45	II	920	(4090)				1.45	II	867	(3860)	3	**6105**	6	
			1.61	III	1040	(4640)				1.61	III	982	(4370)	3	**6110**	6	
			1.78	III	1040	(4640)				1.78	III	982	(4370)	3	**6115**	6	
			2.30	III	1180	(5260)				2.30	III	1110	(4950)	3	**6120**	6	
181	975	(110)	1.07	I	1020	(4560)	219	808	(91.2)	1.07	I	966	(4300)	3	**6100**	8	
			1.45	II	1020	(4560)				1.45	II	966	(4300)	3	**6105**	8	
			1.61	III	1160	(5170)				1.61	III	1090	(4870)	3	**6110**	8	
			1.78	III	1160	(5170)				1.78	III	1090	(4870)	3	**6115**	8	
			2.30	III	1320	(5870)				2.30	III	1240	(5520)	3	**6120**	8	
132	1340	(151)	1.07	I	1160	(5170)	159	1110	(125)	1.07	I	1100	(4870)	3	**6100**	11	
			1.45	II	1160	(5170)				1.45	II	1100	(4870)	3	**6105**	11	
			1.61	III	1330	(5900)				1.61	III	1250	(5560)	3	**6110**	11	
			1.78	III	1330	(5900)				1.78	III	1250	(5560)	3	**6115**	11	
			2.30	III	1500	(6670)				2.30	III	1410	(6280)	3	**6120**	11	
			2.69	III	1500	(6670)				2.69	III	1410	(6280)	3	**6125**	11	
112	1580	(179)	1.07	I	1210	(5360)	135	1310	(148)	1.07	I	1140	(5060)	3	**6100**	13	
			1.45	II	1210	(5360)				1.45	II	1140	(5060)	3	**6105**	13	
			1.61	III	1370	(6090)				1.61	III	1290	(5740)	3	**6110**	13	
			1.77	III	1370	(6090)				1.77	III	1290	(5740)	3	**6115**	13	
			2.30	III	1550	(6890)				2.30	III	1460	(6490)	3	**6120**	13	
			2.69	III	1550	(6890)				2.69	III	1460	(6490)	3	**6125**	13	
96.7	1830	(206)	1.07	I	1210	(5400)	117	1510	(171)	1.07	I	1200	(5340)	3	**6100**	15	
			1.45	II	1210	(5400)				1.45	II	1200	(5340)	3	**6105**	15	
			1.61	III	1460	(6490)				1.61	III	1380	(6120)	3	**6110**	15	
			1.77	III	1460	(6490)				1.77	III	1380	(6120)	3	**6115**	15	
			2.30	III	1660	(7390)				2.30	III	1560	(6960)	3	**6120**	15	
			2.69	III	1660	(7390)				2.69	III	1560	(6960)	3	**6125**	15	
85.3	2070	(234)	1.12	I	1210	(5400)	103	1720	(194)	1.12	I	1210	(5400)	3	**6105**	17	
			1.44	II	1470	(6550)				1.44	II	1390	(6180)	3	**6110**	17	
			1.77	III	1470	(6550)				1.77	III	1390	(6180)	3	**6115**	17	
			2.22	III	1680	(7460)				2.30	III	1580	(7030)	3	**6120**	17	
			2.57	III	1680	(7460)				2.57	III	1580	(7030)	3	**6125**	17	

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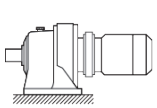
Selection Tables

3 HP
2.2 kW



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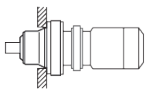

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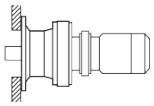

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
69.0	2560	(289)	1.04	I	1210	(5400)	83.3	2120	(240)	1.06	I	1210	(5400)	3	**6105**	21	
			1.24	I	1560	(6920)				1.24	I	1470	(6540)	3	**6110**	21	
			1.41	II	1560	(6920)				1.41	II	1470	(6540)	3	**6115**	21	
			1.80	III	1840	(8180)				1.80	III	1730	(7710)	3	**6120**	21	
			2.18	III	1840	(8180)				2.22	III	1730	(7710)	3	**6125**	21	
			2.70	III	2150	(9580)				2.79	III	2030	(9020)	3	**6130**	21	
58.0	3050	(344)	1.01	I	1580	(7010)	70.0	2520	(285)	1.01	I	1490	(6620)	3	**6115**	25	
			1.40	II	1920	(8560)				1.40	II	1810	(8070)	3	**6120**	25	
			1.80	III	1920	(8560)				1.80	III	1810	(8070)	3	**6125**	25	
			2.27	III	2240	(9950)				2.35	III	2110	(9370)	3	**6130**	25	
			2.62	III	2240	(9950)				2.71	III	2110	(9370)	3	**6135**	25	
50.0	3530	(399)	1.01	I	1610	(7160)	60.3	2930	(331)	1.01	I	1530	(6800)	3	**6115**	29	
			1.30	II	2000	(8880)				1.36	II	1880	(8380)	3	**6120**	29	
			1.58	II	2000	(8880)				1.71	III	1880	(8380)	3	**6125**	29	
			1.95	III	2350	(10500)				2.04	III	2210	(9850)	3	**6130**	29	
			2.22	III	2350	(10500)				2.56	III	2210	(9850)	3	**6135**	29	
			2.71	III	3380	(15000)				2.71	III	3200	(14200)	3	**6140**	29	
41.4	4260	(482)	0.82	-	1120	(4960)	50.0	3530	(399)	0.82	-	1630	(7230)	3	**6115**	35	
			1.08	I	2100	(9350)				1.13	I	1990	(8830)	3	**6120**	35	
			1.31	II	2100	(9350)				1.45	II	1990	(8830)	3	**6125**	35	
			1.62	III	2470	(11000)				1.69	III	2330	(10300)	3	**6130**	35	
			1.87	III	2470	(11000)				1.93	III	2330	(10300)	3	**6135**	35	
			2.37	III	3600	(16000)				2.37	III	3420	(15200)	3	**6140**	35	
			2.84	III	3600	(16000)				3.42	III	3420	(15200)	3	**6145**	35	
33.7	5240	(592)	1.06	I	2210	(9810)	40.7	4340	(490)	1.08	I	2110	(9380)	3	**6125**	43	
			1.32	II	2650	(11800)				1.36	II	2490	(11100)	3	**6130**	43	
			1.52	II	2650	(11800)				1.71	III	2490	(11100)	3	**6135**	43	
			1.79	III	3600	(16000)				1.79	III	3570	(15900)	3	**6140**	43	
			2.12	III	3600	(16000)				2.45	III	3570	(15900)	3	**6145**	43	
			2.93	III	4620	(20600)				3.39	III	4350	(19300)	3	**6160**	43	
28.4	6210	(702)	0.90	-	2210	(9810)	34.3	5150	(582)	1.04	I	2190	(9760)	3	**6125**	51	
			1.11	I	2750	(12200)				1.16	I	2590	(11500)	3	**6130**	51	
			1.16	I	2750	(12200)				1.33	II	2590	(11500)	3	**6135**	51	
			1.56	II	3600	(16000)				1.56	II	3600	(16000)	3	**6140**	51	
			1.68	III	3600	(16000)				1.92	III	3600	(16000)	3	**6145**	51	
			2.50	III	4800	(21300)				2.62	III	4520	(20100)	3	**6160**	51	
			2.99	III	4800	(21300)				3.42	III	4520	(20100)	3	**6165**	51	

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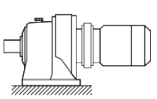
Selection Tables

3 HP
2.2 kW



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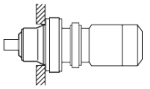

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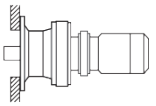


V

Dimension Pages:
Foot Mount (H) 2.100 - 2.129
V-Flange Mount (V) 2.130 - 2.159
F-Flange Mount (F) 2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
24.6	7190	(812)	1.11	I	2880	(12800)	29.7	5960	(673)	1.15	I	2720	(12100)	3	**6135**	59	
			1.35	II	3600	(16000)				1.35	II	3600	(16000)	3	**6140**	59	
			1.45	II	3600	(16000)				1.66	III	3600	(16000)	3	**6145**	59	
			2.01	III	4960	(22100)				2.01	III	4960	(22100)	3	**6160**	59	
			2.59	III	4960	(22100)				2.61	III	4960	(22100)	3	**6165**	59	
20.4	8650	(977)	0.92	-	3030	(13500)	24.6	7170	(810)	0.99	-	2870	(12800)	3	**6135**	71	
			1.11	I	3600	(16000)				1.11	I	3600	(16000)	3	**6140**	71	
			1.19	I	3600	(16000)				1.38	II	3600	(16000)	3	**6145**	71	
			1.58	II	4960	(22100)				1.58	II	4960	(22100)	3	**6160**	71	
			2.15	III	4960	(22100)				2.57	III	4960	(22100)	3	**6165**	71	
16.7	10600	(1200)	0.98	-	3600	(16000)	20.1	8780	(992)	1.13	I	3600	(16000)	3	**6145**	87	
			1.47	II	4960	(22100)				1.58	II	4960	(22100)	3	**6160**	87	
			1.71	III	4960	(22100)				1.77	III	4960	(22100)	3	**6165**	87	
13.9	6900	(780)	*	-	3310	(14700)	16.8	6900	(780)	*	-	3310	(14700)	3	**6130DC**	104	
	8320	(940)	*	-	3310	(14700)		8320	(940)	*	-	3310	(14700)	3	**6135DC**	104	
	12000	(1360)	1.01	I	3600	(16000)		9950	(1120)	1.22	I	3600	(16000)	3	**6145DC**	104	
			1.29	I	4960	(22100)				1.56	II	4960	(22100)	3	**6160DC**	104	
			1.55	II	4960	(22100)				1.87	III	4960	(22100)	3	**6165DC**	104	
			1.86	III	6630	(29500)				2.25	III	6610	(29400)	3	**6170DC**	104	
			2.32	III	6630	(29500)				2.80	III	6610	(29400)	3	**6175DC**	104	
			2.99	III	9270	(41300)				3.61	III	8720	(38800)	3	**6180DB**	104	
12.0	8320	(940)	*	-	3310	(14700)	14.5	8320	(940)	*	-	3310	(14700)	3	**6135DC**	121	
	11400	(1290)	*	-	3600	(16000)		11600	(1310)	0.99	-	3600	(16000)	3	**6145DC**	121	
	14000	(1580)	1.11	I	4960	(22100)				1.34	II	4960	(22100)	3	**6160DC**	121	
			1.33	II	4960	(22100)				1.61	III	4960	(22100)	3	**6165DC**	121	
			1.60	III	6630	(29500)				1.94	III	6630	(29500)	3	**6170DC**	121	
			2.00	III	6630	(29500)				2.41	III	6630	(29500)	3	**6175DC**	121	
			2.57	III	9380	(41700)				3.11	III	9300	(41300)	3	**6180DB**	121	
10.1	10800	(1230)	*	-	3600	(16000)	12.2	9420	(1060)	*	-	3600	(16000)	3	**6140DB**	143	
	12100	(1370)	*	-	3580	(15900)		12100	(1370)	*	-	3580	(15900)	3	**6145DC**	143	
	16500	(1860)	1.13	I	4960	(22100)		13700	(1550)	1.36	II	4960	(22100)	3	**6165DC**	143	
			1.35	II	6630	(29500)				1.64	III	6630	(29500)	3	**6170DC**	143	
			1.69	III	6630	(29500)				2.04	III	6630	(29500)	3	**6175DC**	143	
			2.18	III	9380	(41700)				2.63	III	9380	(41700)	3	**6180DB**	143	
			2.63	III	9380	(41700)				3.17	III	9380	(41700)	3	**6185DB**	143	

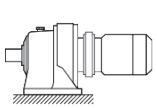
Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:
AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

3 HP
2.2 kW



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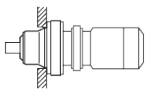

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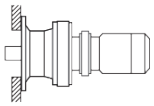


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
8.79	10800	(1230)	*	-	3600	(16000)	10.6	10800	(1230)	*	-	3600	(16000)	3	**6140DB**	165	
	12000	(1360)	*	-	3600	(16000)		12000	(1360)	*	-	3600	(16000)	3	**6145DC**	165	
	15500	(1760)	*	-	4960	(22100)		15800	(1780)	0.98	-	4960	(22100)	3	**6160DC**	165	
	19000	(2150)	0.98	-	4960	(22100)				1.18	I	4960	(22100)	3	**6165DC**	165	
			1.18	I	6630	(29500)				1.42	II	6630	(29500)	3	**6170DC**	165	
			1.46	II	6630	(29500)				1.77	III	6630	(29500)	3	**6175DC**	165	
			1.89	III	9380	(41700)				2.28	III	9380	(41700)	3	**6180DB**	165	
			2.29	III	9380	(41700)				2.76	III	9380	(41700)	3	**6185DB**	165	
			2.97	III	13300	(59000)				3.58	III	13300	(59000)	3	**6190DB**	165	
7.44	15500	(1760)	*	-	4960	(22100)	8.97	15500	(1760)	*	-	4960	(22100)	3	**6160DC**	195	
	18600	(2100)	*	-	4960	(22100)		18600	(2110)	1.00	I	4960	(22100)	3	**6165DC**	195	
	22500	(2540)	0.99	-	6630	(29500)				1.20	I	6630	(29500)	3	**6170DC**	195	
			1.24	I	6630	(29500)				1.50	II	6630	(29500)	3	**6175DC**	195	
			1.60	III	9380	(41700)				1.93	III	9380	(41700)	3	**6180DB**	195	
			1.94	III	9380	(41700)				2.34	III	9380	(41700)	3	**6185DB**	195	
			2.51	III	13300	(59000)				2.69	III	13300	(59000)	3	**6190DA**	195	
			2.51	III	13300	(59000)				3.03	III	13300	(59000)	3	**6190DB**	195	
6.28	15500	(1760)	*	-	4960	(22100)	7.58	15500	(1760)	*	-	4960	(22100)	3	**6160DC**	231	
	18600	(2100)	*	-	4960	(22100)		18600	(2100)	*	-	4960	(22100)	3	**6165DC**	231	
	26700	(3010)	1.05	I	6630	(29500)		22100	(2500)	1.26	I	6630	(29500)	3	**6175DC**	231	
			1.34	II	9380	(41700)				1.62	III	9380	(41700)	3	**6180DB**	231	
			1.66	III	9380	(41700)				2.00	III	9380	(41700)	3	**6185DB**	231	
			2.12	III	13300	(59000)				2.56	III	13300	(59000)	3	**6190DA**	231	
			2.64	III	13300	(59000)				2.69	III	13300	(59000)	3	**6195DA**	231	
			2.64	III	13300	(59000)				3.19	III	13300	(59000)	3	**6195DB**	231	
5.31	18600	(2100)	*	-	4960	(22100)	6.41	18600	(2100)	*	-	4960	(22100)	3	**6165DC**	273	
	22400	(2530)	*	-	6630	(29500)		22400	(2530)	*	-	6630	(29500)	3	**6170DC**	273	
	27900	(3150)	*	-	6630	(29500)		26100	(2950)	1.07	I	6630	(29500)	3	**6175DC**	273	
	31500	(3560)	1.14	I	9380	(41700)				1.37	II	9380	(41700)	3	**6180DB**	273	
			1.40	II	9380	(41700)				1.70	III	9380	(41700)	3	**6185DB**	273	
			1.79	III	13300	(59000)				2.16	III	13300	(59000)	3	**6190DA**	273	
			2.24	III	13300	(59000)				2.69	III	13300	(59000)	3	**6195DA**	273	
			2.61	III	18900	(84100)				3.14	III	18900	(84100)	3	**6205DB**	273	
4.55	22400	(2530)	*	-	6630	(29500)	5.49	22400	(2530)	*	-	6630	(29500)	3	**6170DC**	319	
	27900	(3150)	*	-	6630	(29500)		27900	(3150)	*	-	6630	(29500)	3	**6175DC**	319	
	36800	(4160)	1.20	I	9380	(41700)		30500	(3450)	1.45	II	9380	(41700)	3	**6185DB**	319	
			1.53	II	13300	(59000)				1.85	III	13300	(59000)	3	**6190DA**	319	
			1.91	III	13300	(59000)				2.31	III	13300	(59000)	3	**6195DA**	319	
			2.22	III	18900	(84100)				2.68	III	18900	(84100)	3	**6205DB**	319	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

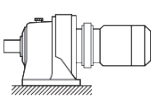
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

3 HP
2.2 kW



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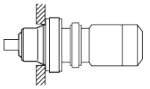

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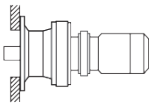


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
3.85	27900	(3150)	*	-	6630	(29500)	4.64	27900	(3150)	*	-	6630	(29500)	3	**6175DC**	377	
	35900	(4050)	*	-	9380	(41700)		36100	(4070)	0.99	-	9380	(41700)	3	**6180DB**	377	
	43500	(4920)	1.02	I	9380	(41700)				1.23	I	9380	(41700)	3	**6185DB**	377	
			1.30	II	13300	(59000)				1.57	II	13300	(59000)	3	**6190DA**	377	
			1.62	III	13300	(59000)				1.95	III	13300	(59000)	3	**6195DA**	377	
			1.74	III	18900	(84100)				1.97	III	18900	(84100)	3	**6205DA**	377	
			1.88	III	18900	(84100)				2.27	III	18900	(84100)	3	**6205DB**	377	
			2.57	III	23400	(104000)				3.11	III	23400	(104000)	3	**6215DA**	377	
3.07	35900	(4060)	*	-	9380	(41700)	3.70	35900	(4060)	*	-	9380	(41700)	3	**6180DB**	473	
	44300	(5000)	*	-	9380	(41700)		45200	(5110)	0.98	-	9380	(41700)	3	**6185DB**	473	
	54600	(6170)	1.03	I	13300	(59000)				1.25	I	13300	(59000)	3	**6190DA**	473	
			1.29	I	13300	(59000)				1.56	II	13300	(59000)	3	**6195DA**	473	
			1.51	II	18900	(84100)				1.82	III	18900	(84100)	3	**6205DB**	473	
			2.05	III	23400	(104000)				2.48	III	23400	(104000)	3	**6215DA**	473	
			2.59	III	32600	(145000)				3.13	III	32600	(145000)	3	**6225DA**	473	
2.59	44300	(5000)	*	-	9380	(41700)	3.13	44300	(5000)	*	-	9380	(41700)	3	**6185DB**	559	
	64500	(7290)	1.09	I	13300	(59000)		53500	(6040)	1.32	II	13300	(59000)	3	**6195DA**	559	
			1.20	I	18900	(84100)				1.36	II	18900	(84100)	3	**6205DA**	559	
			1.28	I	18900	(84100)				1.54	II	18900	(84100)	3	**6205DB**	559	
			1.74	III	23400	(104000)				2.09	III	23400	(104000)	3	**6215DA**	559	
			2.19	III	32600	(145000)				2.65	III	32600	(145000)	3	**6225DA**	559	
			2.81	III	40100	(179000)				3.39	III	40100	(179000)	3	**6235DA**	559	C.F.
2.23	44300	(5000)	*	-	9350	(41600)	2.70	44300	(5000)	*	-	9350	(41600)	3	**6185DB**	649	
	56500	(6380)	*	-	13200	(58600)		56500	(6380)	*	-	13200	(58600)	3	**6190DA**	649	
	70500	(7960)	*	-	13100	(58100)		62100	(7010)	1.14	I	13100	(58400)	3	**6195DA**	649	
	74900	(8460)	1.10	I	18900	(84100)				1.33	II	18900	(84100)	3	**6205DB**	649	
			1.49	II	23400	(104000)				1.80	III	23400	(104000)	3	**6215DA**	649	
			1.88	III	32600	(145000)				2.26	III	32600	(145000)	3	**6225DA**	649	
			2.42	III	40100	(179000)				2.92	III	40100	(179000)	3	**6235DA**	649	C.F.
1.98	56500	(6380)	*	-	13300	(59000)	2.39	56500	(6380)	*	-	13300	(59000)	3	**6190DA**	731	
	70500	(7960)	*	-	13300	(59000)		69900	(7900)	1.01	I	13300	(59000)	3	**6195DA**	731	
	84400	(9530)	0.98	-	18900	(84100)				1.15	I	18900	(84100)	3	**6205DA**	731	
			0.98	-	18900	(84100)				1.18	I	18900	(84100)	3	**6205DB**	731	
			1.33	II	23400	(104000)				1.60	III	23400	(104000)	3	**6215DA**	731	
			1.68	III	32600	(145000)				2.03	III	32600	(145000)	3	**6225DA**	731	
			2.15	III	40100	(179000)				2.60	III	40100	(179000)	3	**6235DA**	731	C.F.
			2.71	III	46800	(208000)				3.27	III	46800	(208000)	3	**6245DA**	731	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

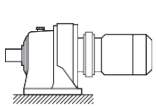
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

3 HP
2.2 kW



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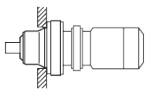

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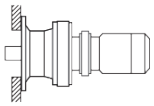


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
1.72	56500	(6380)	*	-	13300	(59000)	2.08	56500	(6380)	*	-	13300	(59000)	3	**6190DA**	841	
	70500	(7960)	*	-	13300	(59000)		70500	(7960)	*	-	13300	(59000)	3	**6195DA**	841	
	81700	(9230)	*	-	18900	(84100)		80400	(9090)	1.02	I	18900	(84100)	3	**6205DA**	841	
	97100	(11000)	1.15	I	23400	(104000)				1.39	II	23400	(104000)	3	**6215DA**	841	
			1.37	II	32600	(145000)				1.65	III	32600	(145000)	3	**6225DA**	841	
			1.72	III	40100	(179000)				2.08	III	40100	(179000)	3	**6235DA**	841	
			2.35	III	46800	(208000)				2.84	III	46800	(208000)	3	**6245DA**	841	
1.45	70500	(7960)	*	-	13100	(58100)	1.74	70500	(7960)	*	-	13100	(58100)	3	**6195DA**	1003	
	82300	(9300)	*	-	18900	(84100)		80100	(9060)	*	-	18900	(84100)	3	**6205DA**	1003	
	116000	(13100)	0.97	-	23400	(104000)		95900	(10800)	1.17	I	23400	(104000)	3	**6215DA**	1003	
			1.21	I	32600	(145000)				1.46	II	32600	(145000)	3	**6225DA**	1003	
			1.57	II	40100	(179000)				1.89	III	40100	(179000)	3	**6235DA**	1003	C.F.
			1.97	III	46800	(208000)				2.38	III	46800	(208000)	3	**6245DA**	1003	C.F.
1.16	82300	(9300)	*	-	18900	(84100)	1.40	82300	(9300)	*	-	18900	(84100)	3	**6205DA**	1247	
	112000	(12700)	*	-	23400	(104000)		112000	(12700)	*	-	23400	(104000)	3	**6215DA**	1247	
	144000	(16300)	0.98	-	32600	(145000)		119000	(13500)	1.19	I	32600	(145000)	3	**6225DA**	1247	
			1.26	I	40100	(179000)				1.52	II	40100	(179000)	3	**6235DA**	1247	
			1.59	II	46800	(208000)				1.91	III	46800	(208000)	3	**6245DA**	1247	
0.980	99700	(11300)	*	-	23400	(104000)	1.18	99700	(11300)	*	-	23400	(104000)	3	**6215DA**	1479	
	133000	(15100)	*	-	32600	(145000)		133000	(15100)	*	-	32600	(145000)	3	**6225DA**	1479	
	152000	(17200)	*	-	40100	(179000)		141000	(16000)	1.07	I	40100	(179000)	3	**6235DA**	1479	C.F.
	171000	(19300)	1.17	I	46800	(208000)				1.42	II	46800	(208000)	3	**6245DA**	1479	C.F.
0.784	142000	(16000)	*	-	32600	(145000)	0.946	142000	(16000)	*	-	32600	(145000)	3	**6225DA**	1849	
	181000	(20500)	*	-	40100	(179000)		177000	(20000)	1.03	I	40100	(179000)	3	**6235DA**	1849	
	213000	(24100)	1.07	I	46800	(208000)				1.29	I	46800	(208000)	3	**6245DA**	1849	
0.702	141000	(15900)	*	-	32600	(145000)	0.847	141000	(15900)	*	-	32600	(145000)	3	**6225DA**	2065	
	181000	(20500)	*	-	40100	(179000)		181000	(20500)	*	-	40100	(179000)	3	**6235DA**	2065	
	238000	(26900)	0.96	-	46800	(208000)		197000	(22300)	1.16	I	46800	(208000)	3	**6245DA**	2065	
0.572	181000	(20500)	*	-	40100	(179000)	0.690	181000	(20500)	*	-	40100	(179000)	3	**6235DA**	2537	
	228000	(25800)	*	-	46800	(208000)		228000	(25800)	*	-	46800	(208000)	3	**6245DA**	2537	
0.476	152000	(17200)	*	-	40100	(179000)	0.575	152000	(17200)	*	-	40100	(179000)	3	**6235DA**	3045	
	200000	(22600)	*	-	46800	(208000)		200000	(22600)	*	-	46800	(208000)	3	**6245DA**	3045	
0.417	181000	(20500)	*	-	40100	(179000)	0.503	181000	(20500)	*	-	40100	(179000)	3	**6235DA**	3481	
	228000	(25800)	*	-	46800	(208000)		228000	(25800)	*	-	46800	(208000)	3	**6245DA**	3481	
0.327	152000	(17200)	*	-	40100	(179000)	0.394	152000	(17200)	*	-	40100	(179000)	3	**6235DA**	4437	
	200000	(22600)	*	-	46800	(208000)		200000	(22600)	*	-	46800	(208000)	3	**6245DA**	4437	
0.282	181000	(20500)	*	-	40100	(179000)	0.341	181000	(20500)	*	-	40100	(179000)	3	**6235DA**	5133	
	228000	(25800)	*	-	46800	(208000)		228000	(25800)	*	-	46800	(208000)	3	**6245DA**	5133	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

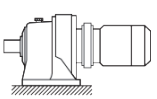
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

3 HP
2.2 kW



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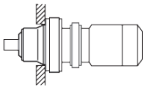

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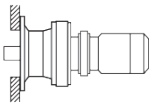


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
0.235	152000	*(17200)*	*	-	40100	*(179000)*	0.283	152000	*(17200)*	*	-	40100	*(179000)*	3	**6235DA**	6177	
	200000	*(22600)*	*	-	46800	*(208000)*		200000	*(22600)*	*	-	46800	*(208000)*	3	**6245DA**	6177	
0.192	152000	*(17200)*	*	-	40100	*(179000)*	0.231	152000	*(17200)*	*	-	40100	*(179000)*	3	**6235DA**	7569	
	200000	*(22600)*	*	-	46800	*(208000)*		200000	*(22600)*	*	-	46800	*(208000)*	3	**6245DA**	7569	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

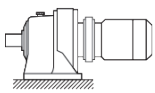
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

5 HP
3.7 kW



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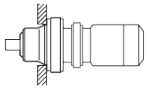

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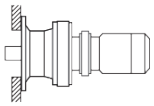

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
483	615	(69.5)	1.37	I	906	(4030)	583	509	(57.5)	1.37	I	863	(3840)	5	**6120**	3	
			1.68	II	906	(4030)				1.57	II	863	(3840)	5	**6125**	3	
			2.54	III	1050	(4690)				2.54	III	998	(4440)	5	**6130**	3	
290	1020	(116)	1.37	I	1070	(4780)	350	849	(95.9)	1.37	I	1020	(4550)	5	**6120**	5	
			1.68	II	1070	(4780)				1.57	II	1020	(4550)	5	**6125**	5	
			2.54	III	1250	(5560)				2.54	III	1180	(5260)	5	**6130**	5	
242	1230	(139)	1.06	I	1030	(4580)	292	1020	(115)	1.06	I	971	(4320)	5	**6115**	6	
			1.37	II	1170	(5210)				1.37	II	1100	(4910)	5	**6120**	6	
			1.88	III	1170	(5210)				1.57	II	1100	(4910)	5	**6125**	6	
			2.54	III	1380	(6120)				2.54	III	1300	(5760)	5	**6130**	6	
181	1640	(185)	1.06	I	1140	(5090)	219	1360	(153)	1.06	I	1080	(4800)	5	**6115**	8	
			1.37	II	1300	(5800)				1.37	II	1230	(5470)	5	**6120**	8	
			1.88	III	1300	(5800)				1.88	III	1230	(5470)	5	**6125**	8	
			2.54	III	1530	(6820)				2.54	III	1440	(6420)	5	**6130**	8	
132	2250	(255)	1.06	I	1300	(5780)	159	1870	(211)	1.06	I	1230	(5460)	5	**6115**	11	
			1.37	II	1480	(6580)				1.37	II	1390	(6200)	5	**6120**	11	
			1.60	III	1480	(6580)				1.60	III	1390	(6200)	5	**6125**	11	
			2.54	III	1750	(7770)				2.54	III	1650	(7320)	5	**6130**	11	
112	2660	(301)	1.05	I	1340	(5960)	135	2210	(249)	1.05	I	1270	(5640)	5	**6115**	13	
			1.37	II	1520	(6780)				1.37	II	1440	(6400)	5	**6120**	13	
			1.60	III	1520	(6780)				1.60	III	1440	(6400)	5	**6125**	13	
			2.54	III	1820	(8080)				2.54	III	1710	(7620)	5	**6130**	13	
			2.76	III	1820	(8080)				3.05	III	1710	(7620)	5	**6135**	13	
96.7	3070	(347)	1.05	I	1420	(6330)	117	2550	(288)	1.05	I	1350	(5990)	5	**6115**	15	
			1.37	II	1630	(7260)				1.37	II	1540	(6860)	5	**6120**	15	
			1.60	III	1630	(7260)				1.60	III	1540	(6860)	5	**6125**	15	
			2.10	III	1850	(8250)				2.10	III	1750	(7770)	5	**6130**	15	
			2.42	III	1850	(8250)				2.42	III	1750	(7770)	5	**6135**	15	
85.3	3480	(394)	1.05	I	1430	(6380)	103	2890	(326)	1.05	I	1360	(6040)	5	**6115**	17	
			1.32	II	1650	(7320)				1.37	II	1550	(6920)	5	**6120**	17	
			1.53	II	1650	(7320)				1.53	II	1550	(6920)	5	**6125**	17	
			1.97	III	1990	(8850)				1.97	III	1870	(8340)	5	**6130**	17	
			2.24	III	1990	(8850)				2.24	III	1870	(8340)	5	**6135**	17	
			2.72	III	2930	(13100)				2.72	III	2780	(12300)	5	**6140**	17	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

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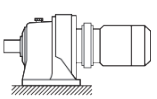
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

5 HP
3.7 kW



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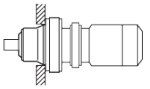

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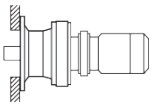

V

Dimension Pages:
Foot Mount (H) 2.100 - 2.129
V-Flange Mount (V) 2.130 - 2.159
F-Flange Mount (F) 2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
69.0	4300	(486)	0.84	-	1130	(5010)	83.3	3570	(403)	0.84	-	1430	(6350)	5	**6115**	21	
			1.07	I	1800	(8010)				1.07	I	1700	(7570)	5	**6120**	21	
			1.30	II	1800	(8010)				1.32	II	1700	(7570)	5	**6125**	21	
			1.60	III	2120	(9440)				1.66	III	2000	(8900)	5	**6130**	21	
			1.82	III	2120	(9440)				2.04	III	2000	(8900)	5	**6135**	21	
			2.34	III	3140	(14000)				2.34	III	2970	(13200)	5	**6140**	21	
			2.56	III	3140	(14000)				2.96	III	2970	(13200)	5	**6145**	21	
58.0	5120	(579)	1.07	I	1880	(8350)	70.0	4240	(480)	1.07	I	1780	(7900)	5	**6125**	25	
			1.35	II	2200	(9790)				1.39	II	2080	(9240)	5	**6130**	25	
			1.56	II	2200	(9790)				1.61	III	2080	(9240)	5	**6135**	25	
			1.86	III	3290	(14600)				1.86	III	3110	(13800)	5	**6140**	25	
			2.14	III	3290	(14600)				2.14	III	3110	(13800)	5	**6145**	25	
			2.67	III	3870	(17200)				2.67	III	3650	(16200)	5	**6160**	25	
50.0	5940	(671)	0.94	-	1940	(8640)	60.3	4920	(556)	1.02	I	1840	(8180)	5	**6125**	29	
			1.16	I	2310	(10300)				1.21	I	2180	(9700)	5	**6130**	29	
			1.32	II	2310	(10300)				1.52	II	2180	(9700)	5	**6135**	29	
			1.61	III	3360	(14900)				1.61	III	3180	(14200)	5	**6140**	29	
			2.04	III	3360	(14900)				2.04	III	3180	(14200)	5	**6145**	29	
			2.58	III	4040	(18000)				2.84	III	3810	(16900)	5	**6160**	29	
41.4	7170	(810)	1.11	I	2420	(10800)	50.0	5940	(671)	1.15	I	2290	(10200)	5	**6135**	35	
			1.41	II	3590	(16000)				1.41	II	3400	(15100)	5	**6140**	35	
			1.69	III	3590	(16000)				2.04	III	3400	(15100)	5	**6145**	35	
			2.17	III	4280	(19100)				2.61	III	4030	(17900)	5	**6160**	35	
			2.59	III	4280	(19100)				3.08	III	4030	(17900)	5	**6165**	35	
33.7	8810	(995)	0.90	-	2580	(11500)	40.7	7300	(825)	1.02	I	2440	(10900)	5	**6135**	43	
			1.07	I	3600	(16000)				1.07	I	3550	(15800)	5	**6140**	43	
			1.26	I	3600	(16000)				1.46	II	3550	(15800)	5	**6145**	43	
			1.74	III	4570	(20300)				2.01	III	4310	(19200)	5	**6160**	43	
			2.11	III	4570	(20300)				2.14	III	4310	(19200)	5	**6165**	43	
			2.45	III	5170	(23000)				2.64	III	4870	(21700)	5	**6170**	43	
28.4	10400	(1180)	1.00	I	3590	(16000)	34.3	8660	(978)	1.14	I	3600	(16000)	5	**6145**	51	
			1.49	II	4740	(21100)				1.55	II	4470	(19900)	5	**6160**	51	
			1.78	III	4740	(21100)				2.04	III	4470	(19900)	5	**6165**	51	
			2.07	III	5390	(24000)				2.27	III	5070	(22600)	5	**6170**	51	
			2.67	III	5390	(24000)				3.05	III	5070	(22600)	5	**6175**	51	

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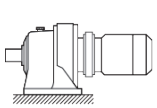
Selection Tables

5 HP
3.7 kW



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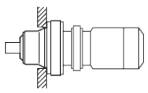

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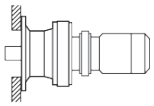


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
24.6	12100	(1370)	0.86	-	3600	(16000)	29.7	10000	(1130)	0.99	-	3600	(16000)	5	**6145**	59	
			1.19	I	4960	(22100)				1.19	I	4960	(22100)	5	**6160**	59	
			1.54	II	4960	(22100)				1.55	II	4960	(22100)	5	**6165**	59	
			1.79	III	5650	(25100)				1.93	III	5320	(23700)	5	**6170**	59	
			2.24	III	5650	(25100)				2.24	III	5320	(23700)	5	**6175**	59	
			2.64	III	7560	(33600)				2.64	III	7110	(31600)	5	**6180**	59	C.F.
20.4	14500	(1640)	1.28	I	4960	(22100)	24.6	12100	(1360)	1.53	II	4930	(21900)	5	**6165**	71	
			1.49	II	5970	(26500)				1.60	III	5620	(25000)	5	**6170**	71	
			1.89	III	5970	(26500)				1.93	III	5620	(25000)	5	**6175**	71	
			2.38	III	8040	(35700)				2.38	III	7560	(33600)	5	**6180**	71	C.F.
			2.65	III	8040	(35700)				2.65	III	7560	(33600)	5	**6185**	71	C.F.
16.7	17800	(2010)	1.02	I	4910	(21800)	20.1	14800	(1670)	1.05	I	4890	(21800)	5	**6165**	87	
			1.23	I	6380	(28400)				1.30	II	6020	(26800)	5	**6170**	87	
			1.52	II	6380	(28400)				1.52	II	6020	(26800)	5	**6175**	87	
			1.93	III	8640	(38400)				1.93	III	8140	(36200)	5	**6180**	87	C.F.
			2.32	III	8640	(38400)				2.32	III	8140	(36200)	5	**6185**	87	C.F.
13.9	15500	(1760)	*	-	4960	(22100)	16.8	15500	(1760)	*	-	4960	(22100)	5	**6160DC**	104	
	18600	(2100)	*	-	4960	(22100)		16700	(1890)	1.11	I	4960	(22100)	5	**6165DC**	104	
	20200	(2280)	1.11	I	6630	(29500)				1.34	II	6520	(29000)	5	**6170DC**	104	
			1.38	II	6630	(29500)				1.67	III	6520	(29000)	5	**6175DC**	104	
			1.78	III	9200	(40900)				2.15	III	8660	(38500)	5	**6180DB**	104	
			2.15	III	9200	(40900)				2.59	III	8660	(38500)	5	**6185DB**	104	
			2.80	III	12900	(57200)				3.05	III	12100	(53800)	5	**6190DB**	104	
12.0	18600	(2100)	*	-	4960	(22100)	14.5	18600	(2100)	*	-	4960	(22100)	5	**6165DC**	121	
	23500	(2650)	1.19	I	6630	(29500)		19500	(2200)	1.43	II	6630	(29500)	5	**6175DC**	121	
			1.53	II	9380	(41700)				1.85	III	9220	(41000)	5	**6180DB**	121	
			1.81	III	9380	(41700)				2.19	III	9220	(41000)	5	**6185DB**	121	
			2.40	III	13300	(59000)				2.90	III	12900	(57300)	5	**6190DB**	121	
			2.86	III	13300	(59000)				3.05	III	12900	(57300)	5	**6195DB**	121	
10.1	22400	(2530)	*	-	6630	(29500)	12.2	23000	(2600)	0.97	-	6630	(29500)	5	**6170DC**	143	
	27800	(3140)	1.00	I	6630	(29500)				1.21	I	6630	(29500)	5	**6175DC**	143	
			1.29	I	9380	(41700)				1.56	II	9380	(41700)	5	**6180DB**	143	
			1.56	II	9380	(41700)				1.89	III	9380	(41700)	5	**6185DB**	143	
			2.03	III	13300	(59000)				2.46	III	13300	(59000)	5	**6190DB**	143	
			2.43	III	13300	(59000)				2.94	III	13300	(59000)	5	**6195DB**	143	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

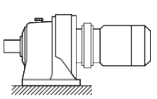
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

5 HP
3.7 kW



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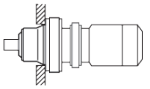

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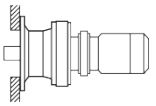


V

Dimension Pages:
Foot Mount (H) 2.100 - 2.129
V-Flange Mount (V) 2.130 - 2.159
F-Flange Mount (F) 2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
8.79	22400	(2530)	*	-	6630	(29500)	10.6	22400	(2530)	*	-	6630	(29500)	5	**6170DC**	165	
	27900	(3150)	*	-	6630	(29500)		26500	(3000)	1.05	I	6630	(29500)	5	**6175DC**	165	
	32000	(3620)	1.12	I	9380	(41700)				1.35	II	9380	(41700)	5	**6180DB**	165	
			1.36	II	9380	(41700)				1.64	III	9380	(41700)	5	**6185DB**	165	
			1.76	III	13300	(59000)				2.13	III	13300	(59000)	5	**6190DB**	165	
			2.19	III	13300	(59000)				2.64	III	13300	(59000)	5	**6195DB**	165	
			2.56	III	18900	(84100)				3.05	III	18900	(84100)	5	**6205DB**	165	
7.44	27900	(3150)	*	-	6630	(29500)	8.97	27900	(3150)	*	-	6630	(29500)	5	**6175DC**	195	
	37900	(4280)	1.15	I	9380	(41700)		31400	(3540)	1.39	II	9380	(41700)	5	**6185DB**	195	
			1.49	II	13300	(59000)				1.60	III	13300	(59000)	5	**6190DA**	195	
			1.49	II	13300	(59000)				1.80	III	13300	(59000)	5	**6190DB**	195	
			1.85	III	13300	(59000)				2.23	III	13300	(59000)	5	**6195DB**	195	
			2.17	III	18900	(84100)				2.62	III	18900	(84100)	5	**6205DB**	195	
			2.76	III	23400	(104000)				3.05	III	23400	(104000)	5	**6215DA**	195	
			2.85	III	23400	(104000)				3.43	III	23400	(104000)	5	**6215DB**	195	C.F.
6.28	35900	(4050)	*	-	9380	(41700)	7.58	37200	(4200)	0.97	-	9380	(41700)	5	**6180DB**	231	
	44800	(5070)	0.99	-	9380	(41700)				1.19	I	9380	(41700)	5	**6185DB**	231	
			1.26	I	13300	(59000)				1.52	II	13300	(59000)	5	**6190DA**	231	
			1.57	II	13300	(59000)				1.60	III	13300	(59000)	5	**6195DA**	231	
			1.57	II	13300	(59000)				1.90	III	13300	(59000)	5	**6195DB**	231	
			1.83	III	18900	(84100)				2.21	III	18900	(84100)	5	**6205DB**	231	
			2.47	III	23400	(104000)				2.98	III	23400	(104000)	5	**6215DA**	231	
			2.92	III	31400	(140000)				3.05	III	29700	(132000)	5	**6225DA**	231	
			2.92	III	31400	(140000)				3.53	III	29700	(132000)	5	**6225DB**	231	C.F.
5.31	35900	(4050)	*	-	9380	(41700)	6.41	35900	(4050)	*	-	9380	(41700)	5	**6180DB**	273	
	44300	(5000)	*	-	9380	(41700)		43900	(4960)	1.01	I	9380	(41700)	5	**6185DB**	273	
	53000	(5990)	1.07	I	13300	(59000)				1.29	I	13300	(59000)	5	**6190DA**	273	
			1.33	II	13300	(59000)				1.60	III	13300	(59000)	5	**6195DA**	273	
			1.55	II	18900	(84100)				1.87	III	18900	(84100)	5	**6205DB**	273	
			2.09	III	23400	(104000)				2.52	III	23400	(104000)	5	**6215DA**	273	
			2.47	III	32600	(145000)				2.98	III	31200	(139000)	5	**6225DA**	273	
4.55	44300	(5000)	*	-	9380	(41700)	5.49	44300	(5000)	*	-	9380	(41700)	5	**6185DB**	319	
	61900	(7000)	1.14	I	13300	(59000)		51300	(5800)	1.37	II	13300	(59000)	5	**6195DA**	319	
			1.32	II	18900	(84100)				1.59	II	18900	(84100)	5	**6205DB**	319	
			1.81	III	23400	(104000)				2.18	III	23400	(104000)	5	**6215DA**	319	
			2.15	III	32600	(145000)				2.59	III	32400	(144000)	5	**6225DA**	319	
			2.70	III	40100	(179000)				3.26	III	40100	(179000)	5	**6235DA**	319	C.F.

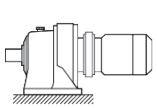
Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:
AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

5 HP
3.7 kW



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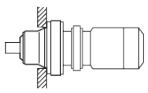

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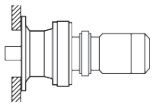


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
3.85	56500	(6380)	*	-	13300	(59000)	4.64	56500	(6380)	*	-	13300	(59000)	5	**6190DA**	377	
	73200	(8270)	0.96	-	13200	(58900)		60600	(6850)	1.16	I	13300	(59000)	5	**6195DA**	377	
			1.03	I	18900	(84100)				1.17	I	18900	(84100)	5	**6205DA**	377	
			1.12	I	18900	(84100)				1.35	II	18900	(84100)	5	**6205DB**	377	
			1.53	II	23400	(104000)				1.85	III	23400	(104000)	5	**6215DA**	377	
			1.82	III	32600	(145000)				2.20	III	32600	(145000)	5	**6225DA**	377	
			2.29	III	40100	(179000)				2.76	III	40100	(179000)	5	**6235DA**	377	C.F.
3.07	70500	(7960)	*	-	13300	(59000)	3.70	70500	(7960)	*	-	13300	(59000)	5	**6195DA**	473	
	82300	(9300)	*	-	18900	(84100)		76100	(8600)	1.08	I	18900	(84100)	5	**6205DB**	473	
	91800	(10400)	1.22	I	23400	(104000)				1.47	II	23400	(104000)	5	**6215DA**	473	
			1.54	II	32600	(145000)				1.86	III	32600	(145000)	5	**6225DA**	473	
			1.98	III	40100	(179000)				2.38	III	40100	(179000)	5	**6235DA**	473	C.F.
			2.49	III	46800	(208000)				3.00	III	46800	(208000)	5	**6245DA**	473	C.F.
2.59	109000	(12300)	1.03	I	23400	(104000)	3.13	89900	(10200)	1.25	I	23400	(104000)	5	**6215DA**	559	
			1.31	II	32600	(145000)				1.58	II	32600	(145000)	5	**6225DA**	559	
			1.67	III	40100	(179000)				2.02	III	40100	(179000)	5	**6235DA**	559	C.F.
			2.10	III	46800	(208000)				2.54	III	46800	(208000)	5	**6245DA**	559	C.F.
			2.81	III	58000	(258000)				3.40	III	58000	(258000)	5	**6255DA**	559	C.F.
2.23	112000	(12700)	*	-	23400	(104000)	2.70	104000	(11800)	1.07	I	23400	(104000)	5	**6215DA**	649	
	126000	(14200)	1.12	I	32600	(145000)				1.35	II	32600	(145000)	5	**6225DA**	649	
			1.44	II	40100	(179000)				1.74	III	40100	(179000)	5	**6235DA**	649	C.F.
			1.81	III	46800	(208000)				2.19	III	46800	(208000)	5	**6245DA**	649	C.F.
			2.42	III	58000	(258000)				2.93	III	58000	(258000)	5	**6255DA**	649	C.F.
1.98	112000	(12700)	*	-	23400	(104000)	2.39	112000	(12700)	*	-	23400	(104000)	5	**6215DA**	731	
	142000	(16000)	1.00	I	32600	(145000)		118000	(13300)	1.20	I	32600	(145000)	5	**6225DA**	731	
			1.28	I	40100	(179000)				1.54	II	40100	(179000)	5	**6235DA**	731	
			1.61	III	46800	(208000)				1.94	III	46800	(208000)	5	**6245DA**	731	
			2.15	III	58000	(258000)				2.60	III	58000	(258000)	5	**6255DA**	731	C.F.
1.72	112000	(12700)	*	-	23400	(104000)	2.08	112000	(12700)	*	-	23400	(104000)	5	**6215DA**	841	
	133000	(15000)	*	-	32600	(145000)		135000	(15300)	0.98	-	32600	(145000)	5	**6225DA**	841	
	163000	(18400)	1.02	I	40100	(179000)				1.24	I	40100	(179000)	5	**6235DA**	841	
			1.40	II	46800	(208000)				1.69	III	46800	(208000)	5	**6245DA**	841	
			1.76	III	58000	(258000)				2.13	III	58000	(258000)	5	**6255DA**	841	C.F.
1.45	141000	(15900)	*	-	32600	(145000)	1.74	141000	(15900)	*	-	32600	(145000)	5	**6225DA**	1003	
	181000	(20500)	*	-	40100	(179000)		161000	(18200)	1.12	I	40100	(179000)	5	**6235DA**	1003	
	195000	(22000)	1.17	I	46800	(208000)				1.42	II	46800	(208000)	5	**6245DA**	1003	
			1.57	II	58000	(258000)				1.89	III	58000	(258000)	5	**6255DA**	1003	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

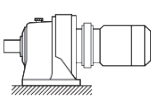
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

5 HP
3.7 kW



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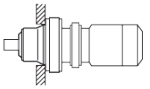

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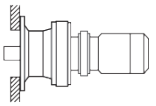


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
1.16	181000	*(20500)*	*	-	40100	*(179000)*	1.40	181000	*(20500)*	*	-	40100	*(179000)*	5	**6235DA**	1247	
	228000	*(25800)*	*	-	46800	*(208000)*		201000	*(22700)*	1.14	I	46800	*(208000)*	5	**6245DA**	1247	
	242000	*(27300)*	1.26	I	58000	*(258000)*				1.52	II	58000	*(258000)*	5	**6255DA**	1247	C.F.
0.980	200000	*(22600)*	*	-	46800	*(208000)*	1.18	200000	*(22600)*	*	-	46800	*(208000)*	5	**6245DA**	1479	
	287000	*(32400)*	0.96	-	58000	*(258000)*		238000	*(26900)*	1.15	I	58000	*(258000)*	5	**6255DA**	1479	C.F.
0.784	305000	*(34500)*	*	-	58000	*(258000)*	0.946	297000	*(33600)*	1.03	I	58000	*(258000)*	5	**6255DA**	1849	
0.702	305000	*(34500)*	*	-	58000	*(258000)*	0.847	305000	*(34500)*	*	-	58000	*(258000)*	5	**6255DA**	2065	C.F.
0.572	305000	*(34500)*	*	-	58000	*(258000)*	0.690	305000	*(34500)*	*	-	58000	*(258000)*	5	**6255DA**	2537	
0.476	274000	*(31000)*	*	-	58000	*(258000)*	0.575	274000	*(31000)*	*	-	58000	*(258000)*	5	**6255DA**	3045	C.F.
0.417	305000	*(34500)*	*	-	58000	*(258000)*	0.503	305000	*(34500)*	*	-	58000	*(258000)*	5	**6255DA**	3481	
0.327	274000	*(31000)*	*	-	58000	*(258000)*	0.394	274000	*(31000)*	*	-	58000	*(258000)*	5	**6255DA**	4437	
0.282	305000	*(34500)*	*	-	58000	*(258000)*	0.341	305000	*(34500)*	*	-	58000	*(258000)*	5	**6255DA**	5133	
0.235	274000	*(31000)*	*	-	58000	*(258000)*	0.283	274000	*(31000)*	*	-	58000	*(258000)*	5	**6255DA**	6177	
0.192	274000	*(31000)*	*	-	58000	*(258000)*	0.231	274000	*(31000)*	*	-	58000	*(258000)*	5	**6255DA**	7569	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

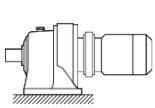
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

7.5 HP
5.5 kW



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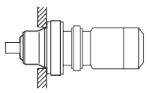

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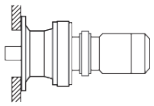


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
483	914	(103)	1.13	I	906	(4030)	583	757	(85.5)	1.06	I	863	(3840)	8	**6125**	3	
			1.71	II	1040	(4630)				1.71	II	985	(4380)	8	**6130**	3	
			2.05	III	1040	(4630)				2.05	III	985	(4380)	8	**6135**	3	
290	1520	(172)	1.13	I	1070	(4780)	350	1260	(143)	1.06	I	1020	(4550)	8	**6125**	5	
			1.71	II	1230	(5490)				1.71	II	1170	(5190)	8	**6130**	5	
			2.05	III	1230	(5490)				2.05	III	1170	(5190)	8	**6135**	5	
242	1830	(206)	1.27	I	1160	(5140)	292	1510	(171)	1.06	I	1090	(4850)	8	**6125**	6	
			1.71	III	1360	(6060)				1.71	III	1280	(5710)	8	**6130**	6	
			2.05	III	1360	(6060)				2.05	III	1280	(5710)	8	**6135**	6	
			2.37	III	2110	(9370)				2.37	III	1990	(8860)	8	**6140**	6	
			2.75	III	2110	(9370)				2.75	III	1990	(8860)	8	**6145**	6	
181	2440	(275)	1.26	I	1280	(5710)	219	2020	(228)	1.26	I	1210	(5400)	8	**6125**	8	
			1.71	III	1520	(6740)				1.71	III	1430	(6360)	8	**6130**	8	
			2.05	III	1520	(6740)				2.05	III	1430	(6360)	8	**6135**	8	
			2.37	III	2330	(10400)				2.37	III	2210	(9820)	8	**6140**	8	
			2.75	III	2330	(10400)				2.75	III	2210	(9820)	8	**6145**	8	
132	3350	(379)	1.08	I	1450	(6450)	159	2780	(314)	1.08	I	1370	(6100)	8	**6125**	11	
			1.71	III	1730	(7680)				1.71	III	1630	(7240)	8	**6130**	11	
			2.05	III	1730	(7680)				2.05	III	1630	(7240)	8	**6135**	11	
			2.37	III	2620	(11600)				2.37	III	2480	(11000)	8	**6140**	11	
			2.75	III	2620	(11600)				2.75	III	2480	(11000)	8	**6145**	11	
112	3960	(447)	1.08	I	1490	(6630)	135	3280	(371)	1.08	I	1410	(6280)	8	**6125**	13	
			1.71	III	1790	(7980)				1.71	III	1690	(7530)	8	**6130**	13	
			1.86	III	1790	(7980)				2.05	III	1690	(7530)	8	**6135**	13	
			2.37	III	2680	(11900)				2.37	III	2530	(11300)	8	**6140**	13	
			2.74	III	2680	(11900)				2.74	III	2530	(11300)	8	**6145**	13	
96.7	4570	(516)	1.08	I	1600	(7100)	117	3790	(428)	1.08	I	1510	(6730)	8	**6125**	15	
			1.42	II	1830	(8130)				1.42	II	1730	(7680)	8	**6130**	15	
			1.63	III	1830	(8130)				1.63	III	1730	(7680)	8	**6135**	15	
			2.18	III	2800	(12400)				2.18	III	2650	(11800)	8	**6140**	15	
			2.63	III	2800	(12400)				2.74	III	2650	(11800)	8	**6145**	15	
85.3	5180	(585)	1.03	I	1610	(7150)	103	4290	(485)	1.03	I	1520	(6780)	8	**6125**	17	
			1.32	II	1960	(8710)				1.32	II	1850	(8230)	8	**6130**	17	
			1.51	II	1960	(8710)				1.51	II	1850	(8230)	8	**6135**	17	
			1.83	III	2920	(13000)				1.83	III	2760	(12300)	8	**6140**	17	
			2.18	III	2920	(13000)				2.18	III	2760	(12300)	8	**6145**	17	
			2.37	III	3430	(15300)				2.37	III	3230	(14400)	8	**6160**	17	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

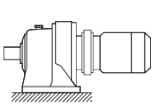
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

7.5 HP
5.5 kW



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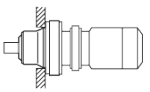

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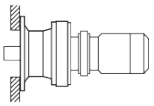


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz						Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
69.0	6400	(723)	0.87	-	1750	(7780)	83.3	5300	(599)	0.89	-	1660	(7390)	8	**6125**	21	
			1.08	I	2080	(9260)				1.12	I	1970	(8760)	8	**6130**	21	
			1.22	I	2080	(9260)				1.37	II	1970	(8760)	8	**6135**	21	
			1.58	II	3120	(13900)				1.58	II	2960	(13100)	8	**6140**	21	
			1.72	III	3120	(13900)				1.99	III	2960	(13100)	8	**6145**	21	
			2.35	III	3680	(16400)				2.35	III	3460	(15400)	8	**6160**	21	
			2.91	III	3680	(16400)				2.92	III	3460	(15400)	8	**6165**	21	
58.0	7610	(860)	1.05	I	2150	(9580)	70.0	6310	(713)	1.08	I	2040	(9070)	8	**6135**	25	
			1.25	I	3270	(14500)				1.25	I	3090	(13800)	8	**6140**	25	
			1.44	II	3270	(14500)				1.44	II	3090	(13800)	8	**6145**	25	
			1.79	III	3840	(17100)				1.79	III	3620	(16100)	8	**6160**	25	
			2.44	III	3840	(17100)				2.74	III	3620	(16100)	8	**6165**	25	
			2.83	III	4320	(19200)				2.87	III	4060	(18100)	8	**6170**	25	
50.0	8830	(998)	0.89	-	2250	(10000)	60.3	7320	(827)	1.03	I	2140	(9500)	8	**6135**	29	
			1.08	I	3340	(14800)				1.08	I	3160	(14100)	8	**6140**	29	
			1.37	II	3340	(14800)				1.37	II	3160	(14100)	8	**6145**	29	
			1.74	III	4000	(17800)				1.91	III	3770	(16800)	8	**6160**	29	
			2.08	III	4000	(17800)				2.08	III	3770	(16800)	8	**6165**	29	
			2.45	III	4550	(20200)				2.60	III	4290	(19100)	8	**6170**	29	
41.4	10700	(1200)	1.14	I	3560	(15900)	50.0	8830	(998)	1.37	II	3380	(15000)	8	**6145**	35	
			1.46	II	4230	(18800)				1.76	III	3990	(17800)	8	**6160**	35	
			1.74	III	4230	(18800)				2.08	III	3990	(17800)	8	**6165**	35	
			2.03	III	4820	(21400)				2.18	III	4540	(20200)	8	**6170**	35	
			2.62	III	4820	(21400)				2.74	III	4540	(20200)	8	**6175**	35	
33.7	13100	(1480)	0.85	-	3400	(15100)	40.7	10900	(1230)	0.98	-	3510	(15600)	8	**6145**	43	
			1.17	I	4510	(20000)				1.35	II	4250	(18900)	8	**6160**	43	
			1.42	II	4510	(20000)				1.44	II	4250	(18900)	8	**6165**	43	
			1.65	III	5120	(22800)				1.77	III	4830	(21500)	8	**6170**	43	
			2.05	III	5120	(22800)				2.05	III	4830	(21500)	8	**6175**	43	
			2.74	III	6940	(30900)				2.74	III	6540	(29100)	8	**6180**	43	C.F.
28.4	15500	(1760)	1.00	I	4670	(20800)	34.3	12900	(1450)	1.05	I	4410	(19600)	8	**6160**	51	
			1.20	I	4670	(20800)				1.37	II	4410	(19600)	8	**6165**	51	
			1.39	II	5330	(23700)				1.53	II	5030	(22400)	8	**6170**	51	
			1.79	III	5330	(23700)				2.05	III	5030	(22400)	8	**6175**	51	
			2.18	III	7180	(31900)				2.18	III	6760	(30100)	8	**6180**	51	
			2.74	III	7180	(31900)				2.74	III	6760	(30100)	8	**6185**	51	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

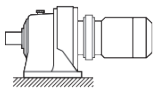
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

7.5 HP
5.5 kW



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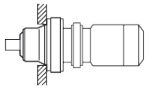

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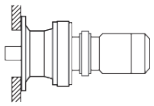


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
24.6	18000	(2030)	1.03	I	4960	(22100)	29.7	14900	(1680)	1.05	I	4890	(21700)	8	**6165**	59	
			1.20	I	5580	(24800)				1.30	II	5260	(23400)	8	**6170**	59	
			1.51	II	5580	(24800)				1.51	II	5260	(23400)	8	**6175**	59	
			1.77	III	7510	(33400)				1.77	III	7070	(31400)	8	**6180**	59	
			2.18	III	7510	(33400)				2.18	III	7070	(31400)	8	**6185**	59	
			2.78	III	10600	(47000)				2.78	III	9930	(44200)	8	**6190**	59	C.F.
20.4	21600	(2440)	0.86	-	4960	(22100)	24.6	17900	(2020)	1.03	I	4850	(21600)	8	**6165**	71	
			1.00	I	5880	(26200)				1.08	I	5550	(24700)	8	**6170**	71	
			1.27	I	5880	(26200)				1.30	II	5550	(24700)	8	**6175**	71	
			1.60	III	7970	(35500)				1.60	III	7510	(33400)	8	**6180**	71	
			1.78	III	7970	(35500)				1.78	III	7510	(33400)	8	**6185**	71	
			2.46	III	11200	(49800)				2.46	III	10500	(46900)	8	**6190**	71	C.F.
			2.84	III	11200	(49800)				2.84	III	10500	(46900)	8	**6195**	71	C.F.
16.7	26500	(2990)	1.02	I	6270	(27900)	20.1	22000	(2480)	1.02	I	5930	(26400)	8	**6175**	87	
			1.30	II	8560	(38100)				1.30	II	8070	(35900)	8	**6180**	87	
			1.56	II	8560	(38100)				1.56	II	8070	(35900)	8	**6185**	87	
			2.13	III	12100	(53600)				2.15	III	11300	(50500)	8	**6190**	87	C.F.
			2.48	III	12100	(53600)				2.48	III	11300	(50500)	8	**6195**	87	C.F.
13.9	18600	(2100)	*	-	4960	(22100)	16.8	18600	(2100)	*	-	4960	(22100)	8	**6165DC**	104	
	22400	(2530)	*	-	6630	(29500)		22400	(2530)	*	-	6440	(28600)	8	**6170DC**	104	
	27900	(3150)	*	-	6630	(29500)		24900	(2810)	1.12	I	6400	(28500)	8	**6175DC**	104	
	30000	(3390)	1.20	I	9100	(40500)				1.45	II	8580	(38200)	8	**6180DB**	104	
			1.45	II	9100	(40500)				1.74	III	8580	(38200)	8	**6185DB**	104	
			1.88	III	12800	(56800)				2.05	III	12000	(53500)	8	**6190DB**	104	
			2.05	III	12800	(56800)				2.05	III	12000	(53500)	8	**6195DB**	104	
12.0	22400	(2530)	*	-	6630	(29500)	14.5	22400	(2530)	*	-	6630	(29500)	8	**6170DC**	121	
	27900	(3150)	*	-	6630	(29500)		28900	(3270)	0.96	-	6630	(29500)	8	**6175DC**	121	
	34900	(3940)	1.03	I	9380	(41700)				1.24	I	9130	(40600)	8	**6180DB**	121	
			1.22	I	9380	(41700)				1.47	II	9130	(40600)	8	**6185DB**	121	
			1.62	III	13300	(59000)				1.95	III	12800	(57000)	8	**6190DB**	121	
			1.92	III	13300	(59000)				2.05	III	12800	(57000)	8	**6195DB**	121	
			2.05	III	18900	(84100)				2.05	III	18900	(84100)	8	**6205DB**	121	
			2.88	III	23400	(104000)				3.48	III	23100	(103000)	8	**6215DB**	121	
10.1	27900	(3150)	*	-	6630	(29500)	12.2	27900	(3150)	*	-	6630	(29500)	8	**6175DC**	143	
	41300	(4660)	1.05	I	9380	(41700)		34200	(3860)	1.27	I	9380	(41700)	8	**6185DB**	143	
			1.37	II	13300	(59000)				1.65	III	13300	(59000)	8	**6190DB**	143	
			1.64	III	13300	(59000)				1.97	III	13300	(59000)	8	**6195DB**	143	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

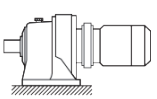
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

7.5 HP
5.5 kW



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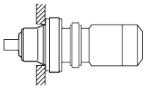

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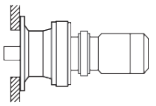


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
8.79	27900	(3150)	*	-	6630	(29500)	10.6	27900	(3150)	*	-	6630	(29500)	8	**6175DC**	165	
	35900	(4060)	*	-	9380	(41700)		35900	(4060)	*	-	9380	(41700)	8	**6180DB**	165	
	43600	(4920)	*	-	9380	(41700)		39400	(4460)	1.10	I	9380	(41700)	8	**6185DB**	165	
	47600	(5380)	1.19	I	13300	(59000)				1.43	II	13300	(59000)	8	**6190DB**	165	
			1.47	II	13300	(59000)				1.77	III	13300	(59000)	8	**6195DB**	165	
			1.72	III	18900	(84100)				2.05	III	18900	(84100)	8	**6205DB**	165	
			2.05	III	23400	(104000)				2.05	III	23400	(104000)	8	**6215DA**	165	
			2.26	III	23400	(104000)				2.73	III	23400	(104000)	8	**6215DB**	165	
			2.69	III	28000	(124000)				3.25	III	26500	(118000)	8	**6225DB**	165	
7.44	35900	(4060)	*	-	9380	(41700)	8.97	35900	(4060)	*	-	9380	(41700)	8	**6180DB**	195	
	43600	(4920)	*	-	9380	(41700)		43600	(4920)	*	-	9380	(41700)	8	**6185DB**	195	
	56300	(6360)	1.00	I	13200	(58900)		46600	(5270)	1.08	I	13300	(59000)	8	**6190DA**	195	
			1.00	I	13200	(58900)				1.21	I	13300	(59000)	8	**6190DB**	195	
			1.24	I	13200	(58900)				1.50	II	13300	(59000)	8	**6195DB**	195	
			1.46	II	18900	(84100)				1.76	III	18900	(84100)	8	**6205DB**	195	
			1.86	III	23400	(104000)				2.05	III	23400	(104000)	8	**6215DA**	195	
			1.91	III	23400	(104000)				2.31	III	23400	(104000)	8	**6215DB**	195	
			2.28	III	29400	(131000)				2.75	III	27800	(124000)	8	**6225DB**	195	C.F.
6.28	44300	(5000)	*	-	9380	(41700)	7.58	44300	(5000)	*	-	9380	(41700)	8	**6185DB**	231	
	66700	(7530)	1.06	I	13300	(59000)		55200	(6240)	1.08	I	13300	(59000)	8	**6195DA**	231	
			1.06	I	13300	(59000)				1.28	I	13300	(59000)	8	**6195DB**	231	
			1.23	I	18900	(84100)				1.49	II	18900	(84100)	8	**6205DB**	231	
			1.66	III	23400	(104000)				2.00	III	23400	(104000)	8	**6215DA**	231	
			1.97	III	31300	(139000)				2.05	III	29600	(132000)	8	**6225DA**	231	
			1.97	III	31300	(139000)				2.37	III	29600	(132000)	8	**6225DB**	231	C.F.
			2.51	III	39000	(173000)				3.03	III	36900	(164000)	8	**6235DA**	231	
5.31	44300	(5000)	*	-	9380	(41700)	6.41	44300	(5000)	*	-	9380	(41700)	8	**6185DB**	273	
	56500	(6380)	*	-	13300	(59000)		56500	(6380)	*	-	13300	(59000)	8	**6190DA**	273	
	70500	(7960)	*	-	13300	(59000)		65300	(7370)	1.08	I	13300	(59000)	8	**6195DA**	273	
	78800	(8900)	1.04	I	18900	(84100)				1.26	I	18900	(84100)	8	**6205DB**	273	
			1.40	II	23400	(104000)				1.70	III	23400	(104000)	8	**6215DA**	273	
			1.66	III	32600	(145000)				2.01	III	31100	(138000)	8	**6225DA**	273	
			2.12	III	40100	(179000)				2.56	III	38800	(172000)	8	**6235DA**	273	
			2.90	III	45500	(203000)				3.50	III	43100	(192000)	8	**6245DA**	273	

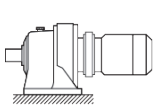
Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:
AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

7.5 HP
5.5 kW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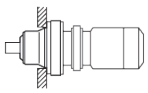
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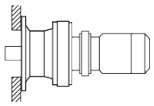
V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
4.55	56500	(6380)	*	-	13300	(59000)	5.49	56500	(6380)	*	-	13300	(59000)	8	**6190DA**	319	
	70500	(7960)	*	-	13300	(59000)		70500	(7960)	*	-	13300	(59000)	8	**6195DA**	319	
	81700	(9230)	*	-	18900	(84100)		76300	(8620)	1.07	I	18900	(84100)	8	**6205DB**	319	
	92000	(10400)	1.22	I	23400	(104000)				1.47	II	23400	(104000)	8	**6215DA**	319	
			1.45	II	32600	(145000)				1.75	III	32300	(143000)	8	**6225DA**	319	
			1.82	III	40100	(179000)				2.19	III	40100	(179000)	8	**6235DA**	319	
			2.48	III	46800	(208000)				2.99	III	44900	(200000)	8	**6245DA**	319	
3.85	70500	(7960)	*	-	13300	(59000)	4.64	70500	(7960)	*	-	13300	(59000)	8	**6195DA**	377	
	75700	(8550)	*	-	18900	(84100)		71100	(8030)	*	-	18900	(84100)	8	**6205DA**	377	
	109000	(12300)	1.03	I	23400	(104000)		90100	(10200)	1.24	I	23400	(104000)	8	**6215DA**	377	
			1.22	I	32600	(145000)				1.48	II	32600	(145000)	8	**6225DA**	377	
			1.54	II	40100	(179000)				1.86	III	40100	(179000)	8	**6235DA**	377	
			2.10	III	46800	(208000)				2.53	III	46800	(208000)	8	**6245DA**	377	
			2.64	III	58000	(258000)				3.19	III	58000	(258000)	8	**6255DA**	377	C.F.
3.07	112000	(12700)	*	-	23400	(104000)	3.70	113000	(12800)	0.99	-	23400	(104000)	8	**6215DA**	473	
	136000	(15400)	1.04	I	32600	(145000)				1.25	I	32600	(145000)	8	**6225DA**	473	
			1.33	II	40100	(179000)				1.60	III	40100	(179000)	8	**6235DA**	473	
			1.67	III	46800	(208000)				2.02	III	46800	(208000)	8	**6245DA**	473	
			2.24	III	58000	(258000)				2.70	III	58000	(258000)	8	**6255DA**	473	C.F.
			2.98	III	62000	(276000)				3.60	III	62000	(276000)	8	**6265DA**	473	C.F.
2.59	112000	(12700)	*	-	23400	(104000)	3.13	112000	(12700)	*	-	23400	(104000)	8	**6215DA**	559	
	142000	(16000)	*	-	32600	(145000)		134000	(15100)	1.06	I	32600	(145000)	8	**6225DA**	559	
	161000	(18200)	1.12	I	40100	(179000)				1.36	II	40100	(179000)	8	**6235DA**	559	
			1.42	II	46800	(208000)				1.71	III	46800	(208000)	8	**6245DA**	559	
			1.89	III	58000	(258000)				2.28	III	58000	(258000)	8	**6255DA**	559	C.F.
			2.52	III	62000	(276000)				3.05	III	62000	(276000)	8	**6265DA**	559	C.F.
2.23	112000	(12700)	*	-	23400	(104000)	2.70	112000	(12700)	*	-	23400	(104000)	8	**6215DA**	649	
	141000	(15900)	*	-	32600	(145000)		141000	(15900)	*	-	32600	(145000)	8	**6225DA**	649	
	187000	(21200)	0.97	-	40100	(179000)		155000	(17500)	1.17	I	40100	(179000)	8	**6235DA**	649	
			1.22	I	46800	(208000)				1.47	II	46800	(208000)	8	**6245DA**	649	
			1.63	III	58000	(258000)				1.97	III	58000	(258000)	8	**6255DA**	649	C.F.
			2.17	III	62000	(276000)				2.62	III	62000	(276000)	8	**6265DA**	649	C.F.
1.98	142000	(16000)	*	-	32600	(145000)	2.39	142000	(16000)	*	-	32600	(145000)	8	**6225DA**	731	
	181000	(20500)	*	-	40100	(179000)		175000	(19700)	1.04	I	40100	(179000)	8	**6235DA**	731	
	211000	(23800)	1.08	I	46800	(208000)				1.31	II	46800	(208000)	8	**6245DA**	731	
			1.45	II	58000	(258000)				1.75	III	58000	(258000)	8	**6255DA**	731	C.F.
			1.93	III	62000	(276000)				2.33	III	62000	(276000)	8	**6265DA**	731	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:

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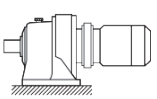
Selection Tables

7.5 HP
5.5 kW



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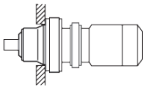

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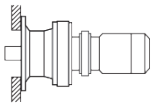

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
1.72	167000	*(18900)*	*	-	40100	*(179000)*	2.08	167000	*(18900)*	*	-	40100	*(179000)*	8	**6235DA**	841	
	228000	*(25800)*	*	-	46800	*(208000)*		201000	*(22700)*	1.14	I	46800	*(208000)*	8	**6245DA**	841	
	243000	*(27400)*	1.18	I	58000	*(258000)*				1.43	II	58000	*(258000)*	8	**6255DA**	841	
			1.68	III	62000	*(276000)*				2.02	III	62000	*(276000)*	8	**6265DA**	841	C.F.
1.45	181000	*(20500)*	*	-	40100	*(179000)*	1.74	181000	*(20500)*	*	-	40100	*(179000)*	8	**6235DA**	1003	
	228000	*(25800)*	*	-	46800	*(208000)*		228000	*(25800)*	*	-	46800	*(208000)*	8	**6245DA**	1003	
	289000	*(32700)*	1.06	I	58000	*(258000)*		240000	*(27100)*	1.27	I	58000	*(258000)*	8	**6255DA**	1003	C.F.
			1.41	II	62000	*(276000)*				1.70	III	62000	*(276000)*	8	**6265DA**	1003	C.F.
1.16	228000	*(25800)*	*	-	46800	*(208000)*	1.40	228000	*(25800)*	*	-	46800	*(208000)*	8	**6245DA**	1247	
	305000	*(34500)*	*	-	58000	*(258000)*		298000	*(33700)*	1.02	I	58000	*(258000)*	8	**6255DA**	1247	
	360000	*(40700)*	1.13	I	62000	*(276000)*				1.37	II	62000	*(276000)*	8	**6265DA**	1247	C.F.
0.980	274000	*(31000)*	*	-	58000	*(258000)*	1.18	274000	*(31000)*	*	-	58000	*(258000)*	8	**6255DA**	1479	C.F.
	390000	*(44000)*	*	-	62000	*(276000)*		354000	*(40000)*	1.10	I	62000	*(276000)*	8	**6265DA**	1479	C.F.
0.784	305000	*(34500)*	*	-	58000	*(258000)*	0.946	305000	*(34500)*	*	-	58000	*(258000)*	8	**6255DA**	1849	
	407000	*(46000)*	*	-	62000	*(276000)*		407000	*(46000)*	*	-	62000	*(276000)*	8	**6265DA**	1849	C.F.
0.702	407000	*(46000)*	*	-	62000	*(276000)*	0.847	407000	*(46000)*	*	-	62000	*(276000)*	8	**6265DA**	2065	C.F.
0.572	407000	*(46000)*	*	-	62000	*(276000)*	0.690	407000	*(46000)*	*	-	62000	*(276000)*	8	**6265DA**	2537	C.F.
0.476	390000	*(44000)*	*	-	62000	*(276000)*	0.575	390000	*(44000)*	*	-	62000	*(276000)*	8	**6265DA**	3045	C.F.
0.417	407000	*(46000)*	*	-	62000	*(276000)*	0.503	407000	*(46000)*	*	-	62000	*(276000)*	8	**6265DA**	3481	C.F.
0.327	390000	*(44000)*	*	-	62000	*(276000)*	0.394	390000	*(44000)*	*	-	62000	*(276000)*	8	**6265DA**	4437	C.F.
0.282	407000	*(46000)*	*	-	62000	*(276000)*	0.341	407000	*(46000)*	*	-	62000	*(276000)*	8	**6265DA**	5133	C.F.
0.235	390000	*(44000)*	*	-	62000	*(276000)*	0.283	390000	*(44000)*	*	-	62000	*(276000)*	8	**6265DA**	6177	C.F.
0.192	390000	*(44000)*	*	-	62000	*(276000)*	0.231	390000	*(44000)*	*	-	62000	*(276000)*	8	**6265DA**	7569	C.F.

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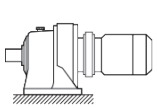
Selection Tables

10 HP
7.5 kW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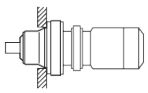
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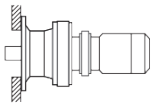
V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
483	1250	(141)	1.25	I	1040	(4630)	583	1030	(117)	1.25	I	985	(4380)	10	**6130**	3	
			1.51	II	1040	(4630)				1.51	II	985	(4380)	10	**6135**	3	
			1.73	II	1640	(7300)				1.73	II	1560	(6920)	10	**6140**	3	
			2.01	III	1640	(7300)				2.01	III	1560	(6920)	10	**6145**	3	
290	2080	(235)	1.25	I	1230	(5490)	350	1720	(194)	1.25	I	1170	(5190)	10	**6130**	5	
			1.51	II	1230	(5490)				1.51	II	1170	(5190)	10	**6135**	5	
			1.73	II	1950	(8660)				1.73	II	1850	(8210)	10	**6140**	5	
			2.01	III	1950	(8660)				2.01	III	1850	(8210)	10	**6145**	5	
242	2490	(282)	1.25	I	1340	(5980)	292	2060	(233)	1.25	I	1270	(5650)	10	**6130**	6	
			1.51	II	1340	(5980)				1.51	II	1270	(5650)	10	**6135**	6	
			1.74	III	2100	(9330)				1.74	III	1990	(8830)	10	**6140**	6	
			2.02	III	2100	(9330)				2.02	III	1990	(8830)	10	**6145**	6	
			2.71	III	2350	(10400)				2.71	III	2210	(9830)	10	**6160**	6	
181	3320	(375)	1.25	I	1500	(6650)	219	2750	(311)	1.25	I	1410	(6290)	10	**6130**	8	
			1.51	II	1500	(6650)				1.51	II	1410	(6290)	10	**6135**	8	
			1.74	III	2320	(10300)				1.74	III	2200	(9790)	10	**6140**	8	
			2.02	III	2320	(10300)				2.02	III	2200	(9790)	10	**6145**	8	
			2.63	III	2630	(11700)				2.63	III	2480	(11000)	10	**6160**	8	
132	4570	(516)	1.25	I	1700	(7570)	159	3790	(428)	1.25	I	1610	(7150)	10	**6130**	11	
			1.51	II	1700	(7570)				1.51	II	1610	(7150)	10	**6135**	11	
			1.74	III	2610	(11600)				1.74	III	2470	(11000)	10	**6140**	11	
			2.02	III	2610	(11600)				2.02	III	2470	(11000)	10	**6145**	11	
			2.63	III	2970	(13200)				2.63	III	2800	(12500)	10	**6160**	11	
112	5400	(610)	1.25	I	1770	(7860)	135	4470	(505)	1.25	I	1670	(7430)	10	**6130**	13	
			1.36	II	1770	(7860)				1.51	II	1670	(7430)	10	**6135**	13	
			1.74	III	2660	(11800)				1.74	III	2520	(11200)	10	**6140**	13	
			2.01	III	2660	(11800)				2.01	III	2520	(11200)	10	**6145**	13	
			2.63	III	3110	(13800)				2.63	III	2930	(13000)	10	**6160**	13	
96.7	6230	(704)	1.04	I	1800	(8000)	117	5160	(583)	1.04	I	1700	(7570)	10	**6130**	15	
			1.20	I	1800	(8000)				1.20	I	1700	(7570)	10	**6135**	15	
			1.60	III	2780	(12400)				1.60	III	2640	(11700)	10	**6140**	15	
			1.93	III	2780	(12400)				2.01	III	2640	(11700)	10	**6145**	15	
			2.49	III	3290	(14700)				2.50	III	3100	(13800)	10	**6160**	15	
			2.98	III	3290	(14700)				3.01	III	3100	(13800)	10	**6165**	15	

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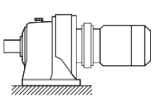
Selection Tables

10 HP
7.5 kW



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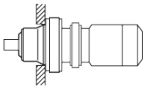

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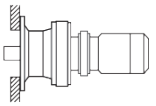


V

Dimension Pages:
Foot Mount (H) 2.100 - 2.129
V-Flange Mount (V) 2.130 - 2.159
F-Flange Mount (F) 2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
85.3	7060	*(798)*	1.11	I	1920	*(8550)*	103	5850	*(661)*	1.11	I	1820	*(8100)*	10	**6135**	17	
			1.34	II	2900	*(12900)*				1.34	II	2750	*(12200)*	10	**6140**	17	
			1.60	III	2900	*(12900)*				1.60	III	2750	*(12200)*	10	**6145**	17	
			1.74	III	3400	*(15100)*				1.74	III	3210	*(14300)*	10	**6160**	17	
			2.51	III	3400	*(15100)*				2.51	III	3210	*(14300)*	10	**6165**	17	
			2.62	III	3850	*(17100)*				2.62	III	3620	*(16100)*	10	**6170**	17	
69.0	8720	*(985)*	0.90	-	2030	*(9050)*	83.3	7230	*(817)*	1.00	I	1930	*(8590)*	10	**6135**	21	
			1.16	I	3100	*(13800)*				1.16	I	2940	*(13100)*	10	**6140**	21	
			1.26	I	3100	*(13800)*				1.46	II	2940	*(13100)*	10	**6145**	21	
			1.72	III	3640	*(16200)*				1.72	III	3430	*(15300)*	10	**6160**	21	
			2.13	III	3640	*(16200)*				2.14	III	3430	*(15300)*	10	**6165**	21	
			2.48	III	4140	*(18400)*				2.60	III	3900	*(17400)*	10	**6170**	21	
58.0	10400	*(1170)*	1.05	I	3240	*(14400)*	70.0	8600	*(972)*	1.05	I	3070	*(13700)*	10	**6145**	25	
			1.32	II	3800	*(16900)*				1.32	II	3590	*(15900)*	10	**6160**	25	
			1.79	III	3800	*(16900)*				2.01	III	3590	*(15900)*	10	**6165**	25	
			2.08	III	4280	*(19100)*				2.11	III	4040	*(18000)*	10	**6170**	25	
			2.60	III	4280	*(19100)*				2.60	III	4040	*(18000)*	10	**6175**	25	
50.0	12000	*(1360)*	1.00	I	3310	*(14700)*	60.3	9980	*(1130)*	1.00	I	3140	*(14000)*	10	**6145**	29	
			1.27	I	3950	*(17600)*				1.40	II	3730	*(16600)*	10	**6160**	29	
			1.52	II	3950	*(17600)*				1.52	II	3730	*(16600)*	10	**6165**	29	
			1.79	III	4510	*(20100)*				1.91	III	4260	*(18900)*	10	**6170**	29	
			2.31	III	4510	*(20100)*				2.51	III	4260	*(18900)*	10	**6175**	29	
			2.60	III	6040	*(26800)*				2.60	III	5680	*(25300)*	10	**6180**	29	
41.4	14500	*(1640)*	0.83	-	3260	*(14500)*	50.0	12000	*(1360)*	1.00	I	3350	*(14900)*	10	**6145**	35	
			1.07	I	4170	*(18600)*				1.29	I	3940	*(17500)*	10	**6160**	35	
			1.28	I	4170	*(18600)*				1.52	II	3940	*(17500)*	10	**6165**	35	
			1.49	II	4770	*(21200)*				1.60	III	4500	*(20000)*	10	**6170**	35	
			1.92	III	4770	*(21200)*				2.01	III	4500	*(20000)*	10	**6175**	35	
			2.47	III	6440	*(28600)*				2.51	III	6060	*(26900)*	10	**6180**	35	C.F.
33.7	17900	*(2020)*	1.04	I	4430	*(19700)*	40.7	14800	*(1670)*	1.05	I	4190	*(18600)*	10	**6165**	43	
			1.21	I	5070	*(22500)*				1.30	II	4780	*(21300)*	10	**6170**	43	
			1.51	II	5070	*(22500)*				1.51	II	4780	*(21300)*	10	**6175**	43	
			2.01	III	6900	*(30700)*				2.01	III	6500	*(28900)*	10	**6180**	43	
			2.48	III	6900	*(30700)*				2.51	III	6500	*(28900)*	10	**6185**	43	
			2.79	III	9630	*(42800)*				2.79	III	9060	*(40300)*	10	**6190**	43	C.F.

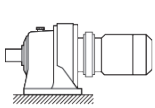
Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:
AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

10 HP
7.5 kW



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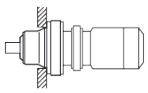

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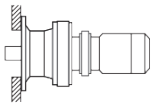


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
28.4	21200	(2390)	0.88	-	4580	(20400)	34.3	17600	(1980)	1.00	I	4340	(19300)	10	**6165**	51	
			1.02	I	5260	(23400)				1.12	I	4970	(22100)	10	**6170**	51	
			1.32	II	5260	(23400)				1.51	II	4970	(22100)	10	**6175**	51	
			1.60	III	7130	(31700)				1.60	III	6720	(29900)	10	**6180**	51	
			2.01	III	7130	(31700)				2.01	III	6720	(29900)	10	**6185**	51	
			2.42	III	10100	(44800)				2.42	III	9470	(42100)	10	**6190**	51	C.F.
			2.79	III	10100	(44800)				2.79	III	9470	(42100)	10	**6195**	51	C.F.
24.6	24500	(2770)	1.11	I	5500	(24400)	29.7	20300	(2290)	1.11	I	5200	(23100)	10	**6175**	59	
			1.30	II	7450	(33100)				1.30	II	7020	(31200)	10	**6180**	59	
			1.60	III	7450	(33100)				1.60	III	7020	(31200)	10	**6185**	59	
			2.04	III	10500	(46800)				2.04	III	9900	(44000)	10	**6190**	59	C.F.
			2.51	III	10500	(46800)				2.51	III	9900	(44000)	10	**6195**	59	C.F.
20.4	29500	(3330)	0.93	-	5780	(25700)	24.6	24400	(2760)	0.95	-	5470	(24300)	10	**6175**	71	
			1.17	I	7900	(35100)				1.17	I	7450	(33100)	10	**6180**	71	
			1.31	II	7900	(35100)				1.31	II	7450	(33100)	10	**6185**	71	
			1.80	III	11100	(49600)				1.80	III	10500	(46700)	10	**6190**	71	C.F.
			2.08	III	11100	(49600)				2.08	III	10500	(46700)	10	**6195**	71	C.F.
16.7	36100	(4080)	1.15	I	8470	(37700)	20.1	29900	(3380)	1.15	I	7990	(35600)	10	**6185**	87	
			1.56	II	12000	(53300)				1.57	II	11300	(50200)	10	**6190**	87	C.F.
			1.82	III	12000	(53300)				1.82	III	11300	(50200)	10	**6195**	87	C.F.
13.9	40900	(4620)	1.06	I	8990	(40000)	16.8	33900	(3830)	1.28	I	8490	(37800)	10	**6185DB**	104	
			1.38	II	12700	(56400)				1.51	II	12000	(53200)	10	**6190DB**	104	
			1.51	II	12700	(56400)				1.51	II	12000	(53200)	10	**6195DB**	104	
12.0	35900	(4060)	*	-	9380	(41700)	14.5	35900	(4060)	*	-	9050	(40300)	10	**6180DB**	121	
	42500	(4810)	*	-	9380	(41700)		39400	(4460)	1.08	I	9020	(40100)	10	**6185DB**	121	
	47600	(5380)	1.19	I	13300	(59000)				1.43	II	12700	(56600)	10	**6190DB**	121	
			1.41	II	13300	(59000)				1.51	II	12700	(56600)	10	**6195DB**	121	
			1.51	II	18900	(84100)				1.51	II	18900	(84100)	10	**6205DB**	121	
			2.12	III	23400	(104000)				2.55	III	23000	(102000)	10	**6215DB**	121	
			2.50	III	25800	(115000)				3.02	III	24400	(109000)	10	**6225DB**	121	C.F.
10.1	35900	(4060)	*	-	9380	(41700)	12.2	35900	(4060)	*	-	9380	(41700)	10	**6180DB**	143	
	43400	(4900)	*	-	9380	(41700)		43400	(4900)	*	-	9380	(41700)	10	**6185DB**	143	
	56300	(6360)	1.00	I	13200	(58700)		46600	(5270)	1.21	I	13200	(58800)	10	**6190DB**	143	
			1.20	I	13200	(58700)				1.45	II	13200	(58800)	10	**6195DB**	143	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

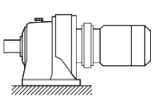
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

10 HP
7.5 kW



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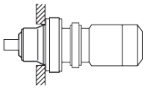

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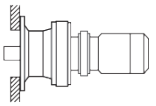

V

Dimension Pages:
Foot Mount (H) 2.100 - 2.129
V-Flange Mount (V) 2.130 - 2.159
F-Flange Mount (F) 2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
8.79	43600	(4920)	*	-	9380	(41700)	10.6	43600	(4920)	*	-	9380	(41700)	10	**6185DB**	165	
	64900	(7340)	1.08	I	13200	(58500)		53800	(6080)	1.30	II	13300	(59000)	10	**6195DB**	165	
			1.26	I	18900	(84100)				1.51	II	18900	(84100)	10	**6205DB**	165	
			1.51	II	23400	(104000)				1.51	II	23400	(104000)	10	**6215DA**	165	
			1.66	III	23400	(104000)				2.00	III	23400	(104000)	10	**6215DB**	165	
			1.97	III	27900	(124000)				2.38	III	26400	(117000)	10	**6225DB**	165	C.F.
			2.67	III	34600	(154000)				3.21	III	32700	(146000)	10	**6235DA**	165	
7.44	56500	(6380)	*	-	13200	(58900)	8.97	56500	(6380)	*	-	13200	(58900)	10	**6190DB**	195	
	70000	(7910)	*	-	13100	(58300)		63600	(7180)	1.10	I	13200	(58600)	10	**6195DB**	195	
	76700	(8670)	1.07	I	18900	(84100)				1.29	I	18900	(84100)	10	**6205DB**	195	
			1.36	II	23400	(104000)				1.51	II	23400	(104000)	10	**6215DA**	195	
			1.40	II	23400	(104000)				1.69	III	23400	(104000)	10	**6215DB**	195	
			1.67	III	29300	(130000)				2.02	III	27700	(123000)	10	**6225DB**	195	C.F.
			2.26	III	36300	(162000)				2.73	III	34400	(153000)	10	**6235DA**	195	
6.28	56500	(6380)	*	-	13300	(59000)	7.58	56500	(6380)	*	-	13300	(59000)	10	**6190DB**	231	
	70500	(7960)	*	-	13300	(59000)		70500	(7960)	*	-	13300	(59000)	10	**6195DB**	231	
	82100	(9270)	*	-	18900	(84100)		75300	(8510)	1.09	I	18900	(84100)	10	**6205DB**	231	
	90900	(10300)	1.22	I	23400	(104000)				1.47	II	23400	(104000)	10	**6215DA**	231	
			1.44	II	31100	(138000)				1.51	II	29500	(131000)	10	**6225DA**	231	
			1.44	II	31100	(138000)				1.74	III	29500	(131000)	10	**6225DB**	231	C.F.
			1.84	III	38900	(173000)				2.22	III	36800	(164000)	10	**6235DA**	231	
			2.51	III	43200	(192000)				3.03	III	40900	(182000)	10	**6245DA**	231	
5.31	70500	(7960)	*	-	13300	(59000)	6.41	70500	(7960)	*	-	13300	(59000)	10	**6195DB**	273	
	82100	(9270)	*	-	18900	(84100)		82100	(9270)	*	-	18900	(84100)	10	**6205DB**	273	
	107000	(12100)	1.03	I	23400	(104000)		89000	(10100)	1.24	I	23400	(104000)	10	**6215DA**	273	
			1.22	I	32600	(145000)				1.47	II	30900	(138000)	10	**6225DA**	273	
			1.56	II	40100	(179000)				1.88	III	38600	(172000)	10	**6235DA**	273	
			2.13	III	45400	(202000)				2.57	III	43000	(191000)	10	**6245DA**	273	
			2.55	III	55300	(246000)				3.08	III	52300	(233000)	10	**6255DA**	273	C.F.
4.55	112000	(12700)	*	-	23400	(104000)	5.49	104000	(11800)	1.08	I	23400	(104000)	10	**6215DA**	319	
	126000	(14200)	1.06	I	32600	(145000)				1.28	I	32100	(143000)	10	**6225DA**	319	
			1.33	II	40100	(179000)				1.61	III	40100	(179000)	10	**6235DA**	319	
			1.82	III	46800	(208000)				2.20	III	44800	(199000)	10	**6245DA**	319	
			2.29	III	58000	(258000)				2.76	III	55100	(245000)	10	**6255DA**	319	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

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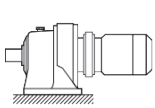
[2] Variable Frequency Drive Availability:
AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

10 HP
7.5 kW



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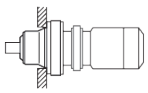

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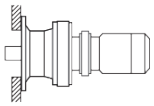


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
3.85	112000	(12700)	*	-	23400	(104000)	4.64	112000	(12700)	*	-	23400	(104000)	10	**6215DA**	377	
	133000	(15000)	*	-	32600	(145000)		123000	(13900)	1.08	I	32600	(145000)	10	**6225DA**	377	
	148000	(16800)	1.13	I	40100	(179000)				1.36	II	40100	(179000)	10	**6235DA**	377	
			1.54	II	46800	(208000)				1.86	III	46800	(208000)	10	**6245DA**	377	
			1.94	III	58000	(258000)				2.34	III	57900	(257000)	10	**6255DA**	377	C.F.
			2.74	III	62000	(276000)				3.31	III	62000	(276000)	10	**6265DA**	377	C.F.
3.07	142000	(16000)	*	-	32600	(145000)	3.70	142000	(16000)	*	-	32600	(145000)	10	**6225DA**	473	
	186000	(21000)	0.97	-	40100	(179000)		154000	(17400)	1.18	I	40100	(179000)	10	**6235DA**	473	
			1.23	I	46800	(208000)				1.48	II	46800	(208000)	10	**6245DA**	473	
			1.64	III	58000	(258000)				1.98	III	58000	(258000)	10	**6255DA**	473	C.F.
			2.19	III	62000	(276000)				2.64	III	62000	(276000)	10	**6265DA**	473	C.F.
2.59	142000	(16000)	*	-	32600	(145000)	3.13	142000	(16000)	*	-	32600	(145000)	10	**6225DA**	559	
	181000	(20500)	*	-	40100	(179000)		182000	(20600)	1.00	I	40100	(179000)	10	**6235DA**	559	
	220000	(24900)	1.04	I	46800	(208000)				1.25	I	46800	(208000)	10	**6245DA**	559	
			1.39	II	58000	(258000)				1.68	III	58000	(258000)	10	**6255DA**	559	C.F.
			1.85	III	62000	(276000)				2.23	III	62000	(276000)	10	**6265DA**	559	C.F.
			2.74	III	55700	(248000)				3.31	III	55700	(248000)	10	**6275DA**	559	C.F.
2.23	181000	(20500)	*	-	40100	(179000)	2.70	181000	(20500)	*	-	40100	(179000)	10	**6235DA**	649	
	228000	(25800)	*	-	46800	(208000)		212000	(23900)	1.08	I	46800	(208000)	10	**6245DA**	649	
	255000	(28900)	1.20	I	58000	(258000)				1.44	II	58000	(258000)	10	**6255DA**	649	C.F.
			1.59	II	62000	(276000)				1.92	III	62000	(276000)	10	**6265DA**	649	C.F.
			2.36	III	55700	(248000)				2.85	III	55700	(248000)	10	**6275DA**	649	C.F.
1.98	181000	(20500)	*	-	40100	(179000)	2.39	181000	(20500)	*	-	40100	(179000)	10	**6235DA**	731	
	228000	(25800)	*	-	46800	(208000)		228000	(25800)	*	-	46800	(208000)	10	**6245DA**	731	
	288000	(32500)	1.06	I	58000	(258000)		238000	(26900)	1.28	I	58000	(258000)	10	**6255DA**	731	
			1.42	II	62000	(276000)				1.71	III	62000	(276000)	10	**6265DA**	731	C.F.
			2.10	III	55700	(248000)				2.53	III	55700	(248000)	10	**6275DA**	731	C.F.
1.72	228000	(25800)	*	-	46800	(208000)	2.08	228000	(25800)	*	-	46800	(208000)	10	**6245DA**	841	
	287000	(32500)	*	-	58000	(258000)		274000	(31000)	1.05	I	58000	(258000)	10	**6255DA**	841	
	331000	(37400)	1.23	I	62000	(276000)				1.48	II	62000	(276000)	10	**6265DA**	841	C.F.
			1.82	III	55700	(248000)				2.20	III	55700	(248000)	10	**6275DA**	841	C.F.
1.45	305000	(34500)	*	-	58000	(258000)	1.74	305000	(34500)	*	-	58000	(258000)	10	**6255DA**	1003	
	395000	(44600)	1.03	I	62000	(276000)		327000	(36900)	1.25	I	62000	(276000)	10	**6265DA**	1003	C.F.
			1.53	II	55700	(248000)				1.85	III	55700	(248000)	10	**6275DA**	1003	C.F.
1.16	305000	(34500)	*	-	58000	(258000)	1.40	305000	(34500)	*	-	58000	(258000)	10	**6255DA**	1247	
	407000	(46000)	*	-	62000	(276000)		407000	(45900)	1.00	I	62000	(276000)	10	**6265DA**	1247	C.F.
	491000	(55400)	1.23	I	55700	(248000)				1.48	II	55700	(248000)	10	**6275DA**	1247	C.F.
0.980	390000	(44000)	*	-	62000	(276000)	1.18	390000	(44000)	*	-	62000	(276000)	10	**6265DA**	1479	C.F.
	582000	(65800)	1.04	I	55500	(247000)		482000	(54500)	1.25	I	55700	(248000)	10	**6275DA**	1479	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

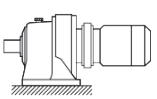
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

10 HP
7.5 kW



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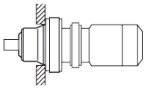

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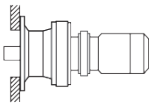

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
0.784	604000	*(68200)*	*	-	55700	*(248000)*	0.946	603000	*(68100)*	1.00	I	55700	*(248000)*	10	**6275DA**	1849	C.F.
0.702	604000	*(68200)*	*	-	55700	*(248000)*	0.847	604000	*(68200)*	*	-	55700	*(248000)*	10	**6275DA**	2065	C.F.
0.572	604000	*(68200)*	*	-	55700	*(248000)*	0.690	604000	*(68200)*	*	-	55700	*(248000)*	10	**6275DA**	2537	C.F.
0.476	604000	*(68200)*	*	-	55100	*(245000)*	0.575	604000	*(68200)*	*	-	55100	*(245000)*	10	**6275DA**	3045	C.F.
0.417	604000	*(68200)*	*	-	55700	*(248000)*	0.503	604000	*(68200)*	*	-	55700	*(248000)*	10	**6275DA**	3481	C.F.
0.327	604000	*(68200)*	*	-	55100	*(245000)*	0.394	604000	*(68200)*	*	-	55100	*(245000)*	10	**6275DA**	4437	C.F.
0.282	604000	*(68200)*	*	-	55100	*(245000)*	0.341	604000	*(68200)*	*	-	55100	*(245000)*	10	**6275DA**	5133	C.F.
0.235	604000	*(68200)*	*	-	55100	*(245000)*	0.283	604000	*(68200)*	*	-	55100	*(245000)*	10	**6275DA**	6177	C.F.
0.192	604000	*(68200)*	*	-	55100	*(245000)*	0.231	604000	*(68200)*	*	-	55100	*(245000)*	10	**6275DA**	7569	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

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[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

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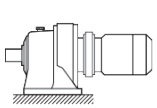
Selection Tables

15 HP
11 kW



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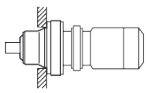

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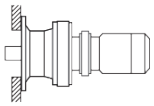

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
483	1830	(206)	1.03	I	1040	(4630)	583	1510	(171)	1.03	I	985	(4380)	15	**6135**	3	
			1.28	I	1640	(7300)				1.37	I	1560	(6920)	15	**6145**	3	
			1.85	II	1780	(7930)				1.85	II	1690	(7510)	15	**6160**	3	
			2.13	III	1780	(7930)				2.19	III	1690	(7510)	15	**6165**	3	
290	3050	(344)	1.03	I	1230	(5490)	350	2520	(285)	1.03	I	1170	(5190)	15	**6135**	5	
			1.37	I	1950	(8660)				1.37	I	1850	(8210)	15	**6145**	5	
			1.85	II	2110	(9400)				1.85	II	2000	(8900)	15	**6160**	5	
			2.13	III	2110	(9400)				2.19	III	2000	(8900)	15	**6165**	5	
242	3650	(413)	1.03	I	1310	(5840)	292	3030	(342)	1.03	I	1240	(5540)	15	**6135**	6	
			1.18	I	2080	(9270)				1.18	I	1970	(8780)	15	**6140**	6	
			1.38	II	2080	(9270)				1.38	II	1970	(8780)	15	**6145**	6	
			1.84	III	2330	(10400)				1.84	III	2190	(9760)	15	**6160**	6	
			2.19	III	2330	(10400)				2.19	III	2190	(9760)	15	**6165**	6	
			2.51	III	2630	(11700)				2.51	III	2470	(11000)	15	**6170**	6	C.F.
			2.74	III	2630	(11700)				2.74	III	2470	(11000)	15	**6175**	6	C.F.
181	4870	(551)	1.03	I	1460	(6480)	219	4040	(456)	1.03	I	1380	(6150)	15	**6135**	8	
			1.18	I	2310	(10300)				1.18	I	2190	(9730)	15	**6140**	8	
			1.38	II	2310	(10300)				1.38	II	2190	(9730)	15	**6145**	8	
			1.79	III	2600	(11600)				1.79	III	2450	(10900)	15	**6160**	8	
			2.19	III	2600	(11600)				2.19	III	2450	(10900)	15	**6165**	8	
			2.51	III	2900	(12900)				2.51	III	2730	(12200)	15	**6170**	8	C.F.
			2.74	III	2900	(12900)				2.74	III	2730	(12200)	15	**6175**	8	C.F.
132	6700	(757)	1.03	I	1650	(7360)	159	5550	(627)	1.03	I	1570	(6980)	15	**6135**	11	
			1.18	I	2590	(11500)				1.18	I	2450	(10900)	15	**6140**	11	
			1.38	II	2590	(11500)				1.38	II	2450	(10900)	15	**6145**	11	
			1.79	III	2940	(13100)				1.79	III	2770	(12300)	15	**6160**	11	
			2.19	III	2940	(13100)				2.19	III	2770	(12300)	15	**6165**	11	
			2.51	III	3350	(14900)				2.51	III	3150	(14000)	15	**6170**	11	C.F.
			2.74	III	3350	(14900)				2.74	III	3150	(14000)	15	**6175**	11	C.F.
112	7920	(895)	0.93	-	1710	(7630)	135	6560	(741)	1.03	I	1630	(7250)	15	**6135**	13	
			1.18	I	2640	(11700)				1.18	I	2500	(11100)	15	**6140**	13	
			1.37	II	2640	(11700)				1.37	II	2500	(11100)	15	**6145**	13	
			1.79	III	3080	(13700)				1.79	III	2900	(12900)	15	**6160**	13	
			2.05	III	3080	(13700)				2.05	III	2900	(12900)	15	**6165**	13	
			2.48	III	3480	(15500)				2.48	III	3280	(14600)	15	**6170**	13	C.F.
			2.74	III	3480	(15500)				2.74	III	3280	(14600)	15	**6175**	13	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

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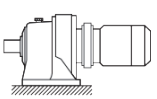
Selection Tables

15 HP
11 kW



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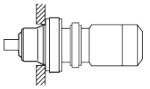

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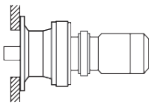

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
96.7	9140	(1030)	0.82	-	1740	(7740)	117	7570	(855)	0.82	-	1650	(7360)	15	**6135**	15	
			1.09	I	2760	(12300)				1.09	I	2610	(11600)	15	**6140**	15	
			1.32	II	2760	(12300)				1.37	II	2610	(11600)	15	**6145**	15	
			1.70	III	3250	(14500)				1.70	III	3070	(13600)	15	**6160**	15	
			2.03	III	3250	(14500)				2.05	III	3070	(13600)	15	**6165**	15	
			2.32	III	3660	(16300)				2.32	III	3450	(15400)	15	**6170**	15	
			2.73	III	3660	(16300)				2.74	III	3450	(15400)	15	**6175**	15	
			2.94	III	4880	(21700)				2.94	III	4600	(20400)	15	**6180**	15	C.F.
85.3	10400	(1170)	1.09	I	2880	(12800)	103	8580	(969)	1.09	I	2730	(12100)	15	**6145**	17	
			1.19	I	3350	(14900)				1.19	I	3160	(14100)	15	**6160**	17	
			1.71	III	3350	(14900)				1.71	III	3160	(14100)	15	**6165**	17	
			1.79	III	3800	(16900)				1.79	III	3590	(16000)	15	**6170**	17	
			2.19	III	3800	(16900)				2.19	III	3590	(16000)	15	**6175**	17	
			2.78	III	5150	(22900)				2.78	III	4850	(21600)	15	**6180**	17	C.F.
69.0	12800	(1450)	0.86	-	3060	(13600)	83.3	10600	(1200)	1.00	I	2910	(12900)	15	**6145**	21	
			1.17	I	3580	(15900)				1.17	I	3380	(15000)	15	**6160**	21	
			1.45	II	3580	(15900)				1.46	II	3380	(15000)	15	**6165**	21	
			1.69	III	4090	(18200)				1.77	III	3860	(17200)	15	**6170**	21	
			2.14	III	4090	(18200)				2.19	III	3860	(17200)	15	**6175**	21	
			2.73	III	5510	(24500)				2.73	III	5190	(23100)	15	**6180**	21	C.F.
58.0	15200	(1720)	1.22	I	3730	(16600)	70.0	12600	(1430)	1.37	II	3530	(15700)	15	**6165**	25	
			1.42	II	4230	(18800)				1.44	II	3990	(17800)	15	**6170**	25	
			1.77	III	4230	(18800)				1.77	III	3990	(17800)	15	**6175**	25	
			2.19	III	5730	(25500)				2.19	III	5390	(24000)	15	**6180**	25	
			2.74	III	5730	(25500)				2.74	III	5390	(24000)	15	**6185**	25	
50.0	17700	(2000)	1.04	I	3860	(17200)	60.3	14600	(1650)	1.04	I	3660	(16300)	15	**6165**	29	
			1.22	I	4440	(19800)				1.30	II	4200	(18700)	15	**6170**	29	
			1.58	II	4440	(19800)				1.71	III	4200	(18700)	15	**6175**	29	
			1.77	III	5990	(26600)				1.77	III	5640	(25100)	15	**6180**	29	
			2.19	III	5990	(26600)				2.19	III	5640	(25100)	15	**6185**	29	
			2.79	III	8440	(37500)				2.79	III	7940	(35300)	15	**6190**	29	C.F.
41.4	21300	(2410)	0.87	-	4060	(18100)	50.0	17700	(2000)	1.04	I	3860	(17100)	15	**6165**	35	
			1.01	I	4690	(20900)				1.09	I	4430	(19700)	15	**6170**	35	
			1.31	II	4690	(20900)				1.37	II	4430	(19700)	15	**6175**	35	
			1.68	III	6380	(28400)				1.71	III	6010	(26700)	15	**6180**	35	
			2.05	III	6380	(28400)				2.05	III	6010	(26700)	15	**6185**	35	
			2.21	III	8910	(39600)				2.21	III	8380	(37300)	15	**6190**	35	C.F.
			2.74	III	8910	(39600)				2.74	III	8380	(37300)	15	**6195**	35	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

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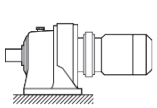
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

15 HP
11 kW



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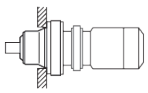

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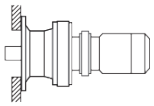


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
33.7	26200	(2960)	1.03	I	4960	(22100)	40.7	21700	(2450)	1.03	I	4700	(20900)	15	**6175**	43	
			1.37	II	6820	(30300)				1.37	II	6430	(28600)	15	**6180**	43	
			1.69	III	6820	(30300)				1.71	III	6430	(28600)	15	**6185**	43	
			1.90	III	9580	(42600)				1.90	III	9010	(40100)	15	**6190**	43	
			2.47	III	9580	(42600)				2.74	III	9010	(40100)	15	**6195**	43	
			2.89	III	17500	(77700)				2.89	III	16500	(73500)	15	**6205**	43	C.F.
28.4	31100	(3510)	0.90	-	5140	(22900)	34.3	25700	(2910)	1.03	I	4870	(21700)	15	**6175**	51	
			1.09	I	7050	(31300)				1.09	I	6650	(29600)	15	**6180**	51	
			1.37	II	7050	(31300)				1.37	II	6650	(29600)	15	**6185**	51	
			1.65	III	9990	(44400)				1.65	III	9410	(41900)	15	**6190**	51	
			1.90	III	9990	(44400)				1.90	III	9410	(41900)	15	**6195**	51	
24.6	35900	(4060)	1.09	I	7350	(32700)	29.7	29800	(3360)	1.09	I	6940	(30900)	15	**6185**	59	
			1.39	II	10400	(46400)				1.39	II	9830	(43700)	15	**6190**	59	
			1.71	III	10400	(46400)				1.71	III	9830	(43700)	15	**6195**	59	
			2.05	III	18900	(84100)				2.05	III	18000	(79900)	15	**6205**	59	C.F.
20.4	43300	(4890)	0.89	-	7770	(34500)	24.6	35800	(4050)	0.89	-	7340	(32700)	15	**6185**	71	
			1.23	I	11000	(49100)				1.23	I	10400	(46300)	15	**6190**	71	
			1.42	II	11000	(49100)				1.42	II	10400	(46300)	15	**6195**	71	
16.7	53000	(5990)	1.07	I	11900	(52700)	20.1	43900	(4960)	1.07	I	11200	(49700)	15	**6190**	87	
			1.24	I	11900	(52700)				1.24	I	11200	(49700)	15	**6195**	87	
			1.45	II	18900	(84100)				1.45	II	18900	(84100)	15	**6205**	87	C.F.
			1.79	III	21700	(96600)				1.95	III	20600	(91500)	15	**6215**	87	C.F.
13.9	35900	(4060)	*	-	9040	(40200)	16.8	35900	(4060)	*	-	8470	(37700)	15	**6180DB**	104	
	43400	(4900)	*	-	8960	(39900)		43400	(4900)	*	-	8390	(37300)	15	**6185DB**	104	
	60000	(6780)	1.03	I	12500	(55600)		49700	(5620)	1.03	I	11800	(52500)	15	**6195DB**	104	
12.0	42500	(4810)	*	-	9380	(41700)	14.5	42500	(4810)	*	-	8980	(40000)	15	**6185DB**	121	
	56500	(6380)	*	-	13300	(59000)		56500	(6380)	*	-	12600	(55900)	15	**6190DB**	121	
	69800	(7890)	0.96	-	13300	(59000)		57900	(6540)	1.03	I	12600	(55900)	15	**6195DB**	121	
			1.03	I	18900	(84100)				1.03	I	18900	(84100)	15	**6205DB**	121	
			1.44	II	23400	(104000)				1.74	III	22900	(102000)	15	**6215DB**	121	
			1.71	III	25700	(114000)				2.06	III	24300	(108000)	15	**6225DB**	121	C.F.
			2.19	III	32200	(143000)				2.19	III	30500	(135000)	15	**6235DA**	121	
			2.37	III	32200	(143000)				2.86	III	30500	(135000)	15	**6235DB**	121	C.F.
			2.60	III	35800	(159000)				3.14	III	33900	(151000)	15	**6245DB**	121	C.F.
10.1	56500	(6380)	*	-	13200	(58700)	12.2	56500	(6380)	*	-	13100	(58400)	15	**6190DB**	143	
	67500	(7630)	*	-	13100	(58200)		68400	(7730)	0.99	-	13000	(57900)	15	**6195DB**	143	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

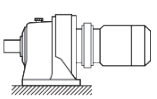
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

15 HP
11 kW



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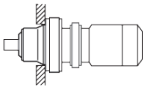

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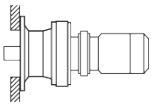


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
8.79	56500	(6380)	*	-	13200	(58900)	10.6	56500	(6380)	*	-	13200	(58900)	15	**6190DB**	165	
	70000	(7910)	*	-	13100	(58300)		70000	(7910)	*	-	13100	(58300)	15	**6195DB**	165	
	82000	(9270)	*	-	18900	(84100)		78900	(8910)	1.03	I	18900	(84100)	15	**6205DB**	165	
	95200	(10800)	1.03	I	23400	(104000)				1.03	I	23400	(104000)	15	**6215DA**	165	
			1.13	I	23400	(104000)				1.37	II	23400	(104000)	15	**6215DB**	165	
			1.35	II	27700	(123000)				1.62	III	26200	(117000)	15	**6225DB**	165	C.F.
			1.82	III	34400	(153000)				2.19	III	32600	(145000)	15	**6235DA**	165	
			2.19	III	38400	(171000)				2.19	III	36400	(162000)	15	**6245DA**	165	
			2.44	III	38400	(171000)				2.94	III	36400	(162000)	15	**6245DB**	165	C.F.
			2.90	III	47100	(209000)				3.50	III	44500	(198000)	15	**6255DB**	165	C.F.
7.44	70000	(7910)	*	-	13100	(58300)	8.97	70000	(7910)	*	-	13100	(58300)	15	**6195DB**	195	
	82000	(9270)	*	-	18900	(84100)		82000	(9270)	*	-	18900	(84100)	15	**6205DB**	195	
	105000	(11800)	*	-	23400	(104000)		93200	(10500)	1.03	I	23400	(104000)	15	**6215DA**	195	
	113000	(12700)	0.96	-	23400	(104000)				1.16	I	23400	(104000)	15	**6215DB**	195	
			1.14	I	29000	(129000)				1.37	II	27500	(122000)	15	**6225DB**	195	C.F.
			1.54	II	36100	(161000)				1.86	III	34200	(152000)	15	**6235DA**	195	
			2.05	III	40400	(180000)				2.05	III	38200	(170000)	15	**6245DA**	195	
			2.06	III	40400	(180000)				2.49	III	38200	(170000)	15	**6245DB**	195	C.F.
			2.45	III	49400	(220000)				2.74	III	46800	(208000)	15	**6255DA**	195	C.F.
			2.45	III	49400	(220000)				2.96	III	46800	(208000)	15	**6255DB**	195	C.F.
6.28	82100	(9270)	*	-	18900	(84100)	7.58	82100	(9270)	*	-	18900	(84100)	15	**6205DB**	231	
	111000	(12500)	*	-	23400	(104000)		110000	(12500)	1.00	I	23400	(104000)	15	**6215DA**	231	
	133000	(15100)	0.98	-	30900	(137000)				1.03	I	29300	(130000)	15	**6225DA**	231	
			0.98	-	30900	(137000)				1.19	I	29300	(130000)	15	**6225DB**	231	C.F.
			1.25	I	38700	(172000)				1.51	II	36600	(163000)	15	**6235DA**	231	
			1.71	III	43000	(191000)				2.07	III	40700	(181000)	15	**6245DA**	231	
			2.06	III	52500	(233000)				2.48	III	49700	(221000)	15	**6255DA**	231	C.F.
5.31	111000	(12500)	*	-	23400	(104000)	6.41	111000	(12500)	*	-	23400	(104000)	15	**6215DA**	273	
	131000	(14800)	*	-	32500	(145000)		131000	(14700)	1.00	I	30700	(137000)	15	**6225DA**	273	
	158000	(17800)	1.06	I	40100	(179000)				1.28	I	38400	(171000)	15	**6235DA**	273	
			1.45	II	45100	(201000)				1.75	III	42800	(190000)	15	**6245DA**	273	
			1.74	III	55100	(245000)				2.10	III	52100	(232000)	15	**6255DA**	273	C.F.
			2.58	III	62000	(276000)				3.12	III	62000	(276000)	15	**6265DA**	273	C.F.
4.55	112000	(12700)	*	-	23400	(104000)	5.49	112000	(12700)	*	-	23400	(104000)	15	**6215DA**	319	
	133000	(15000)	*	-	32600	(145000)		133000	(15000)	*	-	31900	(142000)	15	**6225DA**	319	
	167000	(18900)	*	-	40100	(179000)		153000	(17200)	1.10	I	39900	(177000)	15	**6235DA**	319	
	184000	(20800)	1.24	I	46800	(208000)				1.50	II	44600	(198000)	15	**6245DA**	319	
			1.56	II	57900	(258000)				1.88	III	54900	(244000)	15	**6255DA**	319	C.F.
			2.21	III	62000	(276000)				2.67	III	62000	(276000)	15	**6265DA**	319	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

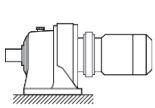
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

15 HP
11 kW



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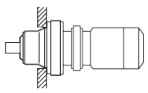

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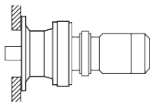


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
3.85	133000	*(15000)*	*	-	32600	*(145000)*	4.64	133000	*(15000)*	*	-	32600	*(145000)*	15	**6225DA**	377	
	167000	*(18900)*	*	-	40100	*(179000)*		167000	*(18900)*	*	-	40100	*(179000)*	15	**6235DA**	377	
	218000	*(24600)*	1.05	I	46800	*(208000)*		180000	*(20400)*	1.27	I	46700	*(208000)*	15	**6245DA**	377	
			1.32	II	58000	*(258000)*				1.59	II	57600	*(256000)*	15	**6255DA**	377	C.F.
			1.87	III	62000	*(276000)*				2.26	III	62000	*(276000)*	15	**6265DA**	377	C.F.
			2.77	III	55700	*(248000)*				3.35	III	55700	*(248000)*	15	**6275DA**	377	C.F.
3.07	181000	*(20500)*	*	-	40100	*(179000)*	3.70	181000	*(20500)*	*	-	40100	*(179000)*	15	**6235DA**	473	
	228000	*(25800)*	*	-	46800	*(208000)*		226000	*(25600)*	1.01	I	46800	*(208000)*	15	**6245DA**	473	
	273000	*(30800)*	1.12	I	58000	*(258000)*				1.35	II	58000	*(258000)*	15	**6255DA**	473	C.F.
			1.49	II	62000	*(276000)*				1.80	III	62000	*(276000)*	15	**6265DA**	473	C.F.
			2.21	III	55700	*(248000)*				2.67	III	55700	*(248000)*	15	**6275DA**	473	C.F.
2.59	228000	*(25800)*	*	-	46800	*(208000)*	3.13	228000	*(25800)*	*	-	46800	*(208000)*	15	**6245DA**	559	
	305000	*(34500)*	*	-	58000	*(258000)*		267000	*(30200)*	1.14	I	58000	*(258000)*	15	**6255DA**	559	C.F.
	323000	*(36400)*	1.26	I	62000	*(276000)*				1.52	II	62000	*(276000)*	15	**6265DA**	559	C.F.
			1.87	III	55700	*(248000)*				2.26	III	55700	*(248000)*	15	**6275DA**	559	C.F.
2.23	228000	*(25800)*	*	-	46800	*(208000)*	2.70	228000	*(25800)*	*	-	46800	*(208000)*	15	**6245DA**	649	
	305000	*(34500)*	*	-	58000	*(258000)*		310000	*(35100)*	0.98	-	58000	*(258000)*	15	**6255DA**	649	C.F.
	375000	*(42300)*	1.09	I	62000	*(276000)*				1.31	II	62000	*(276000)*	15	**6265DA**	649	C.F.
			1.61	III	55700	*(248000)*				1.95	III	55700	*(248000)*	15	**6275DA**	649	C.F.
1.98	305000	*(34500)*	*	-	58000	*(258000)*	2.39	305000	*(34500)*	*	-	58000	*(258000)*	15	**6255DA**	731	
	422000	*(47700)*	0.97	-	62000	*(276000)*		350000	*(39500)*	1.16	I	62000	*(276000)*	15	**6265DA**	731	C.F.
			1.43	II	55700	*(248000)*				1.73	III	55700	*(248000)*	15	**6275DA**	731	C.F.
1.72	287000	*(32500)*	*	-	58000	*(258000)*	2.08	287000	*(32500)*	*	-	58000	*(258000)*	15	**6255DA**	841	
	407000	*(46000)*	*	-	62000	*(276000)*		402000	*(45400)*	1.01	I	62000	*(276000)*	15	**6265DA**	841	C.F.
	485000	*(54800)*	1.24	I	55700	*(248000)*				1.50	II	55700	*(248000)*	15	**6275DA**	841	C.F.
1.45	407000	*(46000)*	*	-	62000	*(276000)*	1.74	407000	*(46000)*	*	-	62000	*(276000)*	15	**6265DA**	1003	C.F.
	579000	*(65400)*	1.04	I	55700	*(248000)*		480000	*(54200)*	1.26	I	55700	*(248000)*	15	**6275DA**	1003	C.F.
1.16	604000	*(68200)*	*	-	55700	*(248000)*	1.40	596000	*(67400)*	1.01	I	55700	*(248000)*	15	**6275DA**	1247	C.F.
0.980	604000	*(68200)*	*	-	55100	*(245000)*	1.18	604000	*(68200)*	*	-	55100	*(245000)*	15	**6275DA**	1479	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

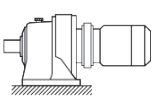
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

20 HP
15 kW



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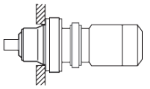

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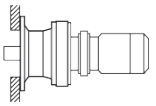


V

Dimension Pages:
Foot Mount (H) 2.100 - 2.129
V-Flange Mount (V) 2.130 - 2.159
F-Flange Mount (F) 2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz						Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base		VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
483	2490	(282)	0.94	-	1640	(7300)	583	2060	(233)	1.01	I	1560	(6920)	20	**6145**	3	
			1.35	I	1780	(7930)				1.35	I	1690	(7510)	20	**6160**	3	
			1.56	II	1780	(7930)				1.61	II	1690	(7510)	20	**6165**	3	
			1.84	II	2020	(8970)				1.84	II	1910	(8490)	20	**6170**	3	
290	4150	(469)	1.01	I	1950	(8660)	350	3440	(389)	1.01	I	1850	(8210)	20	**6145**	5	
			1.35	I	2110	(9400)				1.35	I	2000	(8900)	20	**6160**	5	
			1.56	II	2110	(9400)				1.61	II	2000	(8900)	20	**6165**	5	
			1.84	II	2390	(10600)				1.84	II	2260	(10100)	20	**6170**	5	
242	4980	(563)	1.01	I	2070	(9200)	292	4130	(467)	1.01	I	1960	(8730)	20	**6145**	6	
			1.35	II	2300	(10200)				1.35	II	2170	(9670)	20	**6160**	6	
			1.60	III	2300	(10200)				1.60	III	2170	(9670)	20	**6165**	6	
			1.84	III	2610	(11600)				1.84	III	2460	(10900)	20	**6170**	6	
			2.01	III	2610	(11600)				2.01	III	2460	(10900)	20	**6175**	6	
181	6650	(751)	1.01	I	2290	(10200)	219	5510	(622)	1.01	I	2170	(9660)	20	**6145**	8	
			1.31	II	2570	(11400)				1.31	II	2430	(10800)	20	**6160**	8	
			1.60	III	2570	(11400)				1.60	III	2430	(10800)	20	**6165**	8	
			1.84	III	2880	(12800)				1.84	III	2720	(12100)	20	**6170**	8	
			2.01	III	2880	(12800)				2.01	III	2720	(12100)	20	**6175**	8	
132	9140	(1030)	1.01	I	2560	(11400)	159	7570	(855)	1.01	I	2430	(10800)	20	**6145**	11	
			1.31	II	2900	(12900)				1.31	II	2740	(12200)	20	**6160**	11	
			1.60	III	2900	(12900)				1.60	III	2740	(12200)	20	**6165**	11	
			1.84	III	3310	(14700)				1.84	III	3120	(13900)	20	**6170**	11	
			2.01	III	3310	(14700)				2.01	III	3120	(13900)	20	**6175**	11	
			2.35	III	4420	(19600)				2.35	III	4160	(18500)	20	**6180**	11	C.F.
			2.60	III	4420	(19600)				2.60	III	4160	(18500)	20	**6185**	11	C.F.
			2.73	III	6170	(27500)				2.73	III	5800	(25800)	20	**6190**	11	C.F.
112	10800	(1220)	1.00	I	2610	(11600)	135	8950	(1010)	1.00	I	2480	(11000)	20	**6145**	13	
			1.31	II	3030	(13500)				1.31	II	2860	(12700)	20	**6160**	13	
			1.51	II	3030	(13500)				1.51	II	2860	(12700)	20	**6165**	13	
			1.82	III	3440	(15300)				1.82	III	3250	(14500)	20	**6170**	13	
			2.01	III	3440	(15300)				2.01	III	3250	(14500)	20	**6175**	13	
			2.35	III	4590	(20400)				2.35	III	4320	(19200)	20	**6180**	13	C.F.
			2.60	III	4590	(20400)				2.60	III	4320	(19200)	20	**6185**	13	C.F.
			2.73	III	6430	(28600)				2.73	III	6050	(26900)	20	**6190**	13	C.F.

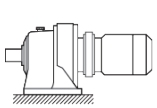
Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:
AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

20 HP
15 kW



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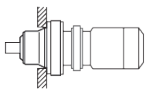

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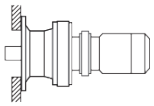


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
96.7	12500	(1410)	0.96	-	2730	(12100)	117	10300	(1170)	1.00	I	2590	(11500)	20	**6145**	15	
			1.25	I	3200	(14200)				1.25	I	3030	(13500)	20	**6160**	15	
			1.49	II	3200	(14200)				1.51	II	3030	(13500)	20	**6165**	15	
			1.70	III	3610	(16100)				1.70	III	3410	(15200)	20	**6170**	15	
			2.01	III	3610	(16100)				2.01	III	3410	(15200)	20	**6175**	15	
			2.16	III	4850	(21600)				2.16	III	4570	(20300)	20	**6180**	15	C.F.
			2.60	III	4850	(21600)				2.60	III	4570	(20300)	20	**6185**	15	C.F.
			2.73	III	6750	(30000)				2.73	III	6350	(28200)	20	**6190**	15	C.F.
85.3	14100	(1600)	0.80	-	2840	(12600)	103	11700	(1320)	0.80	-	2700	(12000)	20	**6145**	17	
			0.87	-	3290	(14600)				0.87	-	3110	(13900)	20	**6160**	17	
			1.26	I	3290	(14600)				1.26	I	3110	(13900)	20	**6165**	17	
			1.31	II	3750	(16700)				1.31	II	3540	(15800)	20	**6170**	17	
			1.60	III	3750	(16700)				1.60	III	3540	(15800)	20	**6175**	17	
			2.04	III	5110	(22700)				2.04	III	4820	(21400)	20	**6180**	17	
			2.55	III	5110	(22700)				2.60	III	4820	(21400)	20	**6185**	17	
			2.73	III	7110	(31600)				2.73	III	6690	(29800)	20	**6190**	17	C.F.
69.0	17400	(1970)	1.07	I	3500	(15600)	83.3	14500	(1630)	1.07	I	3320	(14800)	20	**6165**	21	
			1.24	I	4030	(17900)				1.30	II	3810	(17000)	20	**6170**	21	
			1.57	II	4030	(17900)				1.60	III	3810	(17000)	20	**6175**	21	
			2.00	III	5470	(24300)				2.00	III	5160	(22900)	20	**6180**	21	
			2.54	III	5470	(24300)				2.60	III	5160	(22900)	20	**6185**	21	
			2.73	III	7640	(34000)				2.73	III	7190	(32000)	20	**6190**	21	C.F.
58.0	20800	(2350)	0.90	-	3630	(16200)	70.0	17200	(1940)	1.00	I	3450	(15400)	20	**6165**	25	
			1.04	I	4160	(18500)				1.05	I	3940	(17500)	20	**6170**	25	
			1.30	II	4160	(18500)				1.30	II	3940	(17500)	20	**6175**	25	
			1.60	III	5680	(25300)				1.60	III	5360	(23800)	20	**6180**	25	
			2.01	III	5680	(25300)				2.01	III	5360	(23800)	20	**6185**	25	
			2.35	III	7990	(35600)				2.35	III	7520	(33500)	20	**6190**	25	C.F.
			2.70	III	7990	(35600)				2.70	III	7520	(33500)	20	**6195**	25	C.F.
50.0	24100	(2720)	1.16	I	4360	(19400)	60.3	20000	(2260)	1.26	I	4130	(18400)	20	**6175**	29	
			1.30	II	5930	(26400)				1.30	II	5590	(24900)	20	**6180**	29	
			1.60	III	5930	(26400)				1.60	III	5590	(24900)	20	**6185**	29	
			2.05	III	8400	(37400)				2.05	III	7910	(35200)	20	**6190**	29	
			2.52	III	8400	(37400)				2.52	III	7910	(35200)	20	**6195**	29	
41.4	29100	(3280)	0.96	-	4590	(20400)	50.0	24100	(2720)	1.00	I	4350	(19400)	20	**6175**	35	
			1.23	I	6310	(28100)				1.25	I	5960	(26500)	20	**6180**	35	
			1.51	II	6310	(28100)				1.51	II	5960	(26500)	20	**6185**	35	
			1.62	III	8850	(39400)				1.62	III	8340	(37100)	20	**6190**	35	
			2.01	III	8850	(39400)				2.01	III	8340	(37100)	20	**6195**	35	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

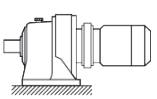
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

20 HP
15 kW



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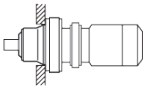

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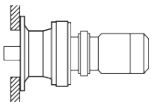


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
33.7	35700	(4040)	1.00	I	6720	(29900)	40.7	29600	(3340)	1.00	I	6360	(28300)	20	**6180**	43	
			1.24	I	6720	(29900)				1.26	I	6360	(28300)	20	**6185**	43	
			1.40	II	9510	(42300)				1.40	II	8960	(39900)	20	**6190**	43	
			1.81	III	9510	(42300)				2.01	III	8960	(39900)	20	**6195**	43	
			2.12	III	17400	(77500)				2.12	III	16500	(73300)	20	**6205**	43	C.F.
28.4	42400	(4790)	1.00	I	6940	(30900)	34.3	35100	(3970)	1.00	I	6560	(29200)	20	**6185**	51	
			1.21	I	9900	(44100)				1.21	I	9340	(41500)	20	**6190**	51	
			1.40	II	9900	(44100)				1.40	II	9340	(41500)	20	**6195**	51	
24.6	49000	(5540)	0.80	-	7220	(32100)	29.7	40600	(4590)	0.80	-	6840	(30400)	20	**6185**	59	
			1.02	I	10400	(46000)				1.02	I	9760	(43400)	20	**6190**	59	
			1.26	I	10400	(46000)				1.26	I	9760	(43400)	20	**6195**	59	
			1.51	II	18900	(84100)				1.51	II	17900	(79700)	20	**6205**	59	C.F.
			2.26	III	19300	(85900)				2.51	III	18300	(81300)	20	**6215**	59	C.F.
20.4	59000	(6660)	1.04	I	10900	(48600)	24.6	48900	(5520)	1.04	I	10300	(45900)	20	**6195**	71	
16.7	72300	(8170)	0.91	-	11700	(52100)	20.1	59900	(6770)	0.91	-	11100	(49200)	20	**6195**	87	
			1.06	I	18900	(84100)				1.06	I	18900	(84100)	20	**6205**	87	
			1.31	II	21600	(96100)				1.43	II	20500	(91000)	20	**6215**	87	C.F.
13.9	56500	(6380)	*	-	12500	(55800)	16.8	51100	(5770)	*	-	11800	(52500)	20	**6190DB**	104	
	61700	(6970)	*	-	12500	(55600)			(5770)	*	-	11800	(52500)	20	**6195DB**	104	
12.0	67100	(7580)	*	-	13300	(59000)	14.5	59400	(6720)	*	-	12500	(55800)	20	**6195DB**	121	
	71700	(8110)	*	-	18900	(84100)			(6720)	*	-	18900	(84100)	20	**6205DB**	121	
	95200	(10800)	1.06	I	23400	(104000)		78900	(8910)	1.28	I	22800	(101000)	20	**6215DB**	121	
			1.25	I	25500	(113000)				1.51	II	24200	(108000)	20	**6225DB**	121	
			1.60	III	32000	(142000)				1.60	III	30300	(135000)	20	**6235DA**	121	
			1.74	III	32000	(142000)				2.10	III	30300	(135000)	20	**6235DB**	121	C.F.
			1.91	III	35600	(159000)				2.30	III	33700	(150000)	20	**6245DB**	121	C.F.
			2.56	III	43700	(194000)				3.08	III	41300	(184000)	20	**6255DB**	121	C.F.
			2.91	III	53400	(237000)				3.21	III	50500	(225000)	20	**6265DA**	121	C.F.
8.79	82000	(9270)	*	-	18900	(84100)	10.6	81100	(9160)	*	-	18900	(84100)	20	**6205DB**	165	
	97800	(11100)	*	-	23400	(104000)			(9160)	*	-	23400	(104000)	20	**6215DA**	165	
	108000	(12200)	*	-	23400	(104000)		108000	(12200)	1.00	I	23400	(104000)	20	**6215DB**	165	
	130000	(14700)	0.99	-	27500	(122000)				1.19	I	26100	(116000)	20	**6225DB**	165	
			1.34	II	34200	(152000)				1.60	III	32400	(144000)	20	**6235DA**	165	
			1.60	III	38300	(170000)				1.60	III	36200	(161000)	20	**6245DA**	165	
			1.79	III	38300	(170000)				2.16	III	36200	(161000)	20	**6245DB**	165	C.F.
			2.12	III	46900	(209000)				2.56	III	44400	(197000)	20	**6255DB**	165	C.F.
			2.98	III	57200	(254000)				3.21	III	54100	(241000)	20	**6265DA**	165	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

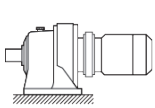
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

20 HP
15 kW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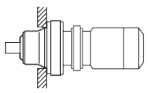
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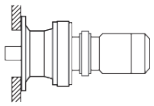

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
7.44	105000	(11800)	*	-	23400	(104000)	8.97	95800	(10800)	*	-	23400	(104000)	20	**6215DA**	195	
			*	-	29100	(129000)			(10800)	*	-	27500	(122000)	20	**6225DA**	195	
	128000	(14500)	*	-	29000	(129000)		127000	(14400)	1.01	I	27300	(122000)	20	**6225DB**	195	
	153000	(17300)	1.13	I	35900	(160000)				1.37	II	34000	(151000)	20	**6235DA**	195	
			1.51	II	40100	(179000)				1.51	II	38000	(169000)	20	**6245DA**	195	
			1.51	II	40100	(179000)				1.83	III	38000	(169000)	20	**6245DB**	195	C.F.
			1.80	III	49200	(219000)				2.01	III	46600	(207000)	20	**6255DA**	195	
			1.80	III	49200	(219000)				2.17	III	46600	(207000)	20	**6255DB**	195	C.F.
			2.52	III	60100	(267000)				3.04	III	56800	(253000)	20	**6265DA**	195	C.F.
6.28	131000	(14800)	*	-	30900	(137000)	7.58	113000	(12800)	*	-	29300	(130000)	20	**6225DA**	231	
	167000	(18900)	*	-	38500	(171000)		151000	(17000)	1.11	I	36400	(162000)	20	**6235DA**	231	
	182000	(20500)	1.26	I	42800	(190000)				1.52	II	40500	(180000)	20	**6245DA**	231	
			1.51	II	52300	(232000)				1.82	III	49500	(220000)	20	**6255DA**	231	
			2.24	III	62000	(276000)				2.70	III	60500	(269000)	20	**6265DA**	231	C.F.
5.31	167000	(18900)	*	-	40100	(179000)	6.41	167000	(18900)	*	-	38200	(170000)	20	**6235DA**	273	
	215000	(24300)	1.06	I	44900	(200000)		178000	(20100)	1.28	I	42500	(189000)	20	**6245DA**	273	
			1.28	I	54800	(244000)				1.54	II	51900	(231000)	20	**6255DA**	273	
			1.90	III	62000	(276000)				2.29	III	62000	(276000)	20	**6265DA**	273	C.F.
4.55	167000	(18900)	*	-	40100	(179000)	5.49	167000	(18900)	*	-	39800	(177000)	20	**6235DA**	319	
	228000	(25800)	*	-	46800	(208000)		208000	(23500)	1.10	I	44300	(197000)	20	**6245DA**	319	
	251000	(28400)	1.14	I	57600	(256000)				1.38	II	54600	(243000)	20	**6255DA**	319	
			1.62	III	62000	(276000)				1.96	III	62000	(276000)	20	**6265DA**	319	C.F.
			2.40	III	55700	(248000)				2.90	III	55700	(248000)	20	**6275DA**	319	C.F.
3.85	228000	(25800)	*	-	46800	(208000)	4.64	228000	(25800)	*	-	46500	(207000)	20	**6245DA**	377	
	297000	(33500)	0.97	-	58000	(258000)		246000	(27800)	1.17	I	57300	(255000)	20	**6255DA**	377	
			1.37	II	62000	(276000)				1.66	III	62000	(276000)	20	**6265DA**	377	C.F.
			2.03	III	55700	(248000)				2.46	III	55700	(248000)	20	**6275DA**	377	C.F.
3.07	228000	(25800)	*	-	46800	(208000)	3.70	228000	(25800)	*	-	46800	(208000)	20	**6245DA**	473	
	305000	(34500)	*	-	58000	(258000)		308000	(34800)	0.99	-	58000	(258000)	20	**6255DA**	473	
			*	-	58000	(258000)				0.99	-	58000	(258000)	20	**6255DB**	473	C.F.
	372000	(42100)	1.09	I	62000	(276000)				1.32	II	62000	(276000)	20	**6265DA**	473	C.F.
			1.62	III	55700	(248000)				1.96	III	55700	(248000)	20	**6275DA**	473	C.F.
2.59	305000	(34500)	*	-	58000	(258000)	3.13	305000	(34500)	*	-	58000	(258000)	20	**6255DA**	559	
	407000	(46000)	*	-	62000	(276000)		364000	(41200)	1.12	I	62000	(276000)	20	**6265DA**	559	C.F.
	440000	(49700)	1.37	II	55700	(248000)				1.66	III	55700	(248000)	20	**6275DA**	559	C.F.
2.23	407000	(46000)	*	-	62000	(276000)	2.70	423000	(47800)	0.96	-	62000	(276000)	20	**6265DA**	649	C.F.
	511000	(57700)	1.18	I	55700	(248000)				1.43	II	55700	(248000)	20	**6275DA**	649	C.F.
1.98	407000	(46000)	*	-	62000	(276000)	2.39	407000	(46000)	*	-	62000	(276000)	20	**6265DA**	731	C.F.
	575000	(65000)	1.05	I	55700	(248000)		477000	(53900)	1.27	I	55700	(248000)	20	**6275DA**	731	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

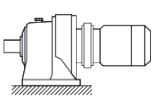
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

20 HP
15 kW



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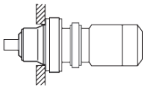

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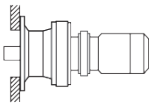


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
1.72	407000	*(46000)*	*	-	62000	*(276000)*	2.08	407000	*(46000)*	*	-	62000	*(276000)*	20	**6265DA**	841	
	604000	*(68200)*	*	-	55700	*(248000)*		548000	*(62000)*	1.10	I	55700	*(248000)*	20	**6275DA**	841	
1.45	604000	*(68200)*	*	-	55700	*(248000)*	1.74	604000	*(68200)*	*	-	55700	*(248000)*	20	**6275DA**	1003	C.F.
1.16	604000	*(68200)*	*	-	55700	*(248000)*	1.40	604000	*(68200)*	*	-	55700	*(248000)*	20	**6275DA**	1247	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

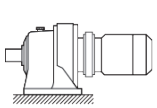
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

25 HP
18.5 kW



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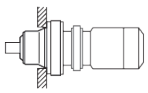

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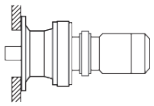


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
483	3070	(347)	1.10	I	1780	(7930)	583	2550	(288)	1.10	I	1690	(7510)	25	**6160**	3	
			1.26	I	1780	(7930)				1.30	I	1690	(7510)	25	**6165**	3	
			1.49	II	2020	(8970)				1.49	II	1910	(8490)	25	**6170**	3	
			1.63	II	2020	(8970)				1.63	II	1910	(8490)	25	**6175**	3	
290	5120	(579)	1.10	I	2110	(9400)	350	4240	(480)	1.10	I	2000	(8900)	25	**6160**	5	
			1.26	I	2110	(9400)				1.30	I	2000	(8900)	25	**6165**	5	
			1.49	II	2390	(10600)				1.49	II	2260	(10100)	25	**6170**	5	
			1.63	II	2390	(10600)				1.63	II	2260	(10100)	25	**6175**	5	
242	6150	(695)	1.10	I	2280	(10200)	292	5090	(575)	1.10	I	2160	(9590)	25	**6160**	6	
			1.30	II	2280	(10200)				1.30	II	2160	(9590)	25	**6165**	6	
			1.49	II	2590	(11500)				1.49	II	2440	(10900)	25	**6170**	6	
			1.63	III	2590	(11500)				1.63	III	2440	(10900)	25	**6175**	6	
181	8200	(926)	1.06	I	2540	(11300)	219	6790	(767)	1.06	I	2400	(10700)	25	**6160**	8	
			1.30	II	2540	(11300)				1.30	II	2400	(10700)	25	**6165**	8	
			1.49	II	2860	(12700)				1.49	II	2700	(12000)	25	**6170**	8	
			1.63	III	2860	(12700)				1.63	III	2700	(12000)	25	**6175**	8	
132	11300	(1270)	1.06	I	2870	(12700)	159	9340	(1060)	1.06	I	2710	(12100)	25	**6160**	11	
			1.30	II	2870	(12700)				1.30	II	2710	(12100)	25	**6165**	11	
			1.49	II	3280	(14600)				1.49	II	3100	(13800)	25	**6170**	11	
			1.63	III	3280	(14600)				1.63	III	3100	(13800)	25	**6175**	11	
			1.90	III	4390	(19500)				1.90	III	4140	(18400)	25	**6180**	11	
			2.11	III	4390	(19500)				2.11	III	4140	(18400)	25	**6185**	11	
			2.22	III	6150	(27400)				2.22	III	5790	(25800)	25	**6190**	11	C.F.
			2.60	III	6150	(27400)				2.60	III	5790	(25800)	25	**6195**	11	C.F.
112	13300	(1500)	1.06	I	2990	(13300)	135	11000	(1250)	1.06	I	2830	(12600)	25	**6160**	13	
			1.22	I	2990	(13300)				1.22	I	2830	(12600)	25	**6165**	13	
			1.47	II	3410	(15200)				1.47	II	3220	(14300)	25	**6170**	13	
			1.63	III	3410	(15200)				1.63	III	3220	(14300)	25	**6175**	13	
			1.90	III	4570	(20300)				1.90	III	4300	(19100)	25	**6180**	13	
			2.11	III	4570	(20300)				2.11	III	4300	(19100)	25	**6185**	13	
			2.22	III	6400	(28500)				2.22	III	6030	(26800)	25	**6190**	13	C.F.
			2.60	III	6400	(28500)				2.60	III	6030	(26800)	25	**6195**	13	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

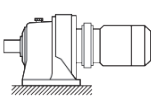
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

25 HP
18.5 kW



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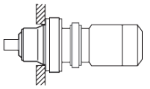

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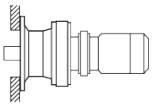

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
96.7	15400	(1740)	1.01	I	3150	(14000)	117	12700	(1440)	1.01	I	2990	(13300)	25	**6160**	15	
			1.21	I	3150	(14000)				1.22	I	2990	(13300)	25	**6165**	15	
			1.38	II	3560	(15800)				1.38	II	3370	(15000)	25	**6170**	15	
			1.63	III	3560	(15800)				1.63	III	3370	(15000)	25	**6175**	15	
			1.75	III	4810	(21400)				1.75	III	4540	(20200)	25	**6180**	15	
			2.11	III	4810	(21400)				2.11	III	4540	(20200)	25	**6185**	15	
			2.22	III	6720	(29900)				2.22	III	6330	(28100)	25	**6190**	15	C.F.
			2.60	III	6720	(29900)				2.60	III	6330	(28100)	25	**6195**	15	C.F.
85.3	17400	(1970)	1.02	I	3230	(14400)	103	14400	(1630)	1.02	I	3070	(13600)	25	**6165**	17	
			1.06	I	3700	(16500)				1.06	I	3500	(15600)	25	**6170**	17	
			1.30	II	3700	(16500)				1.30	II	3500	(15600)	25	**6175**	17	
			1.65	III	5070	(22600)				1.65	III	4790	(21300)	25	**6180**	17	
			2.06	III	5070	(22600)				2.11	III	4790	(21300)	25	**6185**	17	
			2.22	III	7080	(31500)				2.22	III	6670	(29700)	25	**6190**	17	C.F.
			2.60	III	7080	(31500)				2.60	III	6670	(29700)	25	**6195**	17	C.F.
69.0	21500	(2430)	0.86	-	3430	(15300)	83.3	17800	(2010)	0.87	-	3260	(14500)	25	**6165**	21	
			1.00	I	3980	(17700)				1.05	I	3770	(16800)	25	**6170**	21	
			1.27	I	3980	(17700)				1.30	II	3770	(16800)	25	**6175**	21	
			1.62	III	5440	(24200)				1.62	III	5130	(22800)	25	**6180**	21	
			2.06	III	5440	(24200)				2.11	III	5130	(22800)	25	**6185**	21	
			2.22	III	7620	(33900)				2.22	III	7170	(31900)	25	**6190**	21	
			2.60	III	7620	(33900)				2.60	III	7170	(31900)	25	**6195**	21	
58.0	25600	(2890)	1.05	I	4100	(18200)	70.0	21200	(2400)	1.05	I	3880	(17300)	25	**6175**	25	
			1.30	II	5640	(25100)				1.30	II	5320	(23700)	25	**6180**	25	
			1.63	III	5640	(25100)				1.63	III	5320	(23700)	25	**6185**	25	
			1.90	III	7960	(35400)				1.90	III	7500	(33300)	25	**6190**	25	
			2.19	III	7960	(35400)				2.19	III	7500	(33300)	25	**6195**	25	
50.0	29700	(3360)	0.94	-	4280	(19000)	60.3	24600	(2780)	1.02	I	4070	(18100)	25	**6175**	29	
			1.05	I	5880	(26100)				1.05	I	5550	(24700)	25	**6180**	29	
			1.30	II	5880	(26100)				1.30	II	5550	(24700)	25	**6185**	29	
			1.66	III	8360	(37200)				1.66	III	7870	(35000)	25	**6190**	29	
			2.04	III	8360	(37200)				2.04	III	7870	(35000)	25	**6195**	29	
			2.47	III	15400	(68700)				2.47	III	14600	(65000)	25	**6205**	29	C.F.
41.4	35900	(4050)	1.00	I	6250	(27800)	50.0	29700	(3360)	1.02	I	5910	(26300)	25	**6180**	35	
			1.22	I	6250	(27800)				1.22	I	5910	(26300)	25	**6185**	35	
			1.31	II	8810	(39200)				1.31	II	8300	(36900)	25	**6190**	35	
			1.63	III	8810	(39200)				1.63	III	8300	(36900)	25	**6195**	35	

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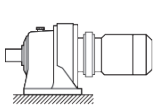
Selection Tables

25 HP
18.5 kW



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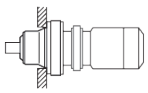

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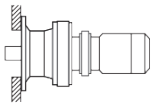


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
33.7	44100	(4980)	1.00	I	6640	(29500)	40.7	36500	(4120)	1.02	I	6290	(28000)	25	**6185**	43	
			1.13	I	9450	(42000)				1.13	I	8910	(39600)	25	**6190**	43	
			1.47	II	9450	(42000)				1.63	III	8910	(39600)	25	**6195**	43	
			1.72	III	17400	(77300)				1.72	III	16500	(73200)	25	**6205**	43	C.F.
			2.44	III	17700	(78900)				2.44	III	16800	(74700)	25	**6215**	43	C.F.
28.4	52200	(5900)	0.81	-	6850	(30400)	34.3	43300	(4890)	0.81	-	6490	(28900)	25	**6185**	51	
			0.98	-	9830	(43700)				0.98	-	9280	(41300)	25	**6190**	51	
			1.13	I	9830	(43700)				1.13	I	9280	(41300)	25	**6195**	51	
24.6	60400	(6830)	1.02	I	10300	(45700)	29.7	50100	(5660)	1.02	I	9690	(43100)	25	**6195**	59	
			1.22	I	18900	(83900)				1.22	I	17900	(79400)	25	**6205**	59	C.F.
			1.83	III	19200	(85600)				2.04	III	18200	(81100)	25	**6215**	59	C.F.
			2.13	III	20400	(90800)				2.44	III	19300	(86000)	25	**6225**	59	C.F.
20.4	72700	(8220)	0.84	-	10800	(48100)	24.6	60300	(6810)	0.84	-	10200	(45500)	25	**6195**	71	
16.7	89100	(10100)	1.06	I	21500	(95600)	20.1	73900	(8340)	1.16	I	20400	(90600)	25	**6215**	87	
			1.45	II	22800	(101000)				1.45	II	21600	(96100)	25	**6225**	87	C.F.
12.0	101000	(11400)	*	-	23400	(104000)	14.5	97300	(11000)	1.03	I	22600	(101000)	25	**6215DB**	121	
	117000	(13300)	1.01	I	25400	(113000)				1.22	I	24100	(107000)	25	**6225DB**	121	
			1.30	II	31900	(142000)				1.30	II	30200	(134000)	25	**6235DA**	121	
			1.41	II	31900	(142000)				1.70	III	30200	(134000)	25	**6235DB**	121	
			1.55	II	35500	(158000)				1.87	III	33600	(150000)	25	**6245DB**	121	
			2.07	III	43600	(194000)				2.50	III	41300	(184000)	25	**6255DB**	121	C.F.
			2.36	III	53300	(237000)				2.60	III	50400	(224000)	25	**6265DA**	121	C.F.
8.79	128000	(14500)	*	-	27500	(122000)	10.6	133000	(15000)	0.97	-	25900	(115000)	25	**6225DB**	165	
	160000	(18100)	1.08	I	34100	(151000)				1.30	II	32300	(144000)	25	**6235DA**	165	
			1.30	II	38100	(170000)				1.30	II	36100	(161000)	25	**6245DA**	165	
			1.45	II	38100	(170000)				1.75	III	36100	(161000)	25	**6245DB**	165	
			1.72	III	46800	(208000)				2.08	III	44300	(197000)	25	**6255DB**	165	C.F.
			2.42	III	57100	(254000)				2.60	III	54000	(240000)	25	**6265DA**	165	C.F.
7.44	174000	(19600)	*	-	35800	(159000)	8.97	157000	(17700)	1.11	I	33900	(151000)	25	**6235DA**	195	
	189000	(21400)	1.22	I	40000	(178000)				1.22	I	37900	(169000)	25	**6245DA**	195	
			1.23	I	40000	(178000)				1.48	II	37900	(169000)	25	**6245DB**	195	
			1.46	II	49100	(218000)				1.63	III	46500	(207000)	25	**6255DA**	195	
			1.46	II	49100	(218000)				1.76	III	46500	(207000)	25	**6255DB**	195	C.F.
			2.05	III	59900	(267000)				2.47	III	56700	(252000)	25	**6265DA**	195	C.F.
6.28	167000	(18900)	*	-	38500	(171000)	7.58	167000	(18900)	*	-	36300	(162000)	25	**6235DA**	231	
	224000	(25300)	1.02	I	42600	(189000)		186000	(21000)	1.23	I	40400	(180000)	25	**6245DA**	231	
			1.22	I	52100	(232000)				1.48	II	49300	(219000)	25	**6255DA**	231	
			1.82	III	62000	(276000)				2.19	III	60400	(269000)	25	**6265DA**	231	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

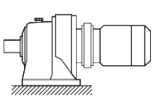
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

25 HP
18.5 kW



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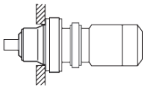

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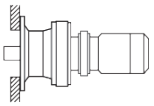


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	**Output Torque**		**Service Factor[1]**		**Solid Shaft Overhung Load**		**Output Speed (RPM)**	**Output Torque**		**Service Factor[1]**		**Solid Shaft Overhung Load**		**Base**			**VFD[2]**
	in•lbs	***(N•m)***	**SF**	**AGMA Class**	**lbs**	***(N)***		**in•lbs**	***(N•m)***	**SF**	**AGMA Class**	**lbs**	***(N)***	**Motor Power Code**	**Frame Size**	**Ratio**	
5.31	228000	*(25800)*	*	-	44800	*(199000)*	6.41	220000	*(24800)*	1.04	I	42300	*(188000)*	25	**6245DA**	273	
	265000	*(29900)*	1.04	I	54600	*(243000)*				1.25	I	51800	*(230000)*	25	**6255DA**	273	
			1.54	II	62000	*(276000)*				1.85	III	62000	*(276000)*	25	**6265DA**	273	C.F.
4.55	228000	*(25800)*	*	-	46800	*(208000)*	5.49	228000	*(25800)*	*	-	44200	*(196000)*	25	**6245DA**	319	C.F.
	287000	*(32500)*	*	-	57400	*(255000)*		257000	*(29000)*	1.12	I	54400	*(242000)*	25	**6255DA**	319	
	310000	*(35000)*	1.31	II	62000	*(276000)*				1.59	II	62000	*(276000)*	25	**6265DA**	319	C.F.
			1.95	III	55700	*(248000)*				2.35	III	55700	*(248000)*	25	**6275DA**	319	C.F.
3.85	287000	*(32500)*	*	-	58000	*(258000)*	4.64	287000	*(32500)*	*	-	57100	*(254000)*	25	**6255DA**	377	
	366000	*(41300)*	1.11	I	62000	*(276000)*		303000	*(34300)*	1.34	II	62000	*(276000)*	25	**6265DA**	377	C.F.
			1.65	III	55700	*(248000)*				1.99	III	55700	*(248000)*	25	**6275DA**	377	C.F.
3.07	407000	*(46000)*	*	-	62000	*(276000)*	3.70	380000	*(43000)*	1.07	I	62000	*(276000)*	25	**6265DA**	473	C.F.
	459000	*(51900)*	1.31	II	55700	*(248000)*				1.59	II	55700	*(248000)*	25	**6275DA**	473	C.F.
2.59	543000	*(61300)*	1.11	I	55700	*(248000)*	3.13	450000	*(50800)*	1.34	II	55700	*(248000)*	25	**6275DA**	559	C.F.
2.23	630000	*(71200)*	0.96	-	55700	*(248000)*	2.70	522000	*(59000)*	1.16	I	55700	*(248000)*	25	**6275DA**	649	C.F.
1.98	604000	*(68200)*	*	-	55700	*(248000)*	2.39	588000	*(66400)*	1.03	I	55700	*(248000)*	25	**6275DA**	731	C.F.
1.72	604000	*(68200)*	*	-	55700	*(248000)*	2.08	604000	*(68200)*	*	-	55700	*(248000)*	25	**6275DA**	841	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

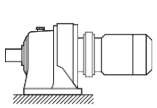
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

30 HP
22 kW



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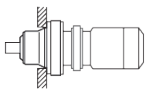

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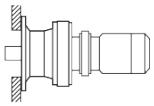

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
483	3650	(413)	1.06	I	1780	(7930)	583	3030	(342)	1.10	I	1690	(7510)	30	**6165**	3	
			1.25	I	2020	(8970)				1.25	I	1910	(8490)	30	**6170**	3	
			1.37	I	2020	(8970)				1.37	I	1910	(8490)	30	**6175**	3	
290	6090	(688)	1.06	I	2110	(9400)	350	5050	(570)	1.10	I	2000	(8900)	30	**6165**	5	
			1.25	I	2390	(10600)				1.25	I	2260	(10100)	30	**6170**	5	
			1.37	I	2390	(10600)				1.37	I	2260	(10100)	30	**6175**	5	
242	7310	(826)	1.09	I	2260	(10100)	292	6060	(684)	1.09	I	2140	(9510)	30	**6165**	6	
			1.25	I	2570	(11500)				1.25	I	2430	(10800)	30	**6170**	6	
			1.37	II	2570	(11500)				1.37	II	2430	(10800)	30	**6175**	6	
181	9750	(1100)	1.09	I	2510	(11200)	219	8080	(912)	1.09	I	2380	(10600)	30	**6165**	8	
			1.25	I	2840	(12600)				1.25	I	2680	(11900)	30	**6170**	8	
			1.37	II	2840	(12600)				1.37	II	2680	(11900)	30	**6175**	8	
132	13400	(1510)	1.09	I	2830	(12600)	159	11100	(1250)	1.09	I	2680	(11900)	30	**6165**	11	
			1.25	I	3250	(14500)				1.25	I	3070	(13700)	30	**6170**	11	
			1.37	II	3250	(14500)				1.37	II	3070	(13700)	30	**6175**	11	
			1.60	III	4370	(19500)				1.60	III	4120	(18300)	30	**6180**	11	
			1.77	III	4370	(19500)				1.77	III	4120	(18300)	30	**6185**	11	
			1.86	III	6140	(27300)				1.86	III	5780	(25700)	30	**6190**	11	C.F.
			2.19	III	6140	(27300)				2.19	III	5780	(25700)	30	**6195**	11	C.F.
			2.71	III	11800	(52300)				2.71	III	11100	(49500)	30	**6205**	11	C.F.
112	15800	(1790)	1.03	I	2940	(13100)	135	13100	(1480)	1.03	I	2800	(12400)	30	**6165**	13	
			1.24	I	3370	(15000)				1.24	I	3190	(14200)	30	**6170**	13	
			1.37	II	3370	(15000)				1.37	II	3190	(14200)	30	**6175**	13	
			1.60	III	4540	(20200)				1.60	III	4280	(19100)	30	**6180**	13	
			1.77	III	4540	(20200)				1.77	III	4280	(19100)	30	**6185**	13	
			1.86	III	6380	(28400)				1.86	III	6010	(26700)	30	**6190**	13	C.F.
			2.19	III	6380	(28400)				2.19	III	6010	(26700)	30	**6195**	13	C.F.
96.7	18300	(2060)	1.02	I	3100	(13800)	117	15100	(1710)	1.03	I	2940	(13100)	30	**6165**	15	
			1.16	I	3510	(15600)				1.16	I	3330	(14800)	30	**6170**	15	
			1.37	II	3510	(15600)				1.37	II	3330	(14800)	30	**6175**	15	
			1.47	II	4780	(21300)				1.47	II	4510	(20100)	30	**6180**	15	
			1.77	III	4780	(21300)				1.77	III	4510	(20100)	30	**6185**	15	
			1.86	III	6700	(29800)				1.86	III	6310	(28100)	30	**6190**	15	C.F.
			2.19	III	6700	(29800)				2.19	III	6310	(28100)	30	**6195**	15	C.F.
			2.71	III	12600	(56200)				2.71	III	12000	(53200)	30	**6205**	15	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

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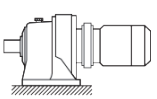
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

30 HP
22 kW



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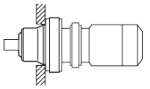

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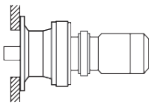

V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
85.3	20700	(2340)	0.86	-	3170	(14100)	103	17200	(1940)	0.86	-	3020	(13400)	30	**6165**	17	
			0.89	-	3650	(16200)				0.89	-	3460	(15400)	30	**6170**	17	
			1.09	I	3650	(16200)				1.09	I	3460	(15400)	30	**6175**	17	
			1.39	II	5040	(22400)				1.39	II	4760	(21200)	30	**6180**	17	
			1.74	III	5040	(22400)				1.77	III	4760	(21200)	30	**6185**	17	
			1.86	III	7060	(31400)				1.86	III	6650	(29600)	30	**6190**	17	C.F.
			2.19	III	7060	(31400)				2.19	III	6650	(29600)	30	**6195**	17	C.F.
69.0	25600	(2890)	1.07	I	3920	(17500)	83.3	21200	(2400)	1.09	I	3720	(16600)	30	**6175**	21	
			1.36	II	5400	(24000)				1.36	II	5100	(22700)	30	**6180**	21	
			1.73	III	5400	(24000)				1.77	III	5100	(22700)	30	**6185**	21	
			1.86	III	7590	(33700)				1.86	III	7150	(31800)	30	**6190**	21	
			2.19	III	7590	(33700)				2.19	III	7150	(31800)	30	**6195**	21	
			2.69	III	14100	(62900)				2.69	III	13400	(59500)	30	**6205**	21	C.F.
58.0	30500	(3440)	0.89	-	4030	(17900)	70.0	25200	(2850)	0.89	-	3830	(17000)	30	**6175**	25	
			1.09	I	5590	(24900)				1.09	I	5280	(23500)	30	**6180**	25	
			1.37	II	5590	(24900)				1.37	II	5280	(23500)	30	**6185**	25	
			1.60	III	7930	(35300)				1.60	III	7470	(33200)	30	**6190**	25	
			1.84	III	7930	(35300)				1.84	III	7470	(33200)	30	**6195**	25	
50.0	35300	(3990)	1.09	I	5820	(25900)	60.3	29300	(3310)	1.09	I	5510	(24500)	30	**6185**	29	
			1.40	II	8320	(37000)				1.40	II	7840	(34900)	30	**6190**	29	
			1.72	III	8320	(37000)				1.72	III	7840	(34900)	30	**6195**	29	
			2.08	III	15400	(68500)				2.08	III	14600	(64900)	30	**6205**	29	C.F.
			2.66	III	15700	(70000)				2.66	III	14900	(66200)	30	**6215**	29	C.F.
41.4	42600	(4820)	1.03	I	6190	(27500)	50.0	35300	(3990)	1.03	I	5850	(26000)	30	**6185**	35	
			1.10	I	8760	(39000)				1.10	I	8260	(36700)	30	**6190**	35	
			1.37	II	8760	(39000)				1.37	II	8260	(36700)	30	**6195**	35	
33.7	52400	(5920)	0.84	-	6540	(29100)	40.7	43400	(4900)	0.86	-	6210	(27600)	30	**6185**	43	
			0.95	-	9390	(41800)				0.95	-	8860	(39400)	30	**6190**	43	
			1.23	I	9390	(41800)				1.37	II	8860	(39400)	30	**6195**	43	
			1.45	II	17300	(77100)				1.45	II	16400	(73000)	30	**6205**	43	C.F.
			2.05	III	17700	(78700)				2.05	III	16800	(74600)	30	**6215**	43	C.F.
			2.57	III	18800	(83400)				2.57	III	17800	(79000)	30	**6225**	43	C.F.
28.4	62100	(7020)	0.95	-	9750	(43400)	34.3	51500	(5820)	0.95	-	9210	(41000)	30	**6195**	51	
24.6	71900	(8120)	0.86	-	10200	(45300)	29.7	59600	(6730)	0.86	-	9630	(42800)	30	**6195**	59	
			1.03	I	18800	(83600)				1.03	I	17800	(79200)	30	**6205**	59	
			1.54	II	19200	(85300)				1.71	III	18200	(80800)	30	**6215**	59	C.F.
			1.79	III	20300	(90500)				2.05	III	19300	(85700)	30	**6225**	59	C.F.
16.7	106000	(12000)	1.22	I	22700	(101000)	20.1	87800	(9920)	1.22	I	21500	(95700)	30	**6225**	87	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

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[2] Variable Frequency Drive Availability:

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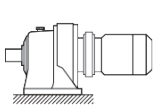
C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

30 HP
22 kW



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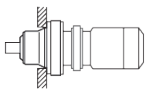

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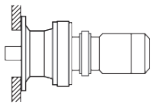


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
12.0	101000	(11400)	*	-	23400	(104000)	14.5	101000	(11400)	*	-	22600	(101000)	30	**6215DB**	121	
	119000	(13500)	*	-	25400	(113000)		116000	(13100)	1.03	I	23900	(106000)	30	**6225DB**	121	
	140000	(15800)	1.09	I	31800	(141000)				1.09	I	30100	(134000)	30	**6235DA**	121	
			1.19	I	31800	(141000)				1.43	II	30100	(134000)	30	**6235DB**	121	
			1.30	II	35400	(157000)				1.57	II	33500	(149000)	30	**6245DB**	121	
			1.74	III	43500	(193000)				2.10	III	41200	(183000)	30	**6255DB**	121	C.F.
			1.99	III	53200	(237000)				2.19	III	50300	(224000)	30	**6265DA**	121	C.F.
8.79	174000	(19600)	*	-	34000	(151000)	10.6	158000	(17800)	1.09	I	32200	(143000)	30	**6235DA**	165	
	190000	(21500)	1.09	I	37900	(169000)				1.09	I	36000	(160000)	30	**6245DA**	165	
			1.22	I	37900	(169000)				1.47	II	36000	(160000)	30	**6245DB**	165	
			1.45	II	46600	(207000)				1.75	III	44200	(196000)	30	**6255DB**	165	C.F.
			2.03	III	57000	(253000)				2.19	III	53900	(240000)	30	**6265DA**	165	C.F.
7.44	174000	(19600)	*	-	35800	(159000)	8.97	174000	(19600)	*	-	33800	(150000)	30	**6235DA**	195	
	225000	(25400)	1.03	I	39800	(177000)		186000	(21100)	1.03	I	37700	(168000)	30	**6245DA**	195	
			1.03	I	39800	(177000)				1.25	I	37700	(168000)	30	**6245DB**	195	
			1.23	I	48900	(218000)				1.37	II	46300	(206000)	30	**6255DA**	195	
			1.23	I	48900	(218000)				1.48	II	46300	(206000)	30	**6255DB**	195	C.F.
			1.72	III	59800	(266000)				2.08	III	56600	(252000)	30	**6265DA**	195	C.F.
6.28	228000	(25800)	*	-	42500	(189000)	7.58	221000	(25000)	1.03	I	40200	(179000)	30	**6245DA**	231	
	267000	(30100)	1.03	I	51900	(231000)				1.24	I	49200	(219000)	30	**6255DA**	231	
			1.53	II	62000	(276000)				1.84	III	60300	(268000)	30	**6265DA**	231	C.F.
5.31	228000	(25800)	*	-	44800	(199000)	6.41	228000	(25800)	*	-	42300	(188000)	30	**6245DA**	273	
	274000	(31000)	*	-	54600	(243000)		261000	(29500)	1.05	I	51600	(229000)	30	**6255DA**	273	
	315000	(35600)	1.29	I	62000	(276000)				1.56	II	62000	(276000)	30	**6265DA**	273	C.F.
4.55	287000	(32500)	*	-	57400	(255000)	5.49	287000	(32500)	*	-	54200	(241000)	30	**6255DA**	319	
	368000	(41600)	1.11	I	62000	(276000)		305000	(34500)	1.33	II	62000	(276000)	30	**6265DA**	319	C.F.
			1.64	III	55700	(248000)				1.98	III	55700	(248000)	30	**6275DA**	319	C.F.
3.85	407000	(46000)	*	-	62000	(276000)	4.64	361000	(40700)	1.13	I	62000	(276000)	30	**6265DA**	377	C.F.
	435000	(49200)	1.39	II	55700	(248000)				1.67	III	55700	(248000)	30	**6275DA**	377	C.F.
3.07	407000	(46000)	*	-	62000	(276000)	3.70	407000	(46000)	*	-	62000	(276000)	30	**6265DA**	473	C.F.
	546000	(61700)	1.11	I	55700	(248000)		452000	(51100)	1.33	II	55700	(248000)	30	**6275DA**	473	C.F.
2.59	604000	(68200)	*	-	55700	(248000)	3.13	535000	(60400)	1.13	I	55700	(248000)	30	**6275DA**	559	C.F.
2.23	604000	(68200)	*	-	55700	(248000)	2.70	621000	(70100)	0.97	-	55700	(248000)	30	**6275DA**	649	C.F.
1.98	604000	(68200)	*	-	55700	(248000)	2.39	604000	(68200)	*	-	55700	(248000)	30	**6275DA**	731	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

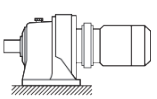
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

40 HP
30 kW



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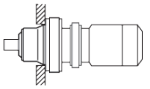

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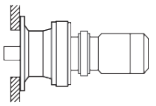


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
483	4980	(563)	1.00	I	2020	(8970)	583	4130	(467)	1.00	I	1910	(8490)	40	**6175**	3	
290	8310	(939)	1.00	I	2390	(10600)	350	6880	(778)	1.00	I	2260	(10100)	40	**6175**	5	
242	9970	(1130)	1.00	I	2530	(11300)	292	8260	(933)	1.00	I	2400	(10700)	40	**6175**	6	
181	13300	(1500)	1.00	I	2780	(12400)	219	11000	(1240)	1.00	I	2640	(11700)	40	**6175**	8	
132	18300	(2060)	1.00	I	3170	(14100)	159	15100	(1710)	1.00	I	3010	(13400)	40	**6175**	11	
			1.17	I	4320	(19200)				1.17	I	4080	(18200)	40	**6180**	11	
			1.30	II	4320	(19200)				1.30	II	4080	(18200)	40	**6185**	11	
			1.37	II	6100	(27100)				1.37	II	5740	(25500)	40	**6190**	11	C.F.
			1.60	III	6100	(27100)				1.60	III	5740	(25500)	40	**6195**	11	C.F.
			1.99	III	11700	(52200)				1.99	III	11100	(49400)	40	**6205**	11	C.F.
			2.51	III	11900	(52900)				2.51	III	11200	(50000)	40	**6215**	11	C.F.
112	21600	(2440)	1.00	I	3280	(14600)	135	17900	(2020)	1.00	I	3120	(13900)	40	**6175**	13	
			1.17	I	4480	(19900)				1.17	I	4230	(18800)	40	**6180**	13	
			1.30	II	4480	(19900)				1.30	II	4230	(18800)	40	**6185**	13	
			1.37	II	6330	(28200)				1.37	II	5970	(26500)	40	**6190**	13	
			1.60	III	6330	(28200)				1.60	III	5970	(26500)	40	**6195**	13	
96.7	24900	(2820)	1.00	I	3390	(15100)	117	20600	(2330)	1.00	I	3240	(14400)	40	**6175**	15	
			1.08	I	4700	(20900)				1.08	I	4450	(19800)	40	**6180**	15	
			1.30	II	4700	(20900)				1.30	II	4450	(19800)	40	**6185**	15	
			1.37	II	6640	(29500)				1.37	II	6260	(27800)	40	**6190**	15	
			1.60	III	6640	(29500)				1.60	III	6260	(27800)	40	**6195**	15	
			1.99	III	12600	(56000)				1.99	III	11900	(53000)	40	**6205**	15	C.F.
			2.51	III	12800	(56800)				2.51	III	12100	(53800)	40	**6215**	15	C.F.
85.3	28200	(3190)	1.02	I	4950	(22000)	103	23400	(2640)	1.02	I	4680	(20800)	40	**6180**	17	
			1.27	I	4950	(22000)				1.30	II	4680	(20800)	40	**6185**	17	
			1.37	II	6990	(31100)				1.37	II	6600	(29300)	40	**6190**	17	
			1.60	III	6990	(31100)				1.60	III	6600	(29300)	40	**6195**	17	
69.0	34900	(3940)	1.00	I	5310	(23600)	83.3	28900	(3270)	1.00	I	5030	(22400)	40	**6180**	21	
			1.27	I	5310	(23600)				1.30	II	5030	(22400)	40	**6185**	21	
			1.37	II	7520	(33500)				1.37	II	7090	(31500)	40	**6190**	21	
			1.60	III	7520	(33500)				1.60	III	7090	(31500)	40	**6195**	21	
			1.97	III	14100	(62700)				1.97	III	13300	(59300)	40	**6205**	21	C.F.
			2.51	III	14400	(64100)				2.51	III	13600	(60700)	40	**6215**	21	C.F.
58.0	41500	(4690)	1.00	I	5480	(24400)	70.0	34400	(3890)	1.00	I	5190	(23100)	40	**6185**	25	
			1.17	I	7850	(34900)				1.17	I	7410	(32900)	40	**6190**	25	
			1.35	II	7850	(34900)				1.35	II	7410	(32900)	40	**6195**	25	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

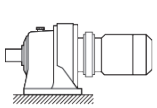
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

40 HP
30 kW



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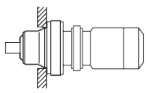

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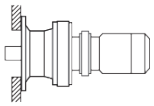


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
50.0	48200	(5440)	0.80	-	5690	(25300)	60.3	39900	(4510)	0.80	-	5400	(24000)	40	**6185**	29	
			1.02	I	8220	(36600)				1.02	I	7760	(34500)	40	**6190**	29	
			1.26	I	8220	(36600)				1.26	I	7760	(34500)	40	**6195**	29	
			1.52	II	15300	(68200)				1.52	II	14500	(64600)	40	**6205**	29	C.F.
			1.95	III	15600	(69600)				1.95	III	14800	(65900)	40	**6215**	29	C.F.
			2.51	III	16600	(73700)				2.51	III	15700	(69800)	40	**6225**	29	C.F.
41.4	58100	(6570)	1.00	I	8640	(38400)	50.0	48200	(5440)	1.00	I	8170	(36300)	40	**6195**	35	
33.7	71400	(8070)	0.90	-	9250	(41100)	40.7	59200	(6690)	1.00	I	8740	(38900)	40	**6195**	43	
			1.06	I	17200	(76600)				1.06	I	16300	(72600)	40	**6205**	43	
			1.51	II	17600	(78200)				1.51	II	16700	(74100)	40	**6215**	43	C.F.
			1.88	III	18600	(83000)				1.88	III	17700	(78600)	40	**6225**	43	C.F.
24.6	98000	(11100)	1.13	I	19000	(84600)	29.7	81200	(9180)	1.26	I	18000	(80300)	40	**6215**	59	
			1.31	II	20200	(89800)				1.51	II	19100	(85200)	40	**6225**	59	C.F.
12.0	119000	(13500)	*	-	25400	(113000)	14.5	119000	(13500)	*	-	23900	(106000)	40	**6225DB**	121	
	166000	(18700)	*	-	31600	(141000)		158000	(17800)	1.05	I	29900	(133000)	40	**6235DB**	121	
	182000	(20500)	*	-	35200	(156000)				1.15	I	33300	(148000)	40	**6245DB**	121	
	190000	(21500)	1.28	I	43200	(192000)				1.54	II	40900	(182000)	40	**6255DB**	121	C.F.
			1.46	II	53000	(236000)				1.60	III	50200	(223000)	40	**6265DA**	121	C.F.
8.79	174000	(19600)	*	-	34000	(151000)	10.6	174000	(19600)	*	-	32100	(143000)	40	**6235DB**	165	
	232000	(26200)	*	-	37700	(168000)		215000	(24300)	1.08	I	35700	(159000)	40	**6245DB**	165	
	260000	(29300)	1.06	I	46300	(206000)				1.28	I	43900	(195000)	40	**6255DB**	165	C.F.
			1.49	II	56700	(252000)				1.60	III	53700	(239000)	40	**6265DA**	165	C.F.
7.44	232000	(26200)	*	-	39700	(177000)	8.97	232000	(26200)	*	-	37500	(167000)	40	**6245DB**	195	
	276000	(31200)	*	-	48700	(216000)		254000	(28700)	1.00	I	46000	(205000)	40	**6255DA**	195	C.F.
			*	-	48700	(216000)				1.08	I	46000	(205000)	40	**6255DB**	195	
	307000	(34700)	1.26	I	59500	(265000)				1.52	II	56300	(251000)	40	**6265DA**	195	
6.28	228000	(25800)	*	-	42500	(189000)	7.58	228000	(25800)	*	-	40100	(179000)	40	**6245DB**	231	
	274000	(31000)	*	-	51800	(231000)		274000	(31000)	*	-	48900	(218000)	40	**6255DA**	231	
	364000	(41100)	1.12	I	62000	(276000)		301000	(34000)	1.35	II	60000	(267000)	40	**6265DA**	231	C.F.
5.31	274000	(31000)	*	-	54600	(243000)	6.41	274000	(31000)	*	-	51500	(229000)	40	**6255DA**	273	
	407000	(46000)	*	-	62000	(276000)		356000	(40200)	1.14	I	62000	(276000)	40	**6265DA**	273	
4.55	407000	(46000)	*	-	62000	(276000)	5.49	416000	(47000)	0.98	-	62000	(276000)	40	**6265DA**	319	C.F.
	502000	(56700)	1.20	I	55700	(248000)				1.45	II	55700	(248000)	40	**6275DA**	319	C.F.
3.85	407000	(46000)	*	-	62000	(276000)	4.64	407000	(46000)	*	-	62000	(276000)	40	**6265DA**	377	
	593000	(67000)	1.02	I	55700	(248000)		492000	(55500)	1.23	I	55700	(248000)	40	**6275DA**	377	
3.07	604000	(68200)	*	-	55700	(248000)	3.70	617000	(69700)	0.98	-	55700	(248000)	40	**6275DA**	473	C.F.
2.59	604000	(68200)	*	-	55700	(248000)	3.13	604000	(68200)	*	-	55700	(248000)	40	**6275DA**	559	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

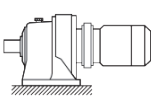
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

50 HP
37 kW



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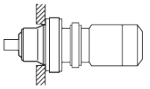

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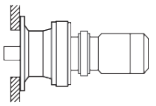


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	(N•m)	SF	AGMA Class	lbs	(N)		in•lbs	(N•m)	SF	AGMA Class	lbs	(N)	Motor Power Code	Frame Size	Ratio	
132	22500	(2550)	1.05	I	4280	(19000)	159	18700	(2110)	1.05	I	4040	(18000)	50	**6185**	11	
			1.11	I	6060	(27000)				1.11	I	5710	(25400)	50	**6190**	11	
			1.30	II	6060	(27000)				1.30	II	5710	(25400)	50	**6195**	11	
			1.61	III	11700	(52000)				1.61	III	11100	(49300)	50	**6205**	11	C.F.
			2.04	III	11900	(52700)				2.04	III	11200	(49900)	50	**6215**	11	C.F.
			2.69	III	12600	(56000)				2.69	III	11900	(53000)	50	**6225**	11	C.F.
112	26600	(3010)	1.05	I	4430	(19700)	135	22100	(2490)	1.05	I	4190	(18600)	50	**6185**	13	
			1.11	I	6290	(28000)				1.11	I	5930	(26400)	50	**6190**	13	
			1.30	II	6290	(28000)				1.30	II	5930	(26400)	50	**6195**	13	
96.7	30700	(3470)	1.05	I	4630	(20600)	117	25500	(2880)	1.05	I	4390	(19500)	50	**6185**	15	
			1.11	I	6590	(29300)				1.11	I	6220	(27700)	50	**6190**	15	
			1.30	II	6590	(29300)				1.30	II	6220	(27700)	50	**6195**	15	
			1.61	III	12600	(55900)				1.61	III	11900	(52900)	50	**6205**	15	C.F.
			2.04	III	12700	(56600)				2.04	III	12100	(53600)	50	**6215**	15	C.F.
			2.69	III	13600	(60400)				2.69	III	12900	(57200)	50	**6225**	15	C.F.
85.3	34800	(3940)	1.03	I	4870	(21600)	103	28900	(3260)	1.05	I	4620	(20500)	50	**6185**	17	
			1.11	I	6940	(30900)				1.11	I	6550	(29100)	50	**6190**	17	
			1.30	II	6940	(30900)				1.30	II	6550	(29100)	50	**6195**	17	
69.0	43000	(4860)	1.03	I	5230	(23300)	83.3	35700	(4030)	1.05	I	4960	(22100)	50	**6185**	21	
			1.11	I	7460	(33200)				1.11	I	7040	(31300)	50	**6190**	21	
			1.30	II	7460	(33200)				1.30	II	7040	(31300)	50	**6195**	21	
			1.60	III	14000	(62500)				1.60	III	13300	(59200)	50	**6205**	21	C.F.
			2.04	III	14400	(63800)				2.04	III	13600	(60500)	50	**6215**	21	C.F.
			2.55	III	15200	(67500)				2.55	III	14400	(63900)	50	**6225**	21	C.F.
58.0	51200	(5790)	0.81	-	5380	(23900)	70.0	42400	(4800)	0.81	-	5110	(22700)	50	**6185**	25	
			0.95	-	7780	(34600)				0.95	-	7350	(32700)	50	**6190**	25	
			1.09	I	7780	(34600)				1.09	I	7350	(32700)	50	**6195**	25	
50.0	59400	(6710)	1.02	I	8140	(36200)	60.3	49200	(5560)	1.02	I	7690	(34200)	50	**6195**	29	
			1.23	I	15300	(67900)				1.23	I	14500	(64400)	50	**6205**	29	C.F.
			1.58	II	15600	(69300)				1.58	II	14800	(65700)	50	**6215**	29	C.F.
			2.04	III	16500	(73400)				2.04	III	15600	(69600)	50	**6225**	29	C.F.
41.4	71700	(8100)	0.81	-	8540	(38000)	50.0	59400	(6710)	0.81	-	8080	(35900)	50	**6195**	35	
33.7	88100	(9950)	1.22	I	17500	(77700)	40.7	73000	(8250)	1.22	I	16600	(73800)	50	**6215**	43	
			1.53	II	18600	(82500)				1.53	II	17600	(78300)	50	**6225**	43	C.F.
24.6	121000	(13700)	1.06	I	20000	(89200)	29.7	100000	(11300)	1.22	I	19000	(84700)	50	**6225**	59	
12.0	166000	(18700)	*	-	31600	(141000)	14.5	166000	(18700)	*	-	29800	(133000)	50	**6235DB**	121	
	182000	(20500)	*	-	35200	(156000)		182000	(20500)	*	-	33200	(148000)	50	**6245DB**	121	
	235000	(26500)	1.04	I	43000	(191000)		195000	(22000)	1.25	I	40700	(181000)	50	**6255DB**	121	
			1.18	I	52800	(235000)				1.30	II	50000	(222000)	50	**6265DA**	121	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

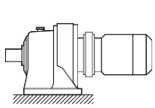
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

50 HP
37 kW



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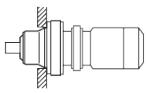

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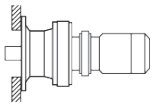


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
8.79	232000	*(26200)*	*	-	37700	*(168000)*	10.6	232000	*(26200)*	*	-	35600	*(158000)*	50	**6245DB**	165	
	276000	*(31200)*	*	-	46200	*(206000)*		265000	*(30000)*	1.04	I	43700	*(194000)*	50	**6255DB**	165	
	320000	*(36200)*	1.21	I	56500	*(251000)*				1.30	II	53500	*(238000)*	50	**6265DA**	165	
7.44	276000	*(31200)*	*	-	48700	*(216000)*	8.97	276000	*(31200)*	*	-	45900	*(204000)*	50	**6255DB**	195	
	379000	*(42800)*	1.02	I	59200	*(263000)*		314000	*(35400)*	1.23	I	56100	*(250000)*	50	**6265DA**	195	
6.28	407000	*(46000)*	*	-	62000	*(276000)*	7.58	372000	*(42000)*	1.10	I	59700	*(266000)*	50	**6265DA**	231	
5.31	407000	*(46000)*	*	-	62000	*(276000)*	6.41	407000	*(46000)*	*	-	62000	*(276000)*	50	**6265DA**	273	
4.55	619000	*(70000)*	0.97	-	55700	*(248000)*	5.49	513000	*(58000)*	1.18	I	55700	*(248000)*	50	**6275DA**	319	
3.85	604000	*(68200)*	*	-	55700	*(248000)*	4.64	606000	*(68500)*	1.00	I	55700	*(248000)*	50	**6275DA**	377	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

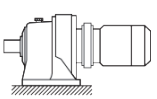
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

60 HP
45 kW



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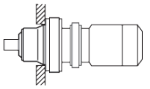

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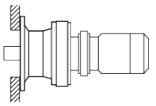


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
132	27400	*(3100)*	1.07	I	6020	*(26800)*	159	22700	*(2570)*	1.07	I	5680	*(25300)*	60	**6195**	11	
			1.33	II	11700	*(51900)*				1.33	II	11000	*(49200)*	60	**6205**	11	C.F.
			1.67	III	11800	*(52600)*				1.67	III	11200	*(49800)*	60	**6215**	11	C.F.
			2.21	III	12500	*(55800)*				2.21	III	11900	*(52800)*	60	**6225**	11	C.F.
112	32400	*(3660)*	1.07	I	6230	*(27700)*	135	26800	*(3030)*	1.07	I	5890	*(26200)*	60	**6195**	13	
96.7	37400	*(4220)*	1.07	I	6520	*(29000)*	117	31000	*(3500)*	1.07	I	6170	*(27400)*	60	**6195**	15	
			1.33	II	12500	*(55700)*				1.33	II	11900	*(52800)*	60	**6205**	15	C.F.
			1.67	III	12700	*(56500)*				1.67	III	12000	*(53500)*	60	**6215**	15	C.F.
			2.21	III	13500	*(60200)*				2.21	III	12800	*(57000)*	60	**6225**	15	C.F.
85.3	42400	*(4790)*	0.91	-	6870	*(30600)*	103	35100	*(3970)*	0.91	-	6500	*(28900)*	60	**6190**	17	
			1.07	I	6870	*(30600)*				1.07	I	6500	*(28900)*	60	**6195**	17	
69.0	52300	*(5910)*	0.91	-	7390	*(32900)*	83.3	43400	*(4900)*	0.91	-	6980	*(31100)*	60	**6190**	21	
			1.07	I	7390	*(32900)*				1.07	I	6980	*(31100)*	60	**6195**	21	
			1.32	II	14000	*(62200)*				1.32	II	13300	*(59000)*	60	**6205**	21	C.F.
			1.67	III	14300	*(63600)*				1.67	III	13500	*(60300)*	60	**6215**	21	C.F.
			2.09	III	15100	*(67200)*				2.09	III	14300	*(63700)*	60	**6225**	21	C.F.
58.0	62300	*(7040)*	0.90	-	7700	*(34200)*	70.0	51600	*(5830)*	0.90	-	7280	*(32400)*	60	**6195**	25	
50.0	72300	*(8170)*	0.84	-	8040	*(35700)*	60.3	59900	*(6770)*	0.84	-	7610	*(33900)*	60	**6195**	29	
			1.01	I	15200	*(67600)*				1.01	I	14400	*(64100)*	60	**6205**	29	C.F.
			1.30	II	15500	*(68900)*				1.30	II	14700	*(65400)*	60	**6215**	29	C.F.
			1.67	III	16400	*(73100)*				1.67	III	15600	*(69300)*	60	**6225**	29	C.F.
33.7	107000	*(12100)*	1.00	I	17400	*(77200)*	40.7	88800	*(10000)*	1.00	I	16500	*(73300)*	60	**6215**	43	
			1.26	I	18400	*(82000)*				1.26	I	17500	*(77800)*	60	**6225**	43	C.F.
12.0	243000	*(27500)*	*	-	42900	*(191000)*	14.5	237000	*(26700)*	1.03	I	40500	*(180000)*	60	**6255DB**	121	
	286000	*(32300)*	0.97	-	52600	*(234000)*				1.07	I	49800	*(222000)*	60	**6265DA**	121	
8.79	390000	*(44000)*	0.99	-	56200	*(250000)*	10.6	323000	*(36500)*	1.07	I	53300	*(237000)*	60	**6265DA**	165	
7.44	387000	*(43700)*	*	-	59200	*(263000)*	8.97	381000	*(43100)*	1.01	I	55800	*(248000)*	60	**6265DA**	195	
6.28	407000	*(46000)*	*	-	62000	*(276000)*	7.58	407000	*(46000)*	*	-	59600	*(265000)*	60	**6265DA**	231	
4.55	604000	*(68200)*	*	-	55700	*(248000)*	5.49	624000	*(70500)*	0.97	-	55700	*(248000)*	60	**6275DA**	319	

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

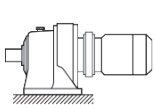
[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Selection Tables

75 HP
55 kW



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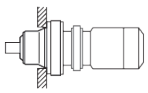

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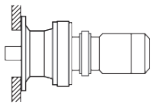


V

Dimension Pages:

Foot Mount (H)	2.100 - 2.129
V-Flange Mount (V)	2.130 - 2.159
F-Flange Mount (F)	2.160 - 2.189

Frequency	50 Hz	60 Hz
Input Speed	1450 RPM	1750 RPM
Number of Poles	4	

50 Hz							60 Hz							Selection			
Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Output Speed (RPM)	Output Torque		Service Factor[1]		Solid Shaft Overhung Load		Base			VFD[2]
	in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*		in•lbs	*(N•m)*	SF	AGMA Class	lbs	*(N)*	Motor Power Code	Frame Size	Ratio	
132	33500	*(3790)*	1.09	I	11600	*(51700)*	159	27800	*(3140)*	1.09	I	11000	*(49000)*	75	**6205**	11	C.F.
			1.37	II	11800	*(52400)*				1.37	II	11200	*(49700)*	75	**6215**	11	C.F.
			1.81	III	12500	*(55600)*				1.81	III	11800	*(52700)*	75	**6225**	11	C.F.
96.7	45700	*(5160)*	1.09	I	12500	*(55500)*	117	37900	*(4280)*	1.09	I	11800	*(52600)*	75	**6205**	15	C.F.
			1.37	II	12600	*(56200)*				1.37	II	12000	*(53300)*	75	**6215**	15	C.F.
			1.81	III	13500	*(60000)*				1.81	III	12800	*(56900)*	75	**6225**	15	C.F.
69.0	64000	*(7230)*	1.08	I	13900	*(61900)*	83.3	53000	*(5990)*	1.08	I	13200	*(58700)*	75	**6205**	21	C.F.
			1.37	II	14200	*(63300)*				1.37	II	13500	*(60000)*	75	**6215**	21	C.F.
			1.71	III	15000	*(66900)*				1.71	III	14300	*(63400)*	75	**6225**	21	C.F.
50.0	88300	*(9980)*	1.06	I	15400	*(68500)*	60.3	73200	*(8270)*	1.06	I	14600	*(65000)*	75	**6215**	29	C.F.
			1.37	II	16300	*(72700)*				1.37	II	15500	*(69000)*	75	**6225**	29	C.F.
33.7	131000	*(14800)*	1.03	I	18300	*(81400)*	40.7	109000	*(12300)*	1.03	I	17400	*(77300)*	75	**6225**	43	C.F.

Notes: All 1HP+ motors require EP suffix and can be used with a VFD, unless noted per column VFD [2].

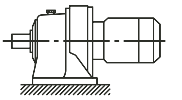
[1] Selections with service factor marked with an asterisk (*) should be limited to the identified output torque.

[2] Variable Frequency Drive Availability:

AV = AF-motor (AV suffix) option available (does not apply to EP motors [1HP+])

C.F. = Consult Factory, VFD operation needs to be reviewed.

Dimensions Integral Universal Foot Mount



CNHM01-6065DAY ▸ CNHM1-6085Y-EP

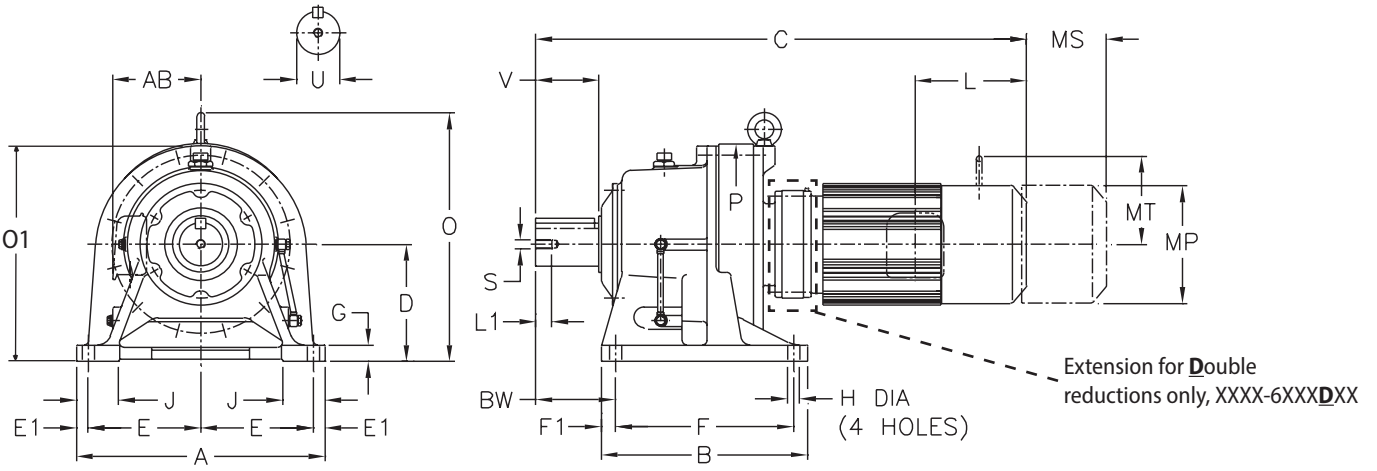


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CNHM units are greased life units, and can be mounted in any position.
Dimensions are in inches (mm)

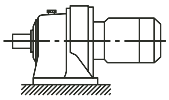
Model CNHM, PHHM	A	B	D	E	E1	F	F1	G	H	J	P	BW
6060Y 6065Y	5.67 (144)	3.31 (84)	3.150 (80)	2.36 (60)	0.47 (12)	2.36 (60)	0.47 (12)	0.39 (10)	0.35 (9)	1.89 (48)	4.33 (110)	1.61 (41)
6070Y 6075Y	5.67 (144)	3.31 (84)	3.150 (80)	2.36 (60)	0.47 (12)	2.36 (60)	0.47 (12)	0.39 (10)	0.35 (9)	1.89 (48)	4.33 (110)	1.61 (47)
6080Y 6085Y	5.67 (144)	3.90 (99)	3.543 (90)	2.36 (60)	0.47 (12)	2.95 (75)	0.47 (12)	0.51 (13)	0.35 (9)	1.93 (49)	5.28 (134)	2.05 (52)

All dimensions are in inches (mm)

Model CNHM, PHHM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6060Y 6065Y	0.50 (12.7)	0.98 (25)	10-32UNF	0.63 (16)	1/8 X 1/8 X 0.79 (3.175 x 3.175 x 20.07)
6070Y 6075Y	0.75 (19.05)	1.18 (30)	12-28UNF	0.63 (16)	3/16 X 3/16 X 1.18 (4.762 x 4.762 x 30)
6080Y 6085Y	0.875 (22.23)	1.38 (35)	12-28UNF	0.63 (16)	3/16 X 3/16 X 1.18 (4.762 x 4.762 x 30)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified.
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Universal Foot Mount

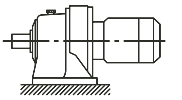
CNHM01-6065DAY ▸ CNHM1-6085Y-EP

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CNHM01-6065DAY	1/8 x 4 (0.1 x 4)	-	-	4.63 (118)	10.20 (259)	1.38 (35)	ø4.69 (ø119)	17 (8)	11.57 (294)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	20 (9)
CNHM01-6065Y-AV		-	-		10.55 (268)	2.32 (59)	ø4.88 (ø124)	16 (7)	11.81 (300)	3.58 (91)		2.40 (61)		19 (9)
CNHM01-6065DAY-AV		-	-		11.85 (301)			19 (9)	13.11 (333)					22 (10)
CNHM01-6065Y		-	-		8.90 (226)	1.38 (35)	ø4.69 (ø119)	13 (6)	10.28 (261)	2.76 (70)		1.93 (49)		17 (8)
CNHM02-6065Y	1/4 x 4 (0.2 x 4)	-	-		10.55 (268)	2.32 (59)	ø4.88 (ø124)	16 (7)	11.81 (300)	3.58 (91)		2.40 (61)		19 (9)
CNHM02-6065Y-AV		-	-		11.34 (288)			19 (9)	12.60 (320)					22 (10)
CNHM03-6065Y	1/3 x 4 (0.25 x 4)	-	-		10.55 (268)			16 (7)	11.81 (300)					19 (9)
CNHM03-6065Y-AV		-	-		11.34 (288)			19 (9)	12.60 (320)					22 (10)
CNHM01-6075DAY	1/8 x 4 (0.1 x 4)	-	-	4.63 (118)	10.43 (265)	1.38 (35)	ø4.69 (ø119)	18 (8)	11.81 (300)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	21 (10)
CNHM01-6075Y-AV		-	-		10.79 (274)	2.32 (59)	ø4.88 (ø124)	16 (7)	12.05 (306)	3.58 (91)		2.40 (61)		19 (9)
CNHM01-6075DAY-AV		-	-		12.09 (307)			20 (9)	13.35 (339)					23 (11)
CNHM01-6075Y		-	-		9.13 (232)	1.38 (35)	ø4.69 (ø119)	13 (6)	10.51 (267)	2.76 (70)		1.93 (49)		17 (8)
CNHM02-6075Y	1/4 x 4 (0.2 x 4)	-	-		10.79 (274)	2.32 (59)	ø4.88 (ø124)	16 (7)	12.05 (306)	3.58 (91)		2.40 (61)		19 (9)
CNHM02-6075Y-AV		-	-		11.57 (294)			19 (9)	12.83 (326)					22 (10)
CNHM02-6075DAY		-	-		12.09 (307)			20 (9)	13.35 (339)					23 (11)
CNHM02-6075DAY-AV		-	-		12.87 (327)			23 (11)	14.13 (359)					26 (12)
CNHM03-6075Y	1/3 x 4 (0.25 x 4)	-	-		10.79 (274)			16 (7)	12.05 (306)					19 (9)
CNHM03-6075Y-AV		-	-		11.57 (294)			19 (9)	12.83 (326)					22 (10)
CNHM05-6075Y	1/2 x 4 (0.4 x 4)	-	-					19 (9)						22 (10)
CNHM01-6085Y	1/8 x 4 (0.1 x 4)	-	-	4.63 (118)	10.16 (258)	1.38 (35)	ø4.69 (ø119)	23 (11)	11.54 (293)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	26 (12)
CNHM01-6085Y-AV		-	-		11.81 (300)	2.32 (59)	ø4.88 (ø124)	25 (12)	13.07 (332)	3.58 (91)		2.40 (61)		28 (13)
CNHM02-6085Y	1/4 x 4 (0.2 x 4)	-	-					25 (12)						28 (13)
CNHM02-6085Y-AV		-	-		12.60 (320)			28 (13)	13.86 (352)					31 (14)
CNHM03-6085Y	1/3 x 4 (0.25 x 4)	-	-		11.81 (300)			25 (12)	13.07 (332)					28 (13)
CNHM03-6085Y-AV		-	-		12.60 (320)			28 (13)	13.86 (352)					31 (14)
CNHM05-6085Y	1/2 x 4 (0.4 x 4)	-	-					28 (13)						31 (14)
CNHM05-6085Y-AV		7.95 (202)	-	5.67 (144)	14.21 (361)	3.82 (97)	ø5.94 (ø151)	35 (16)	15.91 (404)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	41 (19)
CNHM08-6085Y	3/4 x 4 (0.55 x 4)	-	-					33 (15)						38 (18)
CNHM1-6085Y-EP	1 x 4 (0.75 x 4)	7.95 (202)	-	5.98 (152)	15.85 (403)		□6.22 (□158)	46 (21)	18.35 (466)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	55 (25)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Universal Foot Mount



CNHM01-6095Y ▸ CNHM2-6095Y-EP

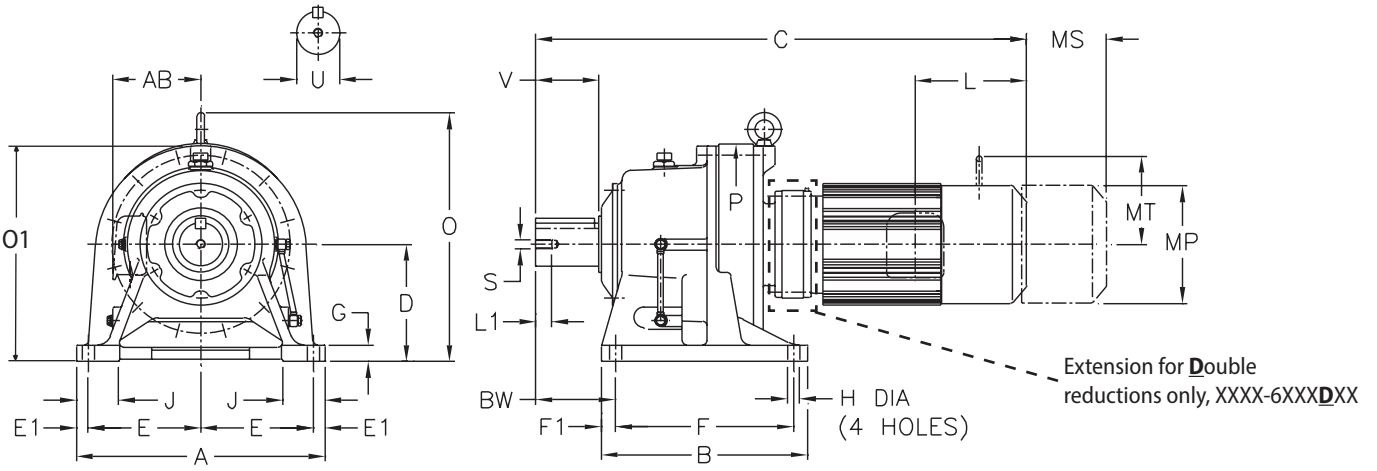


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CNHM units are greased life units, and can be mounted in any position.
Dimensions are in inches (mm)

Model CNHM, PHHM	A	B	D	E	E1	F	F1	G	H	J	P	BW
6090Y 6095Y	7.09 (180)	5.31 (135)	3.937 (100)	2.95 (75)	0.59 (15)	3.54 (90)	0.59 (15)	0.47 (12)	0.43 (11)	1.57 (65)	5.91 (175)	2.36 (60)

All dimensions are in inches (mm)

Model CNHM, PHHM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6090Y 6095Y	1.125 (28.58)	1.38 (35)	5/16-18UNC	0.79 (20)	1/4 X 1/4 X 1.18 (6.35 x 6.35 x 30)

Note: [A] Toleranced dimension, please refer to Table 1 above.

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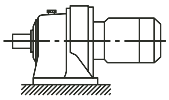


Dimensions Integral Universal Foot Mount

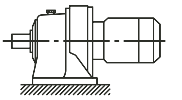
CNHM01-6095Y ▸ CNHM2-6095Y-EP

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CNHM01-6095Y	1/8 x 4 (0.1 x 4)	-	-	4.63 (118)	10.87 (276)	1.38 (35)	ø4.69 (ø119)	31 (14)	12.24 (311)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	34 (16)
CNHM01-6095Y-AV		-	-		12.52 (318)	2.32 (59)	ø4.88 (ø124)	33 (15)	13.78 (350)	3.58 (91)		2.40 (61)		36 (16)
CNHM01-6095DAY		-	-		12.76 (324)	1.38 (35)	ø4.69 (ø119)	34 (16)	14.13 (359)	2.76 (70)		1.93 (49)		38 (17)
CNHM01-6095DAY-AV		-	-		14.41 (366)	2.32 (59)	ø4.88 (ø124)	37 (17)	15.67 (398)	3.58 (91)		2.40 (61)		40 (18)
CNHM02-6095Y	1/4 x 4 (0.2 x 4)	-	-		12.52 (318)			33 (15)	13.78 (350)					36 (16)
CNHM02-6095Y-AV		-	-		13.31 (338)			36 (16)	14.57 (370)					39 (18)
CNHM02-6095DAY		-	-		14.41 (366)			37 (17)	15.67 (398)					40 (18)
CNHM02-6095DAY-AV		-	-		15.20 (386)			40 (18)	16.46 (418)					43 (20)
CNHM03-6095Y	1/3 x 4 (0.25 x 4)	-	-		12.52 (318)			33 (15)	13.78 (350)					36 (16)
CNHM03-6095Y-AV		-	-		13.31 (338)			36 (16)	14.57 (370)					39 (18)
CNHM03-6095DAY		-	-		14.41 (366)			37 (17)	15.67 (398)					40 (18)
CNHM03-6095DAY-AV		-	-		15.20 (386)			40 (18)	16.46 (418)					43 (20)
CNHM05-6095Y	1/2 x 4 (0.4 x 4)	-	-		13.31 (338)			36 (16)	14.57 (370)					39 (18)
CNHM05-6095Y-AV		8.35 (212)	-	5.67 (144)	14.92 (379)	3.82 (97)	ø5.94 (ø151)	43 (20)	16.61 (422)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	49 (22)
CNHM05-6095DAY		-	-	4.63 (118)	15.20 (386)	2.32 (59)	ø4.88 (ø124)	40 (18)	16.46 (418)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	43 (20)
CNHM08-6095Y	3/4 x 4 (0.55 x 4)	-	-	5.67 (144)	14.92 (379)	3.82 (97)	ø5.94 (ø151)	40 (19)	16.61 (422)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	46 (21)
CNHM08-6095Y-AV		8.54 (217)	-	5.86 (149)	16.22 (412)	3.94 (100)	ø6.30 (ø160)	51 (23)	18.66 (474)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	62 (28)
CNHM1-6095Y-EP	1 x 4 (0.75 x 4)	8.35 (212)	-	5.98 (152)	16.65 (423)	3.82 (97)	□6.22 (□158)	56 (26)	19.15 (487)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	66 (30)
CNHM1H-6095Y-EP	1.5 x 4 (1.1 x 4)	8.54 (217)	-	6.16 (156)	17.72 (450)		□6.57 (□167)	64 (29)	20.45 (520)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	75 (34)
CNHM2-6095Y-EP	2 x 4 (1.5 x 4)	8.54 (217)	-					66 (30)						78 (36)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Universal Foot Mount



CNHM01-6105DAY ▸ CNHM5-6115Y-EP

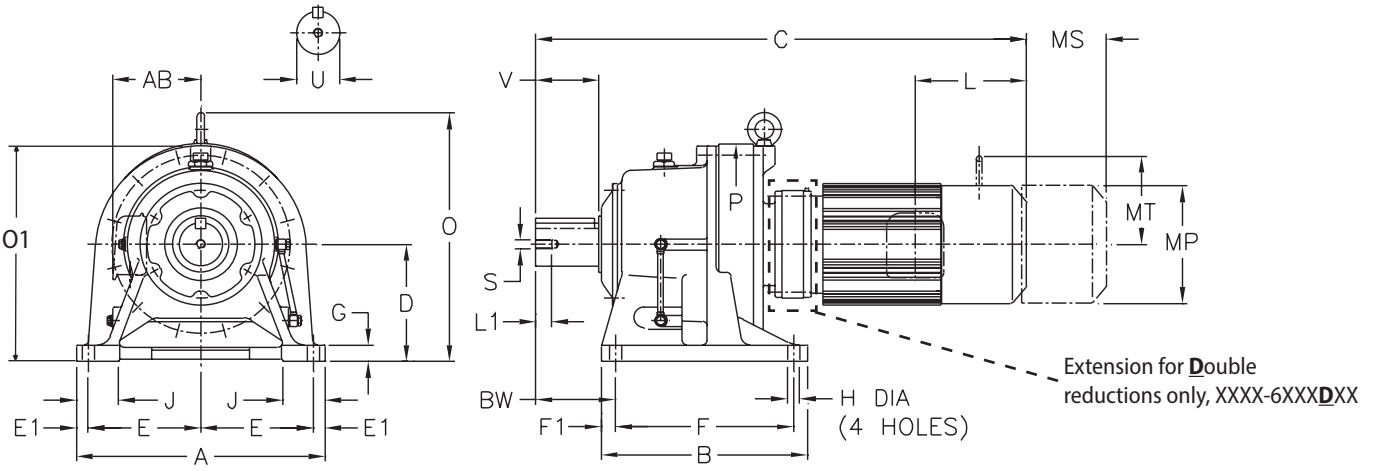


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CNHM units are greased life units, and can be mounted in any position.
Dimensions are in inches (mm)

Model CNHM, PHHM	A	B	D	E	E1	F	F1	G	H	J	P	BW
6100Y 6105Y	7.09 (180)	5.31 (135)	3.937 (100)	2.95 (75)	0.59 (15)	3.54 (90)	0.59 (15)	0.47 (12)	0.43 (11)	1.57 (40)	5.91 (150)	2.36 (60)
610HY	7.09 (180)	5.31 (135)	4.724 (120)	2.95 (75)	0.59 (15)	3.54 (90)	0.59 (15)	0.47 (12)	0.43 (11)	1.77 (45)	5.91 (150)	2.36 (60)
6110Y 6115Y	7.09 (180)	5.31 (135)	4.724 (120)	2.95 (75)	0.59 (15)	3.54 (90)	0.59 (15)	0.47 (12)	0.43 (11)	1.77 (45)	6.38 (162)	2.36 (60)

All dimensions are in inches (mm)

Model CNHM, PHHM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6100Y 6105Y	1.125 (28.58)	1.38 (35)	5/16-18UNC	0.79 (20)	1/4 X 1/4 X 1.18 (6.35 x 6.35 x 30)
610HY	1.125 (28.58)	1.38 (35)	5/16-18UNC	0.79 (20)	1/4 X 1/4 X 1.18 (6.35 x 6.35 x 30)
6110Y 6115Y	1.25 (31.75)	1.77 (45)	5/16-18UNC	0.79 (20)	1/4 x 1/4 x 1.46 (6.35 x 6.35 x 37)

Note: [A] Toleranced dimension, please refer to Table 1 above.

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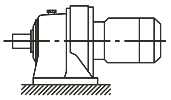
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Universal Foot Mount

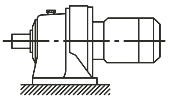
XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CNHM01-6105DAY ▸ CNHM5-6115Y-EP

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CNHM01-6105DAY	1/8 x 4 (0.1 x 4)	-	-	4.63 (118)	13.31 (338)	2.32 (59)	ø4.88 (ø124)	41 (19)	14.69 (373)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	44 (20)
CNHM01-6105DAY-AV		-	-		14.96 (380)			43 (20)	16.22 (412)					46 (21)
CNHM02-6105Y	1/4 x 4 (0.2 x 4)	-	-		13.07 (332)			37 (17)	14.33 (364)					40 (19)
CNHM02-6105Y-AV		-	-		13.86 (352)			40 (19)	15.12 (384)					43 (20)
CNHM02-6105DAY		-	-		14.96 (380)			43 (20)	16.22 (412)					46 (21)
CNHM02-6105DAY-AV		-	-		15.75 (400)			46 (21)	17.01 (432)					49 (23)
CNHM03-6105Y	1/3 x 4 (0.25 x 4)	-	-		13.07 (332)			37 (17)	14.33 (364)					40 (19)
CNHM03-6105Y-AV		-	-		13.86 (352)			40 (19)	15.12 (384)					43 (20)
CNHM03-6105DAY		-	-		14.96 (380)			43 (20)	16.22 (412)					46 (21)
CNHM03-6105DAY-AV		-	-		15.75 (400)			46 (21)	17.01 (432)					49 (23)
CNHM05-6105Y	1/2 x 4 (0.4 x 4)	-	-		13.86 (352)			40 (19)	15.12 (384)					43 (20)
CNHM05-6105Y-AV		8.35 (212)	-	5.67 (144)	15.47 (393)	3.82 (97)	ø5.94 (ø151)	48 (22)	17.17 (436)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	53 (25)
CNHM05-6105DAY		-	-	4.63 (118)	15.75 (400)	2.32 (59)	ø4.88 (ø124)	46 (21)	17.01 (432)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	49 (23)
CNHM08-6105Y	3/4 x 4 (0.55 x 4)	-	-	5.67 (144)	15.47 (393)	3.82 (97)	ø5.94 (ø151)	45 (21)	17.17 (436)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	51 (23)
CNHM08-6105Y-AV		8.54 (217)	-	5.86 (149)	16.77 (426)	3.94 (100)	ø6.30 (ø160)	56 (26)	19.21 (488)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	67 (30)
CNHM1-6105Y-EP	1 x 4 (0.75 x 4)	8.35 (212)	-	5.98 (152)	17.20 (437)	3.82 (97)	□6.22 (□158)	61 (28)	19.70 (501)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	71 (32)
CNHM1H-6105Y-EP	1.5 x 4 (1.1 x 4)	8.54 (217)	-	6.16 (156)	18.27 (464)		□6.57 (□167)	68 (31)	21.00 (534)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	80 (36)
CNHM2-6105Y-EP	2 x 4 (1.5 x 4)	8.54 (217)	-					71 (33)						83 (38)
CNHM3-6105Y-EP	3 x 4 (2.2 x 4)	8.86 (225)	-	6.71 (170)	19.09 (485)	4.53 (115)	□7.24 (□184)	87 (40)	22.17 (563)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	104 (47)
CNHM1-610HY-EP	1 x 4 (0.75 x 4)	9.13 (232)	-	5.98 (152)	17.20 (437)	3.82 (97)	□6.22 (□158)	63 (29)	19.70 (501)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	73 (33)
CNHM1H-610HY-EP	1.5 x 4 (1.1 x 4)	9.33 (237)	-	6.16 (156)	18.27 (464)		□6.57 (□167)	70 (32)	21.00 (534)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	82 (37)
CNHM2-610HY-EP	2 x 4 (1.5 x 4)	9.33 (237)	-					73 (34)						85 (39)
CNHM3-610HY-EP	3 x 4 (2.2 x 4)	9.65 (245)	-	6.71 (170)	19.09 (485)	4.53 (115)	□7.24 (□184)	89 (41)	22.17 (563)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	106 (48)
CNHM05-6115Y	1/2 x 4 (0.4 x 4)	-	-	4.63 (118)	14.25 (362)	2.32 (59)	ø4.88 (ø124)	47 (22)	15.51 (394)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	50 (23)
CNHM05-6115Y-AV		9.25 (235)	-	5.67 (144)	15.87 (403)	3.82 (97)	ø5.94 (ø151)	54 (25)	17.56 (446)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	59 (27)
CNHM08-6115Y	3/4 x 4 (0.55 x 4)	-	-					51 (23)						57 (26)
CNHM08-6115Y-AV		9.33 (237)	-	5.86 (149)	17.17 (436)	3.94 (100)	ø6.30 (ø160)	60 (28)	19.61 (498)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	71 (32)
CNHM1-6115Y-EP	1 x 4 (0.75 x 4)	9.25 (235)	-	5.98 (152)	17.60 (447)	3.82 (97)	□6.22 (□158)	65 (30)	20.10 (511)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	75 (34)
CNHM1H-6115Y-EP	1.5 x 4 (1.1 x 4)	9.33 (237)	-	6.16 (156)	18.66 (474)		□6.57 (□167)	72 (33)	21.40 (544)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	84 (38)
CNHM2-6115Y-EP	2 x 4 (1.5 x 4)	9.33 (237)	-					75 (34)						87 (40)
CNHM3-6115Y-EP	3 x 4 (2.2 x 4)	9.65 (245)	-	6.71 (170)	18.54 (471)	4.53 (115)	□7.24 (□184)	87 (40)	21.61 (549)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	104 (47)
CNHM5-6115Y-EP	5 x 4 (3.7 x 4)	10.75 (273)	-	7.34 (186)	19.61 (498)	4.65 (118)	□8.74 (□222)	113 (51)	23.17 (589)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	136 (62)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Universal Foot Mount



CNHM01-6125DBY ▸ CNHM8-612HY-EP

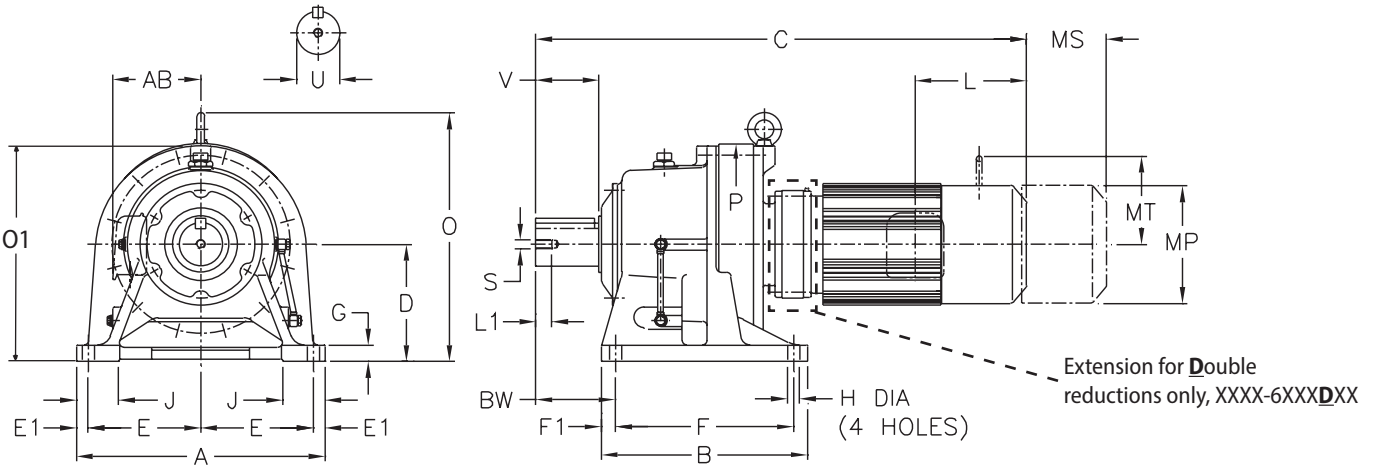


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

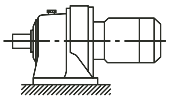
Note: CNHM units are greased life units, and can be mounted in any position.
Dimensions are in inches (mm)

Model CNHM, PHHM	A	B	D	E	E1	F	F1	G	H	J	P	BW
6120Y 6125Y	9.06 (230)	6.10 (155)	4.724 (120)	3.74 (95)	0.79 (20)	4.53 (115)	0.79 (20)	0.59 (15)	0.55 (14)	2.17 (55)	8.03 (204)	3.23 (82)
612HY	9.06 (230)	6.10 (155)	5.512 (140)	3.74 (95)	0.79 (20)	4.53 (115)	0.79 (20)	0.59 (15)	0.55 (14)	2.17 (55)	8.03 (204)	3.23 (82)

All dimensions are in inches (mm)

Model CNHM, PHHM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6120Y 6125Y	1.50 (38.1)	2.17 (55)	5/16-18UNC	0.79 (20)	3/8 x 3/8 x 1.77 (9.525 x 9.525 x 45)
612HY	1.50 (38.1)	2.17 (55)	5/16-18UNC	0.79 (20)	3/8 x 3/8 x 1.77 (9.525 x 9.525 x 45)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Universal Foot Mount

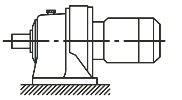
CNHM01-6125DBY ▸ CNHM8-612HY-EP

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CNHM01-6125DBY	1/8 x 4 (0.1 x 4)	-	-	4.63 (118)	15.20 (386)	2.32 (59)	ø4.88 (ø124)	70 (32)	16.57 (421)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	74 (34)
CNHM01-6125DBY-AV		-	-		16.85 (428)			72 (33)	18.11 (460)					75 (34)
CNHM02-6125DAY	1/4 x 4 (0.2 x 4)	-	-		16.38 (416)			67 (31)	17.64 (448)					70 (32)
CNHM02-6125DBY		-	-		16.85 (428)			72 (33)	18.11 (460)					75 (34)
CNHM02-6125DAY-AV		-	-		17.17 (436)			70 (32)	18.43 (468)					74 (34)
CNHM02-6125DBY-AV		-	-		17.64 (448)			75 (34)	18.90 (480)					78 (36)
CNHM03-6125DBY	1/3 x 4 (0.25 x 4)	-	-		16.85 (428)			72 (33)	18.11 (460)					75 (34)
CNHM03-6125DBY-AV		-	-		17.64 (448)			75 (34)	18.90 (480)					78 (36)
CNHM05-6125Y	1/2 x 4 (0.4 x 4)	-	-		15.24 (387)			66 (30)	16.50 (419)					69 (32)
CNHM05-6125Y-AV		10.12 (257)	-	5.67 (144)	16.65 (423)	3.82 (97)	ø5.94 (ø151)	73 (34)	18.35 (466)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	79 (36)
CNHM05-6125DBY		-	-	4.63 (118)	17.64 (448)	2.32 (59)	ø4.88 (ø124)	75 (34)	18.90 (480)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	78 (36)
CNHM05-6125DBY-AV		10.12 (257)	-	5.67 (144)	19.25 (489)	3.82 (97)	ø5.94 (ø151)	83 (38)	20.94 (532)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	88 (40)
CNHM08-6125Y	3/4 x 4 (0.55 x 4)	-	-		16.65 (423)			71 (32)	18.35 (466)					77 (35)
CNHM08-6125Y-AV		10.12 (257)	-	5.86 (149)	17.95 (456)	3.94 (100)	ø6.30 (ø160)	79 (36)	20.39 (518)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	90 (41)
CNHM08-6125DBY		-	-	5.67 (144)	19.25 (489)	3.82 (97)	ø5.94 (ø151)	80 (37)	20.94 (532)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	86 (39)
CNHM08-6125DBY-AV		10.12 (257)	-	5.86 (149)	20.55 (522)	3.94 (100)	ø6.30 (ø160)	91 (41)	22.99 (584)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	102 (46)
CNHM1-6125Y-EP	1 x 4 (0.75 x 4)	10.12 (257)	-	5.98 (152)	18.39 (467)	3.82 (97)	□6.22 (□158)	84 (38)	20.89 (531)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	94 (43)
CNHM1-6125DBY-EP		10.12 (257)	-		20.98 (533)			96 (44)	23.48 (597)					106 (48)
CNHM1H-6125Y-EP	1.5 x 4 (1.1 x 4)	10.12 (257)	-	6.16 (156)	19.45 (494)		□6.57 (□167)	91 (42)	22.19 (564)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	103 (47)
CNHM1H-6125DBY-EP		10.12 (257)	-		22.05 (560)			103 (47)	24.78 (630)					115 (52)
CNHM2-6125Y-EP	2 x 4 (1.5 x 4)	10.12 (257)	-		19.45 (494)			94 (43)	22.19 (564)					106 (48)
CNHM2-6125DBY-EP		10.12 (257)	-		22.05 (560)			106 (48)	24.78 (630)					118 (54)
CNHM3-6125Y-EP	3 x 4 (2.2 x 4)	10.12 (257)	-	6.71 (170)	18.86 (479)	4.53 (115)	□7.24 (□184)	107 (49)	21.93 (557)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	124 (56)
CNHM5-6125Y-EP	5 x 4 (3.7 x 4)	10.75 (273)	-	7.34 (186)	20.31 (516)	4.65 (118)	□8.74 (□222)	133 (60)	23.88 (607)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	156 (71)
CNHM8-6125Y-EP	7.5 x 4 (5.5 x 4)	10.75 (273)	-		22.01 (559)			166 (76)	25.57 (650)					190 (87)
CNHM1-612HY-EP	1 x 4 (0.75 x 4)	10.91 (277)	-	5.98 (152)	18.39 (467)	3.82 (97)	□6.22 (□158)	86 (39)	20.89 (531)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	96 (44)
CNHM1H-612HY-EP	1.5 x 4 (1.1 x 4)	10.91 (277)	-	6.16 (156)	19.45 (494)		□6.57 (□167)	93 (43)	22.19 (564)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	105 (48)
CNHM2-612HY-EP	2 x 4 (1.5 x 4)	10.91 (277)	-					96 (44)						108 (49)
CNHM3-612HY-EP	3 x 4 (2.2 x 4)	10.91 (277)	-	6.71 (170)	18.86 (479)	4.53 (115)	□7.24 (□184)	109 (50)	21.93 (557)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	126 (57)
CNHM5-612HY-EP	5 x 4 (3.7 x 4)	11.54 (293)	-	7.34 (186)	20.31 (516)	4.65 (118)	□8.74 (□222)	135 (61)	23.88 (607)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	159 (72)
CNHM8-612HY-EP	7.5 x 4 (5.5 x 4)	11.54 (293)	-		22.01 (559)			169 (77)	25.57 (650)					192 (88)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal Foot Mount



CHHM02-6135DAY ▸ CHHM15-6135Y-EP

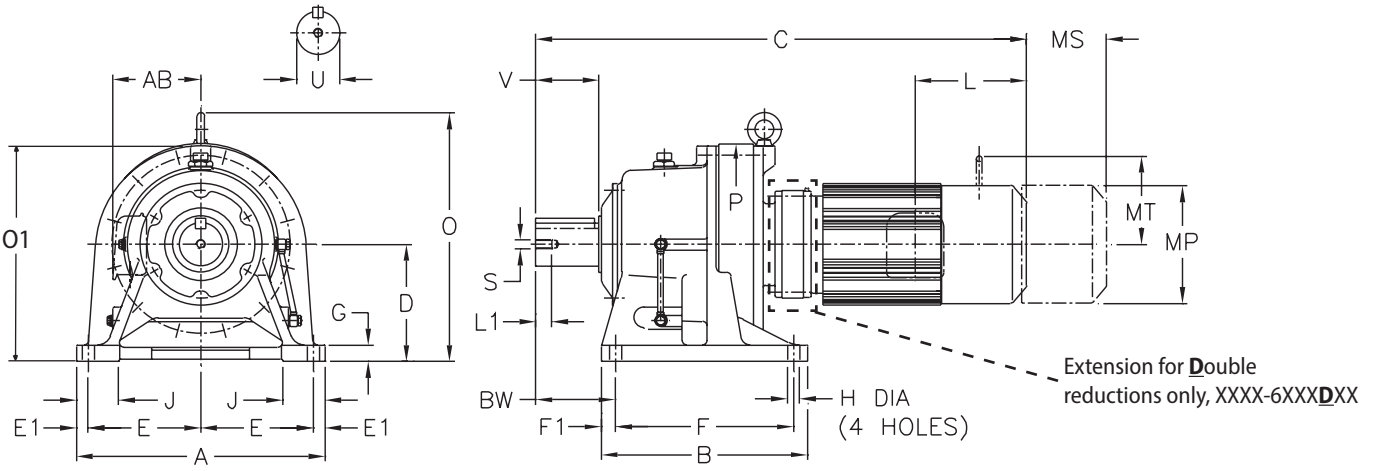


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHHM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

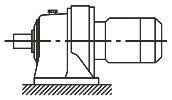
Model	A	B	D	E	E1	F	F1	G	H	J	P	BW
6130Y **6135Y**	12.99 (330)	7.68 (195)	5.906 (150)	5.71 (145)	0.79 (20)	5.71 (145)	0.98 (25)	0.87 (22)	0.71 (18)	2.56 (65)	9.06 (230)	3.94 (100)

All dimensions are in inches (mm)

Model	Low Speed Shaft				
	U[A]	V	S	L1	Key
6130Y **6135Y**	1.88 (47.625)	2.76 (70)	3/8-16UNC	0.79 (20)	1/2 x 1/2 x 2.17 (12.7 x 12.7 x 55)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified.
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Horizontal Foot Mount

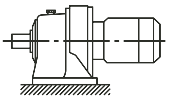
CHHM02-6135DAY ▸ CHHM15-6135Y-EP

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHHM02-6135DAY	1/4 x 4 (0.2 x 4)	-	-	4.63 (118)	18.50 (470)	2.32 (59)	ø4.88 (ø124)	100 (46)	19.76 (502)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	103 (47)
CHHM02-6135DAY-AV		-	-		19.29 (490)			103 (47)	20.55 (522)					107 (49)
CHHM02-6135DCY		-	-		19.41 (493)			110 (50)	20.67 (525)					113 (52)
CHHM02-6135DCY-AV		-	-		20.20 (513)			113 (52)	21.46 (545)					116 (53)
CHHM03-6135DCY	1/3 x 4 (0.25 x 4)	-	-		19.41 (493)			110 (50)	20.67 (525)					113 (52)
CHHM03-6135DCY-AV		-	-		20.20 (513)			113 (52)	21.46 (545)					116 (53)
CHHM05-6135DCY	1/2 x 4 (0.4 x 4)	-	-					113 (52)						116 (53)
CHHM05-6135DCY-AV		11.81 (300)	-	5.67 (144)	21.81 (554)	3.82 (97)	ø5.94 (ø151)	120 (55)	23.50 (597)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	126 (58)
CHHM08-6135Y	3/4 x 4 (0.55 x 4)	-	-		18.78 (477)			114 (52)	20.47 (520)					120 (55)
CHHM08-6135Y-AV		10.51 (267)	-	5.86 (149)	20.08 (510)	3.94 (100)	ø6.30 (ø160)	123 (56)	22.52 (572)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	134 (61)
CHHM08-6135DCY		-	-	5.67 (144)	21.81 (554)	3.82 (97)	ø5.94 (ø151)	118 (54)	23.50 (597)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	124 (56)
CHHM08-6135DCY-AV		11.81 (300)	-	5.86 (149)	23.11 (587)	3.94 (100)	ø6.30 (ø160)	129 (59)	25.55 (649)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	139 (63)
CHHM1-6135Y-EP	1 x 4 (0.75 x 4)	-	10.43 (265)	5.98 (152)	20.51 (521)	3.82 (97)	□6.22 (□158)	127 (58)	23.01 (585)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	137 (63)
CHHM1-6135DCY-EP		11.81 (300)	-		23.54 (598)			133 (61)	26.04 (662)					143 (65)
CHHM1H-6135Y-EP	1.5 x 4 (1.1 x 4)	10.51 (267)	-	6.16 (156)	21.57 (548)		□6.57 (□167)	134 (61)	24.31 (618)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	146 (66)
CHHM1H-6135DCY-EP		11.81 (300)	-		24.61 (625)			141 (64)	27.34 (695)					153 (69)
CHHM2-6135Y-EP	2 x 4 (1.5 x 4)	10.51 (267)	-		21.57 (548)			137 (63)	24.31 (618)					149 (68)
CHHM2-6135DCY-EP		11.81 (300)	-		24.61 (625)			144 (66)	27.34 (695)					155 (71)
CHHM3-6135Y-EP	3 x 4 (2.2 x 4)	10.83 (275)	-	6.71 (170)	20.98 (533)	4.53 (115)	□7.24 (□184)	149 (68)	24.06 (611)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	165 (75)
CHHM3-6135DCY-EP		11.81 (300)	-		25.43 (646)			160 (73)	28.50 (724)					177 (80)
CHHM5-6135Y-EP	5 x 4 (3.7 x 4)	11.93 (303)	-	7.34 (186)	22.24 (565)	4.65 (118)	□8.74 (□222)	173 (79)	25.81 (656)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	197 (90)
CHHM8-6135Y-EP	7.5 x 4 (5.5 x 4)	11.93 (303)	-		23.94 (608)			207 (94)	27.50 (699)					231 (105)
CHHM10-6135Y-EP	10 x 4 (7.5 x 4)	12.68 (322)	-	9.04 (230)	25.43 (646)	5.43 (138)	□10.24 (□260)	234 (106)	29.57 (751)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	278 (126)
CHHM15-6135Y-EP	15 x 4 (11 x 4)	12.68 (322)	-		27.87 (708)			247 (112)	32.01 (813)					291 (132)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal Foot Mount



CHHM02-6145DBY ▸ CHHM20-614HY-EP

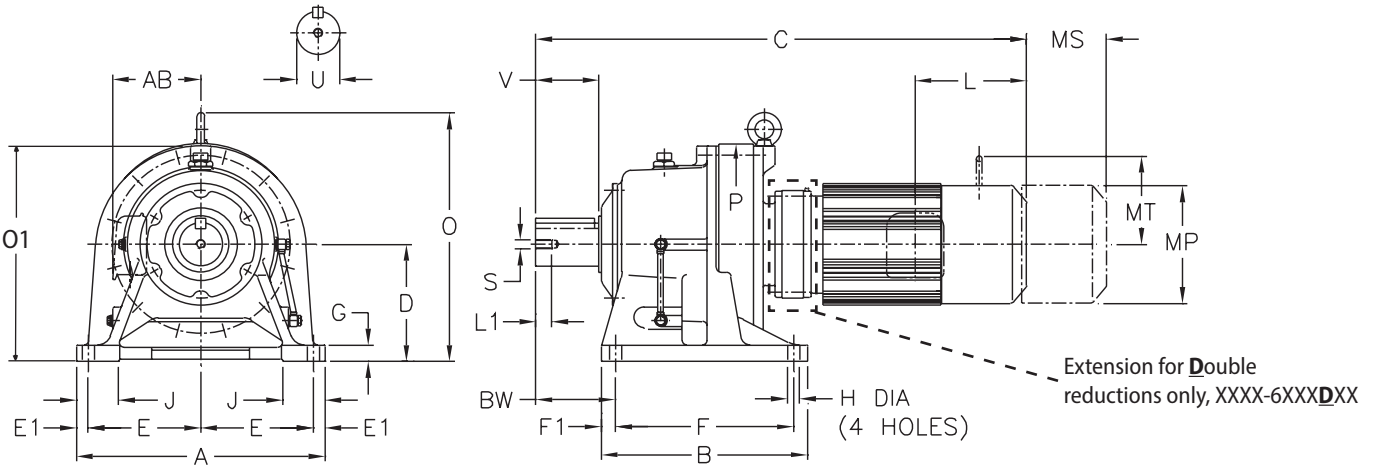


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHHM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

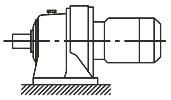
Model	A	B	D	E	E1	F	F1	G	H	J	P	BW
6140Y **6145Y**	12.99 (330)	7.68 (195)	5.906 (150)	5.71 (145)	0.79 (20)	5.71 (145)	0.98 (25)	0.87 (22)	0.71 (18)	2.56 (65)	9.06 (230)	4.72 (120)
614HY	12.99 (330)	7.68 (195)	6.299 (160)	5.71 (145)	0.79 (20)	5.71 (145)	0.98 (25)	0.87 (22)	0.71 (18)	2.76 (70)	9.06 (230)	4.72 (120)

All dimensions are in inches (mm)

Model	Low Speed Shaft				
	U[A]	V	S	L1	Key
6140Y **6145Y**	1.88 (47.625)	3.54 (90)	3/8-16UNC	0.79 (20)	1/2 x 1/2 x 2.95 (12.7 x 12.7 x 75)
614HY	1.88 (47.625)	3.54 (90)	3/8-16UNC	0.79 (20)	1/2 x 1/2 x 2.95 (12.7 x 12.7 x 75)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified.
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Horizontal Foot Mount

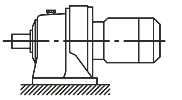
CHHM02-6145DBY ▸ CHHM20-614HY-EP

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHHM02-6145DBY	1/4 x 4 (0.2 x 4)	-	-	4.63 (118)	19.65 (499)	2.32 (59)	ø4.88 (ø124)	108 (49)	20.91 (531)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	111 (50)
CHHM02-6145DBY-AV		-	-		20.43 (519)			111 (50)	21.69 (551)					114 (52)
CHHM03-6145DBY	1/3 x 4 (0.25 x 4)	-	-		19.65 (499)			108 (49)	20.91 (531)					111 (50)
CHHM03-6145DBY-AV		-	-		20.43 (519)			111 (50)	21.69 (551)					114 (52)
CHHM05-6145DBY	1/2 x 4 (0.4 x 4)	-	-					111 (50)						114 (52)
CHHM05-6145DBY-AV		11.81 (300)	-	5.67 (144)	22.05 (560)	3.82 (97)	ø5.94 (ø151)	118 (54)	23.74 (603)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	124 (56)
CHHM08-6145DBY	3/4 x 4 (0.55 x 4)	-	-					115 (53)						121 (55)
CHHM08-6145DBY-AV		11.81 (300)	-	5.86 (149)	23.35 (593)	3.94 (100)	ø6.30 (ø160)	126 (57)	25.79 (655)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	137 (62)
CHHM1-614HY-EP	1 x 4 (0.75 x 4)	-	10.83 (275)	5.98 (152)	21.30 (541)	3.82 (97)	□6.22 (□158)	134 (61)	23.80 (605)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	144 (66)
CHHM1-6145Y-EP		-	10.43 (265)					130 (59)						139 (64)
CHHM1-6145DBY-EP		11.81 (300)	-		23.78 (604)			131 (60)	26.28 (668)					141 (64)
CHHM1H-6145Y-EP	1.5 x 4 (1.1 x 4)	10.51 (267)	-	6.16 (156)	22.36 (568)		□6.57 (□167)	136 (62)	25.10 (638)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	148 (67)
CHHM1H-6145DBY-EP		11.81 (300)	-		24.84 (631)			139 (63)	27.58 (701)					150 (68)
CHHM2-6145Y-EP	2 x 4 (1.5 x 4)	10.51 (267)	-		22.36 (568)			139 (64)	25.10 (638)					151 (69)
CHHM2-6145DBY-EP		11.81 (300)	-		24.84 (631)			141 (64)	27.58 (701)					153 (70)
CHHM2-6145DCY-EP		11.81 (300)	-		25.39 (645)			144 (66)	28.13 (715)					155 (71)
CHHM3-6145Y-EP	3 x 4 (2.2 x 4)	10.83 (275)	-	6.71 (170)	21.77 (553)	4.53 (115)	□7.24 (□184)	151 (69)	24.84 (631)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	168 (76)
CHHM3-6145DBY-EP		11.81 (300)	-		25.67 (652)			157 (72)	28.74 (730)					174 (79)
CHHM3-6145DCY-EP		11.81 (300)	-		26.22 (666)			160 (73)	29.29 (744)					177 (80)
CHHM5-6145Y-EP	5 x 4 (3.7 x 4)	11.93 (303)	-	7.34 (186)	23.03 (585)	4.65 (118)	□8.74 (□222)	175 (80)	26.59 (676)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	199 (91)
CHHM8-6145Y-EP	7.5 x 4 (5.5 x 4)	11.93 (303)	-		24.72 (628)			209 (95)	28.29 (719)					233 (106)
CHHM10-6145Y-EP	10 x 4 (7.5 x 4)	12.68 (322)	-	9.04 (230)	26.22 (666)	5.43 (138)	□10.24 (□260)	236 (107)	30.35 (771)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	280 (127)
CHHM15-6145Y-EP	15 x 4 (11 x 4)	12.68 (322)	-		28.66 (728)			249 (113)	32.80 (833)					293 (133)
CHHM20-6145Y-EP	20 x 4 (15 x 4)	12.48 (317)	-	10.26 (261)	31.10 (790)	7.01 (178)	ø12.49 (ø317)	329 (150)	36.40 (925)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	415 (189)
CHHM1H-614HY-EP	1.5 x 4 (1.1 x 4)	10.91 (277)	-	6.16 (156)	22.36 (568)	3.82 (97)	□6.57 (□167)	141 (64)	25.10 (638)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	152 (69)
CHHM2-614HY-EP	2 x 4 (1.5 x 4)	10.91 (277)	-					144 (66)						155 (71)
CHHM3-614HY-EP	3 x 4 (2.2 x 4)	11.22 (285)	-	6.71 (170)	21.77 (553)	4.53 (115)	□7.24 (□184)	155 (71)	24.84 (631)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	172 (78)
CHHM5-614HY-EP	5 x 4 (3.7 x 4)	12.32 (313)	-	7.34 (186)	23.03 (585)	4.65 (118)	□8.74 (□222)	180 (82)	26.59 (676)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	203 (93)
CHHM8-614HY-EP	7.5 x 4 (5.5 x 4)	12.32 (313)	-		24.72 (628)			214 (97)	28.29 (719)					238 (108)
CHHM10-614HY-EP	10 x 4 (7.5 x 4)	13.07 (332)	-	9.04 (230)	26.22 (666)	5.43 (138)	□10.24 (□260)	240 (109)	30.35 (771)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	285 (129)
CHHM15-614HY-EP	15 x 4 (11 x 4)	13.07 (332)	-		28.66 (728)			253 (115)	32.80 (833)					297 (135)
CHHM20-614HY-EP	20 x 4 (15 x 4)	12.87 (327)	-	10.26 (261)	31.10 (790)	7.01 (178)	ø12.49 (ø317)	334 (152)	36.40 (925)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	420 (191)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal Foot Mount



CHHM05-6165DCY ▸ CHHM30-616HY-EP

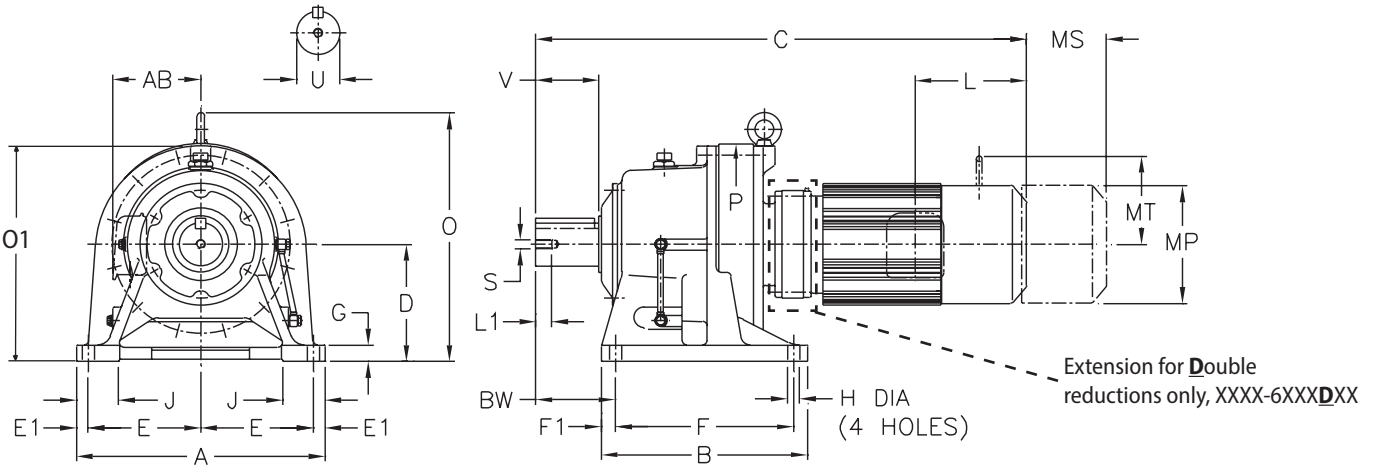


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHHM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

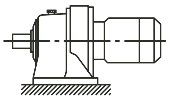
Model	A	B	D	E	E1	F	F1	G	H	J	P	BW
6160Y 6165Y	16.14 (410)	9.37 (238)	6.299 (160)	7.28 (185)	0.79 (20)	5.91 (150)	1.73 (44)	0.98 (25)	0.71 (18)	2.95 (75)	11.81 (300)	5.47 (139)
616HY	16.14 (410)	9.37 (238)	7.874 (200)	7.28 (185)	0.79 (20)	5.91 (150)	1.73 (44)	0.98 (25)	0.71 (18)	3.15 (80)	11.81 (300)	5.47 (139)

All dimensions are in inches (mm)

Model	Low Speed Shaft				
	U[A]	V	S	L1	Key
6160Y 6165Y	2.25 (57.15)	3.54 (90)	3/8-16UNC	0.79 (20)	1/2 x 1/2 x 2.95 (12.7 x 12.7 x 75)
616HY	2.25 (57.15)	3.54 (90)	3/8-16UNC	0.79 (20)	1/2 x 1/2 x 2.95 (12.7 x 12.7 x 75)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified.
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Horizontal Foot Mount

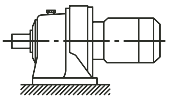
XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHHM05-6165DCY ▸ CHHM30-616HY-EP

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHHM05-6165DCY	1/2 x 4 (0.4 x 4)	-	-	4.63 (118)	23.23 (590)	2.32 (59)	ø4.88 (ø124)	221 (100)	24.49 (622)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	224 (102)
CHHM05-6165DCY-AV		13.74 (349)	-	5.67 (144)	24.65 (626)	3.82 (97)	ø5.94 (ø151)	228 (104)	26.34 (669)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	234 (106)
CHHM08-6165DCY	3/4 x 4 (0.55 x 4)	-	-					225 (102)						231 (105)
CHHM08-6165DCY-AV		13.74 (349)	-	5.86 (149)	25.94 (659)	3.94 (100)	ø6.30 (ø160)	234 (106)	28.39 (721)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	244 (111)
CHHM1-6165DCY-EP	1 x 4 (0.75 x 4)	13.74 (349)	-	5.98 (152)	26.38 (670)	3.82 (97)	□6.22 (□158)	238 (108)	28.88 (734)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	248 (113)
CHHM1H-6165Y-EP	1.5 x 4 (1.1 x 4)	-	12.20 (310)	6.16 (156)	24.25 (616)	3.82 (97)	□6.57 (□167)	219 (99)	26.99 (686)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	230 (105)
CHHM1H-6165DCY-EP		13.74 (349)	-		27.44 (697)			245 (112)	30.18 (767)					257 (117)
CHHM2-6165Y-EP	2 x 4 (1.5 x 4)	-	12.20 (310)		24.25 (616)			222 (101)	26.99 (686)					233 (106)
CHHM2-6165DCY-EP		13.74 (349)	-		27.44 (697)			248 (113)	30.18 (767)					260 (118)
CHHM3-6165Y-EP	3 x 4 (2.2 x 4)	-	12.20 (310)	6.71 (170)	23.66 (601)	4.53 (115)	□7.24 (□184)	232 (105)	26.73 (679)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	248 (113)
CHHM3-6165DCY-EP		13.74 (349)	-		26.85 (682)			261 (119)	29.92 (760)					278 (126)
CHHM5-6165Y-EP	5 x 4 (3.7 x 4)	12.32 (313)	-	7.34 (186)	25.12 (638)	4.65 (118)	□8.74 (□222)	257 (117)	28.68 (729)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	280 (127)
CHHM5-6165DCY-EP		13.74 (349)	-		28.31 (719)			287 (130)	31.87 (810)					311 (141)
CHHM8-6165Y-EP	7.5 x 4 (5.5 x 4)	12.32 (313)	-		26.81 (681)			291 (132)	30.37 (772)					314 (143)
CHHM8-6165DCY-EP		13.74 (349)	-		30.00 (762)			321 (146)	33.56 (853)					345 (157)
CHHM10-6165Y-EP	10 x 4 (7.5 x 4)	14.88 (378)	-	9.04 (230)	28.27 (718)	5.43 (138)	□10.24 (□260)	318 (145)	32.40 (823)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	363 (165)
CHHM15-6165Y-EP	15 x 4 (11 x 4)	14.88 (378)	-		30.71 (780)			331 (150)	34.84 (885)					375 (170)
CHHM20-6165Y-EP	20 x 4 (15 x 4)	15.24 (387)	-	10.26 (261)	32.99 (838)	7.01 (178)	ø12.49 (ø317)	414 (188)	38.29 (973)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	500 (227)
CHHM25-6165Y-EP	25 x 4 (18.5 x 4)	14.72 (374)	-	13.39 (340)	37.17 (944)	9.06 (230)	ø15.12 (ø384)	692 (314)	44.02 (1118)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		789 (358)
CHHM30-6165Y-EP	30 x 4 (22 x 4)	14.72 (374)	-					692 (314)						789 (358)
CHHM1H-616HY-EP	1.5 x 4 (1.1 x 4)	-	13.78 (350)	6.16 (156)	24.25 (616)	3.82 (97)	□6.57 (□167)	230 (104)	26.99 (686)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	241 (110)
CHHM2-616HY-EP	2 x 4 (1.5 x 4)	-	13.78 (350)					233 (106)						244 (111)
CHHM3-616HY-EP	3 x 4 (2.2 x 4)	-	13.78 (350)	6.71 (170)	23.66 (601)	4.53 (115)	□7.24 (□184)	243 (110)	26.73 (679)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	260 (118)
CHHM5-616HY-EP	5 x 4 (3.7 x 4)	13.90 (353)	-	7.34 (186)	25.12 (638)	4.65 (118)	□8.74 (□222)	268 (122)	28.68 (729)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	291 (132)
CHHM8-616HY-EP	7.5 x 4 (5.5 x 4)	13.90 (353)	-		26.81 (681)			302 (137)	30.37 (772)					325 (148)
CHHM10-616HY-EP	10 x 4 (7.5 x 4)	16.46 (418)	-	9.04 (230)	28.27 (718)	5.43 (138)	□10.24 (□260)	329 (150)	32.40 (823)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	374 (170)
CHHM15-616HY-EP	15 x 4 (11 x 4)	16.46 (418)	-		30.71 (780)			342 (155)	34.84 (885)					386 (175)
CHHM20-616HY-EP	20 x 4 (15 x 4)	16.81 (427)	-	10.26 (261)	32.99 (838)	7.01 (178)	ø12.49 (ø317)	425 (193)	38.29 (973)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	511 (232)
CHHM25-616HY-EP	25 x 4 (18.5 x 4)	16.30 (414)	-	13.39 (340)	37.17 (944)	9.06 (230)	ø15.12 (ø384)	703 (319)	44.02 (1118)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		800 (363)
CHHM30-616HY-EP	30 x 4 (22 x 4)	16.30 (414)	-					703 (319)						800 (363)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal Foot Mount



CHHM05-6175DCY ▸ CHHM40-6175Y-EP

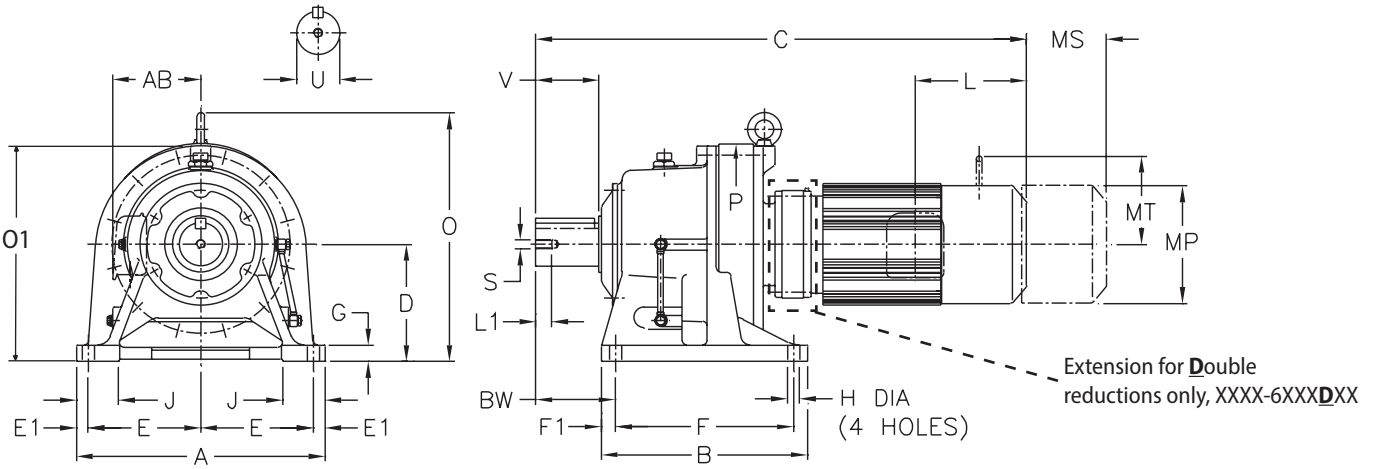


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHHM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

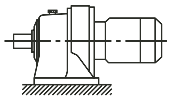
Model	A	B	D	E	E1	F	F1	G	H	J	P	BW
6170Y **6175Y**	16.93 (430)	13.19 (335)	7.874 (200)	7.48 (190)	0.98 (25)	10.83 (275)	1.18 (30)	1.18 (30)	0.87 (22)	3.15 (80)	13.39 (340)	4.92 (125)

All dimensions are in inches (mm)

Model	Low Speed Shaft				
	U[A]	V	S	L1	Key
6170Y **6175Y**	2.75 (69.85)	3.54 (90)	1/2-13UNC	0.94 (24)	5/8 x 5/8 x 3.15 (15.87 x 15.87 x 80)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified.
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Horizontal Foot Mount

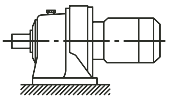
CHHM05-6175DCY ▸ CHHM40-6175Y-EP

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHHM05-6175DCY	1/2 x 4 (0.4 x 4)	-	-	4.63 (118)	25.08 (637)	2.32 (59)	ø4.88 (ø124)	296 (134)	26.34 (669)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	299 (136)
CHHM05-6175DCY-AV		16.38 (416)	-	5.67 (144)	26.50 (673)	3.82 (97)	ø5.94 (ø151)	303 (138)	28.19 (716)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	309 (140)
CHHM08-6175DCY	3/4 x 4 (0.55 x 4)	-	-					300 (136)						306 (139)
CHHM08-6175DCY-AV		16.38 (416)	-	5.86 (149)	27.80 (706)	3.94 (100)	ø6.30 (ø160)	309 (140)	30.24 (768)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	319 (145)
CHHM1-6175DAY-EP	1 x 4 (0.75 x 4)	16.38 (416)	-	5.98 (152)	27.52 (699)	3.82 (97)	□6.22 (□158)	299 (136)	30.02 (763)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	308 (140)
CHHM1-6175DCY-EP		16.38 (416)	-		28.23 (717)			313 (142)	30.73 (781)					323 (147)
CHHM1H-6175DCY-EP	1.5 x 4 (1.1 x 4)	16.38 (416)	-	6.16 (156)	29.29 (744)		□6.57 (□167)	320 (146)	32.03 (814)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	332 (151)
CHHM2-6175DAY-EP	2 x 4 (1.5 x 4)	16.38 (416)	-		28.58 (726)			309 (140)	31.32 (796)					321 (146)
CHHM2-6175DCY-EP		16.38 (416)	-		29.29 (744)			323 (147)	32.03 (814)					335 (152)
CHHM3-6175DCY-EP	3 x 4 (2.2 x 4)	16.38 (416)	-	6.71 (170)	28.70 (729)	4.53 (115)	□7.24 (□184)	336 (153)	31.77 (807)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	353 (160)
CHHM5-6175Y-EP	5 x 4 (3.7 x 4)	16.10 (409)	-	7.34 (186)	27.05 (687)	4.65 (118)	□8.74 (□222)	351 (159)	30.61 (778)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	375 (170)
CHHM5-6175DCY-EP		16.38 (416)	-		30.16 (766)			362 (164)	33.72 (857)					386 (175)
CHHM8-6175Y-EP	7.5 x 4 (5.5 x 4)	16.10 (409)	-		28.74 (730)			385 (175)	32.30 (821)					408 (186)
CHHM8-6175DCY-EP		16.38 (416)	-		31.85 (809)			396 (180)	35.41 (900)					419 (191)
CHHM10-6175Y-EP	10 x 4 (7.5 x 4)	16.57 (421)	-	9.04 (230)	29.57 (751)	5.43 (138)	□10.24 (□260)	413 (188)	33.70 (856)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	458 (208)
CHHM15-6175Y-EP	15 x 4 (11 x 4)	16.57 (421)	-		32.01 (813)			426 (194)	36.14 (918)					470 (214)
CHHM20-6175Y-EP	20 x 4 (15 x 4)	16.69 (424)	-	10.26 (261)	34.72 (882)	7.01 (178)	ø12.49 (ø317)	507 (230)	40.02 (1017)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	593 (269)
CHHM25-6175Y-EP	25 x 4 (18.5 x 4)	16.69 (424)	-	13.39 (340)	38.90 (988)	9.06 (230)	ø15.12 (ø384)	786 (357)	45.75 (1162)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		883 (401)
CHHM30-6175Y-EP	30 x 4 (22 x 4)	16.69 (424)	-					786 (357)						883 (401)
CHHM40-6175Y-EP	40 x 4 (30 x 4)	16.69 (424)	-		43.78 (1112)			899 (408)	50.63 (1286)					996 (452)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal Foot Mount



CHHM1-6185DBY-EP ▸ CHHM50-6185Y-EP

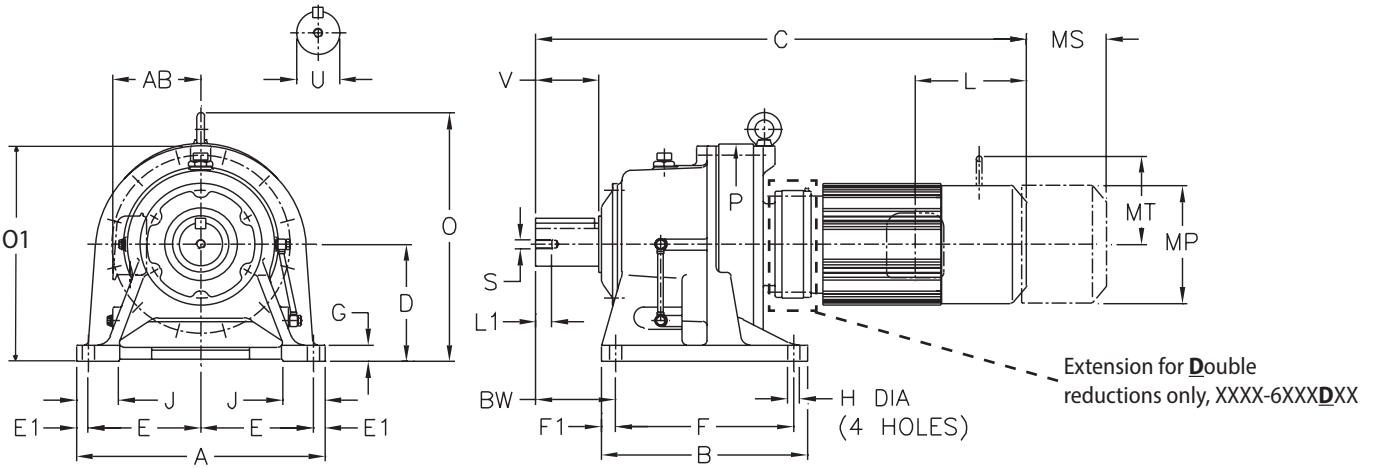


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHHM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

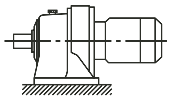
Model	A	B	D	E	E1	F	F1	G	H	J	P	BW
6180Y **6185Y**	18.50 (470)	14.96 (380)	8.661 (220)	8.27 (210)	0.98 (25)	12.60 (320)	1.18 (30)	1.18 (30)	0.87 (22)	3.35 (85)	14.57 (370)	5.71 (145)

All dimensions are in inches (mm)

Model	Low Speed Shaft				
	U[A]	V	S	L1	Key
6180Y **6185Y**	3.13 (79.375)	4.33 (110)	1/2-13UNC	0.94 (24)	3/4 x 3/4 x 3.74 (19.05 x 19.05 x 95)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified.
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Horizontal Foot Mount

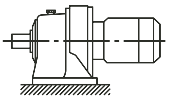
CHHM1-6185DBY-EP ▸ CHHM50-6185Y-EP

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHHM1-6185DBY-EP	1 x 4 (0.75 x 4)	17.76 (451)	-	5.98 (152)	30.59 (777)	3.82 (97)	□6.22 (□158)	436 (198)	33.09 (841)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	446 (203)
CHHM1H-6185DBY-EP	1.5 x 4 (1.1 x 4)	17.76 (451)	-	6.16 (156)	31.65 (804)		□6.57 (□167)	443 (201)	34.39 (874)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	454 (206)
CHHM2-6185DAY-EP	2 x 4 (1.5 x 4)	17.76 (451)	-		30.79 (782)			406 (185)	33.52 (852)					418 (190)
CHHM2-6185DBY-EP		17.76 (451)	-		31.65 (804)			446 (203)	34.39 (874)					457 (208)
CHHM3-6185DBY-EP	3 x 4 (2.2 x 4)	17.76 (451)	-	6.71 (170)	31.06 (789)	4.53 (115)	□7.24 (□184)	457 (208)	34.13 (867)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	474 (215)
CHHM5-6185Y-EP	5 x 4 (3.7 x 4)	17.48 (444)	-	7.34 (186)	28.50 (724)	4.65 (118)	□8.74 (□222)	431 (196)	32.07 (815)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	455 (207)
CHHM5-6185DBY-EP		17.76 (451)	-		32.32 (821)			482 (219)	35.89 (912)					505 (230)
CHHM8-6185Y-EP	7.5 x 4 (5.5 x 4)	17.48 (444)	-		30.20 (767)			465 (211)	33.76 (858)					489 (222)
CHHM8-6185DBY-EP		17.76 (451)	-		34.02 (864)			516 (234)	37.58 (955)					540 (245)
CHHM10-6185Y-EP	10 x 4 (7.5 x 4)	17.91 (455)	-	9.04 (230)	31.14 (791)	5.43 (138)	□10.24 (□260)	496 (225)	35.28 (896)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	540 (245)
CHHM10-6185DBY-EP		17.76 (451)	-		35.51 (902)			543 (246)	39.65 (1007)					587 (266)
CHHM15-6185Y-EP	15 x 4 (11 x 4)	17.91 (455)	-		33.58 (853)			508 (231)	37.72 (958)					553 (251)
CHHM15-6185DBY-EP		17.76 (451)	-		37.95 (964)			555 (252)	42.09 (1069)					599 (272)
CHHM20-6185Y-EP	20 x 4 (15 x 4)	17.83 (453)	-	10.26 (261)	36.18 (919)	7.01 (178)	ø12.49 (ø317)	588 (267)	41.48 (1054)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	674 (306)
CHHM25-6185Y-EP	25 x 4 (18.5 x 4)	17.87 (454)	-	13.39 (340)	40.35 (1025)	9.06 (230)	ø15.12 (ø384)	865 (393)	47.20 (1199)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		962 (437)
CHHM30-6185Y-EP	30 x 4 (22 x 4)	17.87 (454)	-					865 (393)						962 (437)
CHHM40-6185Y-EP	40 x 4 (30 x 4)	17.87 (454)	-		45.24 (1149)			978 (444)	52.09 (1323)					1075 (488)
CHHM50-6185Y-EP	50 x 4 (37 x 4)	17.87 (454)	-					1047 (475)	-	-	-	-		-

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal Foot Mount



CHHM1-6195DAY-EP ▸ CHHM60-6195Y-EP

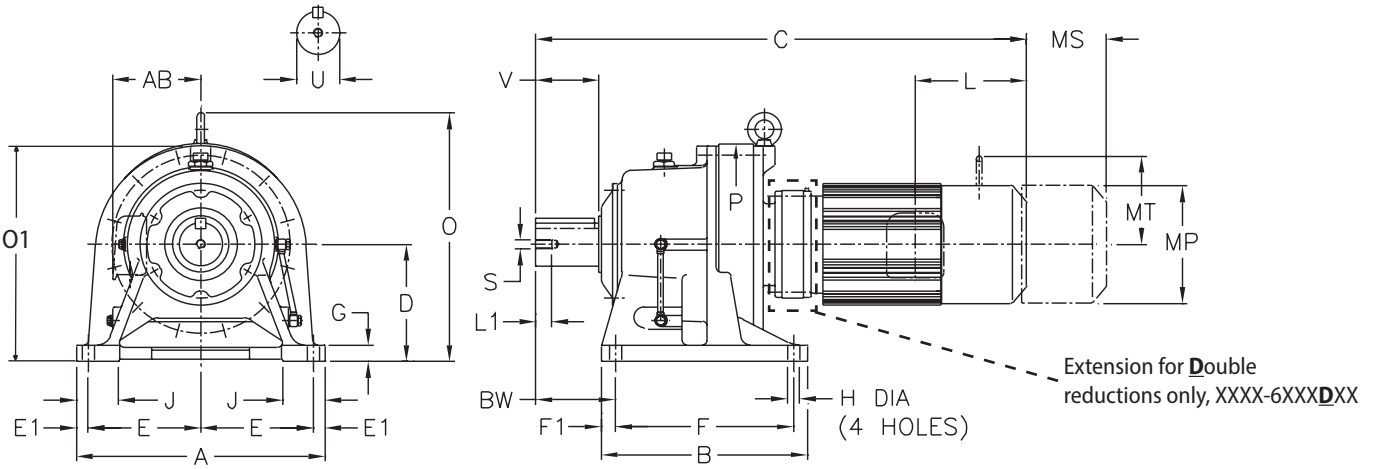


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHHM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

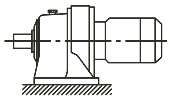
Model	A	B	D	E	E1	F	F1	G	H	J	P	BW
6190Y **6195Y**	20.87 (530)	17.32 (440)	9.843 (250)	9.45 (240)	0.98 (25)	14.96 (380)	1.18 (30)	1.38 (35)	1.02 (26)	3.54 (90)	16.93 (430)	6.69 (170)

All dimensions are in inches (mm)

Model	Low Speed Shaft				
	U[A]	V	S	L1	Key
6190Y **6195Y**	3.63 (92.075)	5.31 (135)	3/4-10UNC	1.34 (34)	7/8 x 7/8 x 4.92 (22.225 x 22.225 x 125)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified. Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Horizontal Foot Mount

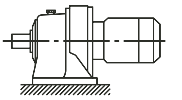
XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHHM1-6195DAY-EP ▸ CHHM60-6195Y-EP

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHHM1-6195DAY-EP	1 x 4 (0.75 x 4)	20.91 (531)	-	5.98 (152)	32.95 (837)	3.82 (97)	□6.22 (□158)	563 (255)	35.45 (901)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	572 (260)
CHHM1H-6195DAY-EP	1.5 x 4 (1.1 x 4)	20.91 (531)	-	6.16 (156)	34.02 (864)		□6.57 (□167)	569 (259)	36.75 (934)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	581 (264)
CHHM2-6195DAY-EP	2 x 4 (1.5 x 4)	20.91 (531)	-					572 (260)						584 (265)
CHHM3-6195DAY-EP	3 x 4 (2.2 x 4)	20.91 (531)	-	6.71 (170)	33.43 (849)	4.53 (115)	□7.24 (□184)	585 (266)	36.50 (927)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	602 (273)
CHHM3-6195DBY-EP		20.91 (531)	-		34.06 (865)			605 (275)	37.13 (943)					622 (282)
CHHM5-6195DAY-EP	5 x 4 (3.7 x 4)	20.91 (531)	-	7.34 (186)	34.88 (886)	4.65 (118)	□8.74 (□222)	611 (277)	38.44 (977)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	635 (288)
CHHM5-6195DBY-EP		20.91 (531)	-		35.31 (897)			629 (286)	38.88 (988)					653 (297)
CHHM8-6195Y-EP	7.5 x 4 (5.5 x 4)	19.96 (507)	-		33.78 (858)			633 (287)	37.34 (949)					656 (298)
CHHM8-6195DAY-EP		20.91 (531)	-		36.57 (929)			645 (293)	40.14 (1020)					669 (304)
CHHM8-6195DBY-EP		20.91 (531)	-		37.01 (940)			663 (301)	40.57 (1031)					687 (312)
CHHM10-6195Y-EP	10 x 4 (7.5 x 4)	20.43 (519)	-	9.04 (230)	34.02 (864)	5.43 (138)	□10.24 (□260)	663 (301)	38.15 (969)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	707 (321)
CHHM10-6195DBY-EP		20.91 (531)	-		38.50 (978)			690 (313)	42.64 (1083)					735 (333)
CHHM15-6195Y-EP	15 x 4 (11 x 4)	20.43 (519)	-		36.46 (926)			676 (307)	40.59 (1031)					720 (327)
CHHM15-6195DBY-EP		20.91 (531)	-		40.94 (1040)			703 (319)	45.08 (1145)					747 (339)
CHHM20-6195Y-EP	20 x 4 (15 x 4)	19.02 (483)	-	10.26 (261)	39.17 (995)	7.01 (178)	ø12.49 (ø317)	754 (342)	44.47 (1130)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	840 (381)
CHHM20-6195DBY-EP		20.91 (531)	-		43.39 (1102)			783 (356)	48.68 (1237)					869 (395)
CHHM25-6195Y-EP	25 x 4 (18.5 x 4)	20.87 (530)	-	13.39 (340)	43.35 (1101)	9.06 (230)	ø15.12 (ø384)	1032 (469)	50.20 (1275)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		1129 (513)
CHHM30-6195Y-EP	30 x 4 (22 x 4)	20.87 (530)	-					1032 (469)						1129 (513)
CHHM40-6195Y-EP	40 x 4 (30 x 4)	20.87 (530)	-		48.23 (1225)			1145 (520)	55.08 (1399)					1242 (564)
CHHM50-6195Y-EP	50 x 4 (37 x 4)	20.87 (530)	-					1214 (551)	-	-	-	-		-
CHHM60-6195Y-EP	60 x 4 (45 x 4)	20.51 (521)	-	16.33 (415)	49.69 (1262)	16.81 (427)	ø18.66 (ø474)	1342 (609)						-

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal Foot Mount



CHHM1-6205DAY-EP ▸ CHHM75-6205Y-EP

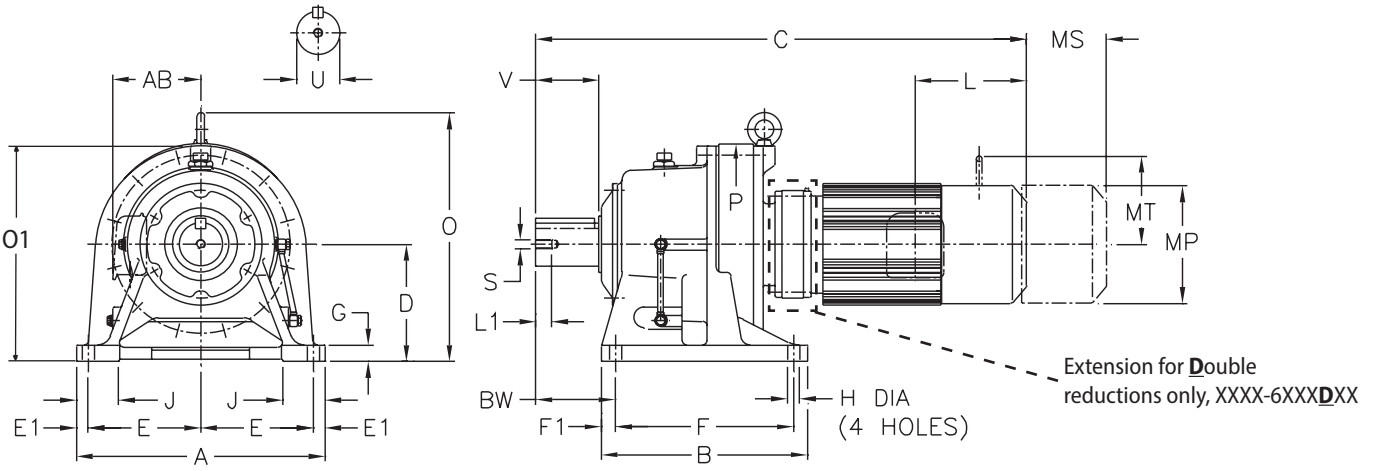


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHHM units are oil lubricated standard, must be installed as shown above.

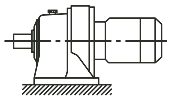
Dimensions are in inches (mm)

Model	A	B	D	E	E1	F	F1	G	H	J	P	BW
6205Y	20.87 (530)	17.32 (440)	9.843 (250)	8.66 (220)	1.77 (45)	14.17 (360)	1.57 (40)	1.38 (35)	1.02 (26)	3.94 (100)	17.64 (448)	8.46 (215)

All dimensions are in inches (mm)

Model	Low Speed Shaft				
	U[A]	V	S	L1	Key
6205Y	3.88 (98.425)	6.50 (165)	3/4-10UNC	1.34 (34)	1 x 1 x 6.5 (25.4 x 25.4 x 165)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Horizontal Foot Mount

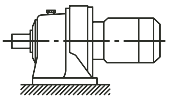
CHHM1-6205DAY-EP ▸ CHHM75-6205Y-EP

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHHM1-6205DAY-EP	1 x 4 (0.75 x 4)	20.87 (530)	-	5.98 (152)	34.57 (878)	3.82 (97)	□6.22 (□158)	604 (274)	37.07 (942)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	614 (279)
CHHM2-6205DAY-EP	2 x 4 (1.5 x 4)	20.87 (530)	-	6.16 (156)	35.63 (905)		□6.57 (□167)	614 (279)	38.37 (975)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	626 (284)
CHHM3-6205DAY-EP	3 x 4 (2.2 x 4)	20.87 (530)	-	6.71 (170)	35.04 (890)	4.53 (115)	□7.24 (□184)	627 (285)	38.11 (968)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	644 (292)
CHHM3-6205DBY-EP		20.87 (530)	-		36.10 (917)			656 (298)	39.17 (995)					673 (305)
CHHM5-6205DAY-EP	5 x 4 (3.7 x 4)	20.87 (530)	-	7.34 (186)	36.50 (927)	4.65 (118)	□8.74 (□222)	653 (296)	40.06 (1018)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	677 (307)
CHHM5-6205DBY-EP		20.87 (530)	-		37.36 (949)			680 (309)	40.93 (1040)					704 (320)
CHHM8-6205DAY-EP	7.5 x 4 (5.5 x 4)	20.87 (530)	-		38.19 (970)			687 (312)	41.75 (1061)					710 (323)
CHHM8-6205DBY-EP		20.87 (530)	-		39.06 (992)			714 (324)	42.62 (1083)					738 (335)
CHHM10-6205DBY-EP	10 x 4 (7.5 x 4)	20.87 (530)	-	9.04 (230)	40.55 (1030)	5.43 (138)	□10.24 (□260)	741 (336)	44.69 (1135)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	785 (356)
CHHM15-6205Y-EP	15 x 4 (11 x 4)	20.91 (531)	-		37.97 (965)			705 (320)	42.11 (1070)					749 (340)
CHHM15-6205DBY-EP		20.87 (530)	-		42.99 (1092)			754 (342)	47.13 (1197)					798 (362)
CHHM20-6205Y-EP	20 x 4 (15 x 4)	20.87 (530)	-	10.26 (261)	41.02 (1042)	7.01 (178)	ø12.49 (ø317)	794 (360)	46.32 (1177)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	880 (399)
CHHM20-6205DBY-EP		20.87 (530)	-		45.43 (1154)			834 (379)	50.73 (1289)					920 (418)
CHHM25-6205Y-EP	25 x 4 (18.5 x 4)	20.87 (530)	-	13.39 (340)	44.80 (1138)	9.06 (230)	ø15.12 (ø384)	1066 (484)	51.65 (1312)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		1163 (528)
CHHM30-6205Y-EP	30 x 4 (22 x 4)	20.87 (530)	-					1066 (484)						1163 (528)
CHHM40-6205Y-EP	40 x 4 (30 x 4)	20.87 (530)	-		49.69 (1262)			1179 (535)	56.54 (1436)					1276 (579)
CHHM50-6205Y-EP	50 x 4 (37 x 4)	20.87 (530)	-					1248 (566)	-	-	-	-		-
CHHM60-6205Y-EP	60 x 4 (45 x 4)	20.87 (530)	-	16.33 (415)	51.14 (1299)	16.81 (427)	ø18.66 (ø474)	1381 (627)						-
CHHM75-6205Y-EP	75 x 4 (55 x 4)	20.87 (530)	-					1461 (663)						-

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal Foot Mount



CHHM2-6215DAY-EP ▸ CHHM75-6215Y-EP

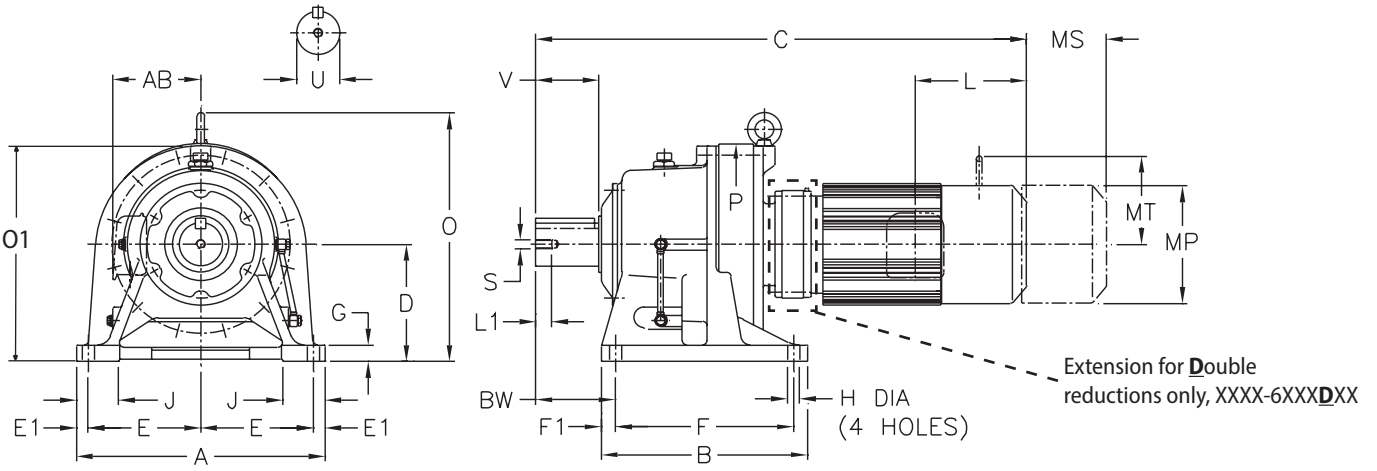


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHHM units are oil lubricated standard, must be installed as shown above.

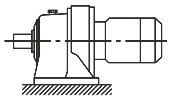
Dimensions are in inches (mm)

Model	A	B	D	E	E1	F	F1	G	H	J	P	BW
6215Y	22.83 (580)	18.70 (475)	10.433 (265)	9.45 (240)	1.97 (50)	15.55 (395)	1.57 (40)	1.57 (40)	1.02 (26)	4.33 (110)	19.09 (485)	8.27 (210)

All dimensions are in inches (mm)

Model	Low Speed Shaft				
	U[A]	V	S	L1	Key
6215Y	4.25 (107.95)	6.50 (165)	3/4-10UNC	1.34 (34)	1 x 1 x 6.5 (25.4 x 25.4 x 165)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Horizontal Foot Mount

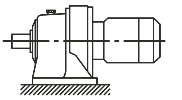
CHHM2-6215DAY-EP ▸ CHHM75-6215Y-EP

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHHM2-6215DAY-EP	2 x 4 (1.5 x 4)	22.64 (575)	-	6.16 (156)	37.72 (958)	3.82 (97)	□6.57 (□167)	823 (374)	40.45 (1028)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	834 (379)
CHHM3-6215DAY-EP	3 x 4 (2.2 x 4)	22.64 (575)	-	6.71 (170)	37.13 (943)	4.53 (115)	□7.24 (□184)	834 (379)	40.20 (1021)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	851 (386)
CHHM5-6215DAY-EP	5 x 4 (3.7 x 4)	22.64 (575)	-	7.34 (186)	38.39 (975)	4.65 (118)	□8.74 (□222)	859 (390)	41.95 (1066)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	882 (401)
CHHM5-6215DBY-EP		22.64 (575)	-		39.57 (1005)			900 (409)	43.13 (1096)					924 (419)
CHHM8-6215DAY-EP	7.5 x 4 (5.5 x 4)	22.64 (575)	-		40.08 (1018)			893 (405)	43.64 (1109)					917 (416)
CHHM8-6215DBY-EP		22.64 (575)	-		41.26 (1048)			934 (424)	44.82 (1139)					958 (435)
CHHM10-6215DAY-EP	10 x 4 (7.5 x 4)	22.64 (575)	-	9.04 (230)	41.57 (1056)	5.43 (138)	□10.24 (□260)	920 (417)	45.71 (1161)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	964 (437)
CHHM10-6215DBY-EP		22.64 (575)	-		42.72 (1085)			962 (437)	46.85 (1190)					1006 (457)
CHHM15-6215Y-EP	15 x 4 (11 x 4)	22.64 (575)	-		39.29 (998)			895 (406)	43.43 (1103)					939 (426)
CHHM15-6215DAY-EP		22.64 (575)	-		44.02 (1118)			932 (423)	48.15 (1223)					976 (443)
CHHM15-6215DBY-EP		22.64 (575)	-		45.16 (1147)			975 (442)	49.29 (1252)					1019 (462)
CHHM20-6215Y-EP	20 x 4 (15 x 4)	22.64 (575)	-	10.26 (261)	41.97 (1066)	7.01 (178)	ø12.49 (ø317)	979 (444)	47.26 (1201)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	1065 (483)
CHHM20-6215DAY-EP		22.64 (575)	-		46.46 (1180)			1013 (460)	51.75 (1315)					1099 (499)
CHHM20-6215DBY-EP		22.64 (575)	-		47.44 (1205)			1058 (480)	52.74 (1340)					1144 (519)
CHHM25-6215Y-EP	25 x 4 (18.5 x 4)	22.64 (575)	-	13.39 (340)	45.75 (1162)	9.06 (230)	ø15.12 (ø384)	1247 (566)	52.60 (1336)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		1344 (610)
CHHM25-6215DBY-EP		22.64 (575)	-		51.61 (1311)			1336 (606)	58.46 (1485)					1433 (650)
CHHM30-6215Y-EP	30 x 4 (22 x 4)	22.64 (575)	-		45.75 (1162)			1247 (566)	52.60 (1336)					1344 (610)
CHHM30-6215DBY-EP		22.64 (575)	-		51.61 (1311)			1336 (606)	58.46 (1485)					1433 (650)
CHHM40-6215Y-EP	40 x 4 (30 x 4)	22.64 (575)	-		50.63 (1286)			1360 (617)	57.48 (1460)					1457 (661)
CHHM50-6215Y-EP	50 x 4 (37 x 4)	22.64 (575)	-					1428 (648)	-	-	-	-		-
CHHM60-6215Y-EP	60 x 4 (45 x 4)	22.64 (575)	-	16.33 (415)	52.09 (1323)	16.81 (427)	ø18.66 (ø474)	1556 (706)						-
CHHM75-6215Y-EP	75 x 4 (55 x 4)	22.64 (575)	-					1636 (742)						-

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal Foot Mount



CHHM2-6225DAY-EP ▸ CHHM75-6225Y-EP

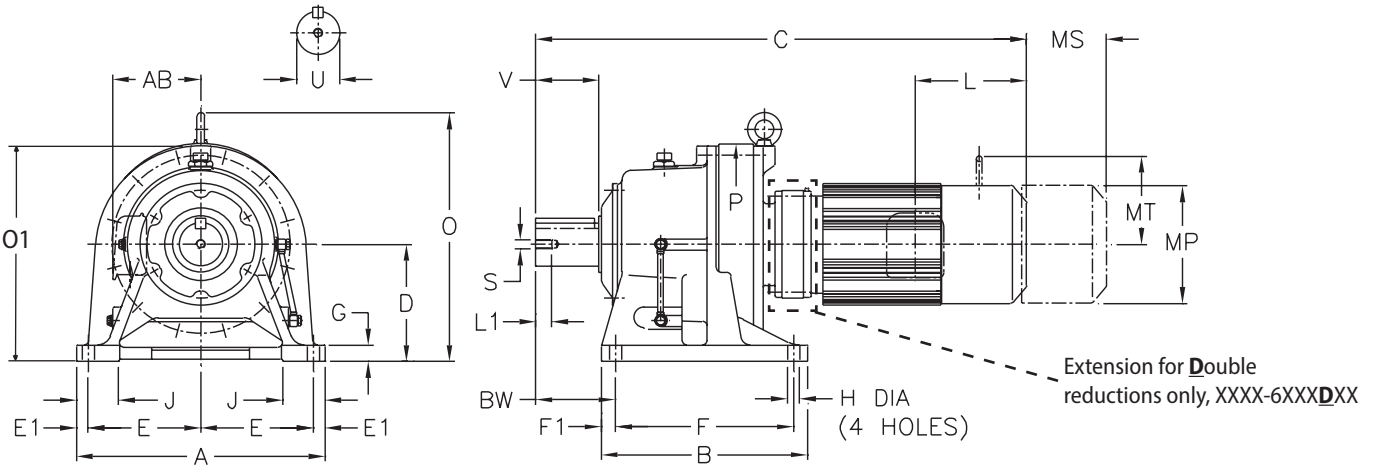


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHHM units are oil lubricated standard, must be installed as shown above.

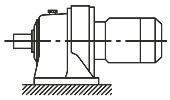
Dimensions are in inches (mm)

Model	A	B	D	E	E1	F	F1	G	H	J	P	BW
6225Y	24.41 (620)	20.47 (520)	11.024 (280)	10.63 (270)	1.57 (40)	16.54 (420)	1.97 (50)	1.57 (40)	1.30 (33)	4.53 (115)	20.71 (526)	9.06 (230)

All dimensions are in inches (mm)

Model	Low Speed Shaft				
	U[A]	V	S	L1	Key
6225Y	4.63 (117.475)	6.50 (165)	3/4-10UNC	1.34 (34)	1-1/4 x 7/8 x 6.5 (31.75 x 22.225 x 165)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Horizontal Foot Mount

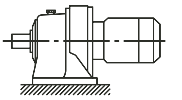
XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHHM2-6225DAY-EP ▸ CHHM75-6225Y-EP

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHHM2-6225DAY-EP	2 x 4 (1.5 x 4)	24.02 (610)	-	6.16 (156)	39.37 (1000)	3.82 (97)	□6.57 (□167)	988 (449)	42.11 (1070)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	1000 (454)
CHHM3-6225DAY-EP	3 x 4 (2.2 x 4)	24.02 (610)	-	6.71 (170)	38.78 (985)	4.53 (115)	□7.24 (□184)	1000 (454)	41.85 (1063)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	1016 (461)
CHHM5-6225DAY-EP	5 x 4 (3.7 x 4)	24.02 (610)	-	7.34 (186)	40.04 (1017)	4.65 (118)	□8.74 (□222)	1024 (465)	43.60 (1108)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	1048 (476)
CHHM5-6225DBY-EP		24.02 (610)	-		42.13 (1070)			1124 (510)	45.69 (1161)					1148 (521)
CHHM8-6225DAY-EP	7.5 x 4 (5.5 x 4)	24.02 (610)	-		41.73 (1060)			1058 (480)	45.30 (1151)					1082 (491)
CHHM8-6225DBY-EP		24.02 (610)	-		43.82 (1113)			1158 (526)	47.38 (1204)					1182 (537)
CHHM10-6225DAY-EP	10 x 4 (7.5 x 4)	24.02 (610)	-	9.04 (230)	43.23 (1098)	5.43 (138)	□10.24 (□260)	1085 (492)	47.36 (1203)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	1129 (512)
CHHM10-6225DBY-EP		24.02 (610)	-		44.65 (1134)			1187 (539)	48.78 (1239)					1232 (559)
CHHM15-6225DAY-EP	15 x 4 (11 x 4)	24.02 (610)	-		45.67 (1160)			1097 (498)	49.80 (1265)					1142 (518)
CHHM15-6225DBY-EP		24.02 (610)	-		47.09 (1196)			1200 (545)	51.22 (1301)					1244 (565)
CHHM20-6225DAY-EP	20 x 4 (15 x 4)	24.02 (610)	-	10.26 (261)	48.11 (1222)	7.01 (178)	ø12.49 (ø317)	1178 (535)	53.41 (1357)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	1264 (574)
CHHM20-6225DBY-EP		24.02 (610)	-		49.80 (1265)			1281 (581)	55.10 (1400)					1367 (620)
CHHM25-6225Y-EP	25 x 4 (18.5 x 4)	24.02 (610)	-	13.39 (340)	47.32 (1202)	9.06 (230)	ø15.12 (ø384)	1426 (647)	54.17 (1376)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		1523 (691)
CHHM25-6225DBY-EP		24.02 (610)	-		53.98 (1371)			1560 (708)	60.83 (1545)					1657 (752)
CHHM30-6225Y-EP	30 x 4 (22 x 4)	24.02 (610)	-		47.32 (1202)			1426 (647)	54.17 (1376)					1523 (691)
CHHM30-6225DBY-EP		24.02 (610)	-		53.98 (1371)			1560 (708)	60.83 (1545)					1657 (752)
CHHM40-6225Y-EP	40 x 4 (30 x 4)	24.02 (610)	-		52.20 (1326)			1539 (698)	59.06 (1500)					1636 (742)
CHHM40-6225DBY-EP		24.02 (610)	-		58.86 (1495)			1673 (759)	65.71 (1669)					1770 (803)
CHHM50-6225Y-EP	50 x 4 (37 x 4)	24.02 (610)	-		52.20 (1326)			1607 (729)	-	-	-	-		-
CHHM60-6225Y-EP	60 x 4 (45 x 4)	24.02 (610)	-	16.33 (415)	53.66 (1363)	16.81 (427)	ø18.66 (ø474)	1732 (786)						-
CHHM75-6225Y-EP	75 x 4 (55 x 4)	24.02 (610)	-					1812 (822)						-

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal Foot Mount



CHHM3-6235DAY-EP ▸ CHHM50-6245DBY-EP

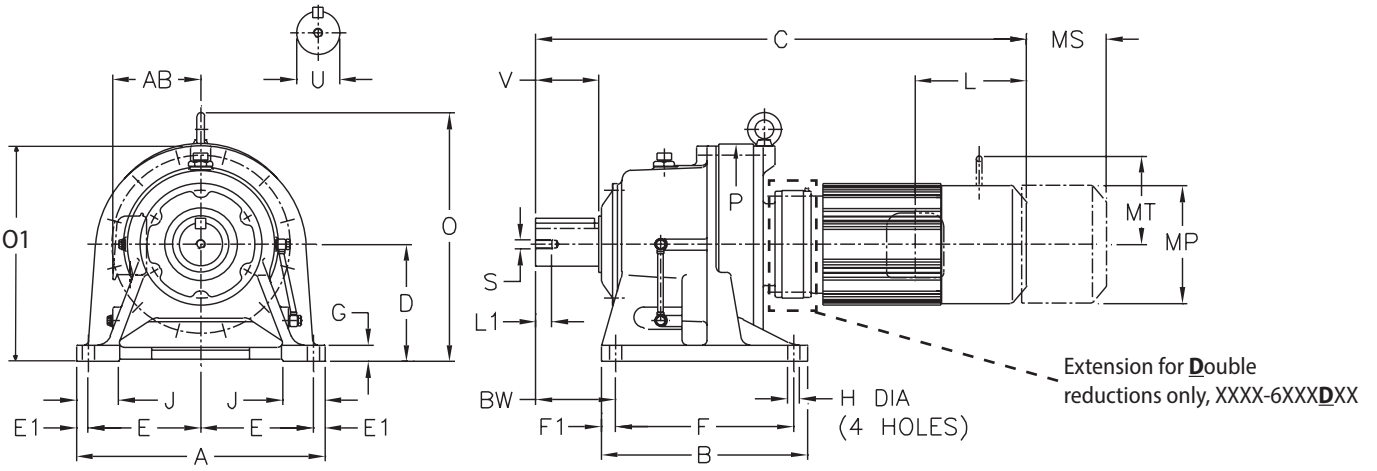


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHHM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

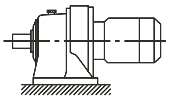
Model	A	B	D	E	E1	F	F1	G	H	J	P	BW
6235DAY **6235DBY**	26.38 (670)	22.05 (560)	11.811 (300)	11.42 (290)	1.77 (45)	18.11 (460)	1.97 (50)	1.77 (45)	1.30 (33)	4.72 (120)	22.13 (562)	10.24 (260)
6245DAY **6245DBY**	28.35 (720)	22.83 (580)	13.189 (335)	12.40 (315)	1.77 (45)	18.90 (480)	1.97 (50)	1.77 (45)	1.54 (39)	5.04 (128)	24.17 (614)	10.35 (263)

All dimensions are in inches (mm)

Model	Low Speed Shaft				
	U[A]	V	S	L1	Key
6235DAY **6235DBY**	5.00 (127)	7.87 (200)	1-8UNC	1.61 (41)	1-1/4 x 7/8 x 7.87 (31.75 x 22.225 x 200)
6245DAY **6245DBY**	5.50 (139.7)	7.87 (200)	1-8UNC	1.61 (41)	1-1/4 x 7/8 x 7.87 (31.75 x 22.225 x 200)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified.
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Horizontal Foot Mount

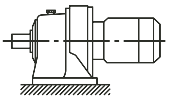
CHHM3-6235DAY-EP ▸ CHHM50-6245DBY-EP

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHHM3-6235DAY-EP	3 x 4 (2.2 x 4)	26.26 (667)	-	6.71 (170)	42.17 (1071)	4.53 (115)	□7.24 (□184)	1255 (569)	45.24 (1149)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	1271 (577)
CHHM5-6235DAY-EP	5 x 4 (3.7 x 4)	26.26 (667)	-	7.34 (186)	43.62 (1108)	4.65 (118)	□8.74 (□222)	1280 (581)	47.19 (1199)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	1303 (591)
CHHM8-6235DAY-EP	7.5 x 4 (5.5 x 4)	26.26 (667)	-		45.31 (1151)			1313 (596)	48.88 (1242)					1337 (607)
CHHM10-6235DAY-EP	10 x 4 (7.5 x 4)	26.26 (667)	-	9.04 (230)	46.77 (1188)	5.43 (138)	□10.24 (□260)	1341 (609)	50.91 (1293)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	1386 (629)
CHHM15-6235DAY-EP	15 x 4 (11 x 4)	26.26 (667)	-		49.21 (1250)			1354 (614)	53.35 (1355)					1398 (634)
CHHM15-6235DBY-EP		26.26 (667)	-		49.76 (1264)			1432 (650)	53.90 (1369)					1476 (670)
CHHM20-6235DAY-EP	20 x 4 (15 x 4)	26.26 (667)	-	10.26 (261)	51.50 (1308)	7.01 (178)	ø12.49 (ø317)	1437 (652)	56.79 (1443)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	1523 (691)
CHHM20-6235DBY-EP		26.26 (667)	-		52.36 (1330)			1512 (686)	57.66 (1465)					1598 (725)
CHHM25-6235DAY-EP	25 x 4 (18.5 x 4)	26.26 (667)	-	13.39 (340)	55.67 (1414)	9.06 (230)	ø15.12 (ø384)	1715 (778)	62.52 (1588)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		1812 (822)
CHHM25-6235DBY-EP		26.26 (667)	-		56.54 (1436)			1789 (812)	63.39 (1610)					1886 (856)
CHHM30-6235DAY-EP	30 x 4 (22 x 4)	26.26 (667)	-		55.67 (1414)			1715 (778)	62.52 (1588)					1812 (822)
CHHM30-6235DBY-EP		26.26 (667)	-		56.54 (1436)			1789 (812)	63.39 (1610)					1886 (856)
CHHM40-6235DBY-EP	40 x 4 (30 x 4)	26.26 (667)	-		61.42 (1560)			1902 (863)	68.27 (1734)					1999 (907)
CHHM50-6235DBY-EP	50 x 4 (37 x 4)	26.26 (667)	-					1970 (894)	-	-	-	-		-
CHHM3-6245DAY-EP	3 x 4 (2.2 x 4)	28.70 (729)	-	6.71 (170)	43.66 (1109)	4.53 (115)	□7.24 (□184)	1493 (677)	46.73 (1187)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	1510 (685)
CHHM5-6245DAY-EP	5 x 4 (3.7 x 4)	28.70 (729)	-	7.34 (186)	45.12 (1146)	4.65 (118)	□8.74 (□222)	1518 (689)	48.68 (1237)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	1541 (699)
CHHM8-6245DAY-EP	7.5 x 4 (5.5 x 4)	28.70 (729)	-		46.81 (1189)			1552 (704)	50.37 (1280)					1575 (715)
CHHM10-6245DAY-EP	10 x 4 (7.5 x 4)	28.70 (729)	-	9.04 (230)	48.27 (1226)	5.43 (138)	□10.24 (□260)	1579 (717)	52.40 (1331)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	1624 (737)
CHHM15-6245DAY-EP	15 x 4 (11 x 4)	28.70 (729)	-		50.71 (1288)			1592 (722)	54.84 (1393)					1636 (742)
CHHM15-6245DBY-EP		28.70 (729)	-		51.22 (1301)			1661 (754)	55.35 (1406)					1706 (774)
CHHM20-6245DAY-EP	20 x 4 (15 x 4)	28.70 (729)	-	10.26 (261)	52.99 (1346)	7.01 (178)	ø12.49 (ø317)	1675 (760)	58.29 (1481)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	1761 (799)
CHHM20-6245DBY-EP		28.70 (729)	-		53.82 (1367)			1741 (790)	59.11 (1502)					1827 (829)
CHHM25-6245DAY-EP	25 x 4 (18.5 x 4)	28.70 (729)	-	13.39 (340)	57.17 (1452)	9.06 (230)	ø15.12 (ø384)	1953 (886)	64.02 (1626)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		2050 (930)
CHHM25-6245DBY-EP		28.70 (729)	-		57.99 (1473)			2018 (916)	64.84 (1647)					2115 (960)
CHHM30-6245DAY-EP	30 x 4 (22 x 4)	28.70 (729)	-		57.17 (1452)			1953 (886)	64.02 (1626)					2050 (930)
CHHM30-6245DBY-EP		28.70 (729)	-		57.99 (1473)			2018 (916)	64.84 (1647)					2115 (960)
CHHM40-6245DBY-EP	40 x 4 (30 x 4)	28.70 (729)	-		62.87 (1597)			2131 (967)	69.72 (1771)					2228 (1011)
CHHM50-6245DBY-EP	50 x 4 (37 x 4)	28.70 (729)	-					2200 (998)	-	-	-	-		-

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal Foot Mount



CHHM5-6255DAY-EP ▸ CHHM60-6275DAY-EP

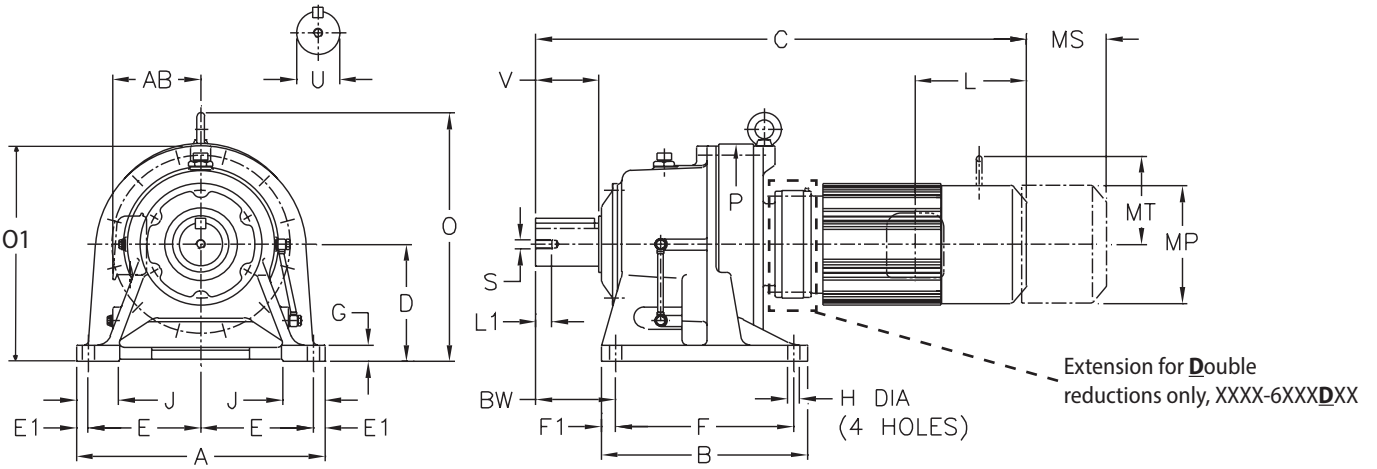


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHHM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

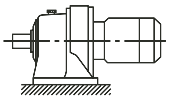
Model	A	B	D	E	E1	F	F1	G	H	J	P	BW
6255DAY 6255DBY	30.71 (780)	24.80 (630)	14.764 (375)	13.19 (335)	2.17 (55)	20.47 (520)	2.17 (55)	1.97 (50)	1.54 (39)	5.51 (140)	26.38 (670)	12.60 (320)
6265DAY	34.65 (880)	27.56 (700)	15.748 (400)	15.16 (385)	2.17 (55)	23.23 (590)	2.17 (55)	2.17 (55)	1.77 (45)	6.30 (160)	28.98 (736)	15.35 (390)
6275DAY	45.67 (1160)	40.94 (1040)	21.260 (540)	20.67 (525)	2.17 (55)	16.54 (420)	3.94 (100)	2.36 (60)	1.77 (45)	7.87 (200)	37.40 (950)	19.09 (485)

All dimensions are in inches (mm)

Model	Low Speed Shaft				
	U[A]	V	S	L1	Key
6255DAY 6255DBY	6.25 (158.75)	9.45 (240)	1-1/4-7UNC	2.05 (52)	1-1/2 x 1 x 9.45 (38.1 x 25.4 x 240)
6265DAY	6.63 (168.275)	11.81 (300)	1-1/4-7UNC	2.05 (52)	1-3/4 x 1-1/4 x 11.81 (44.45 x 31.75 x 300)
6275DAY	7.00 (177.8)	12.99 (330)	1-1/4-7UNC	2.05 (52)	1-3/4 x 1-1/4 x 12.6 (44.45 x 31.75 x 330)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified.
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Horizontal Foot Mount

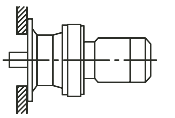
CHHM5-6255DAY-EP ▸ CHHM60-6275DAY-EP

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

Model	HP x P (kW x P)	O	O1	AB	Without Brake				With Brake					
					C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHHM5-6255DAY-EP	5 x 4 (3.7 x 4)	32.09 (815)	-	7.34 (186)	50.83 (1291)	4.65 (118)	□8.74 (□222)	2302 (1044)	54.39 (1382)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	2326 (1055)
CHHM8-6255DAY-EP	7.5 x 4 (5.5 x 4)	32.09 (815)	-		52.52 (1334)			2336 (1060)	56.08 (1425)					2360 (1071)
CHHM10-6255DAY-EP	10 x 4 (7.5 x 4)	32.09 (815)	-	9.04 (230)	53.35 (1355)	5.43 (138)	□10.24 (□260)	2365 (1073)	57.48 (1460)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	2409 (1093)
CHHM15-6255DAY-EP	15 x 4 (11 x 4)	32.09 (815)	-		55.79 (1417)			2377 (1079)	59.92 (1522)					2421 (1099)
CHHM15-6255DBY-EP		32.09 (815)	-		56.65 (1439)			2539 (1152)	60.79 (1544)					2583 (1172)
CHHM20-6255DAY-EP	20 x 4 (15 x 4)	32.09 (815)	-	10.26 (261)	58.50 (1486)	7.01 (178)	ø12.49 (ø317)	2458 (1115)	63.80 (1621)	12.30 (313)	ø12.61 (ø320)	9.53 (242)		2544 (1154)
CHHM20-6255DBY-EP		32.09 (815)	-		59.37 (1508)			2617 (1187)	64.67 (1643)					2703 (1226)
CHHM25-6255DAY-EP	25 x 4 (18.5 x 4)	32.09 (815)	-	13.39 (340)	62.68 (1592)	9.06 (230)	ø15.12 (ø384)	2737 (1242)	69.53 (1766)	15.91 (404)	ø15.28 (ø388)	12.13 (308)	-	2834 (1286)
CHHM25-6255DBY-EP		32.09 (815)	-		63.54 (1614)			2895 (1314)	70.39 (1788)					2992 (1358)
CHHM30-6255DAY-EP	30 x 4 (22 x 4)	32.09 (815)	-		62.68 (1592)			2737 (1242)	69.53 (1766)					2834 (1286)
CHHM30-6255DBY-EP		32.09 (815)	-		63.54 (1614)			2895 (1314)	70.39 (1788)					2992 (1358)
CHHM40-6255DAY-EP	40 x 4 (30 x 4)	32.09 (815)	-		67.56 (1716)			2850 (1293)	74.41 (1890)					2947 (1337)
CHHM40-6255DBY-EP		32.09 (815)	-		68.43 (1738)			3008 (1365)	75.28 (1912)					3105 (1409)
CHHM50-6255DBY-EP	50 x 4 (37 x 4)	32.09 (815)	-					3077 (1396)	-	-	-	-		-
CHHM60-6255DBY-EP	60 x 4 (45 x 4)	32.09 (815)	-	16.33 (415)	69.88 (1775)	16.81 (427)	ø18.66 (ø474)	3205 (1454)						-
CHHM8-6265DAY-EP	7.5 x 4 (5.5 x 4)	34.41 (874)	-	7.34 (186)	58.31 (1481)	4.65 (118)	□8.74 (□222)	3058 (1387)	61.87 (1572)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	3081 (1398)
CHHM10-6265DAY-EP	10 x 4 (7.5 x 4)	34.41 (874)	-	9.04 (230)	58.54 (1487)	5.43 (138)	□10.24 (□260)	3088 (1401)	62.68 (1592)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	3132 (1421)
CHHM15-6265DAY-EP	15 x 4 (11 x 4)	34.41 (874)	-		60.98 (1549)			3101 (1407)	65.12 (1654)					3145 (1427)
CHHM20-6265DAY-EP	20 x 4 (15 x 4)	34.41 (874)	-	10.26 (261)	63.70 (1618)	7.01 (178)	ø12.49 (ø317)	3179 (1442)	69.00 (1753)	12.30 (313)	ø12.61 (ø320)	9.53 (242)		3265 (1481)
CHHM25-6265DAY-EP	25 x 4 (18.5 x 4)	34.41 (874)	-	13.39 (340)	67.87 (1724)	9.06 (230)	ø15.12 (ø384)	3457 (1569)	74.72 (1898)	15.91 (404)	ø15.28 (ø388)	12.13 (308)	-	3554 (1613)
CHHM30-6265DAY-EP	30 x 4 (22 x 4)	34.41 (874)	-					3457 (1569)						3554 (1613)
CHHM40-6265DAY-EP	40 x 4 (30 x 4)	34.41 (874)	-		72.76 (1848)			3570 (1620)	79.61 (2022)					3667 (1664)
CHHM50-6265DAY-EP	50 x 4 (37 x 4)	34.41 (874)	-					3639 (1651)	-	-	-	-		-
CHHM60-6265DAY-EP	60 x 4 (45 x 4)	34.41 (874)	-	16.33 (415)	74.21 (1885)	16.81 (427)	ø18.66 (ø474)	3767 (1709)						-
CHHM10-6275DAY-EP	10 x 4 (7.5 x 4)	45.71 (1161)	-	9.04 (230)	68.82 (1748)	5.43 (138)	□10.24 (□260)	5601 (2541)	72.95 (1853)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	5646 (2561)
CHHM15-6275DAY-EP	15 x 4 (11 x 4)	45.71 (1161)	-		71.26 (1810)			5614 (2547)	75.39 (1915)					5658 (2567)
CHHM20-6275DAY-EP	20 x 4 (15 x 4)	45.71 (1161)	-	10.26 (261)	73.98 (1879)	7.01 (178)	ø12.49 (ø317)	5692 (2582)	79.27 (2014)	12.30 (313)	ø12.61 (ø320)	9.53 (242)		5778 (2621)
CHHM25-6275DAY-EP	25 x 4 (18.5 x 4)	45.71 (1161)	-	13.39 (340)	78.15 (1985)	9.06 (230)	ø15.12 (ø384)	5971 (2709)	85.00 (2159)	15.91 (404)	ø15.28 (ø388)	12.13 (308)	-	6068 (2753)
CHHM30-6275DAY-EP	30 x 4 (22 x 4)	45.71 (1161)	-					5971 (2709)						6068 (2753)
CHHM40-6275DAY-EP	40 x 4 (30 x 4)	45.71 (1161)	-		83.03 (2109)			6084 (2760)	89.88 (2283)					6181 (2804)
CHHM50-6275DAY-EP	50 x 4 (37 x 4)	45.71 (1161)	-					6152 (2791)	-	-	-	-		-
CHHM60-6275DAY-EP	60 x 4 (45 x 4)	45.71 (1161)	-	16.33 (415)	84.49 (2146)	16.81 (427)	ø18.66 (ø474)	6280 (2849)						-

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Universal V-Flange Mount



CNVM01-6065DAY ▸ CNVM1-6085Y-EP

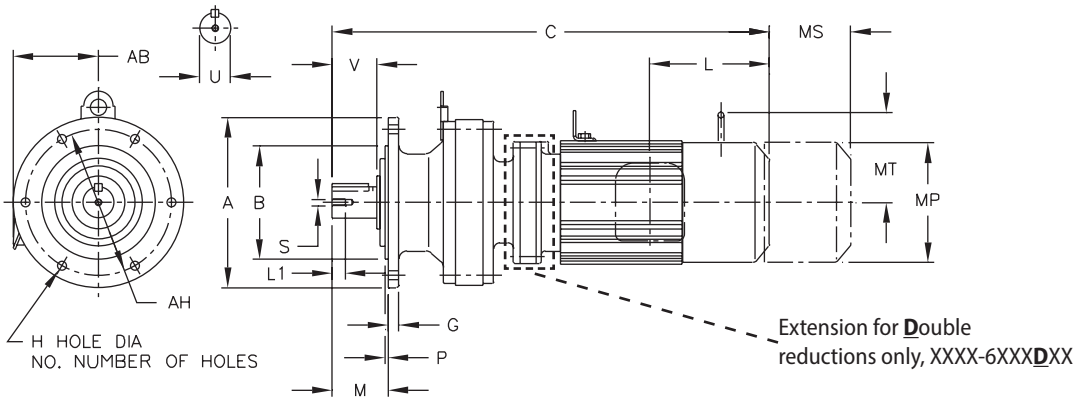


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CNVM units are greased for life, and can be mounted in any position.

Dimensions are in inches (mm)

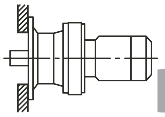
Model CNVM	A	B	G	H	NO.	M	O	P	AH
6060Y 6065Y	4.72 (120)	3.15 (80)	0.31 (8)	0.35 (9)	6	1.34 (34)	-	0.12 (3)	4.02 (102)
6070Y 6075Y	6.30 (160)	4.33 (110)	0.35 (9)	0.43 (11)	4	1.89 (42)	-	0.12 (3)	5.28 (134)
6080Y 6085Y	6.30 (160)	4.33 (110)	0.35 (9)	0.43 (11)	4	1.89 (48)	-	0.12 (3)	5.28 (134)

All dimensions are in inches (mm)

Model CNVM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6060Y 6065Y	0.50 (12.7)	0.98 (25)	10-32UNF	0.63 (16)	1/8 X 1/8 X 0.79 (3.175 x 3.175 x 20.07)
6070Y 6075Y	0.75 (19.05)	1.18 (30)	12-28UNF	0.63 (16)	3/16 X 3/16 X 1.18 (4.762 x 4.762 x 30)
6080Y 6085Y	0.875 (22.23)	1.38 (35)	12-28UNF	0.63 (16)	3/16 X 3/16 X 1.18 (4.762 x 4.762 x 30)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified.
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Universal V-Flange Mount

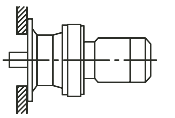
XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CNVM01-6065DAY ▸ CNVM1-6085Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CNVM01-6065DAY	1/8 x 4 (0.1 x 4)	4.63 (118)	10.20 (259)	1.38 (35)	ø4.69 (ø119)	19 (9)	11.57 (294)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	22 (10)
CNVM01-6065Y-AV			10.55 (268)	2.32 (59)	ø4.88 (ø124)	18 (8)	11.81 (300)	3.58 (91)		2.40 (61)		21 (10)
CNVM01-6065DAY-AV			11.85 (301)			21 (10)	13.11 (333)					24 (11)
CNVM01-6065Y			8.90 (226)	1.38 (35)	ø4.69 (ø119)	16 (7)	10.28 (261)	2.76 (70)		1.93 (49)		19 (9)
CNVM02-6065Y	1/4 x 4 (0.2 x 4)		10.55 (268)	2.32 (59)	ø4.88 (ø124)	18 (8)	11.81 (300)	3.58 (91)		2.40 (61)		21 (10)
CNVM02-6065Y-AV			11.34 (288)			21 (10)	12.60 (320)					24 (11)
CNVM03-6065Y	1/3 x 4 (0.25 x 4)		10.55 (268)			18 (8)	11.81 (300)					21 (10)
CNVM03-6065Y-AV			11.34 (288)			21 (10)	12.60 (320)					24 (11)
CNVM01-6075DAY	1/8 x 4 (0.1 x 4)	4.63 (118)	10.43 (265)	1.38 (35)	ø4.69 (ø119)	23 (11)	11.81 (300)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	26 (12)
CNVM01-6075Y-AV			10.79 (274)	2.32 (59)	ø4.88 (ø124)	20 (9)	12.05 (306)	3.58 (91)		2.40 (61)		23 (11)
CNVM01-6075DAY-AV			12.09 (307)			25 (12)	13.35 (339)					28 (13)
CNVM01-6075Y			9.13 (232)	1.38 (35)	ø4.69 (ø119)	18 (8)	10.51 (267)	2.76 (70)		1.93 (49)		21 (10)
CNVM02-6075Y	1/4 x 4 (0.2 x 4)		10.79 (274)	2.32 (59)	ø4.88 (ø124)	20 (9)	12.05 (306)	3.58 (91)		2.40 (61)		23 (11)
CNVM02-6075Y-AV			11.57 (294)			23 (11)	12.83 (326)					26 (12)
CNVM02-6075DAY			12.09 (307)			25 (12)	13.35 (339)					28 (13)
CNVM02-6075DAY-AV			12.87 (327)			28 (13)	14.13 (359)					31 (14)
CNVM03-6075Y	1/3 x 4 (0.25 x 4)		10.79 (274)			20 (9)	12.05 (306)					23 (11)
CNVM03-6075Y-AV			11.57 (294)			23 (11)	12.83 (326)					26 (12)
CNVM05-6075Y	1/2 x 4 (0.4 x 4)											
CNVM01-6085Y	1/8 x 4 (0.1 x 4)	4.63 (118)	10.16 (258)	1.38 (35)	ø4.69 (ø119)	23 (11)	11.54 (293)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	26 (12)
CNVM01-6085Y-AV			11.81 (300)	2.32 (59)	ø4.88 (ø124)	25 (12)	13.07 (332)	3.58 (91)		2.40 (61)		28 (13)
CNVM02-6085Y	1/4 x 4 (0.2 x 4)											
CNVM02-6085Y-AV			12.60 (320)			28 (13)	13.86 (352)					31 (14)
CNVM03-6085Y	1/3 x 4 (0.25 x 4)		11.81 (300)			25 (12)	13.07 (332)					28 (13)
CNVM03-6085Y-AV			12.60 (320)			28 (13)	13.86 (352)					31 (14)
CNVM05-6085Y	1/2 x 4 (0.4 x 4)											
CNVM05-6085Y-AV		5.67 (144)	14.21 (361)	3.82 (97)	ø5.94 (ø151)	35 (16)	15.91 (404)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	41 (19)
CNVM08-6085Y	3/4 x 4 (0.55 x 4)					33 (15)						38 (18)
CNVM1-6085Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	15.85 (403)		□6.22 (□158)	46 (21)	18.35 (466)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	55 (25)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Universal V-Flange Mount



CNVM01-6095Y ▸ CNVM2-6095Y-EP

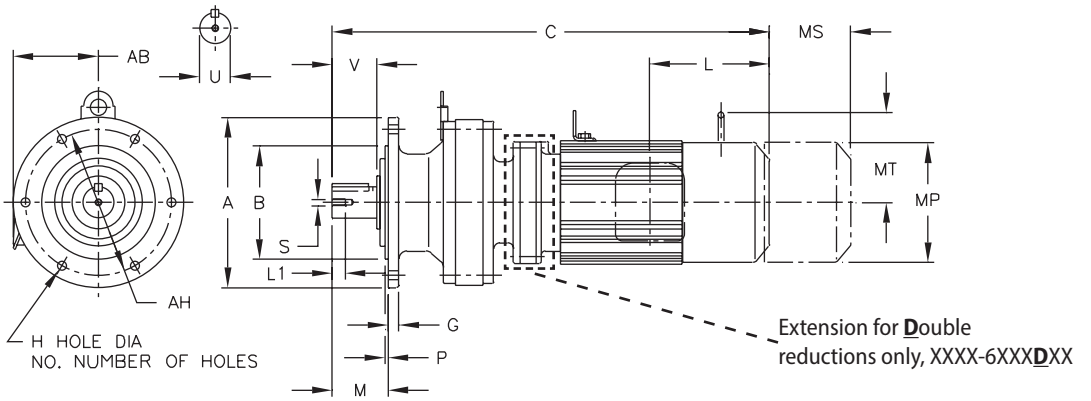


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CNVM units are greased for life, and can be mounted in any position.

Dimensions are in inches (mm)

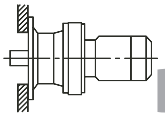
Model CNVM	A	B	G	H	NO.	M	O	P	AH
6090Y 6095Y	6.30 (160)	4.33 (110)	0.35 (9)	0.43 (11)	4	1.89 (48)	4.21 (107)	0.12 (3)	5.28 (134)

All dimensions are in inches (mm)

Model CNVM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6090Y 6095Y	1.125 (28.58)	1.38 (35)	5/16-18UNC	0.79 (20)	1/4 X 1/4 X 1.18 (6.35 x 6.35 x 30)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified.
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Universal V-Flange Mount

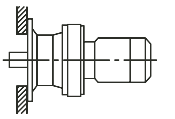
XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CNVM01-6095Y ▸ CNVM2-6095Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CNVM01-6095Y	1/8 x 4 (0.1 x 4)	4.63 (118)	10.87 (276)	1.38 (35)	ø4.69 (ø119)	26 (12)	12.24 (311)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	29 (14)
CNVM01-6095Y-AV			12.52 (318)	2.32 (59)	ø4.88 (ø124)	28 (13)	13.78 (350)	3.58 (91)		2.40 (61)		31 (14)
CNVM01-6095DAY			12.76 (324)	1.38 (35)	ø4.69 (ø119)	32 (15)	14.13 (359)	2.76 (70)		1.93 (49)		35 (16)
CNVM01-6095DAY-AV			14.41 (366)	2.32 (59)	ø4.88 (ø124)	34 (16)	15.67 (398)	3.58 (91)		2.40 (61)		37 (17)
CNVM02-6095Y	1/4 x 4 (0.2 x 4)		12.52 (318)			28 (13)	13.78 (350)					31 (14)
CNVM02-6095Y-AV			13.31 (338)			31 (14)	14.57 (370)					34 (16)
CNVM02-6095DAY			14.41 (366)			34 (16)	15.67 (398)					37 (17)
CNVM02-6095DAY-AV			15.20 (386)			37 (17)	16.46 (418)					40 (19)
CNVM03-6095Y	1/3 x 4 (0.25 x 4)		12.52 (318)			28 (13)	13.78 (350)					31 (14)
CNVM03-6095Y-AV			13.31 (338)			31 (14)	14.57 (370)					34 (16)
CNVM03-6095DAY			14.41 (366)			34 (16)	15.67 (398)					37 (17)
CNVM03-6095DAY-AV			15.20 (386)			37 (17)	16.46 (418)					40 (19)
CNVM05-6095Y	1/2 x 4 (0.4 x 4)		13.31 (338)			31 (14)	14.57 (370)					34 (16)
CNVM05-6095Y-AV		5.67 (144)	14.92 (379)	3.82 (97)	ø5.94 (ø151)	38 (18)	16.61 (422)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	44 (20)
CNVM05-6095DAY		4.63 (118)	15.20 (386)	2.32 (59)	ø4.88 (ø124)	37 (17)	16.46 (418)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	40 (19)
CNVM08-6095Y	3/4 x 4 (0.55 x 4)	5.67 (144)	14.92 (379)	3.82 (97)	ø5.94 (ø151)	36 (17)	16.61 (422)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	42 (19)
CNVM08-6095Y-AV		5.86 (149)	16.22 (412)	3.94 (100)	ø6.30 (ø160)	47 (21)	18.66 (474)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	58 (26)
CNVM1-6095Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	16.65 (423)	3.82 (97)	□6.22 (□158)	52 (24)	19.15 (487)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	61 (28)
CNVM1H-6095Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	17.72 (450)		□6.57 (□167)	59 (27)	20.45 (520)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	71 (32)
CNVM2-6095Y-EP	2 x 4 (1.5 x 4)					62 (28)						74 (34)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Universal V-Flange Mount



CNVM01-6105DAY ▸ CNVM5-6115Y-EP

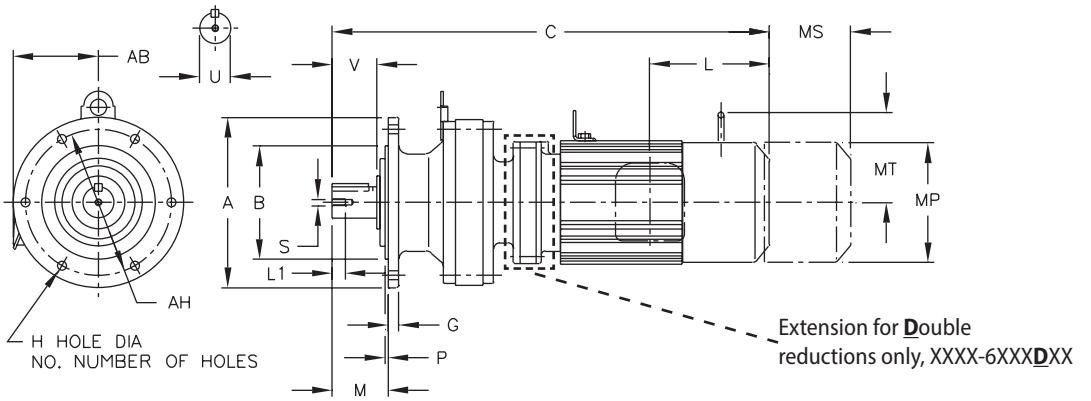


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CNVM units are greased for life, and can be mounted in any position.

Dimensions are in inches (mm)

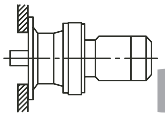
Model CNVM	A	B	G	H	NO.	M	O	P	AH
6100Y 6105Y	6.30 (160)	4.33 (110)	0.35 (9)	0.43 (11)	4	1.89 (48)	4.21 (107)	0.12 (3)	5.28 (134)
6110Y 6115Y	8.27 (210)	5.51 (140)	0.43 (11)	0.43 (11)	6	2.28 (58)	4.53 (115)	0.16 (4)	7.09 (180)

All dimensions are in inches (mm)

Model CNVM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6100Y 6105Y	1.125 (28.58)	1.38 (35)	5/16-18UNC	0.79 (20)	1/4 X 1/4 X 1.18 (6.35 x 6.35 x 30)
6110Y 6115Y	1.25 (31.75)	1.77 (45)	5/16-18UNC	0.79 (20)	1/4 x 1/4 x 1.46 (6.35 x 6.35 x 37)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified.
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Universal V-Flange Mount

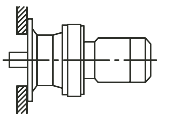
XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CNVM01-6105DAY ▸ CNVM5-6115Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CNVM01-6105DAY	1/8 x 4 (0.1 x 4)	4.63 (118)	13.31 (338)	1.38 (35)	ø4.69 (ø119)	37 (17)	14.69 (373)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	40 (18)
CNVM01-6105DAY-AV			14.96 (380)	2.32 (59)	ø4.88 (ø124)	39 (18)	16.22 (412)	3.58 (91)		2.40 (61)		42 (19)
CNVM02-6105Y	1/4 x 4 (0.2 x 4)		13.07 (332)			33 (15)	14.33 (364)					36 (17)
CNVM02-6105Y-AV			13.86 (352)			36 (17)	15.12 (384)					39 (18)
CNVM02-6105DAY			14.96 (380)			39 (18)	16.22 (412)					42 (19)
CNVM02-6105DAY-AV			15.75 (400)			42 (19)	17.01 (432)					45 (21)
CNVM03-6105Y	1/3 x 4 (0.25 x 4)		13.07 (332)			33 (15)	14.33 (364)					36 (17)
CNVM03-6105Y-AV			13.86 (352)			36 (17)	15.12 (384)					39 (18)
CNVM03-6105DAY			14.96 (380)			39 (18)	16.22 (412)					42 (19)
CNVM03-6105DAY-AV			15.75 (400)			42 (19)	17.01 (432)					45 (21)
CNVM05-6105Y	1/2 x 4 (0.4 x 4)		13.86 (352)			36 (17)	15.12 (384)					39 (18)
CNVM05-6105Y-AV		5.67 (144)	15.47 (393)	3.82 (97)	ø5.94 (ø151)	43 (20)	17.17 (436)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	49 (23)
CNVM05-6105DAY		4.63 (118)	15.75 (400)	2.32 (59)	ø4.88 (ø124)	42 (19)	17.01 (432)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	45 (21)
CNVM08-6105Y	3/4 x 4 (0.55 x 4)	5.67 (144)	15.47 (393)	3.82 (97)	ø5.94 (ø151)	41 (19)	17.17 (436)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	46 (21)
CNVM08-6105Y-AV		5.86 (149)	16.77 (426)	3.94 (100)	ø6.30 (ø160)	51 (24)	19.21 (488)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	62 (28)
CNVM1-6105Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	17.20 (437)	3.82 (97)	□6.22 (□158)	56 (26)	19.70 (501)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	66 (30)
CNVM1H-6105Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	18.27 (464)		□6.57 (□167)	64 (29)	21.00 (534)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	75 (34)
CNVM2-6105Y-EP	2 x 4 (1.5 x 4)					67 (31)						78 (36)
CNVM3-6105Y-EP	3 x 4 (2.2 x 4)	6.71 (170)	19.09 (485)	4.53 (115)	□7.24 (□184)	83 (38)	22.17 (563)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	100 (45)
CNVM05-6115Y	1/2 x 4 (0.4 x 4)	4.63 (118)	14.25 (362)	2.32 (59)	ø4.88 (ø124)	43 (20)	15.51 (394)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	46 (21)
CNVM05-6115Y-AV		5.67 (144)	15.87 (403)	3.82 (97)	ø5.94 (ø151)	49 (23)	17.56 (446)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	55 (25)
CNVM08-6115Y	3/4 x 4 (0.55 x 4)					47 (21)						52 (24)
CNVM08-6115Y-AV		5.86 (149)	17.17 (436)	3.94 (100)	ø6.30 (ø160)	56 (26)	19.61 (498)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	66 (30)
CNVM1-6115Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	17.60 (447)	3.82 (97)	□6.22 (□158)	61 (28)	20.10 (511)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	70 (32)
CNVM1H-6115Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	18.66 (474)		□6.57 (□167)	68 (31)	21.40 (544)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	79 (36)
CNVM2-6115Y-EP	2 x 4 (1.5 x 4)					71 (32)						82 (38)
CNVM3-6115Y-EP	3 x 4 (2.2 x 4)	6.71 (170)	18.54 (471)	4.53 (115)	□7.24 (□184)	83 (38)	21.61 (549)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	100 (45)
CNVM5-6115Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	19.61 (498)	4.65 (118)	□8.74 (□222)	108 (49)	23.17 (589)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	132 (60)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Universal V-Flange Mount



CNVM01-6125DBY ▸ CNVM8-6125Y-EP

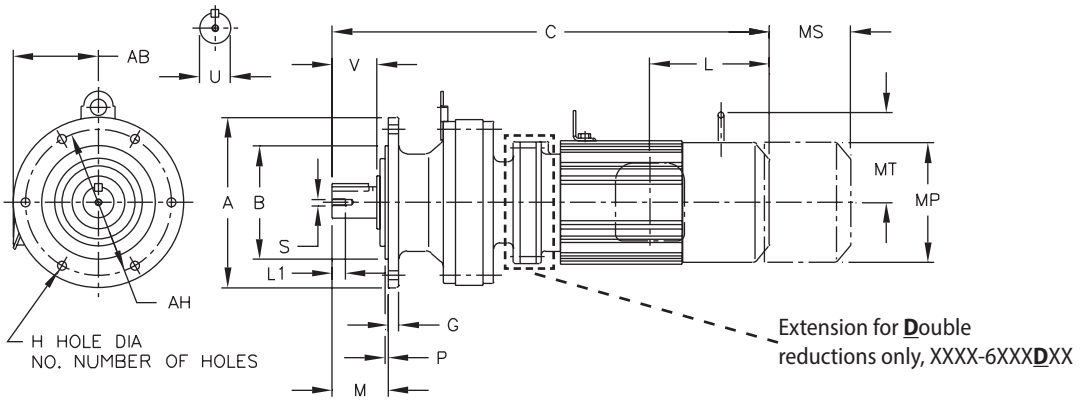


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CNVM units are greased for life, and can be mounted in any position.

Dimensions are in inches (mm)

Model CNVM	A	B	G	H	NO.	M	O	P	AH
6120Y 6125Y	8.27 (210)	5.51 (140)	0.51 (13)	0.43 (11)	6	2.72 (69)	5.39 (137)	0.16 (4)	7.09 (180)

All dimensions are in inches (mm)

Model CNVM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6120Y 6125Y	1.50 (38.1)	2.17 (55)	5/16-18UNC	0.79 (20)	3/8 x 3/8 x 1.77 (9.525 x 9.525 x 45)

Note: [A] Toleranced dimension, please refer to Table 1 above.

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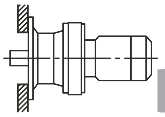
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Universal V-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

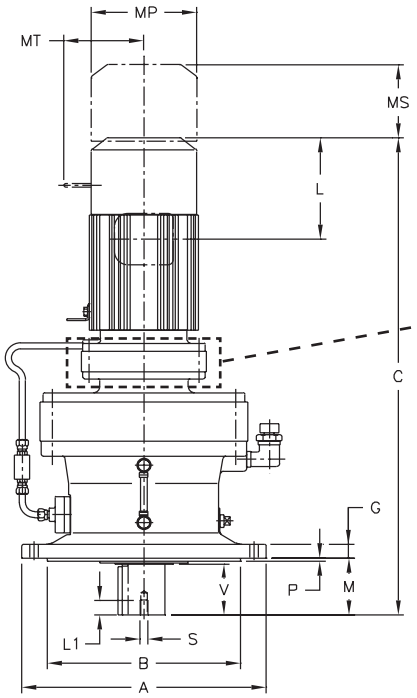
CNVM01-6125DBY ▸ CNVM8-6125Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CNVM01-6125DBY	1/8 x 4 (0.1 x 4)	4.63 (118)	15.20 (386)	1.38 (35)	ø4.69 (ø119)	70 (32)	16.57 (421)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	74 (34)
CNVM01-6125DBY-AV			16.85 (428)	2.32 (59)		72 (33)	18.11 (460)	3.58 (91)		2.40 (61)		75 (34)
CNVM02-6125DAY	1/4 x 4 (0.2 x 4)		16.38 (416)		ø4.88 (ø124)	65 (30)	17.64 (448)					68 (31)
CNVM02-6125DBY			16.85 (428)			72 (33)	18.11 (460)					75 (34)
CNVM02-6125DAY-AV			17.17 (436)			68 (31)	18.43 (468)					71 (33)
CNVM02-6125DBY-AV			17.64 (448)			75 (34)	18.90 (480)					78 (36)
CNVM03-6125DBY	1/3 x 4 (0.25 x 4)		16.85 (428)			72 (33)	18.11 (460)					75 (34)
CNVM03-6125DBY-AV			17.64 (448)			75 (34)	18.90 (480)					78 (36)
CNVM05-6125Y	1/2 x 4 (0.4 x 4)		15.24 (387)			64 (29)	16.50 (419)					67 (31)
CNVM05-6125Y-AV		5.67 (144)	16.65 (423)	3.82 (97)	ø5.94 (ø151)	71 (33)	18.35 (466)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	77 (35)
CNVM05-6125DBY		4.63 (118)	17.64 (448)	2.32 (59)	ø4.88 (ø124)	75 (34)	18.90 (480)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	78 (36)
CNVM05-6125DBY-AV		5.67 (144)	19.25 (489)	3.82 (97)	ø5.94 (ø151)	83 (38)	20.94 (532)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	88 (40)
CNVM08-6125Y	3/4 x 4 (0.55 x 4)		16.65 (423)			69 (31)	18.35 (466)					75 (34)
CNVM08-6125Y-AV		5.86 (149)	17.95 (456)	3.94 (100)	ø6.30 (ø160)	77 (35)	20.39 (518)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	88 (40)
CNVM08-6125DBY		5.67 (144)	19.25 (489)	3.82 (97)	ø5.94 (ø151)	80 (37)	20.94 (532)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	86 (39)
CNVM08-6125DBY-AV		5.86 (149)	20.55 (522)	3.94 (100)	ø6.30 (ø160)	91 (41)	22.99 (584)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	102 (46)
CNVM1-6125Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	18.39 (467)	3.82 (97)	□6.22 (□158)	82 (37)	20.89 (531)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	92 (42)
CNVM1-6125DBY-EP			20.98 (533)			96 (44)	23.48 (597)					106 (48)
CNVM1H-6125Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	19.45 (494)		□6.57 (□167)	89 (41)	22.19 (564)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	100 (46)
CNVM1H-6125DBY-EP			22.05 (560)			103 (47)	24.78 (630)					115 (52)
CNVM2-6125Y-EP	2 x 4 (1.5 x 4)		19.45 (494)			92 (42)	22.19 (564)					103 (47)
CNVM2-6125DBY-EP			22.05 (560)			106 (48)	24.78 (630)					118 (54)
CNVM3-6125Y-EP	3 x 4 (2.2 x 4)	6.71 (170)	18.86 (479)	4.53 (115)	□7.24 (□184)	105 (48)	21.93 (557)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	122 (55)
CNVM5-6125Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	20.31 (516)	4.65 (118)	□8.74 (□222)	130 (59)	23.88 (607)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	154 (70)
CNVM8-6125Y-EP	7.5 x 4 (5.5 x 4)		22.01 (559)			164 (75)	25.57 (650)					188 (86)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Vertical V-Flange Mount

CVVM02-6135DAY ▸ CVVM15-6135Y-EP



Extension for **D**ouble reductions only, XXXX-6XXX**D**XX

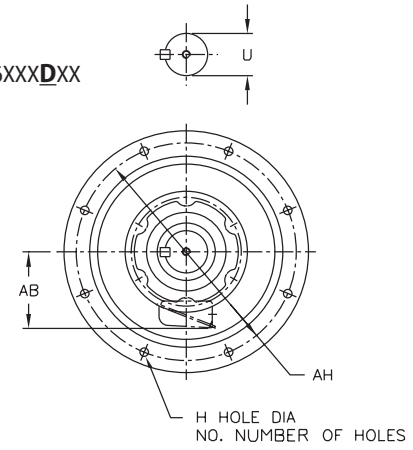


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CVVM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

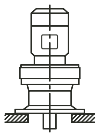
Model CVVM	A	B	G	H	NO.	M	O	P	AH
6130Y 6135Y	10.24 (260)	7.87 (200)	0.59 (15)	0.43 (11)	6	2.99 (76)	-	0.16 (4)	9.06 (230)

All dimensions are in inches (mm)

Model CVVM	Low Speed Shaft				
	U*	V	S	L1	Key
6130Y 6135Y	1.88 (47.625)	2.40 (61)	3/8-16UNC	0.79 (20)	1/2 x 1/2 x 2.17 (12.7 x 12.7 x 55)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified. Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Vertical V-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

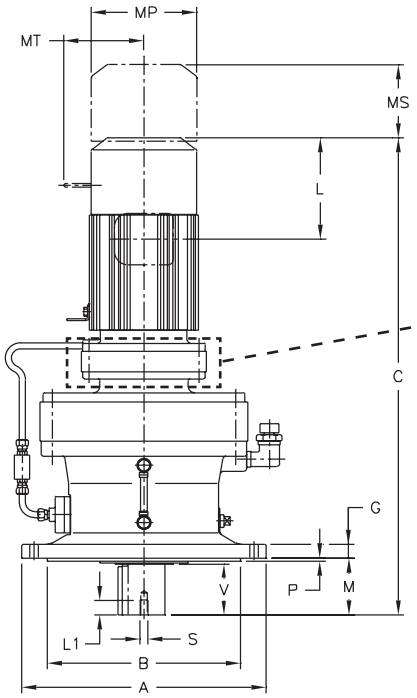
CVVM02-6135DAY ▸ CVVM15-6135Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CVVM02-6135DAY	1/4 x 4 (0.2 x 4)	4.63 (118)	18.50 (470)	2.32 (59)	ø4.88 (ø124)	98 (45)	19.76 (502)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	101 (46)
CVVM02-6135DAY-AV			19.29 (490)			101 (46)	20.55 (522)					104 (48)
CVVM02-6135DCY			19.41 (493)			106 (48)	20.67 (525)					109 (50)
CVVM02-6135DCY-AV			20.20 (513)			109 (50)	21.46 (545)					112 (51)
CVVM03-6135DCY	1/3 x 4 (0.25 x 4)		19.41 (493)			106 (48)	20.67 (525)					109 (50)
CVVM03-6135DCY-AV			20.20 (513)			109 (50)	21.46 (545)					112 (51)
CVVM05-6135DCY	1/2 x 4 (0.4 x 4)											
CVVM05-6135DCY-AV		5.67 (144)	21.81 (554)	3.82 (97)	ø5.94 (ø151)	116 (53)	23.50 (597)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	122 (56)
CVVM08-6135Y	3/4 x 4 (0.55 x 4)		18.78 (477)			112 (51)	20.47 (520)					118 (54)
CVVM08-6135Y-AV		5.86 (149)	20.08 (510)	3.94 (100)	ø6.30 (ø160)	121 (55)	22.52 (572)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	131 (60)
CVVM08-6135DCY		5.67 (144)	21.81 (554)	3.82 (97)	ø5.94 (ø151)	113 (52)	23.50 (597)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	119 (54)
CVVM08-6135DCY-AV		5.86 (149)	23.11 (587)	3.94 (100)	ø6.30 (ø160)	124 (57)	25.55 (649)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	135 (61)
CVVM1-6135Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	20.51 (521)	3.82 (97)	□6.22 (□158)	125 (57)	23.01 (585)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	135 (62)
CVVM1-6135DCY-EP			23.54 (598)			129 (59)	26.04 (662)					139 (63)
CVVM1H-6135Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	21.57 (548)		□6.57 (□167)	132 (60)	24.31 (618)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	144 (65)
CVVM1H-6135DCY-EP			24.61 (625)			137 (62)	27.34 (695)					148 (67)
CVVM2-6135Y-EP	2 x 4 (1.5 x 4)		21.57 (548)			135 (62)	24.31 (618)					147 (67)
CVVM2-6135DCY-EP			24.61 (625)			139 (64)	27.34 (695)					151 (69)
CVVM3-6135Y-EP	3 x 4 (2.2 x 4)	6.71 (170)	20.98 (533)	4.53 (115)	□7.24 (□184)	147 (67)	24.06 (611)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	163 (74)
CVVM3-6135DCY-EP			25.43 (646)			156 (71)	28.50 (724)					172 (78)
CVVM5-6135Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	22.24 (565)	4.65 (118)	□8.74 (□222)	171 (78)	25.81 (656)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	195 (89)
CVVM8-6135Y-EP	7.5 x 4 (5.5 x 4)		23.94 (608)			205 (93)	27.50 (699)					229 (104)
CVVM10-6135Y-EP	10 x 4 (7.5 x 4)	9.04 (230)	25.43 (646)	5.43 (138)	□10.24 (□260)	232 (105)	29.57 (751)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	276 (125)
CVVM15-6135Y-EP	15 x 4 (11 x 4)		27.87 (708)			244 (111)	32.01 (813)					289 (131)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Vertical V-Flange Mount

CVVM02-6145DBY ▸ CVVM20-6145Y-EP



Extension for **D**ouble reductions only, XXXX-6XXX**D**XX

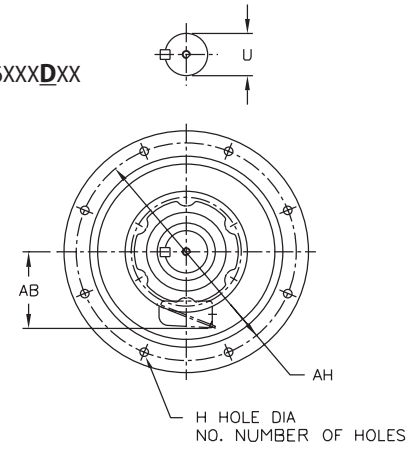


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CVVM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

Model CVVM	A	B	G	H	NO.	M	O	P	AH
6140Y 6145Y	10.24 (260)	7.87 (200)	0.59 (15)	0.43 (11)	6	3.78 (96)	-	0.16 (4)	9.06 (230)

All dimensions are in inches (mm)

Model CVVM	Low Speed Shaft				
	U*	V	S	L1	Key
6140Y 6145Y	1.88 (47.625)	3.19 (81)	3/8-16UNC	0.79 (20)	1/2 x 1/2 x 2.95 (12.7 x 12.7 x 75)

Note: [A] Toleranced dimension, please refer to Table 1 above.

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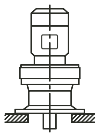


Dimensions Integral Vertical V-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

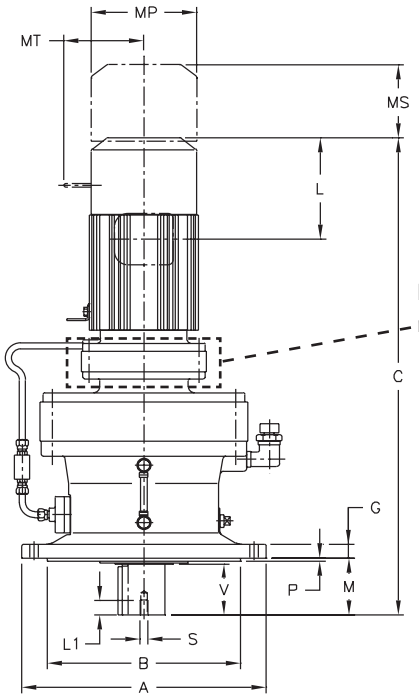
CVVM02-6145DBY ▸ CVVM20-6145Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CVVM02-6145DBY	1/4 x 4 (0.2 x 4)	4.63 (118)	19.65 (499)	2.32 (59)	ø4.88 (ø124)	103 (47)	20.91 (531)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	106 (48)
CVVM02-6145DBY-AV			20.43 (519)			106 (48)	21.69 (551)					109 (50)
CVVM03-6145DBY	1/3 x 4 (0.25 x 4)		19.65 (499)			103 (47)	20.91 (531)					106 (48)
CVVM03-6145DBY-AV			20.43 (519)			106 (48)	21.69 (551)					109 (50)
CVVM05-6145DBY	1/2 x 4 (0.4 x 4)	5.67 (144)	22.05 (560)	3.82 (97)	ø5.94 (ø151)	113 (52)	23.74 (603)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	119 (54)
CVVM05-6145DBY-AV												
CVVM08-6145DBY	3/4 x 4 (0.55 x 4)					111 (51)						117 (53)
CVVM08-6145DBY-AV		5.86 (149)	23.35 (593)	3.94 (100)	ø6.30 (ø160)	122 (55)	25.79 (655)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	132 (60)
CVVM1-6145Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	21.30 (541)	3.82 (97)	□6.22 (□158)	127 (58)	23.80 (605)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	137 (63)
CVVM1-6145DBY-EP			23.78 (604)				26.28 (668)					136 (62)
CVVM1H-6145Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	22.36 (568)		□6.57 (□167)	134 (61)	25.10 (638)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	146 (66)
CVVM1H-6145DBY-EP			24.84 (631)				27.58 (701)					
CVVM2-6145Y-EP	2 x 4 (1.5 x 4)		22.36 (568)			137 (63)	25.10 (638)					149 (68)
CVVM2-6145DBY-EP			24.84 (631)			137 (62)	27.58 (701)					
CVVM2-6145DCY-EP			25.39 (645)			139 (64)	28.13 (715)					151 (69)
CVVM3-6145Y-EP	3 x 4 (2.2 x 4)	6.71 (170)	21.77 (553)	4.53 (115)	□7.24 (□184)	149 (68)	24.84 (631)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	165 (75)
CVVM3-6145DBY-EP			25.67 (652)			153 (70)	28.74 (730)					170 (77)
CVVM3-6145DCY-EP			26.22 (666)			156 (71)	29.29 (744)					172 (78)
CVVM5-6145Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	23.03 (585)	4.65 (118)	□8.74 (□222)	173 (79)	26.59 (676)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	197 (90)
CVVM8-6145Y-EP	7.5 x 4 (5.5 x 4)		24.72 (628)			207 (94)	28.29 (719)					231 (105)
CVVM10-6145Y-EP	10 x 4 (7.5 x 4)	9.04 (230)	26.22 (666)	5.43 (138)	□10.24 (□260)	234 (106)	30.35 (771)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	278 (126)
CVVM15-6145Y-EP	15 x 4 (11 x 4)		28.66 (728)			247 (112)	32.80 (833)					291 (132)
CVVM20-6145Y-EP	20 x 4 (15 x 4)	10.26 (261)	31.10 (790)	7.01 (178)	ø12.49 (ø317)	327 (149)	36.40 (925)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	413 (188)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Vertical V-Flange Mount

CVVM05-6165DCY ▸ CVVM30-6165Y-EP



Extension for **D**ouble reductions only, XXXX-6XXX**D**XX

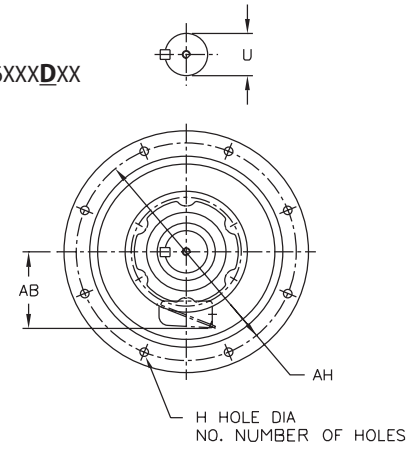


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CVVM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

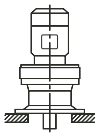
Model CVVM	A	B	G	H	NO.	M	O	P	AH
6160Y 6165Y	13.39 (340)	10.63 (270)	0.79 (20)	0.43 (11)	6	3.50 (89)	-	0.16 (4)	12.20 (310)

All dimensions are in inches (mm)

Model CVVM	Low Speed Shaft				
	U*	V	S	L1	Key
6160Y 6165Y	2.25 (57.15)	3.19 (81)	3/8-16UNC	0.79 (20)	1/2 x 1/2 x 2.95 (12.7 x 12.7 x 75)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified. Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Vertical V-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

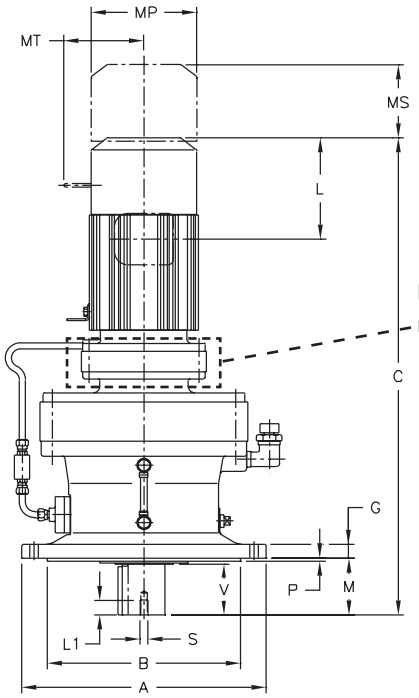
CVVM05-6165DCY ▸ CVVM30-6165Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CVVM05-6165DCY	1/2 x 4 (0.4 x 4)	4.63 (118)	23.23 (590)	2.32 (59)	ø4.88 (ø124)	212 (96)	24.49 (622)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	215 (98)
CVVM05-6165DCY-AV		5.67 (144)	24.65 (626)	3.82 (97)	ø5.94 (ø151)	219 (100)	26.34 (669)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	225 (102)
CVVM08-6165DCY	3/4 x 4 (0.55 x 4)					216 (98)						222 (101)
CVVM08-6165DCY-AV		5.86 (149)	25.94 (659)	3.94 (100)	ø6.30 (ø160)	225 (102)	28.39 (721)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	236 (107)
CVVM1-6165DCY-EP	1 x 4 (0.75 x 4)	5.98 (152)	26.38 (670)	3.82 (97)	□6.22 (□158)	230 (104)	28.88 (734)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	240 (109)
CVVM1H-6165Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	24.25 (616)		□6.57 (□167)	208 (94)	26.99 (686)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	219 (100)
CVVM1H-6165DCY-EP			27.44 (697)			237 (108)	30.18 (767)					248 (113)
CVVM2-6165Y-EP	2 x 4 (1.5 x 4)		24.25 (616)			211 (96)	26.99 (686)					222 (101)
CVVM2-6165DCY-EP			27.44 (697)			240 (109)	30.18 (767)					251 (114)
CVVM3-6165Y-EP	3 x 4 (2.2 x 4)	6.71 (170)	23.66 (601)	4.53 (115)	□7.24 (□184)	221 (100)	26.73 (679)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	237 (108)
CVVM3-6165DCY-EP			26.85 (682)			253 (115)	29.92 (760)					269 (122)
CVVM5-6165Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	25.12 (638)	4.65 (118)	□8.74 (□222)	246 (112)	28.68 (729)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	
CVVM5-6165DCY-EP			28.31 (719)			278 (126)	31.87 (810)					302 (137)
CVVM8-6165Y-EP	7.5 x 4 (5.5 x 4)		26.81 (681)			279 (127)	30.37 (772)					303 (138)
CVVM8-6165DCY-EP			30.00 (762)			312 (142)	33.56 (853)					336 (153)
CVVM10-6165Y-EP	10 x 4 (7.5 x 4)	9.04 (230)	28.27 (718)	5.43 (138)	□10.24 (□260)	307 (140)	32.40 (823)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	352 (160)
CVVM15-6165Y-EP	15 x 4 (11 x 4)		30.71 (780)			320 (145)	34.84 (885)					364 (165)
CVVM20-6165Y-EP	20 x 4 (15 x 4)	10.26 (261)	32.99 (838)	7.01 (178)	ø12.49 (ø317)	403 (183)	38.29 (973)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	489 (222)
CVVM25-6165Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	37.17 (944)	9.06 (230)	ø15.12 (ø384)	681 (309)	44.02 (1118)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		778 (353)
CVVM30-6165Y-EP	30 x 4 (22 x 4)											

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Vertical V-Flange Mount

CVVM05-6175DCY ▸ CVVM40-6175Y-EP



Extension for **D**ouble reductions only, XXXX-6XXX**D**XX

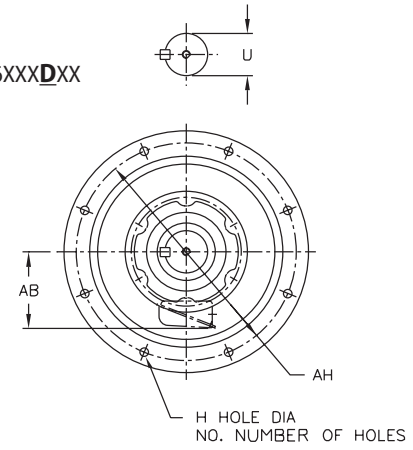


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CVVM units are oil lubricated standard, must be installed as shown above.

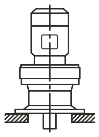
Dimensions are in inches (mm)

Model CVVM	A	B	G	H	NO.	M	O	P	AH
6170Y 6175Y	15.75 (400)	12.44 (316)	0.87 (22)	0.55 (14)	8	3.70 (94)	-	0.20 (5)	14.17 (360)

All dimensions are in inches (mm)

Model CVVM	Low Speed Shaft				
	U*	V	S	L1	Key
6170Y 6175Y	2.75 (69.85)	3.19 (81)	1/2-13UNC	0.94 (24)	5/8 x 5/8 x 3.15 (15.87 x 15.87 x 80)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Vertical V-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

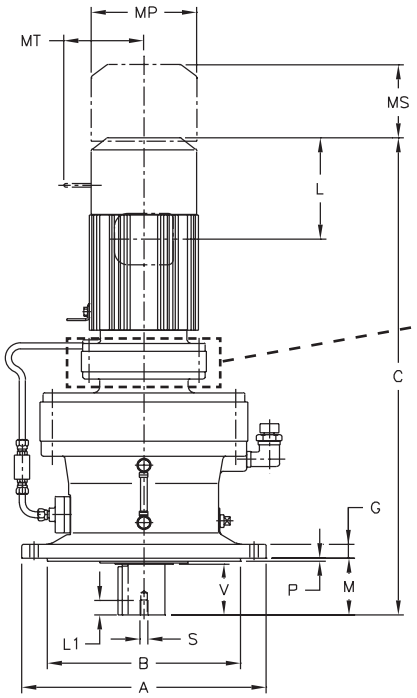
CVVM05-6175DCY ▸ CVVM40-6175Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CVVM05-6175DCY	1/2 x 4 (0.4 x 4)	4.63 (118)	25.08 (637)	2.32 (59)	ø4.88 (ø124)	289 (131)	26.34 (669)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	292 (133)
CVVM05-6175DCY-AV		5.67 (144)	26.50 (673)	3.82 (97)	ø5.94 (ø151)	296 (135)	28.19 (716)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	302 (137)
CVVM08-6175DCY	3/4 x 4 (0.55 x 4)					294 (133)						299 (136)
CVVM08-6175DCY-AV		5.86 (149)	27.80 (706)	3.94 (100)	ø6.30 (ø160)	302 (137)	30.24 (768)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	313 (142)
CVVM1-6175DAY-EP	1 x 4 (0.75 x 4)	5.98 (152)	27.52 (699)	3.82 (97)	□6.22 (□158)	285 (130)	30.02 (763)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	295 (134)
CVVM1-6175DCY-EP			28.23 (717)			307 (139)	30.73 (781)					317 (144)
CVVM1H-6175DCY-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	29.29 (744)		□6.57 (□167)	314 (143)	32.03 (814)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	325 (148)
CVVM2-6175DAY-EP	2 x 4 (1.5 x 4)		28.58 (726)			296 (134)	31.32 (796)					307 (140)
CVVM2-6175DCY-EP			29.29 (744)			317 (144)	32.03 (814)					328 (149)
CVVM3-6175DCY-EP	3 x 4 (2.2 x 4)	6.71 (170)	28.70 (729)	4.53 (115)	□7.24 (□184)	330 (150)	31.77 (807)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	347 (157)
CVVM5-6175Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	27.05 (687)	4.65 (118)	□8.74 (□222)	351 (159)	30.61 (778)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	375 (170)
CVVM5-6175DCY-EP			30.16 (766)			355 (161)	33.72 (857)					379 (172)
CVVM8-6175Y-EP	7.5 x 4 (5.5 x 4)		28.74 (730)			385 (175)	32.30 (821)					408 (186)
CVVM8-6175DCY-EP			31.85 (809)			389 (177)	35.41 (900)					413 (188)
CVVM10-6175Y-EP	10 x 4 (7.5 x 4)	9.04 (230)	29.57 (751)	5.43 (138)	□10.24 (□260)	413 (188)	33.70 (856)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	458 (208)
CVVM15-6175Y-EP	15 x 4 (11 x 4)		32.01 (813)			426 (194)	36.14 (918)					470 (214)
CVVM20-6175Y-EP	20 x 4 (15 x 4)	10.26 (261)	34.72 (882)	7.01 (178)	ø12.49 (ø317)	507 (230)	40.02 (1017)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	593 (269)
CVVM25-6175Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	38.90 (988)	9.06 (230)	ø15.12 (ø384)	786 (357)	45.75 (1162)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		883 (401)
CVVM30-6175Y-EP	30 x 4 (22 x 4)											
CVVM40-6175Y-EP	40 x 4 (30 x 4)		43.78 (1112)			899 (408)	50.63 (1286)					996 (452)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Vertical V-Flange Mount

CVVM1-6185DBY-EP ▸ CVVM50-6185Y-EP



Extension for **D**ouble reductions only, XXXX-6XXX**D**XX

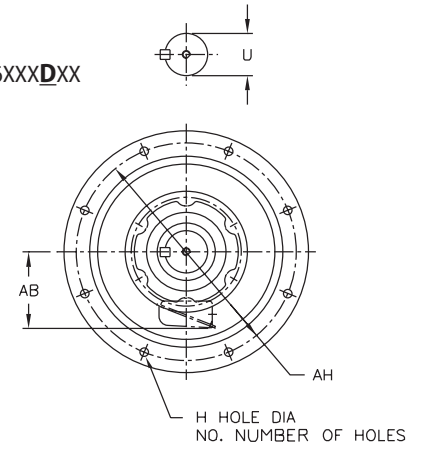


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CVVM units are oil lubricated standard, must be installed as shown above.

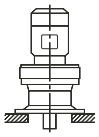
Dimensions are in inches (mm)

Model CVVM	A	B	G	H	NO.	M	O	P	AH
6180Y 6185Y	16.93 (430)	13.58 (345)	0.87 (22)	0.71 (18)	8	4.33 (110)	-	0.20 (5)	15.35 (390)

All dimensions are in inches (mm)

Model CVVM	Low Speed Shaft				
	U*	V	S	L1	Key
6180Y 6185Y	3.13 (79.375)	3.94 (100)	1/2-13UNC	0.94 (24)	3/4 x 3/4 x 3.74 (19.05 x 19.05 x 95)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Vertical V-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

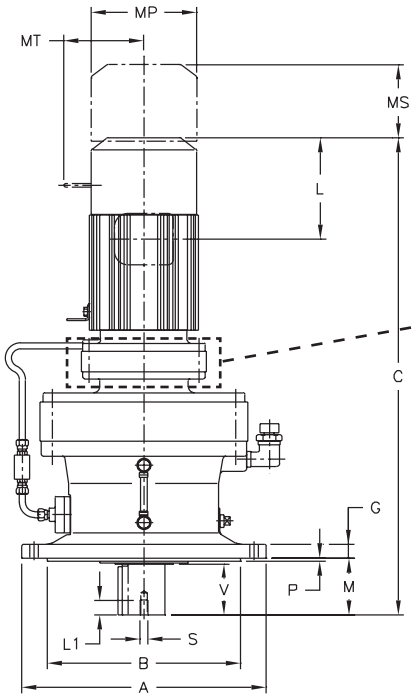
CVVM1-6185DBY-EP ▸ CVVM50-6185Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CVVM1-6185DBY-EP	1 x 4 (0.75 x 4)	5.98 (152)	30.59 (777)	3.82 (97)	□6.22 (□158)	410 (186)	33.09 (841)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	419 (191)
CVVM1H-6185DBY-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	31.65 (804)		□6.57 (□167)	416 (189)	34.39 (874)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	428 (194)
CVVM2-6185DAY-EP	2 x 4 (1.5 x 4)		30.79 (782)			371 (169)	33.52 (852)					382 (174)
CVVM2-6185DBY-EP			31.65 (804)			419 (191)	34.39 (874)					431 (196)
CVVM3-6185DBY-EP	3 x 4 (2.2 x 4)	6.71 (170)	31.06 (789)	4.53 (115)	□7.24 (□184)	431 (196)	34.13 (867)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	448 (203)
CVVM5-6185Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	28.50 (724)	4.65 (118)	□8.74 (□222)	403 (183)	32.07 (815)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	426 (194)
CVVM5-6185DBY-EP			32.32 (821)			455 (207)	35.89 (912)					479 (218)
CVVM8-6185Y-EP	7.5 x 4 (5.5 x 4)		30.20 (767)			436 (198)	33.76 (858)					460 (209)
CVVM8-6185DBY-EP			34.02 (864)			489 (222)	37.58 (955)					513 (233)
CVVM10-6185Y-EP	10 x 4 (7.5 x 4)	9.04 (230)	31.14 (791)	5.43 (138)	□10.24 (□260)	467 (212)	35.28 (896)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	511 (232)
CVVM10-6185DBY-EP			35.51 (902)			516 (234)	39.65 (1007)					560 (254)
CVVM15-6185Y-EP	15 x 4 (11 x 4)		33.58 (853)			480 (218)	37.72 (958)					524 (238)
CVVM15-6185DBY-EP			37.95 (964)			529 (240)	42.09 (1069)					573 (260)
CVVM20-6185Y-EP	20 x 4 (15 x 4)	10.26 (261)	36.18 (919)	7.01 (178)	ø12.49 (ø317)	559 (254)	41.48 (1054)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	645 (293)
CVVM25-6185Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	40.35 (1025)	9.06 (230)	ø15.12 (ø384)	836 (380)	47.20 (1199)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		933 (424)
CVVM30-6185Y-EP	30 x 4 (22 x 4)											
CVVM40-6185Y-EP	40 x 4 (30 x 4)		45.24 (1149)			950 (431)	52.09 (1323)					1047 (475)
CVVM50-6185Y-EP	50 x 4 (37 x 4)					1018 (462)	-	-	-	-		-

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Vertical V-Flange Mount

CVVM1-6195DAY-EP ▸ CVVM60-6195Y-EP



Extension for **D**ouble reductions only, XXXX-6XXX**D**XX

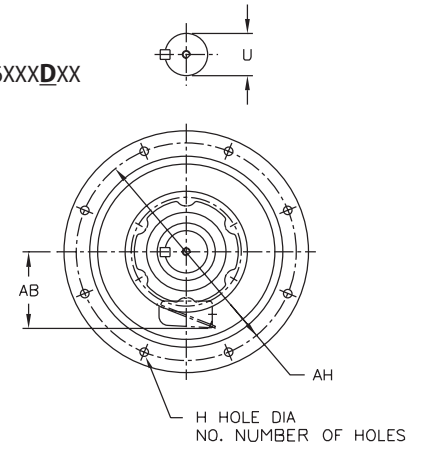


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CVVM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

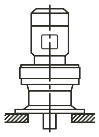
Model CVVM	A	B	G	H	NO.	M	O	P	AH
6190Y 6195Y	19.29 (490)	15.75 (400)	1.18 (30)	0.71 (18)	12	5.71 (145)	-	0.24 (6)	17.72 (450)

All dimensions are in inches (mm)

Model CVVM	Low Speed Shaft				
	U*	V	S	L1	Key
6190Y 6195Y	3.63 (92.075)	4.92 (125)	3/4-10UNC	1.34 (34)	7/8 x 7/8 x 4.92 (22.225 x 22.225 x 125)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified. Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Vertical V-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

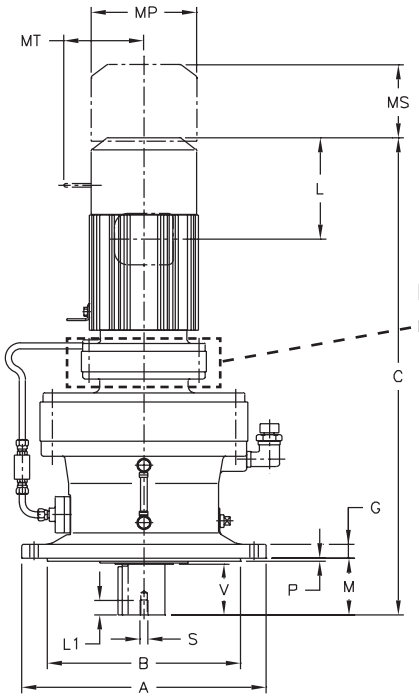
CVVM1-6195DAY-EP ▸ CVVM60-6195Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CVVM1-6195DAY-EP	1 x 4 (0.75 x 4)	5.98 (152)	32.95 (837)	3.82 (97)	□6.22 (□158)	536 (243)	35.45 (901)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	546 (248)
CVVM1H-6195DAY-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	34.02 (864)		□6.57 (□167)	543 (247)	36.75 (934)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	555 (252)
CVVM2-6195DAY-EP	2 x 4 (1.5 x 4)					546 (248)						558 (253)
CVVM3-6195DAY-EP	3 x 4 (2.2 x 4)	6.71 (170)	33.43 (849)	4.53 (115)	□7.24 (□184)	559 (254)	36.50 (927)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	576 (261)
CVVM3-6195DBY-EP			34.06 (865)			583 (265)	37.13 (943)					600 (272)
CVVM5-6195DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	34.88 (886)	4.65 (118)	□8.74 (□222)	585 (265)	38.44 (977)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	608 (276)
CVVM5-6195DBY-EP			35.31 (897)			607 (276)	38.88 (988)					631 (287)
CVVM8-6195Y-EP	7.5 x 4 (5.5 x 4)		33.78 (858)			599 (272)	37.34 (949)					623 (283)
CVVM8-6195DAY-EP			36.57 (929)			618 (281)	40.14 (1020)					642 (292)
CVVM8-6195DBY-EP			37.01 (940)			641 (291)	40.57 (1031)					665 (302)
CVVM10-6195Y-EP	10 x 4 (7.5 x 4)	9.04 (230)	34.02 (864)	5.43 (138)	□10.24 (□260)	630 (286)	38.15 (969)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	674 (306)
CVVM10-6195DBY-EP			38.50 (978)			668 (303)	42.64 (1083)					712 (323)
CVVM15-6195Y-EP	15 x 4 (11 x 4)		36.46 (926)			643 (292)	40.59 (1031)					687 (312)
CVVM15-6195DBY-EP			40.94 (1040)			681 (309)	45.08 (1145)					725 (329)
CVVM20-6195Y-EP	20 x 4 (15 x 4)	10.26 (261)	39.17 (995)	7.01 (178)	ø12.49 (ø317)	721 (327)	44.47 (1130)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	807 (366)
CVVM20-6195DBY-EP			43.39 (1102)			761 (346)	48.68 (1237)					847 (385)
CVVM25-6195Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	43.35 (1101)	9.06 (230)	ø15.12 (ø384)	999 (454)	50.20 (1275)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		1096 (498)
CVVM30-6195Y-EP	30 x 4 (22 x 4)											
CVVM40-6195Y-EP	40 x 4 (30 x 4)		48.23 (1225)			1112 (505)	55.08 (1399)					1209 (549)
CVVM50-6195Y-EP	50 x 4 (37 x 4)					1181 (536)	-	-	-	-		-
CVVM60-6195Y-EP	60 x 4 (45 x 4)	16.33 (415)	49.69 (1262)	16.81 (427)	ø18.66 (ø474)	1309 (594)						

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Vertical V-Flange Mount

CVVM1-6205DAY-EP ▸ CVVM75-6205Y-EP



Extension for **D**ouble reductions only, XXXX-6XXX**D**XX

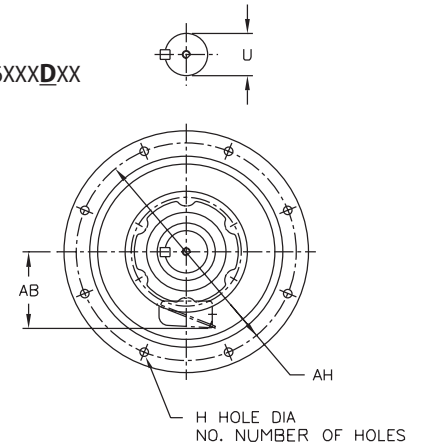


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CVVM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

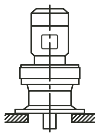
Model CVVM	A	B	G	H	NO.	M	O	P	AH
6205Y	17.91 (455)	13.98 (355)	1.18 (30)	0.87 (22)	8	8.03 (204)	-	0.20 (5)	15.94 (405)

All dimensions are in inches (mm)

Model CVVM	Low Speed Shaft				
	U*	V	S	L1	Key
6205Y	3.88 (98.425)	6.50 (165)	3/4-10UNC	1.34 (34)	1 x 1 x 6.5 (25.4 x 25.4 x 165)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified. Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Vertical V-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

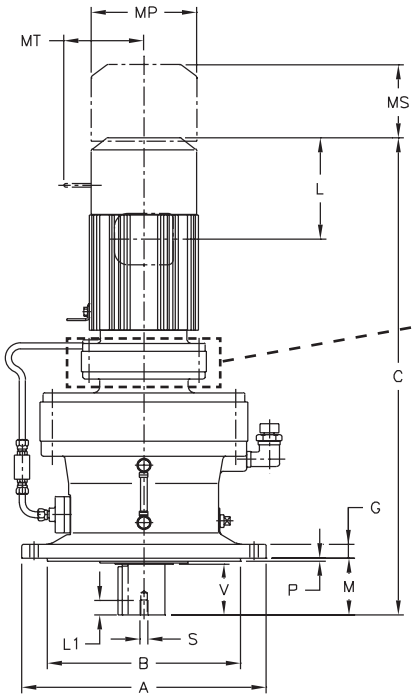
CVVM1-6205DAY-EP ▸ CVVM75-6205Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CVVM1-6205DAY-EP	1 x 4 (0.75 x 4)	5.98 (152)	34.57 (878)	3.82 (97)	□6.22 (□158)	574 (260)	37.07 (942)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	583 (265)
CVVM2-6205DAY-EP	2 x 4 (1.5 x 4)	6.16 (156)	35.63 (905)		□6.57 (□167)	584 (265)	38.37 (975)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	595 (270)
CVVM3-6205DAY-EP	3 x 4 (2.2 x 4)	6.71 (170)	35.04 (890)	4.53 (115)	□7.24 (□184)	597 (271)	38.11 (968)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	613 (278)
CVVM3-6205DBY-EP			36.10 (917)			623 (283)	39.17 (995)					639 (290)
CVVM5-6205DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	36.50 (927)	4.65 (118)	□8.74 (□222)	622 (282)	40.06 (1018)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	646 (293)
CVVM5-6205DBY-EP			37.36 (949)			647 (294)	40.93 (1040)					671 (305)
CVVM8-6205DAY-EP	7.5 x 4 (5.5 x 4)		38.19 (970)			656 (298)	41.75 (1061)					680 (309)
CVVM8-6205DBY-EP			39.06 (992)			681 (309)	42.62 (1083)					705 (320)
CVVM10-6205DBY-EP	10 x 4 (7.5 x 4)	9.04 (230)	40.55 (1030)	5.43 (138)	□10.24 (□260)	708 (321)	44.69 (1135)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	752 (341)
CVVM15-6205Y-EP	15 x 4 (11 x 4)		37.97 (965)			679 (308)	42.11 (1070)					723 (328)
CVVM15-6205DBY-EP			42.99 (1092)			721 (327)	47.13 (1197)					765 (347)
CVVM20-6205Y-EP	20 x 4 (15 x 4)	10.26 (261)	41.02 (1042)	7.01 (178)	ø12.49 (ø317)	767 (348)	46.32 (1177)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	853 (387)
CVVM20-6205DBY-EP			45.43 (1154)			801 (364)	50.73 (1289)					887 (403)
CVVM25-6205Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	44.80 (1138)	9.06 (230)	ø15.12 (ø384)	1040 (472)	51.65 (1312)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		1137 (516)
CVVM30-6205Y-EP	30 x 4 (22 x 4)											
CVVM40-6205Y-EP	40 x 4 (30 x 4)		49.69 (1262)			1153 (523)	56.54 (1436)					1250 (567)
CVVM50-6205Y-EP	50 x 4 (37 x 4)					1221 (554)	-	-	-	-		-
CVVM60-6205Y-EP	60 x 4 (45 x 4)	16.33 (415)	51.14 (1299)	16.81 (427)	ø18.66 (ø474)	1354 (615)						
CVVM75-6205Y-EP	75 x 4 (55 x 4)					1434 (651)						

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Vertical V-Flange Mount

CVVM2-6215DAY-EP ▸ CVVM75-6215Y-EP



Extension for **D**ouble reductions only, XXXX-6XXX**D**XX

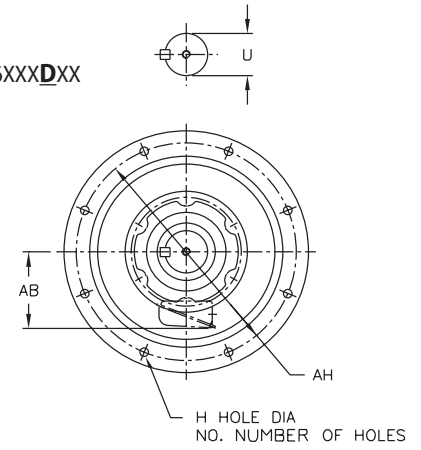


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CVVM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

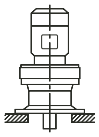
Model CVVM	A	B	G	H	NO.	M	O	P	AH
6215Y	19.29 (490)	15.35 (390)	1.38 (35)	0.94 (24)	8	7.99 (203)	-	0.28 (7)	17.32 (440)

All dimensions are in inches (mm)

Model CVVM	Low Speed Shaft				
	U*	V	S	L1	Key
6215Y	4.25 (107.95)	6.50 (165)	3/4-10UNC	1.34 (34)	1 x 1 x 6.5 (25.4 x 25.4 x 165)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified. Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Vertical V-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

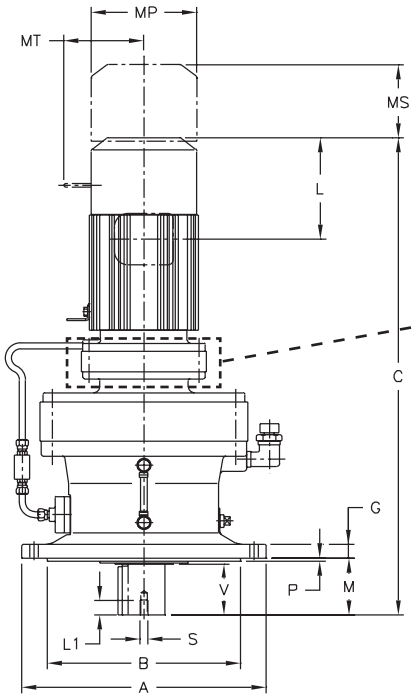
CVVM2-6215DAY-EP ▸ CVVM75-6215Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CVVM2-6215DAY-EP	2 x 4 (1.5 x 4)	6.16 (156)	37.72 (958)	3.82 (97)	□6.57 (□167)	777 (353)	40.45 (1028)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	788 (358)
CVVM3-6215DAY-EP	3 x 4 (2.2 x 4)	6.71 (170)	37.13 (943)	4.53 (115)	□7.24 (□184)	788 (358)	40.20 (1021)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	805 (365)
CVVM5-6215DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	38.39 (975)	4.65 (118)	□8.74 (□222)	812 (369)	41.95 (1066)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	836 (380)
CVVM5-6215DBY-EP			39.57 (1005)			854 (388)	43.13 (1096)					878 (398)
CVVM8-6215DAY-EP	7.5 x 4 (5.5 x 4)		40.08 (1018)			846 (384)	43.64 (1109)					870 (395)
CVVM8-6215DBY-EP			41.26 (1048)			888 (403)	44.82 (1139)					912 (414)
CVVM10-6215DAY-EP	10 x 4 (7.5 x 4)	9.04 (230)	41.57 (1056)	5.43 (138)	□10.24 (□260)	873 (396)	45.71 (1161)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	918 (416)
CVVM10-6215DBY-EP			42.72 (1085)			916 (416)	46.85 (1190)					960 (436)
CVVM15-6215Y-EP	15 x 4 (11 x 4)		39.29 (998)			846 (384)	43.43 (1103)					890 (404)
CVVM15-6215DAY-EP			44.02 (1118)			886 (402)	48.15 (1223)					930 (422)
CVVM15-6215DBY-EP			45.16 (1147)			928 (421)	49.29 (1252)					973 (441)
CVVM20-6215Y-EP	20 x 4 (15 x 4)	10.26 (261)	41.97 (1066)	7.01 (178)	ø12.49 (ø317)	931 (422)	47.26 (1201)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	1017 (461)
CVVM20-6215DAY-EP			46.46 (1180)			966 (439)	51.75 (1315)					1052 (478)
CVVM20-6215DBY-EP			47.44 (1205)			1012 (459)	52.74 (1340)					1098 (498)
CVVM25-6215Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	45.75 (1162)	9.06 (230)	ø15.12 (ø384)	1198 (544)	52.60 (1336)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		1295 (588)
CVVM25-6215DBY-EP			51.61 (1311)			1289 (585)	58.46 (1485)					1386 (629)
CVVM30-6215Y-EP	30 x 4 (22 x 4)		45.75 (1162)			1198 (544)	52.60 (1336)					1295 (588)
CVVM30-6215DBY-EP			51.61 (1311)			1289 (585)	58.46 (1485)					1386 (629)
CVVM40-6215Y-EP	40 x 4 (30 x 4)		50.63 (1286)			1311 (595)	57.48 (1460)					1408 (639)
CVVM50-6215Y-EP	50 x 4 (37 x 4)					1379 (626)	-	-	-	-	-	-
CVVM60-6215Y-EP	60 x 4 (45 x 4)	16.33 (415)	52.09 (1323)	16.81 (427)	ø18.66 (ø474)	1507 (684)						
CVVM75-6215Y-EP	75 x 4 (55 x 4)					1588 (720)						

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Vertical V-Flange Mount

CVVM2-6225DAY-EP ▸ CVVM50-6235DBY-EP



Extension for **D**ouble reductions only, XXXX-6XXX**D**XX

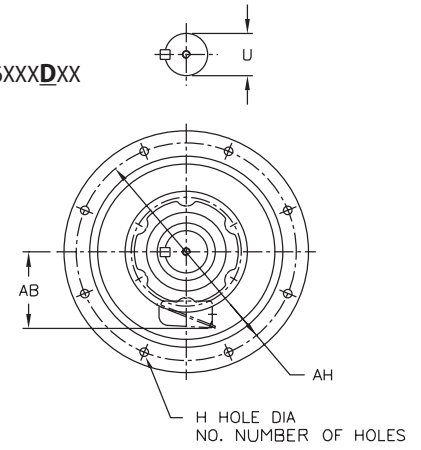


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CVVM units are oil lubricated standard, must be installed as shown above.

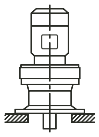
Dimensions are in inches (mm)

Model CVVM	A	B	G	H	NO.	M	O	P	AH
6225Y	19.29 (490)	15.35 (390)	1.38 (35)	0.94 (24)	8	7.99 (203)	-	0.28 (7)	17.32 (440)
6235Y	22.44 (570)	17.72 (450)	1.57 (40)	1.06 (27)	8	9.84 (250)	-	0.39 (10)	20.08 (510)

All dimensions are in inches (mm)

Model CVVM	Low Speed Shaft				
	U*	V	S	L1	Key
6225Y	4.25 (107.95)	6.50 (165)	3/4-10UNC	1.34 (34)	1 x 1 x 6.5 (25.4 x 25.4 x 165)
6235Y	5.00 (127)	7.87 (200)	1-8UNC	1.61 (41)	1-1/4 x 7/8 x 7.87 (31.75 x 22.225 x 200)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Vertical V-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

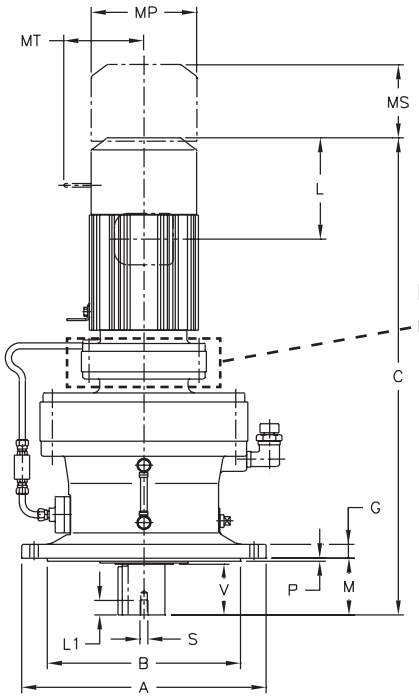
CVVM2-6225DAY-EP ▸ CVVM50-6235DBY-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CVVM2-6225DAY-EP	2 x 4 (1.5 x 4)	6.16 (156)	39.37 (1000)	3.82 (97)	□6.57 (□167)	942 (428)	42.11 (1070)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	954 (433)
CVVM3-6225DAY-EP	3 x 4 (2.2 x 4)	6.71 (170)	38.78 (985)	4.53 (115)	□7.24 (□184)	953 (433)	41.85 (1063)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	970 (440)
CVVM5-6225DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	40.04 (1017)	4.65 (118)	□8.74 (□222)	978 (444)	43.60 (1108)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	1001 (455)
CVVM5-6225DBY-EP			42.13 (1070)			1078 (489)	45.69 (1161)					1102 (500)
CVVM8-6225DAY-EP	7.5 x 4 (5.5 x 4)		41.73 (1060)			1012 (459)	45.30 (1151)					1036 (470)
CVVM8-6225DBY-EP			43.82 (1113)			1112 (505)	47.38 (1204)					1136 (516)
CVVM10-6225DAY-EP	10 x 4 (7.5 x 4)	9.04 (230)	43.23 (1098)	5.43 (138)	□10.24 (□260)	1039 (471)	47.36 (1203)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	1083 (491)
CVVM10-6225DBY-EP			44.65 (1134)			1141 (518)	48.78 (1239)					1185 (538)
CVVM15-6225DAY-EP	15 x 4 (11 x 4)		45.67 (1160)			1051 (477)	49.80 (1265)					1095 (497)
CVVM15-6225DBY-EP			47.09 (1196)			1154 (524)	51.22 (1301)					1198 (544)
CVVM20-6225DAY-EP	20 x 4 (15 x 4)	10.26 (261)	48.11 (1222)	7.01 (178)	ø12.49 (ø317)	1132 (514)	53.41 (1357)	12.30 (313)	ø12.61 (ø320)	9.53 (242)		1218 (553)
CVVM20-6225DBY-EP			49.80 (1265)			1234 (560)	55.10 (1400)					1320 (599)
CVVM25-6225Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	47.32 (1202)	9.06 (230)	ø15.12 (ø384)	1397 (634)	54.17 (1376)	15.91 (404)	ø15.28 (ø388)	12.13 (308)	-	1494 (678)
CVVM25-6225DBY-EP			53.98 (1371)			1513 (687)	60.83 (1545)					1610 (731)
CVVM30-6225Y-EP	30 x 4 (22 x 4)		47.32 (1202)			1397 (634)	54.17 (1376)					1494 (678)
CVVM30-6225DBY-EP			53.98 (1371)			1513 (687)	60.83 (1545)					1610 (731)
CVVM40-6225Y-EP	40 x 4 (30 x 4)		52.20 (1326)			1510 (685)	59.06 (1500)					1607 (729)
CVVM40-6225DBY-EP			58.86 (1495)			1627 (738)	65.71 (1669)					1724 (782)
CVVM50-6225Y-EP	50 x 4 (37 x 4)		52.20 (1326)			1578 (716)	-	-	-	-	-	-
CVVM60-6225Y-EP	60 x 4 (45 x 4)	16.33 (415)	53.66 (1363)	16.81 (427)	ø18.66 (ø474)	1703 (773)						
CVVM75-6225Y-EP	75 x 4 (55 x 4)					1783 (809)						
CVVM3-6235DAY-EP	3 x 4 (2.2 x 4)	6.71 (170)	42.17 (1071)	4.53 (115)	□7.24 (□184)	1171 (531)	45.24 (1149)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	1188 (539)
CVVM5-6235DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	43.62 (1108)	4.65 (118)	□8.74 (□222)	1196 (543)	47.19 (1199)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	1220 (553)
CVVM8-6235DAY-EP	7.5 x 4 (5.5 x 4)		45.31 (1151)			1230 (558)	48.88 (1242)					1254 (569)
CVVM10-6235DAY-EP	10 x 4 (7.5 x 4)	9.04 (230)	46.77 (1188)	5.43 (138)	□10.24 (□260)	1258 (571)	50.91 (1293)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	1302 (591)
CVVM15-6235DAY-EP	15 x 4 (11 x 4)		49.21 (1250)			1270 (576)	53.35 (1355)					1314 (596)
CVVM15-6235DBY-EP			49.76 (1264)			1348 (612)	53.90 (1369)					1392 (632)
CVVM20-6235DAY-EP	20 x 4 (15 x 4)	10.26 (261)	51.50 (1308)	7.01 (178)	ø12.49 (ø317)	1353 (614)	56.79 (1443)	12.30 (313)	ø12.61 (ø320)	9.53 (242)		1439 (653)
CVVM20-6235DBY-EP			52.36 (1330)			1428 (648)	57.66 (1465)					1514 (687)
CVVM25-6235DAY-EP	25 x 4 (18.5 x 4)	13.39 (340)	55.67 (1414)	9.06 (230)	ø15.12 (ø384)	1631 (740)	62.52 (1588)	15.91 (404)	ø15.28 (ø388)	12.13 (308)	-	1728 (784)
CVVM25-6235DBY-EP			56.54 (1436)			1705 (774)	63.39 (1610)					1802 (818)
CVVM30-6235DAY-EP	30 x 4 (22 x 4)		55.67 (1414)			1631 (740)	62.52 (1588)					1728 (784)
CVVM30-6235DBY-EP			56.54 (1436)			1705 (774)	63.39 (1610)					1802 (818)
CVVM40-6235DBY-EP	40 x 4 (30 x 4)		61.42 (1560)			1818 (825)	68.27 (1734)					1915 (869)
CVVM50-6235DBY-EP	50 x 4 (37 x 4)					1886 (856)	-	-	-	-	-	-

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Vertical V-Flange Mount

CVVM3-6245DAY-EP ▸ CVVM60-6255DBY-EP



Extension for **D**ouble reductions only, XXXX-6XXX**D**XX

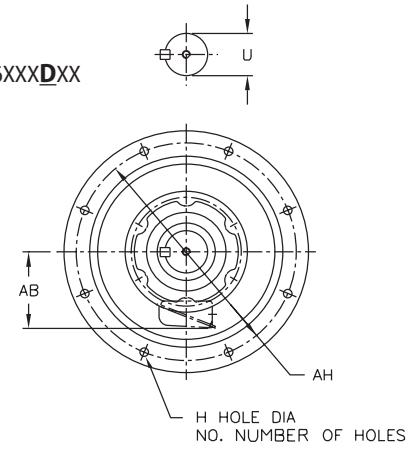


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CVVM units are oil lubricated standard, must be installed as shown above.

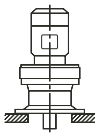
Dimensions are in inches (mm)

Model CVVM	A	B	G	H	NO.	M	O	P	AH
6245Y	25.00 (635)	19.09 (485)	1.57 (40)	1.30 (33)	8	9.84 (250)	-	0.39 (10)	22.05 (560)
6255Y	26.97 (685)	21.06 (535)	1.77 (45)	1.30 (33)	8	11.61 (295)	-	0.39 (10)	24.02 (610)

All dimensions are in inches (mm)

Model CVVM	Low Speed Shaft				
	U*	V	S	L1	Key
6245Y	5.50 (139.7)	7.87 (200)	1-8UNC	1.61 (41)	1-1/4 x 7/8 x 7.87 (31.75 x 22.225 x 200)
6255Y	6.25 (158.75)	9.45 (240)	1-1/4-7UNC	2.05 (52)	1-1/2 x 1 x 9.45 (38.1 x 25.4 x 240)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Vertical V-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

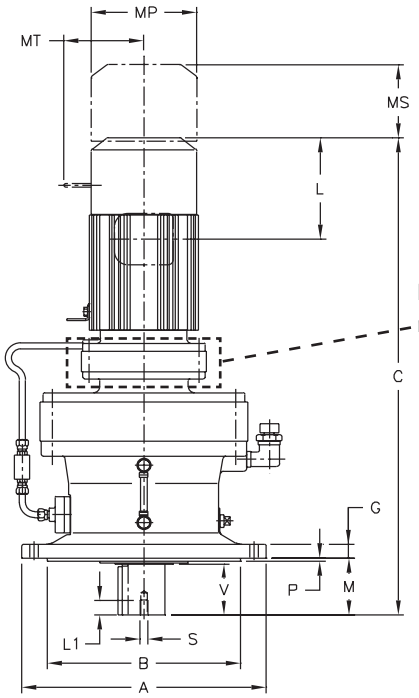
CVVM3-6245DAY-EP ▸ CVVM60-6255DBY-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CVVM3-6245DAY-EP	3 x 4 (2.2 x 4)	6.71 (170)	43.66 (1109)	4.53 (115)	□7.24 (□184)	1378 (625)	46.73 (1187)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	1395 (633)
CVVM5-6245DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	45.12 (1146)	4.65 (118)	□8.74 (□222)	1403 (637)	48.68 (1237)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	1427 (647)
CVVM8-6245DAY-EP	7.5 x 4 (5.5 x 4)		46.81 (1189)			1437 (652)	50.37 (1280)					1461 (663)
CVVM10-6245DAY-EP	10 x 4 (7.5 x 4)	9.04 (230)	48.27 (1226)	5.43 (138)	□10.24 (□260)	1465 (665)	52.40 (1331)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	1509 (685)
CVVM15-6245DAY-EP	15 x 4 (11 x 4)		50.71 (1288)			1477 (670)	54.84 (1393)					1522 (690)
CVVM15-6245DBY-EP			51.22 (1301)			1544 (701)	55.35 (1406)					1589 (721)
CVVM20-6245DAY-EP	20 x 4 (15 x 4)	10.26 (261)	52.99 (1346)	7.01 (178)	ø12.49 (ø317)	1561 (708)	58.29 (1481)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	1647 (747)
CVVM20-6245DBY-EP			53.82 (1367)			1624 (737)	59.11 (1502)					1710 (776)
CVVM25-6245DAY-EP	25 x 4 (18.5 x 4)	13.39 (340)	57.17 (1452)	9.06 (230)	ø15.12 (ø384)	1838 (834)	64.02 (1626)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		1935 (878)
CVVM25-6245DBY-EP			57.99 (1473)			1901 (863)	64.84 (1647)					1998 (907)
CVVM30-6245DAY-EP	30 x 4 (22 x 4)		57.17 (1452)			1838 (834)	64.02 (1626)					1935 (878)
CVVM30-6245DBY-EP			57.99 (1473)			1901 (863)	64.84 (1647)					1998 (907)
CVVM40-6245DBY-EP	40 x 4 (30 x 4)		62.87 (1597)			2014 (914)	69.72 (1771)					2111 (958)
CVVM50-6245DBY-EP	50 x 4 (37 x 4)					2083 (945)	-	-	-	-		-
CVVM5-6255DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	50.83 (1291)	4.65 (118)	□8.74 (□222)	2114 (959)	54.39 (1382)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	2138 (970)
CVVM8-6255DAY-EP	7.5 x 4 (5.5 x 4)		52.52 (1334)			2148 (975)	56.08 (1425)					2172 (986)
CVVM10-6255DAY-EP	10 x 4 (7.5 x 4)	9.04 (230)	53.35 (1355)	5.43 (138)	□10.24 (□260)	2177 (988)	57.48 (1460)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	2221 (1008)
CVVM15-6255DAY-EP	15 x 4 (11 x 4)		55.79 (1417)			2190 (994)	59.92 (1522)					2234 (1014)
CVVM15-6255DBY-EP			56.65 (1439)			2336 (1060)	60.79 (1544)					2380 (1080)
CVVM20-6255DAY-EP	20 x 4 (15 x 4)	10.26 (261)	58.50 (1486)	7.01 (178)	ø12.49 (ø317)	2270 (1030)	63.80 (1621)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	2356 (1069)
CVVM20-6255DBY-EP			59.37 (1508)			2414 (1095)	64.67 (1643)					2500 (1134)
CVVM25-6255DAY-EP	25 x 4 (18.5 x 4)	13.39 (340)	62.68 (1592)	9.06 (230)	ø15.12 (ø384)	2550 (1157)	69.53 (1766)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		2647 (1201)
CVVM25-6255DBY-EP			63.54 (1614)			2692 (1222)	70.39 (1788)					2789 (1266)
CVVM30-6255DAY-EP	30 x 4 (22 x 4)		62.68 (1592)			2550 (1157)	69.53 (1766)					2647 (1201)
CVVM30-6255DBY-EP			63.54 (1614)			2692 (1222)	70.39 (1788)					2789 (1266)
CVVM40-6255DAY-EP	40 x 4 (30 x 4)		67.56 (1716)			2663 (1208)	74.41 (1890)					2760 (1252)
CVVM40-6255DBY-EP			68.43 (1738)			2805 (1273)	75.28 (1912)					2902 (1317)
CVVM50-6255DBY-EP	50 x 4 (37 x 4)					2874 (1304)	-	-	-	-		-
CVVM60-6255DBY-EP	60 x 4 (45 x 4)	16.33 (415)	69.88 (1775)	16.81 (427)	ø18.66 (ø474)	3002 (1362)						

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Vertical V-Flange Mount

CVVM8-6265DAY-EP ▸ CVVM60-6275DAY-EP



Extension for **D**ouble reductions only, XXXX-6XXX**D**XX

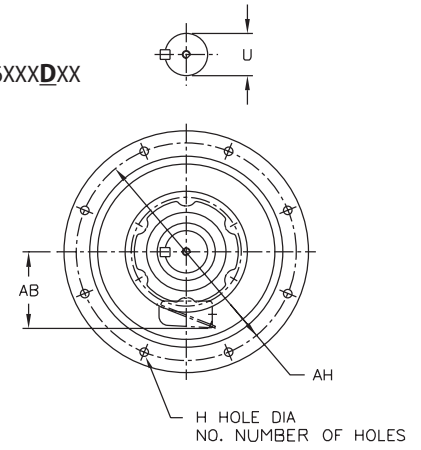


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CVVM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

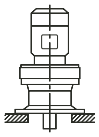
Model CVVM	A	B	G	H	NO.	M	O	P	AH
6265Y	29.53 (750)	22.44 (570)	1.97 (50)	1.14 (29)	8	14.17 (360)	-	0.39 (10)	25.98 (660)
6275Y	45.67 (1160)	35.43 (900)	2.36 (60)	1.54 (39)	8	13.98 (355)	-	0.39 (10)	40.16 (1020)

All dimensions are in inches (mm)

Model CVVM	Low Speed Shaft				
	U*	V	S	L1	Key
6265Y	6.63 (168.275)	11.81 (300)	1-1/4-7UNC	2.05 (52)	1-3/4 x 1-1/4 x 11.81 (44.45 x 31.75 x 300)
6275Y	7.00 (177.8)	12.60 (320)	1-1/4-7UNC	2.05 (52)	1-3/4 x 1-1/4 x 12.6 (44.45 x 31.75 x 330)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified. Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Vertical V-Flange Mount

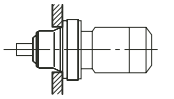
XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CVVM8-6265DAY-EP ▸ CVVM60-6275DAY-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CVVM8-6265DAY-EP	7.5 x 4 (5.5 x 4)	7.34 (186)	58.31 (1481)	4.65 (118)	□8.74 (□222)	2892 (1312)	61.87 (1572)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	2916 (1323)
CVVM10-6265DAY-EP	10 x 4 (7.5 x 4)	9.04 (230)	58.54 (1487)	5.43 (138)	□10.24 (□260)	2923 (1326)	62.68 (1592)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	2967 (1346)
CVVM15-6265DAY-EP	15 x 4 (11 x 4)		60.98 (1549)			2935 (1332)	65.12 (1654)					2980 (1352)
CVVM20-6265DAY-EP	20 x 4 (15 x 4)	10.26 (261)	63.70 (1618)	7.01 (178)	ø12.49 (ø317)	3014 (1367)	69.00 (1753)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	3100 (1406)
CVVM25-6265DAY-EP	25 x 4 (18.5 x 4)	13.39 (340)	67.87 (1724)	9.06 (230)	ø15.12 (ø384)	3292 (1494)	74.72 (1898)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		3389 (1538)
CVVM30-6265DAY-EP	30 x 4 (22 x 4)											
CVVM40-6265DAY-EP	40 x 4 (30 x 4)		72.76 (1848)			3405 (1545)	79.61 (2022)					3502 (1589)
CVVM50-6265DAY-EP	50 x 4 (37 x 4)					3473 (1576)	-	-	-	-		-
CVVM60-6265DAY-EP	60 x 4 (45 x 4)	16.33 (415)	74.21 (1885)	16.81 (427)	ø18.66 (ø474)	3602 (1634)						
CVVM10-6275DAY-EP	10 x 4 (7.5 x 4)	9.04 (230)	68.82 (1748)	5.43 (138)	□10.24 (□260)	5998 (2721)	72.95 (1853)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	6042 (2741)
CVVM15-6275DAY-EP	15 x 4 (11 x 4)		71.26 (1810)			6011 (2727)	75.39 (1915)					6055 (2747)
CVVM20-6275DAY-EP	20 x 4 (15 x 4)	10.26 (261)	73.98 (1879)	7.01 (178)	ø12.49 (ø317)	6089 (2762)	79.27 (2014)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	6175 (2801)
CVVM25-6275DAY-EP	25 x 4 (18.5 x 4)	13.39 (340)	78.15 (1985)	9.06 (230)	ø15.12 (ø384)	6367 (2889)	85.00 (2159)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		6464 (2933)
CVVM30-6275DAY-EP	30 x 4 (22 x 4)											
CVVM40-6275DAY-EP	40 x 4 (30 x 4)		83.03 (2109)			6481 (2940)	89.88 (2283)					6578 (2984)
CVVM50-6275DAY-EP	50 x 4 (37 x 4)					6549 (2971)	-	-	-	-		-
CVVM60-6275DAY-EP	60 x 4 (45 x 4)	16.33 (415)	84.49 (2146)	16.81 (427)	ø18.66 (ø474)	6677 (3029)						

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Universal F-Flange Mount



CNFM01-6065Y ▸ CNFM1-6085Y-EP

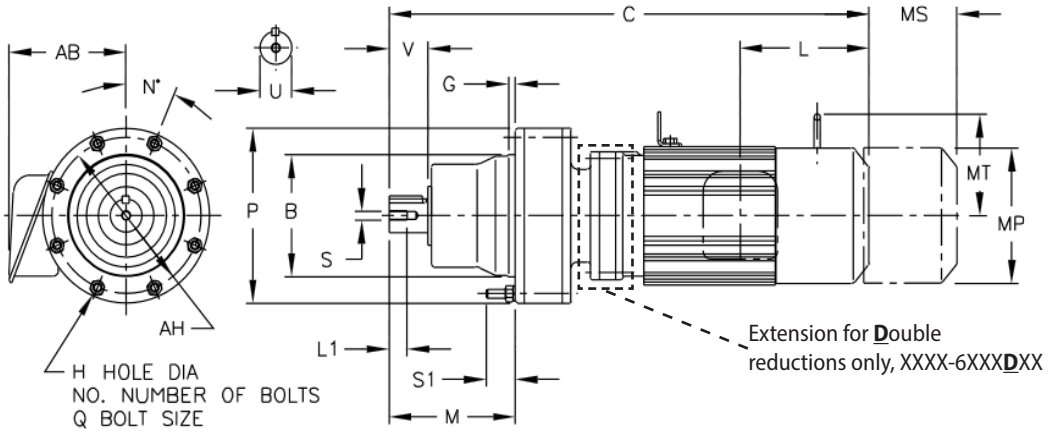


Table 1: Shaft Tolerances

All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CNFM units are greased for life, and can be mounted in any position.

Dimensions are in inches (mm)

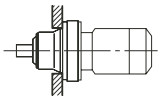
Model CNFM	B	G	H	NO.	M	N	P	Q	S1	AH
6060Y 6065Y	3.15 (80)	0.16 (4)	0.26 (6.6)	6	2.68 (68)	60	4.33 (110)	M6	0.94 (24)	3.86 (98)
6070Y 6075Y	3.15 (80)	0.16 (4)	0.26 (6.6)	6	2.91 (74)	60	4.33 (110)	M6	0.94 (24)	3.86 (98)
6080Y 6085Y	3.74 (95)	0.20 (5)	0.35 (9)	8	3.58 (91)	22.5	5.28 (134)	M8	1.06 (27)	4.65 (118)

All dimensions are in inches (mm)

Model CNFM	Low Speed Shaft				
	U*	V	S	L1	Key
6060Y 6065Y	0.50 (12.7)	0.98 (25)	10-32UNF	0.63 (16)	1/8 X 1/8 X 0.79 (3.175 x 3.175 x 20.07)
6070Y 6075Y	0.75 (19.05)	1.18 (30)	12-28UNF	0.63 (16)	3/16 X 3/16 X 1.18 (4.762 x 4.762 x 30)
6080Y 6085Y	0.88 (22.225)	1.38 (35)	12-28UNF	0.63 (16)	3/16 x 3/16 x 1.18 (4.762 x 4.762 x 30)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified.
Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Universal F-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CNFM01-6065Y ▸ CNFM1-6085Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CNFM01-6065Y	1/8 x 4 (0.1 x 4)	4.63 (118)	8.90 (226)	1.38 (35)	ø4.69 (ø119)	15 (7)	10.28 (261)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	18 (8)
CNFM01-6065DAY			10.20 (259)			18 (8)	11.57 (294)					21 (10)
CNFM01-6065Y-AV			10.55 (268)	2.32 (59)	ø4.88 (ø124)	17 (8)	11.81 (300)	3.58 (91)		2.40 (61)		20 (9)
CNFM01-6065DAY-AV			11.85 (301)			20 (9)	13.11 (333)					23 (11)
CNFM02-6065Y	1/4 x 4 (0.2 x 4)		10.55 (268)			17 (8)	11.81 (300)					20 (9)
CNFM02-6065Y-AV			11.34 (288)			20 (9)	12.60 (320)					23 (11)
CNFM03-6065Y	1/3 x 4 (0.25 x 4)		10.55 (268)			17 (8)	11.81 (300)					20 (9)
CNFM03-6065Y-AV			11.34 (288)			20 (9)	12.60 (320)					23 (11)
CNFM01-6075Y	1/8 x 4 (0.1 x 4)	4.63 (118)	9.13 (232)	1.38 (35)	ø4.69 (ø119)	15 (7)	10.51 (267)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	18 (8)
CNFM01-6075DAY			10.43 (265)			18 (8)	11.81 (300)					21 (10)
CNFM01-6075Y-AV			10.79 (274)	2.32 (59)	ø4.88 (ø124)	17 (8)	12.05 (306)	3.58 (91)		2.40 (61)		20 (9)
CNFM01-6075DAY-AV			12.09 (307)			20 (9)	13.35 (339)					23 (11)
CNFM02-6075Y	1/4 x 4 (0.2 x 4)		10.79 (274)			17 (8)	12.05 (306)					20 (9)
CNFM02-6075Y-AV			11.57 (294)			20 (9)	12.83 (326)					23 (11)
CNFM02-6075DAY			12.09 (307)				13.35 (339)					
CNFM02-6075DAY-AV			12.87 (327)			23 (11)	14.13 (359)					26 (12)
CNFM03-6075Y	1/3 x 4 (0.25 x 4)		10.79 (274)			17 (8)	12.05 (306)					20 (9)
CNFM03-6075Y-AV			11.57 (294)			20 (9)	12.83 (326)					23 (11)
CNFM05-6075Y	1/2 x 4 (0.4 x 4)											
CNFM01-6085Y	1/8 x 4 (0.1 x 4)	4.63 (118)	10.16 (258)	1.38 (35)	ø4.69 (ø119)	23 (11)	11.54 (293)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	26 (12)
CNFM01-6085Y-AV			11.81 (300)	2.32 (59)	ø4.88 (ø124)	25 (12)	13.07 (332)	3.58 (91)		2.40 (61)		28 (13)
CNFM02-6085Y	1/4 x 4 (0.2 x 4)											
CNFM02-6085Y-AV			12.60 (320)			28 (13)	13.86 (352)					31 (14)
CNFM03-6085Y	1/3 x 4 (0.25 x 4)		11.81 (300)			25 (12)	13.07 (332)					28 (13)
CNFM03-6085Y-AV			12.60 (320)			28 (13)	13.86 (352)					31 (14)
CNFM05-6085Y	1/2 x 4 (0.4 x 4)											
CNFM05-6085Y-AV		5.67 (144)	14.21 (361)	3.82 (97)	ø5.94 (ø151)	35 (16)	15.91 (404)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	41 (19)
CNFM08-6085Y	3/4 x 4 (0.55 x 4)					33 (15)						38 (18)
CNFM1-6085Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	15.85 (403)		□6.22 (□158)	46 (21)	18.35 (466)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	55 (25)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Universal F-Flange Mount

CNFM01-6095Y ▸ CNFM2-6095Y-EP

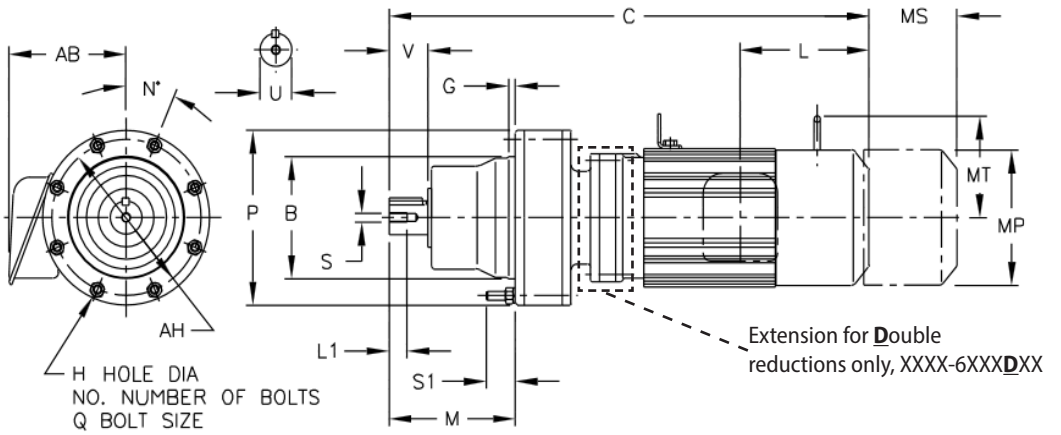


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CNFM units are greased for life, and can be mounted in any position.

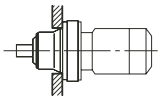
Dimensions are in inches (mm)

Model CNFM	B	G	H	NO.	M	N	P	Q	S1	AH
6090Y 6095Y	4.13 (105)	0.24 (6)	0.35 (9)	8	4.49 (114)	22.5	5.91 (150)	M8	1.14 (29)	5.28 (134)

All dimensions are in inches (mm)

Model CNFM	Low Speed Shaft				
	U*	V	S	L1	Key
6090Y 6095Y	1.13 (28.575)	1.38 (35)	5/16-18UNC	0.79 (20)	1/4 x 1/4 x 1.18 (6.35 x 6.35 x 30)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Universal F-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CNFM01-6095Y ▸ CNFM2-6095Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CNFM01-6095Y	1/8 x 4 (0.1 x 4)	4.63 (118)	10.87 (276)	1.38 (35)	ø4.69 (ø119)	25 (12)	12.24 (311)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	28 (13)
CNFM01-6095Y-AV			12.52 (318)	2.32 (59)	ø4.88 (ø124)	27 (13)	13.78 (350)	3.58 (91)		2.40 (61)		30 (14)
CNFM01-6095DAY			12.76 (324)	1.38 (35)	ø4.69 (ø119)	30 (14)	14.13 (359)	2.76 (70)		1.93 (49)		33 (15)
CNFM01-6095DAY-AV			14.41 (366)	2.32 (59)	ø4.88 (ø124)	32 (15)	15.67 (398)	3.58 (91)		2.40 (61)		35 (16)
CNFM02-6095Y	1/4 x 4 (0.2 x 4)		12.52 (318)			27 (13)	13.78 (350)					30 (14)
CNFM02-6095Y-AV			13.31 (338)			30 (14)	14.57 (370)					33 (15)
CNFM02-6095DAY			14.41 (366)			32 (15)	15.67 (398)					35 (16)
CNFM02-6095DAY-AV			15.20 (386)			35 (16)	16.46 (418)					38 (18)
CNFM03-6095Y	1/3 x 4 (0.25 x 4)		12.52 (318)			27 (13)	13.78 (350)					30 (14)
CNFM03-6095Y-AV			13.31 (338)			30 (14)	14.57 (370)					33 (15)
CNFM03-6095DAY			14.41 (366)			32 (15)	15.67 (398)					35 (16)
CNFM03-6095DAY-AV			15.20 (386)			35 (16)	16.46 (418)					38 (18)
CNFM05-6095Y	1/2 x 4 (0.4 x 4)		13.31 (338)			30 (14)	14.57 (370)					33 (15)
CNFM05-6095DAY			15.20 (386)			35 (16)	16.46 (418)					38 (18)
CNFM05-6095Y-AV		5.67 (144)	14.92 (379)	3.82 (97)	ø5.94 (ø151)	37 (17)	16.61 (422)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	43 (20)
CNFM08-6095Y	3/4 x 4 (0.55 x 4)					35 (16)						41 (19)
CNFM08-6095Y-AV		5.86 (149)	16.22 (412)	3.94 (100)	ø6.30 (ø160)	46 (21)	18.66 (474)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	56 (26)
CNFM1-6095Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	16.65 (423)	3.82 (97)	□6.22 (□158)	51 (23)	19.15 (487)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	60 (28)
CNFM1H-6095Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	17.72 (450)		□6.57 (□167)	58 (27)	20.45 (520)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	70 (32)
CNFM2-6095Y-EP	2 x 4 (1.5 x 4)					61 (28)						72 (33)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Universal F-Flange Mount

CNFM01-6105DAY ▸ CNFM5-6115Y-EP

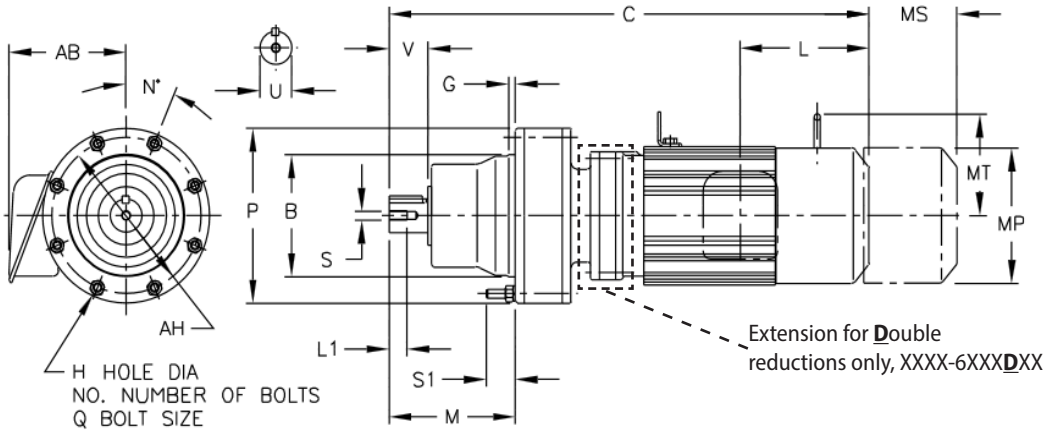


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CNFM units are greased for life, and can be mounted in any position.

Dimensions are in inches (mm)

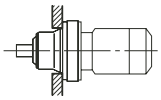
Model CNFM	B	G	H	NO.	M	N	P	Q	S1	AH
6100Y 6105Y	4.13 (105)	0.24 (6)	0.35 (9)	8	4.49 (114)	22.5	5.91 (150)	M8	1.10 (28)	5.28 (134)
6110Y 6115Y	4.53 (115)	0.24 (6)	0.35 (9)	8	4.65 (118)	22.5	6.38 (162)	M8	1.10 (28)	5.75 (146)

All dimensions are in inches (mm)

Model CNFM	Low Speed Shaft				
	U*	V	S	L1	Key
6100Y 6105Y	1.13 (28.575)	1.38 (35)	5/16-18UNC	0.79 (20)	1/4 x 1/4 x 1.18 (6.35 x 6.35 x 30)
6110Y 6115Y	1.25 (31.75)	1.77 (45)	5/16-18UNC	0.79 (20)	1/4 x 1/4 x 1.46 (6.35 x 6.35 x 37)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified. Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Universal F-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CNFM01-6105DAY ▸ CNFM5-6115Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CNFM01-6105DAY	1/8 x 4 (0.1 x 4)	4.63 (118)	13.31 (338)	1.38 (35)	ø4.69 (ø119)	34 (16)	14.69 (373)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	38 (17)
CNFM01-6105DAY-AV			14.96 (380)	2.32 (59)	ø4.88 (ø124)	37 (17)	16.22 (412)	3.58 (91)		2.40 (61)		40 (18)
CNFM02-6105Y	1/4 x 4 (0.2 x 4)		13.07 (332)			30 (14)	14.33 (364)					33 (15)
CNFM02-6105Y-AV			13.86 (352)			33 (15)	15.12 (384)					36 (16)
CNFM02-6105DAY			14.96 (380)			37 (17)	16.22 (412)					40 (18)
CNFM02-6105DAY-AV			15.75 (400)			40 (18)	17.01 (432)					43 (20)
CNFM03-6105Y	1/3 x 4 (0.25 x 4)		13.07 (332)			30 (14)	14.33 (364)					33 (15)
CNFM03-6105Y-AV			13.86 (352)			33 (15)	15.12 (384)					36 (16)
CNFM03-6105DAY			14.96 (380)			37 (17)	16.22 (412)					40 (18)
CNFM03-6105DAY-AV			15.75 (400)			40 (18)	17.01 (432)					43 (20)
CNFM05-6105Y	1/2 x 4 (0.4 x 4)		13.86 (352)			33 (15)	15.12 (384)					36 (16)
CNFM05-6105DAY			15.75 (400)			40 (18)	17.01 (432)					43 (20)
CNFM05-6105Y-AV		5.67 (144)	15.47 (393)	3.82 (97)	ø5.94 (ø151)		17.17 (436)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	46 (21)
CNFM08-6105Y	3/4 x 4 (0.55 x 4)					37 (17)						43 (20)
CNFM08-6105Y-AV		5.86 (149)	16.77 (426)	3.94 (100)	ø6.30 (ø160)	48 (22)	19.21 (488)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	59 (27)
CNFM1-6105Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	17.20 (437)	3.82 (97)	□6.22 (□158)	53 (24)	19.70 (501)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	63 (29)
CNFM1H-6105Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	18.27 (464)		□6.57 (□167)	60 (28)	21.00 (534)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	72 (33)
CNFM2-6105Y-EP	2 x 4 (1.5 x 4)					63 (29)						75 (34)
CNFM3-6105Y-EP	3 x 4 (2.2 x 4)	6.71 (170)	19.09 (485)	4.53 (115)	□7.24 (□184)	79 (36)	22.17 (563)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	96 (44)
CNFM05-6115Y	1/2 x 4 (0.4 x 4)	4.63 (118)	14.25 (362)	2.32 (59)	ø4.88 (ø124)	38 (18)	15.51 (394)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	41 (19)
CNFM05-6115Y-AV		5.67 (144)	15.87 (403)	3.82 (97)	ø5.94 (ø151)	45 (21)	17.56 (446)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	51 (23)
CNFM08-6115Y	3/4 x 4 (0.55 x 4)					42 (19)						48 (22)
CNFM08-6115Y-AV		5.86 (149)	17.17 (436)	3.94 (100)	ø6.30 (ø160)	51 (24)	19.61 (498)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	62 (28)
CNFM1-6115Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	17.60 (447)	3.82 (97)	□6.22 (□158)	56 (26)	20.10 (511)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	66 (30)
CNFM1H-6115Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	18.66 (474)		□6.57 (□167)	63 (29)	21.40 (544)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	75 (34)
CNFM2-6115Y-EP	2 x 4 (1.5 x 4)					66 (30)						78 (36)
CNFM3-6115Y-EP	3 x 4 (2.2 x 4)	6.71 (170)	18.54 (471)	4.53 (115)	□7.24 (□184)	78 (36)	21.61 (549)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	95 (43)
CNFM5-6115Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	19.61 (498)	4.65 (118)	□8.74 (□222)	104 (47)	23.17 (589)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	128 (58)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Universal F-Flange Mount

CNFM01-6125DBY ▸ CNFM8-6125Y-EP

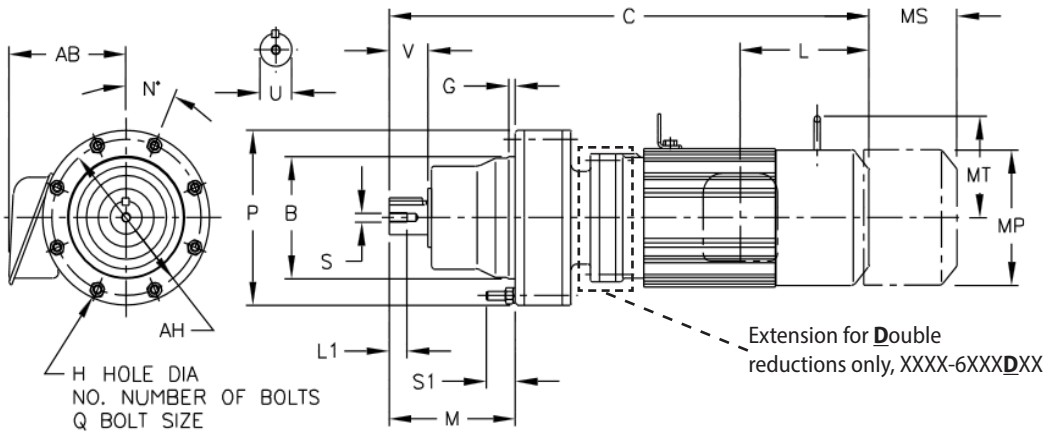


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CNFM units are greased for life, and can be mounted in any position.

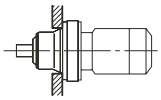
Dimensions are in inches (mm)

Model CNFM	B	G	H	NO.	M	N	P	Q	S1	AH
6120Y 6125Y	5.51 (140)	0.55 (14)	0.43 (11)	6	5.47 (139)	60	8.03 (204)	M10	1.30 (33)	7.09 (180)

All dimensions are in inches (mm)

Model CNFM	Low Speed Shaft				
	U*	V	S	L1	Key
6120Y 6125Y	1.50 (38.1)	2.17 (55)	5/16-18UNC	0.79 (20)	3/8 x 3/8 x 1.77 (9.525 x 9.525 x 45)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Universal F-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CNFM01-6125DBY ▸ CNFM8-6125Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CNFM01-6125DBY	1/8 x 4 (0.1 x 4)	4.63 (118)	15.20 (386)	1.38 (35)	ø4.69 (ø119)	61 (28)	16.57 (421)	2.76 (70)	ø4.88 (ø124)	1.93 (49)	-	65 (30)
CNFM01-6125DBY-AV			16.85 (428)	2.32 (59)		64 (29)	18.11 (460)	3.58 (91)		2.40 (61)		67 (30)
CNFM02-6125DAY	1/4 x 4 (0.2 x 4)		16.38 (416)		ø4.88 (ø124)	59 (27)	17.64 (448)					62 (28)
CNFM02-6125DBY			16.85 (428)			64 (29)	18.11 (460)					67 (30)
CNFM02-6125DAY-AV			17.17 (436)			62 (28)	18.43 (468)					65 (30)
CNFM02-6125DBY-AV			17.64 (448)			67 (30)	18.90 (480)					70 (32)
CNFM03-6125DBY	1/3 x 4 (0.25 x 4)		16.85 (428)			64 (29)	18.11 (460)					67 (30)
CNFM03-6125DBY-AV			17.64 (448)			67 (30)	18.90 (480)					70 (32)
CNFM05-6125Y	1/2 x 4 (0.4 x 4)		15.24 (387)			58 (26)	16.50 (419)					61 (28)
CNFM05-6125Y-AV		5.67 (144)	16.65 (423)	3.82 (97)	ø5.94 (ø151)	65 (30)	18.35 (466)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	71 (32)
CNFM05-6125DBY		4.63 (118)	17.64 (448)	2.32 (59)	ø4.88 (ø124)	67 (30)	18.90 (480)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	70 (32)
CNFM05-6125DBY-AV		5.67 (144)	19.25 (489)	3.82 (97)	ø5.94 (ø151)	74 (34)	20.94 (532)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	80 (36)
CNFM08-6125Y	3/4 x 4 (0.55 x 4)		16.65 (423)			62 (28)	18.35 (466)					68 (31)
CNFM08-6125Y-AV		5.86 (149)	17.95 (456)	3.94 (100)	ø6.30 (ø160)	71 (32)	20.39 (518)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	81 (37)
CNFM08-6125DBY		5.67 (144)	19.25 (489)	3.82 (97)	ø5.94 (ø151)	71 (33)	20.94 (532)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	77 (35)
CNFM08-6125DBY-AV		5.86 (149)	20.55 (522)	3.94 (100)	ø6.30 (ø160)	82 (37)	22.99 (584)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	93 (42)
CNFM1-6125Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	18.39 (467)	3.82 (97)	□6.22 (□158)	75 (34)	20.89 (531)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	85 (39)
CNFM1-6125DBY-EP			20.98 (533)			87 (40)	23.48 (597)					97 (44)
CNFM1H-6125Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	19.45 (494)		□6.57 (□167)	82 (38)	22.19 (564)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	94 (43)
CNFM1H-6125DBY-EP			22.05 (560)			94 (43)	24.78 (630)					106 (48)
CNFM2-6125Y-EP	2 x 4 (1.5 x 4)		19.45 (494)			85 (39)	22.19 (564)					97 (44)
CNFM2-6125DBY-EP			22.05 (560)			97 (44)	24.78 (630)					109 (50)
CNFM3-6125Y-EP	3 x 4 (2.2 x 4)	6.71 (170)	18.86 (479)	4.53 (115)	□7.24 (□184)	98 (45)	21.93 (557)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	115 (52)
CNFM5-6125Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	20.31 (516)	4.65 (118)	□8.74 (□222)	124 (56)	23.88 (607)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	148 (67)
CNFM8-6125Y-EP	7.5 x 4 (5.5 x 4)		22.01 (559)			157 (72)	25.57 (650)					181 (83)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal F-Flange Mount

CHFM02-6135DAY ▸ CHFM15-6135Y-EP

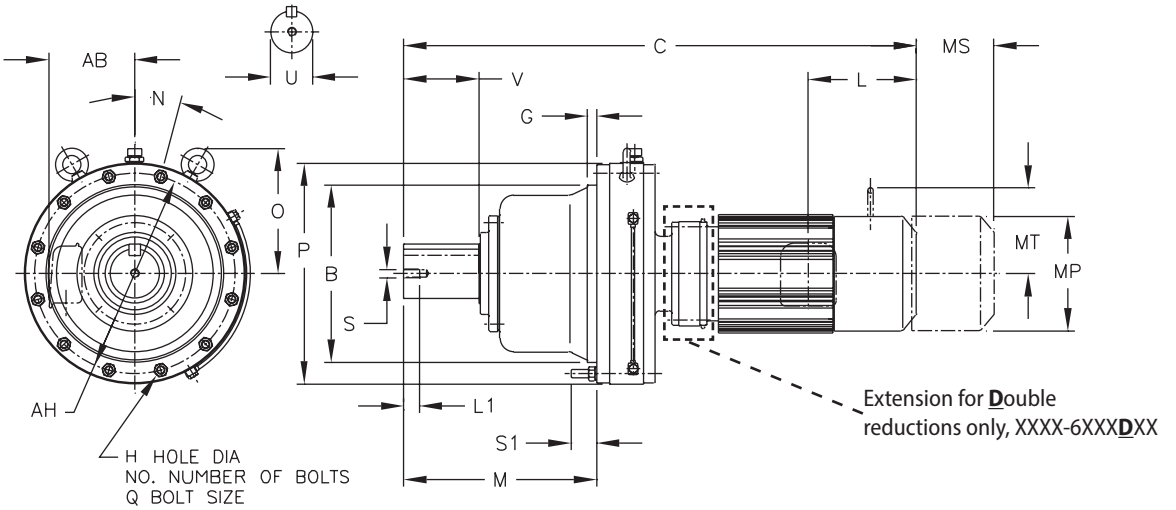


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHFM units are oil lubricated standard, must be installed as shown above.

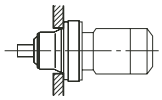
Dimensions are in inches (mm)

Model CHFM	B	G	H	NO.	M	N	P	Q	S1	AH
6130Y 6135Y	6.50 (165)	0.63 (16)	0.43 (11)	6	7.01 (178)	60	9.06 (230)	M10	1.22 (31)	8.07 (205)

All dimensions are in inches (mm)

Model CHFM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6130Y 6135Y	1.88 (47.625)	2.76 (70)	3/8-16UNC	0.79 (20)	1/2 x 1/2 x 2.17 (12.7 x 12.7 x 55)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Horizontal F-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHFM02-6135DAY ▸ CHFM15-6135Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHFM02-6135DAY	1/4 x 4 (0.2 x 4)	4.63 (118)	18.50 (470)	2.32 (59)	ø4.88 (ø124)	89 (41)	19.76 (502)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	92 (42)
CHFM02-6135DAY-AV			19.29 (490)			92 (42)	20.55 (522)					96 (44)
CHFM02-6135DCY			19.41 (493)			97 (44)	20.67 (525)					100 (46)
CHFM02-6135DCY-AV			20.20 (513)			100 (46)	21.46 (545)					103 (47)
CHFM03-6135DCY	1/3 x 4 (0.25 x 4)		19.41 (493)			97 (44)	20.67 (525)					100 (46)
CHFM03-6135DCY-AV			20.20 (513)			100 (46)	21.46 (545)					103 (47)
CHFM05-6135DCY	1/2 x 4 (0.4 x 4)											
CHFM05-6135DCY-AV		5.67 (144)	21.81 (554)	3.82 (97)	ø5.94 (ø151)	107 (49)	23.50 (597)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	113 (52)
CHFM08-6135Y	3/4 x 4 (0.55 x 4)		18.78 (477)			98 (45)	20.47 (520)					104 (48)
CHFM08-6135Y-AV		5.86 (149)	20.08 (510)	3.94 (100)	ø6.30 (ø160)	107 (49)	22.52 (572)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	118 (54)
CHFM08-6135DCY		5.67 (144)	21.81 (554)	3.82 (97)	ø5.94 (ø151)	105 (48)	23.50 (597)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	110 (50)
CHFM08-6135DCY-AV		5.86 (149)	23.11 (587)	3.94 (100)	ø6.30 (ø160)	115 (53)	25.55 (649)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	126 (57)
CHFM1-6135Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	20.51 (521)	3.82 (97)	□6.22 (□158)	112 (51)	23.01 (585)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	122 (56)
CHFM1-6135DCY-EP			23.54 (598)			120 (55)	26.04 (662)					130 (59)
CHFM1H-6135Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	21.57 (548)		□6.57 (□167)	119 (54)	24.31 (618)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	
CHFM1H-6135DCY-EP			24.61 (625)			128 (58)	27.34 (695)					139 (63)
CHFM2-6135Y-EP	2 x 4 (1.5 x 4)		21.57 (548)			122 (56)	24.31 (618)					133 (61)
CHFM2-6135DCY-EP			24.61 (625)			131 (60)	27.34 (695)					142 (65)
CHFM3-6135Y-EP	3 x 4 (2.2 x 4)	6.71 (170)	20.98 (533)	4.53 (115)	□7.24 (□184)	133 (61)	24.06 (611)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	150 (68)
CHFM3-6135DCY-EP			25.43 (646)			147 (67)	28.50 (724)					163 (74)
CHFM5-6135Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	22.24 (565)	4.65 (118)	□8.74 (□222)	157 (72)	25.81 (656)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	181 (83)
CHFM8-6135Y-EP	7.5 x 4 (5.5 x 4)		23.94 (608)			192 (87)	27.50 (699)					216 (98)
CHFM10-6135Y-EP	10 x 4 (7.5 x 4)	9.04 (230)	25.43 (646)	5.43 (138)	□10.24 (□260)	218 (99)	29.57 (751)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	263 (119)
CHFM15-6135Y-EP	15 x 4 (11 x 4)		27.87 (708)			231 (105)	32.01 (813)					275 (125)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal F-Flange Mount

CHFM02-6145DBY ▸ CHFM20-6145Y-EP

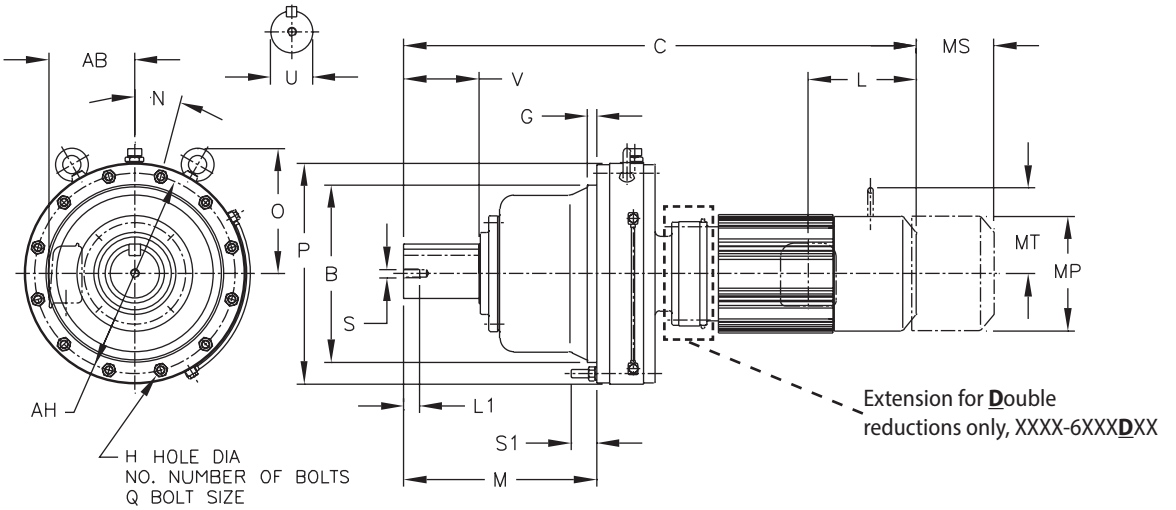


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHFM units are oil lubricated standard, must be installed as shown above.

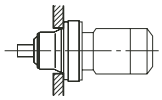
Dimensions are in inches (mm)

Model CHFM	B	G	H	NO.	M	N	P	Q	S1	AH
6140Y 6145Y	6.50 (165)	0.63 (16)	0.43 (11)	6	7.80 (198)	60	9.06 (230)	M10	1.22 (31)	8.07 (205)

All dimensions are in inches (mm)

Model CHFM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6140Y 6145Y	1.88 (47.625)	3.54 (90)	3/8-16UNC	0.79 (20)	1/2 x 1/2 x 2.95 (12.7 x 12.7 x 75)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Horizontal F-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHFM02-6145DBY ▸ CHFM20-6145Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHFM02-6145DBY	1/4 x 4 (0.2 x 4)	4.63 (118)	19.65 (499)	2.32 (59)	ø4.88 (ø124)	94 (43)	20.91 (531)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	97 (44)
CHFM02-6145DBY-AV			20.43 (519)			97 (44)	21.69 (551)					101 (46)
CHFM03-6145DBY	1/3 x 4 (0.25 x 4)		19.65 (499)			94 (43)	20.91 (531)					97 (44)
CHFM03-6145DBY-AV			20.43 (519)			97 (44)	21.69 (551)					101 (46)
CHFM05-6145DBY	1/2 x 4 (0.4 x 4)	5.67 (144)	22.05 (560)	3.82 (97)	ø5.94 (ø151)	105 (48)	23.74 (603)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	110 (50)
CHFM05-6145DBY-AV						102 (47)						108 (49)
CHFM08-6145DBY	3/4 x 4 (0.55 x 4)											
CHFM08-6145DBY-AV		5.86 (149)	23.35 (593)	3.94 (100)	ø6.30 (ø160)	113 (51)	25.79 (655)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	124 (56)
CHFM1-6145Y-EP	1 x 4 (0.75 x 4)	5.98 (152)	21.30 (541)	3.82 (97)	□6.22 (□158)	114 (52)	23.80 (605)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	124 (57)
CHFM1-6145DBY-EP			23.78 (604)			118 (54)	26.28 (668)					128 (58)
CHFM1H-6145Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	22.36 (568)		□6.57 (□167)	121 (55)	25.10 (638)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	133 (60)
CHFM1H-6145DBY-EP			24.84 (631)			125 (57)	27.58 (701)					137 (62)
CHFM2-6145Y-EP	2 x 4 (1.5 x 4)		22.36 (568)			124 (57)	25.10 (638)					136 (62)
CHFM2-6145DBY-EP			24.84 (631)			128 (58)	27.58 (701)					140 (64)
CHFM2-6145DCY-EP			25.39 (645)			131 (60)	28.13 (715)					142 (65)
CHFM3-6145Y-EP	3 x 4 (2.2 x 4)	6.71 (170)	21.77 (553)	4.53 (115)	□7.24 (□184)	136 (62)	24.84 (631)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	152 (69)
CHFM3-6145DBY-EP			25.67 (652)			144 (66)	28.74 (730)					161 (73)
CHFM3-6145DCY-EP			26.22 (666)			147 (67)	29.29 (744)					163 (74)
CHFM5-6145Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	23.03 (585)	4.65 (118)	□8.74 (□222)	160 (73)	26.59 (676)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	184 (84)
CHFM8-6145Y-EP	7.5 x 4 (5.5 x 4)		24.72 (628)			194 (88)	28.29 (719)					218 (99)
CHFM10-6145Y-EP	10 x 4 (7.5 x 4)	9.04 (230)	26.22 (666)	5.43 (138)	□10.24 (□260)	221 (100)	30.35 (771)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	265 (120)
CHFM15-6145Y-EP	15 x 4 (11 x 4)		28.66 (728)			233 (106)	32.80 (833)					278 (126)
CHFM20-6145Y-EP	20 x 4 (15 x 4)	10.26 (261)	31.10 (790)	7.01 (178)	ø12.49 (ø317)	314 (143)	36.40 (925)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	400 (182)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal F-Flange Mount

CHFM05-6165DCY ▸ CHFM30-6165Y-EP

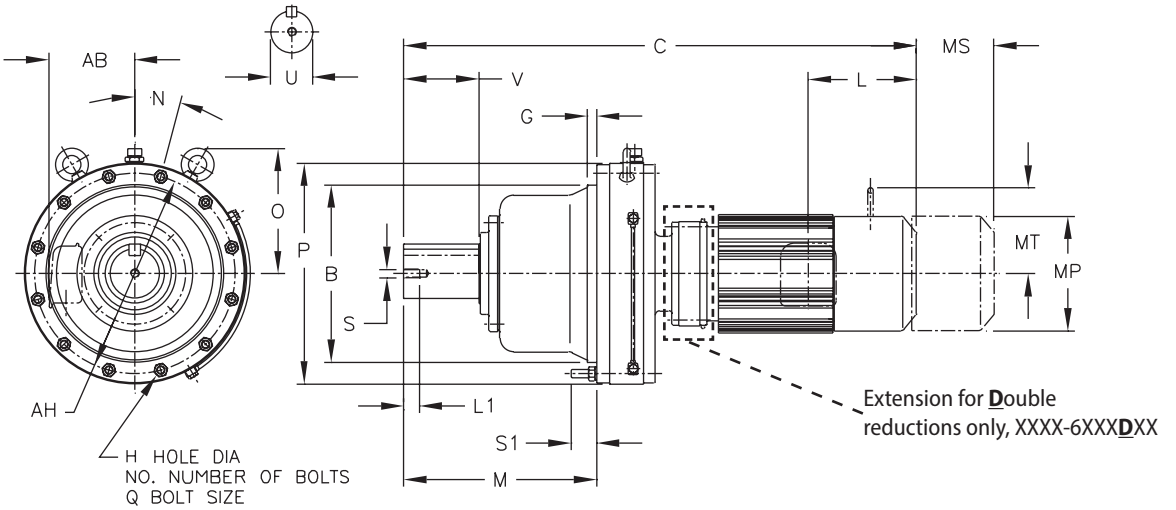


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHFM units are oil lubricated standard, must be installed as shown above.

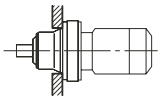
Dimensions are in inches (mm)

Model CHFM	B	G	H	NO.	M	N	P	Q	S1	AH
6160Y 6165Y	7.87 (200)	0.39 (10)	0.55 (14)	6	8.74 (222)	30	11.81 (300)	M12	1.38 (35)	10.63 (270)

All dimensions are in inches (mm)

Model CHFM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6160Y 6165Y	2.25 (57.15)	3.54 (90)	3/8-16UNC	0.79 (20)	1/2 x 1/2 x 2.95 (12.7 x 12.7 x 75)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Horizontal F-Flange Mount

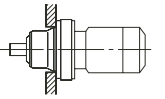
XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHFM05-6165DCY ▸ CHFM30-6165Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHFM05-6165DCY	1/2 x 4 (0.4 x 4)	4.63 (118)	23.23 (590)	2.32 (59)	ø4.88 (ø124)	194 (88)	24.49 (622)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	197 (90)
CHFM05-6165DCY-AV		5.67 (144)	24.65 (626)	3.82 (97)	ø5.94 (ø151)	201 (92)	26.34 (669)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	207 (94)
CHFM08-6165DCY	3/4 x 4 (0.55 x 4)					199 (90)						205 (93)
CHFM08-6165DCY-AV		5.86 (149)	25.94 (659)	3.94 (100)	ø6.30 (ø160)	207 (94)	28.39 (721)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	218 (99)
CHFM1-6165DCY-EP	1 x 4 (0.75 x 4)	5.98 (152)	26.38 (670)	3.82 (97)	□6.22 (□158)	212 (96)	28.88 (734)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	222 (101)
CHFM1H-6165Y-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	24.25 (616)		□6.57 (□167)	179 (81)	26.99 (686)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	191 (87)
CHFM1H-6165DCY-EP			27.44 (697)			219 (100)	30.18 (767)					230 (105)
CHFM2-6165Y-EP	2 x 4 (1.5 x 4)		24.25 (616)			182 (83)	26.99 (686)					194 (88)
CHFM2-6165DCY-EP			27.44 (697)			222 (101)	30.18 (767)					234 (106)
CHFM3-6165Y-EP	3 x 4 (2.2 x 4)	6.71 (170)	23.66 (601)	4.53 (115)	□7.24 (□184)	192 (87)	26.73 (679)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	209 (95)
CHFM3-6165DCY-EP			26.85 (682)			235 (107)	29.92 (760)					252 (114)
CHFM5-6165Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	25.12 (638)	4.65 (118)	□8.74 (□222)	217 (99)	28.68 (729)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	241 (109)
CHFM5-6165DCY-EP			28.31 (719)			260 (118)	31.87 (810)					284 (129)
CHFM8-6165Y-EP	7.5 x 4 (5.5 x 4)		26.81 (681)			251 (114)	30.37 (772)					275 (125)
CHFM8-6165DCY-EP			30.00 (762)			294 (134)	33.56 (853)					318 (145)
CHFM10-6165Y-EP	10 x 4 (7.5 x 4)	9.04 (230)	28.27 (718)	5.43 (138)	□10.24 (□260)	279 (127)	32.40 (823)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	323 (147)
CHFM15-6165Y-EP	15 x 4 (11 x 4)		30.71 (780)			291 (132)	34.84 (885)					335 (152)
CHFM20-6165Y-EP	20 x 4 (15 x 4)	10.26 (261)	32.99 (838)	7.01 (178)	ø12.49 (ø317)	375 (170)	38.29 (973)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	461 (209)
CHFM25-6165Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	37.17 (944)	9.06 (230)	ø15.12 (ø384)	652 (296)	44.02 (1118)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		749 (340)
CHFM30-6165Y-EP	30 x 4 (22 x 4)											

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal F-Flange Mount



CHFM05-6175DCY ▸ CHFM40-6175Y-EP

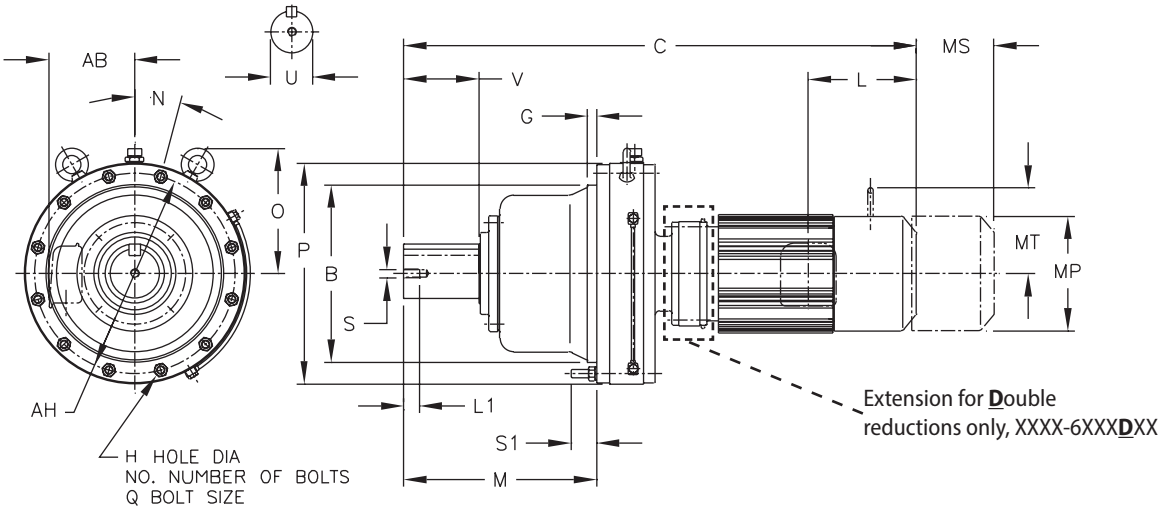


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHFM units are oil lubricated standard, must be installed as shown above.

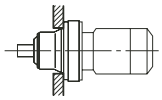
Dimensions are in inches (mm)

Model CHFM	B	G	H	NO.	M	N	P	Q	S1	AH
6170Y 6175Y	9.84 (250)	0.47 (12)	0.55 (14)	8	10.31 (262)	22.5	13.39 (340)	M12	1.61 (41)	11.81 (300)

All dimensions are in inches (mm)

Model CHFM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6170Y 6175Y	2.75 (69.85)	3.54 (90)	1/2-13UNC	0.94 (24)	5/8 x 5/8 x 3.15 (15.87 x 15.87 x 80)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Horizontal F-Flange Mount

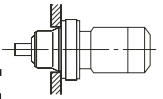
XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHFM05-6175DCY ▸ CHFM40-6175Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHFM05-6175DCY	1/2 x 4 (0.4 x 4)	4.63 (118)	25.08 (637)	2.32 (59)	ø4.88 (ø124)	245 (111)	26.34 (669)	3.58 (91)	ø4.88 (ø124)	2.40 (61)	-	248 (113)
CHFM05-6175DCY-AV		5.67 (144)	26.50 (673)	3.82 (97)	ø5.94 (ø151)	252 (115)	28.19 (716)	5.51 (140)	ø5.94 (ø151)	3.66 (93)	3.94 (100)	258 (117)
CHFM08-6175DCY	3/4 x 4 (0.55 x 4)					250 (113)						255 (116)
CHFM08-6175DCY-AV		5.86 (149)	27.80 (706)	3.94 (100)	ø6.30 (ø160)	258 (117)	30.24 (768)	6.38 (162)	ø6.30 (ø160)	4.53 (115)	4.29 (109)	269 (122)
CHFM1-6175DAY-EP	1 x 4 (0.75 x 4)	5.98 (152)	27.52 (699)	3.82 (97)	□6.22 (□158)	237 (108)	30.02 (763)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	247 (112)
CHFM1-6175DCY-EP			28.23 (717)			263 (119)	30.73 (781)					273 (124)
CHFM1H-6175DCY-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	29.29 (744)		□6.57 (□167)	270 (123)	32.03 (814)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	281 (128)
CHFM2-6175DAY-EP	2 x 4 (1.5 x 4)		28.58 (726)			247 (112)	31.32 (796)					259 (118)
CHFM2-6175DCY-EP			29.29 (744)			273 (124)	32.03 (814)					284 (129)
CHFM3-6175DCY-EP	3 x 4 (2.2 x 4)	6.71 (170)	28.70 (729)	4.53 (115)	□7.24 (□184)	286 (130)	31.77 (807)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	302 (137)
CHFM5-6175Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	27.05 (687)	4.65 (118)	□8.74 (□222)	287 (130)	30.61 (778)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	311 (141)
CHFM5-6175DCY-EP			30.16 (766)			311 (141)	33.72 (857)					335 (152)
CHFM8-6175Y-EP	7.5 x 4 (5.5 x 4)		28.74 (730)			321 (146)	32.30 (821)					345 (157)
CHFM8-6175DCY-EP			31.85 (809)			345 (157)	35.41 (900)					369 (168)
CHFM10-6175Y-EP	10 x 4 (7.5 x 4)	9.04 (230)	29.57 (751)	5.43 (138)	□10.24 (□260)	350 (159)	33.70 (856)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	394 (179)
CHFM15-6175Y-EP	15 x 4 (11 x 4)		32.01 (813)			362 (165)	36.14 (918)					406 (185)
CHFM20-6175Y-EP	20 x 4 (15 x 4)	10.26 (261)	34.72 (882)	7.01 (178)	ø12.49 (ø317)	443 (201)	40.02 (1017)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	529 (240)
CHFM25-6175Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	38.90 (988)	9.06 (230)	ø15.12 (ø384)	722 (328)	45.75 (1162)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		819 (372)
CHFM30-6175Y-EP	30 x 4 (22 x 4)											
CHFM40-6175Y-EP	40 x 4 (30 x 4)		43.78 (1112)			835 (379)	50.63 (1286)					932 (423)

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal F-Flange Mount



CHFM1-6185DBY-EP ▸ CHFM50-6185Y-EP

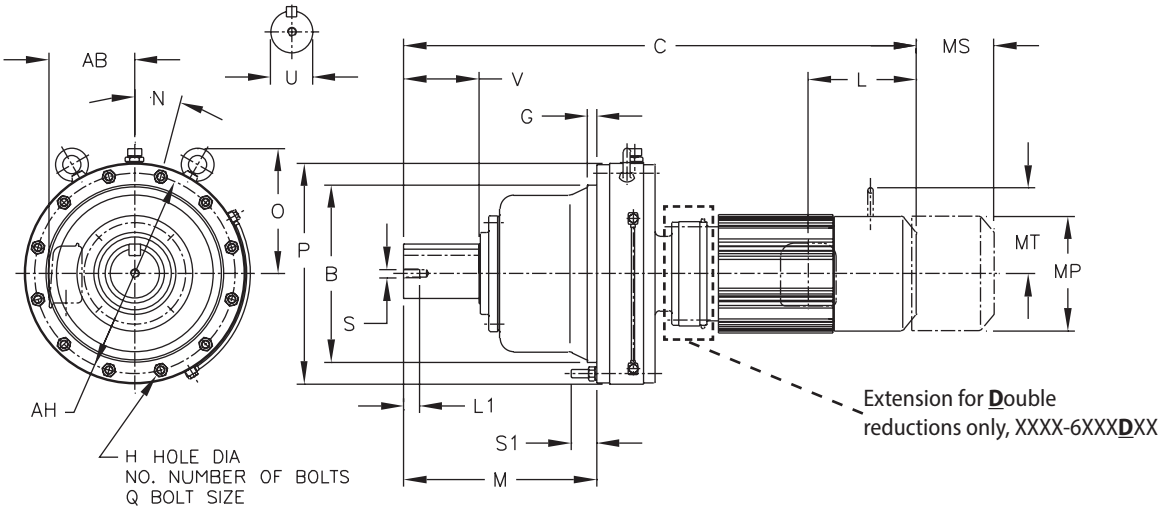


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHFM units are oil lubricated standard, must be installed as shown above.

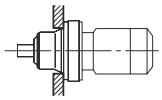
Dimensions are in inches (mm)

Model CHFM	B	G	H	NO.	M	N	P	Q	S1	AH
6180Y 6185Y	11.02 (280)	0.47 (12)	0.55 (14)	8	11.77 (299)	22.5	14.57 (370)	M12	1.50 (38)	12.99 (330)

All dimensions are in inches (mm)

Model CHFM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6180Y 6185Y	3.13 (79.375)	4.33 (110)	1/2-13UNC	0.94 (24)	3/4 x 3/4 x 3.74 (19.05 x 19.05 x 95)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Horizontal F-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHFM1-6185DBY-EP ▸ CHFM50-6185Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHFM1-6185DBY-EP	1 x 4 (0.75 x 4)	5.98 (152)	30.59 (777)	3.82 (97)	□6.22 (□158)	354 (161)	33.09 (841)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	364 (166)
CHFM1H-6185DBY-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	31.65 (804)		□6.57 (□167)	361 (164)	34.39 (874)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	373 (169)
CHFM2-6185DAY-EP	2 x 4 (1.5 x 4)		30.79 (782)			327 (149)	33.52 (852)					338 (154)
CHFM2-6185DBY-EP			31.65 (804)			364 (166)	34.39 (874)					376 (171)
CHFM3-6185DBY-EP	3 x 4 (2.2 x 4)	6.71 (170)	31.06 (789)	4.53 (115)	□7.24 (□184)	376 (171)	34.13 (867)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	393 (178)
CHFM5-6185Y-EP	5 x 4 (3.7 x 4)	7.34 (186)	28.50 (724)	4.65 (118)	□8.74 (□222)	361 (164)	32.07 (815)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	385 (175)
CHFM5-6185DBY-EP			32.32 (821)			400 (182)	35.89 (912)					424 (193)
CHFM8-6185Y-EP	7.5 x 4 (5.5 x 4)		30.20 (767)			395 (179)	33.76 (858)					418 (190)
CHFM8-6185DBY-EP			34.02 (864)			434 (197)	37.58 (955)					458 (208)
CHFM10-6185Y-EP	10 x 4 (7.5 x 4)	9.04 (230)	31.14 (791)	5.43 (138)	□10.24 (□260)	425 (193)	35.28 (896)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	469 (213)
CHFM10-6185DBY-EP			35.51 (902)			461 (209)	39.65 (1007)					505 (229)
CHFM15-6185Y-EP	15 x 4 (11 x 4)		33.58 (853)			438 (199)	37.72 (958)					482 (219)
CHFM15-6185DBY-EP			37.95 (964)			474 (215)	42.09 (1069)					518 (235)
CHFM20-6185Y-EP	20 x 4 (15 x 4)	10.26 (261)	36.18 (919)	7.01 (178)	ø12.49 (ø317)	518 (235)	41.48 (1054)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	604 (274)
CHFM25-6185Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	40.35 (1025)	9.06 (230)	ø15.12 (ø384)	795 (361)	47.20 (1199)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		892 (405)
CHFM30-6185Y-EP	30 x 4 (22 x 4)											
CHFM40-6185Y-EP	40 x 4 (30 x 4)		45.24 (1149)			908 (412)	52.09 (1323)					1005 (456)
CHFM50-6185Y-EP	50 x 4 (37 x 4)					976 (443)	-	-	-	-		-

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal F-Flange Mount

CHFM1-6195DAY-EP ▸ CHFM60-6195Y-EP

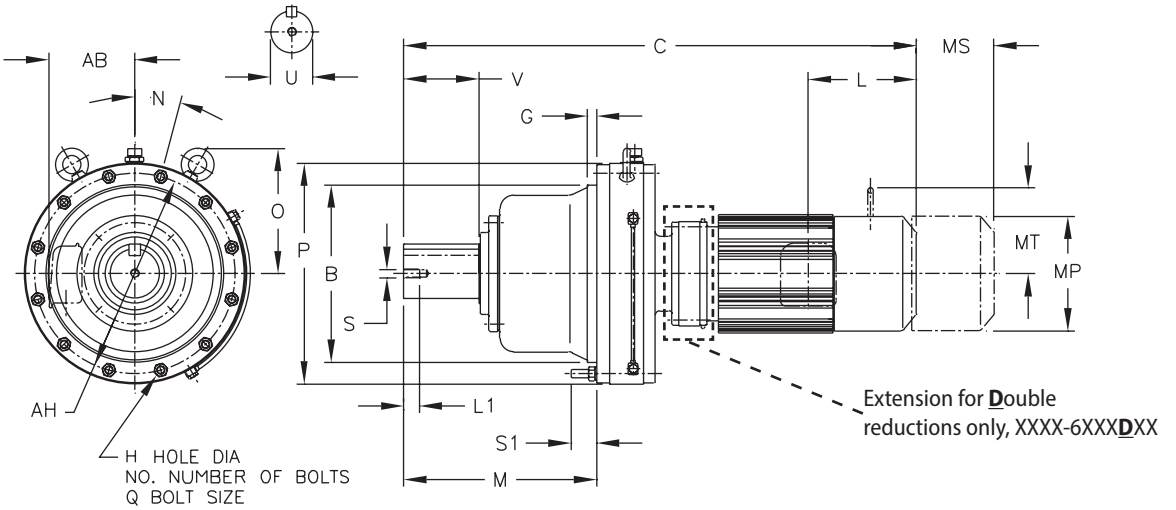


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHFM units are oil lubricated standard, must be installed as shown above.

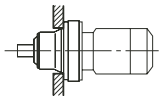
Dimensions are in inches (mm)

Model CHFM	B	G	H	NO.	M	N	P	Q	S1	AH
6190Y 6195Y	12.60 (320)	0.39 (10)	0.55 (14)	12	14.37 (365)	15	16.93 (430)	M12	1.61 (41)	14.96 (380)

All dimensions are in inches (mm)

Model CHFM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6190Y 6195Y	3.63 (92.075)	5.31 (135)	3/4-10UNC	1.34 (34)	7/8 x 7/8 x 4.92 (22.225 x 22.225 x 125)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Horizontal F-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHFM1-6195DAY-EP ▸ CHFM60-6195Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHFM1-6195DAY-EP	1 x 4 (0.75 x 4)	5.98 (152)	32.95 (837)	3.82 (97)	□6.22 (□158)	474 (215)	35.45 (901)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	484 (220)
CHFM1H-6195DAY-EP	1.5 x 4 (1.1 x 4)	6.16 (156)	34.02 (864)		□6.57 (□167)	481 (219)	36.75 (934)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	493 (224)
CHFM2-6195DAY-EP	2 x 4 (1.5 x 4)					484 (220)						496 (225)
CHFM3-6195DAY-EP	3 x 4 (2.2 x 4)	6.71 (170)	33.43 (849)	4.53 (115)	□7.24 (□184)	497 (226)	36.50 (927)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	514 (233)
CHFM3-6195DBY-EP			34.06 (865)			506 (230)	37.13 (943)					523 (237)
CHFM5-6195DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	34.88 (886)	4.65 (118)	□8.74 (□222)	523 (237)	38.44 (977)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	547 (248)
CHFM5-6195DBY-EP			35.31 (897)			530 (241)	38.88 (988)					554 (252)
CHFM8-6195Y-EP	7.5 x 4 (5.5 x 4)		33.78 (858)			533 (242)	37.34 (949)					557 (253)
CHFM8-6195DAY-EP			36.57 (929)			557 (253)	40.14 (1020)					580 (264)
CHFM8-6195DBY-EP			37.01 (940)			564 (256)	40.57 (1031)					588 (267)
CHFM10-6195Y-EP	10 x 4 (7.5 x 4)	9.04 (230)	34.02 (864)	5.43 (138)	□10.24 (□260)		38.15 (969)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	608 (276)
CHFM10-6195DBY-EP			38.50 (978)			591 (268)	42.64 (1083)					635 (288)
CHFM15-6195Y-EP	15 x 4 (11 x 4)		36.46 (926)			576 (262)	40.59 (1031)					621 (282)
CHFM15-6195DBY-EP			40.94 (1040)			604 (274)	45.08 (1145)					648 (294)
CHFM20-6195Y-EP	20 x 4 (15 x 4)	10.26 (261)	39.17 (995)	7.01 (178)	ø12.49 (ø317)	655 (297)	44.47 (1130)	12.30 (313)	ø12.61 (ø320)	9.53 (242)		741 (336)
CHFM20-6195DBY-EP			43.39 (1102)			684 (311)	48.68 (1237)					770 (350)
CHFM25-6195Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	43.35 (1101)	9.06 (230)	ø15.12 (ø384)	933 (424)	50.20 (1275)	15.91 (404)	ø15.28 (ø388)	12.13 (308)	-	1030 (468)
CHFM30-6195Y-EP	30 x 4 (22 x 4)											
CHFM40-6195Y-EP	40 x 4 (30 x 4)		48.23 (1225)			1046 (475)	55.08 (1399)					1143 (519)
CHFM50-6195Y-EP	50 x 4 (37 x 4)					1114 (506)	-	-	-	-		-
CHFM60-6195Y-EP	60 x 4 (45 x 4)	16.33 (415)	49.69 (1262)	16.81 (427)	ø18.66 (ø474)	1243 (564)						

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal F-Flange Mount

CHFM1-6205DAY-EP ▸ CHFM75-6205Y-EP

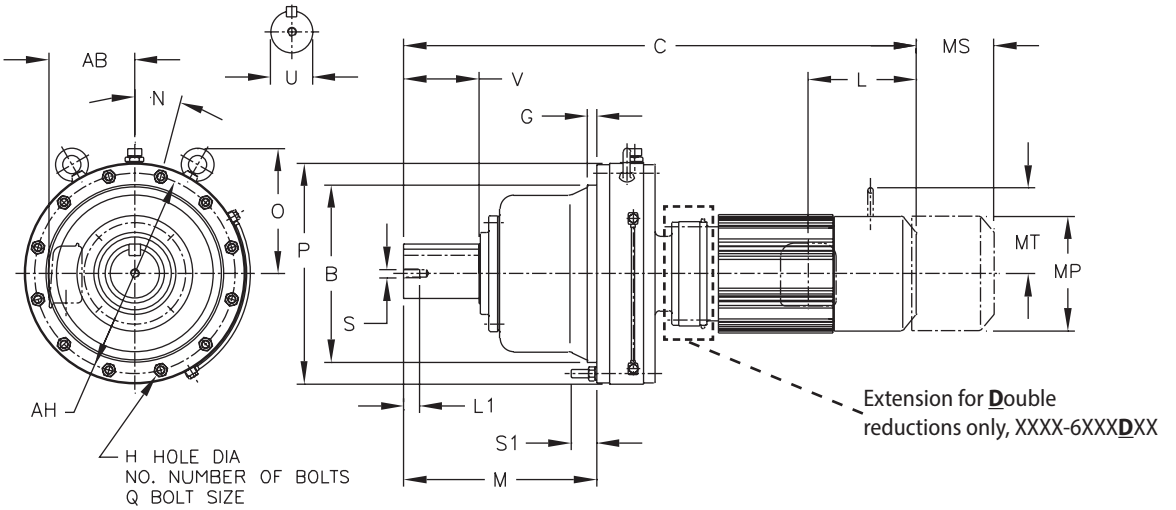


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHFM units are oil lubricated standard, must be installed as shown above.

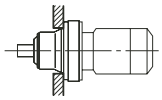
Dimensions are in inches (mm)

Model CHFM	B	G	H	NO.	M	N	P	Q	S1	AH
6205Y	14.17 (360)	0.79 (20)	0.71 (18)	12	16.14 (410)	15	17.64 (448)	M16	2.20 (56)	15.94 (405)

All dimensions are in inches (mm)

Model CHFM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6205Y	3.88 (98.425)	6.50 (165)	3/4-10UNC	1.34 (34)	1 x 1 x 6.5 (25.4 x 25.4 x 165)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Horizontal F-Flange Mount

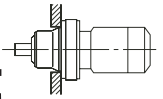
XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHFM1-6205DAY-EP ▶ CHFM75-6205Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHFM1-6205DAY-EP	1 x 4 (0.75 x 4)	5.98 (152)	34.57 (878)	3.82 (97)	□6.22 (□158)	510 (231)	37.07 (942)	6.32 (161)	□6.22 (□158)	4.80 (122)	4.25 (108)	519 (236)
CHFM2-6205DAY-EP	2 x 4 (1.5 x 4)	6.16 (156)	35.63 (905)		□6.57 (□167)	520 (236)	38.37 (975)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	531 (241)
CHFM3-6205DAY-EP	3 x 4 (2.2 x 4)	6.71 (170)	35.04 (890)	4.53 (115)	□7.24 (□184)	533 (242)	38.11 (968)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	549 (249)
CHFM3-6205DBY-EP			36.10 (917)			554 (252)	39.17 (995)					571 (259)
CHFM5-6205DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	36.50 (927)	4.65 (118)	□8.74 (□222)	558 (253)	40.06 (1018)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	582 (264)
CHFM5-6205DBY-EP			37.36 (949)			579 (263)	40.93 (1040)					602 (274)
CHFM8-6205DAY-EP	7.5 x 4 (5.5 x 4)		38.19 (970)			592 (269)	41.75 (1061)					616 (280)
CHFM8-6205DBY-EP			39.06 (992)			613 (278)	42.62 (1083)					637 (289)
CHFM10-6205DBY-EP	10 x 4 (7.5 x 4)	9.04 (230)	40.55 (1030)	5.43 (138)	□10.24 (□260)	640 (290)	44.69 (1135)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	684 (310)
CHFM15-6205Y-EP	15 x 4 (11 x 4)		37.97 (965)			612 (278)	42.11 (1070)					657 (298)
CHFM15-6205DBY-EP			42.99 (1092)			652 (296)	47.13 (1197)					696 (316)
CHFM20-6205Y-EP	20 x 4 (15 x 4)	10.26 (261)	41.02 (1042)	7.01 (178)	ø12.49 (ø317)	701 (318)	46.32 (1177)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	787 (357)
CHFM20-6205DBY-EP			45.43 (1154)			733 (333)	50.73 (1289)					819 (372)
CHFM25-6205Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	44.80 (1138)	9.06 (230)	ø15.12 (ø384)	974 (442)	51.65 (1312)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		1071 (486)
CHFM30-6205Y-EP	30 x 4 (22 x 4)											
CHFM40-6205Y-EP	40 x 4 (30 x 4)		49.69 (1262)			1087 (493)	56.54 (1436)					1184 (537)
CHFM50-6205Y-EP	50 x 4 (37 x 4)					1155 (524)	-	-	-	-		-
CHFM60-6205Y-EP	60 x 4 (45 x 4)	16.33 (415)	51.14 (1299)	16.81 (427)	ø18.66 (ø474)	1288 (585)						
CHFM75-6205Y-EP	75 x 4 (55 x 4)					1368 (621)						

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal F-Flange Mount



CHFM2-6215DAY-EP ▸ CHFM75-6215Y-EP

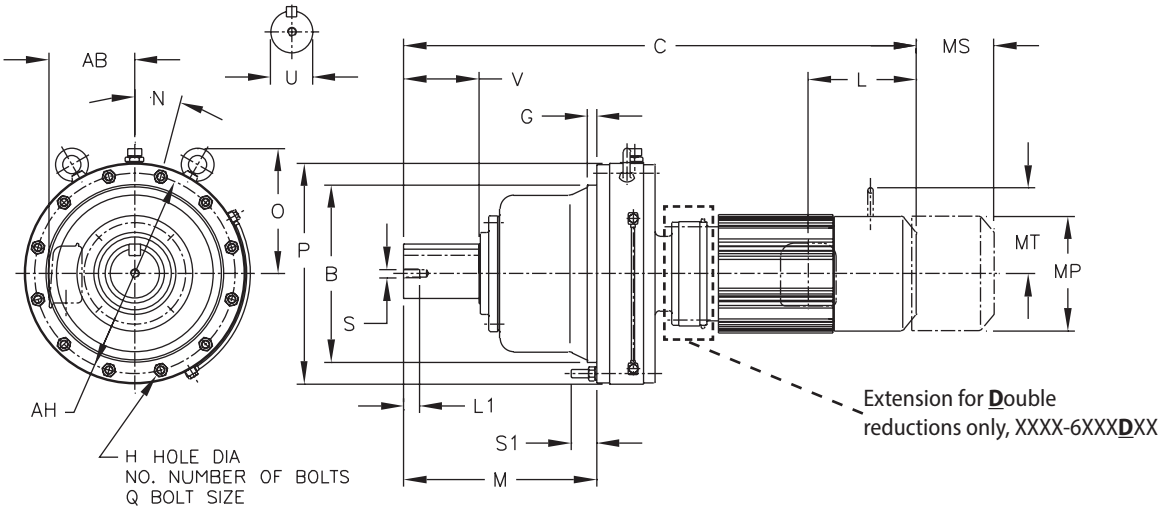


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHFM units are oil lubricated standard, must be installed as shown above.

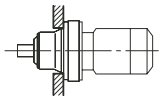
Dimensions are in inches (mm)

Model CHFM	B	G	H	NO.	M	N	P	Q	S1	AH
6215Y	15.35 (390)	0.79 (20)	0.81 (20.5)	12	16.65 (423)	15	19.09 (485)	M18	2.20 (56)	17.32 (440)

All dimensions are in inches (mm)

Model CHFM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6215Y	4.25 (107.95)	6.50 (165)	3/4-10UNC	1.34 (34)	1 x 1 x 6.5 (25.4 x 25.4 x 165)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Horizontal F-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHFM2-6215DAY-EP ▸ CHFM75-6215Y-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHFM2-6215DAY-EP	2 x 4 (1.5 x 4)	6.16 (156)	37.72 (958)	3.82 (97)	□6.57 (□167)	717 (326)	40.45 (1028)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	729 (331)
CHFM3-6215DAY-EP	3 x 4 (2.2 x 4)	6.71 (170)	37.13 (943)	4.53 (115)	□7.24 (□184)	729 (331)	40.20 (1021)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	745 (338)
CHFM5-6215DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	38.39 (975)	4.65 (118)	□8.74 (□222)	753 (342)	41.95 (1066)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	777 (353)
CHFM5-6215DBY-EP			39.57 (1005)			795 (361)	43.13 (1096)					818 (371)
CHFM8-6215DAY-EP	7.5 x 4 (5.5 x 4)		40.08 (1018)			787 (357)	43.64 (1109)					811 (368)
CHFM8-6215DBY-EP			41.26 (1048)			828 (376)	44.82 (1139)					852 (387)
CHFM10-6215DAY-EP	10 x 4 (7.5 x 4)	9.04 (230)	41.57 (1056)	5.43 (138)	□10.24 (□260)	814 (369)	45.71 (1161)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	858 (389)
CHFM10-6215DBY-EP			42.72 (1085)			856 (389)	46.85 (1190)					901 (409)
CHFM15-6215Y-EP	15 x 4 (11 x 4)		39.29 (998)			798 (362)	43.43 (1103)					842 (382)
CHFM15-6215DAY-EP			44.02 (1118)			826 (375)	48.15 (1223)					871 (395)
CHFM15-6215DBY-EP			45.16 (1147)			869 (394)	49.29 (1252)					913 (414)
CHFM20-6215Y-EP	20 x 4 (15 x 4)	10.26 (261)	41.97 (1066)	7.01 (178)	ø12.49 (ø317)	882 (400)	47.26 (1201)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	968 (439)
CHFM20-6215DAY-EP			46.46 (1180)			907 (412)	51.75 (1315)					993 (451)
CHFM20-6215DBY-EP			47.44 (1205)			952 (432)	52.74 (1340)					1038 (471)
CHFM25-6215Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	45.75 (1162)	9.06 (230)	ø15.12 (ø384)	1150 (522)	52.60 (1336)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		1247 (566)
CHFM25-6215DBY-EP			51.61 (1311)			1230 (558)	58.46 (1485)					1327 (602)
CHFM30-6215Y-EP	30 x 4 (22 x 4)		45.75 (1162)			1150 (522)	52.60 (1336)					1247 (566)
CHFM30-6215DBY-EP			51.61 (1311)			1230 (558)	58.46 (1485)					1327 (602)
CHFM40-6215Y-EP	40 x 4 (30 x 4)		50.63 (1286)			1263 (573)	57.48 (1460)					1360 (617)
CHFM50-6215Y-EP	50 x 4 (37 x 4)					1331 (604)	-	-	-	-		-
CHFM60-6215Y-EP	60 x 4 (45 x 4)	16.33 (415)	52.09 (1323)	16.81 (427)	ø18.66 (ø474)	1459 (662)						
CHFM75-6215Y-EP	75 x 4 (55 x 4)					1539 (698)						

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal F-Flange Mount

CHFM2-6225DAY-EP ▸ CHFM50-6235DBY-EP

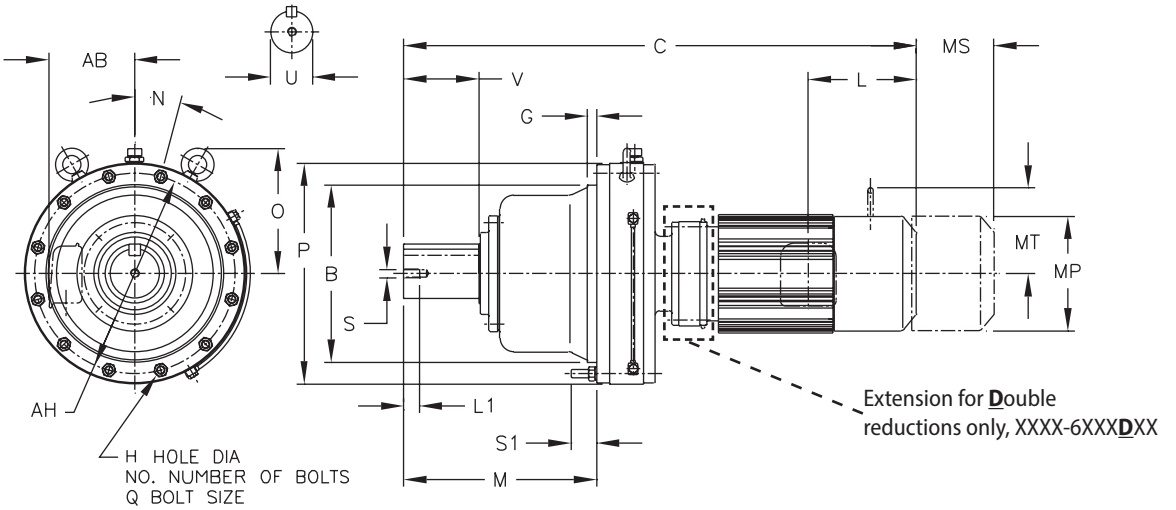


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHFM units are oil lubricated standard, must be installed as shown above.

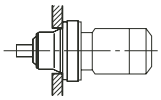
Dimensions are in inches (mm)

Model CHFM	B	G	H	NO.	M	N	P	Q	S1	AH
6225Y	16.54 (420)	0.79 (20)	0.87 (22)	12	17.87 (454)	15	20.71 (526)	M20	2.52 (64)	18.70 (475)
6235Y	17.91 (455)	0.79 (20)	0.87 (22)	12	19.92 (506)	15	22.13 (562)	M20	2.56 (65)	20.08 (510)

All dimensions are in inches (mm)

Model CHFM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6225Y	4.63 (117.475)	6.50 (165)	3/4-10UNC	1.34 (34)	1-1/4 x 7/8 x 6.5 (31.75 x 22.225 x 165)
6235Y	5.00 (127)	7.87 (200)	1-8UNC	1.61 (41)	1-1/4 x 7/8 x 7.87 (31.75 x 22.225 x 200)

Note: [A] Toleranced dimension, please refer to Table 1 above.



Dimensions Integral Horizontal F-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHFM2-6225DAY-EP ▸ CHFM50-6235DBY-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHFM2-6225DAY-EP	2 x 4 (1.5 x 4)	6.16 (156)	39.37 (1000)	3.82 (97)	□6.57 (□167)	830 (377)	42.11 (1070)	6.56 (167)	□6.57 (□167)	5.04 (128)	4.61 (117)	841 (382)
CHFM3-6225DAY-EP	3 x 4 (2.2 x 4)	6.71 (170)	38.78 (985)	4.53 (115)	□7.24 (□184)	841 (382)	41.85 (1063)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	858 (389)
CHFM5-6225DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	40.04 (1017)	4.65 (118)	□8.74 (□222)	865 (393)	43.60 (1108)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	889 (404)
CHFM5-6225DBY-EP			42.13 (1070)			966 (438)	45.69 (1161)					990 (449)
CHFM8-6225DAY-EP	7.5 x 4 (5.5 x 4)		41.73 (1060)			899 (408)	45.30 (1151)					923 (419)
CHFM8-6225DBY-EP			43.82 (1113)			1000 (454)	47.38 (1204)					1024 (465)
CHFM10-6225DAY-EP	10 x 4 (7.5 x 4)	9.04 (230)	43.23 (1098)	5.43 (138)	□10.24 (□260)	926 (420)	47.36 (1203)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	970 (440)
CHFM10-6225DBY-EP			44.65 (1134)			1029 (467)	48.78 (1239)					1073 (487)
CHFM15-6225DAY-EP	15 x 4 (11 x 4)		45.67 (1160)			939 (426)	49.80 (1265)					983 (446)
CHFM15-6225DBY-EP			47.09 (1196)			1041 (473)	51.22 (1301)					1086 (493)
CHFM20-6225DAY-EP	20 x 4 (15 x 4)	10.26 (261)	48.11 (1222)	7.01 (178)	ø12.49 (ø317)	1019 (463)	53.41 (1357)	12.30 (313)	ø12.61 (ø320)	9.53 (242)		1105 (502)
CHFM20-6225DBY-EP			49.80 (1265)			1122 (509)	55.10 (1400)					1208 (548)
CHFM25-6225Y-EP	25 x 4 (18.5 x 4)	13.39 (340)	47.32 (1202)	9.06 (230)	ø15.12 (ø384)	1289 (585)	54.17 (1376)	15.91 (404)	ø15.28 (ø388)	12.13 (308)	-	1386 (629)
CHFM25-6225DBY-EP			53.98 (1371)			1401 (636)	60.83 (1545)					1498 (680)
CHFM30-6225Y-EP	30 x 4 (22 x 4)		47.32 (1202)			1289 (585)	54.17 (1376)					1386 (629)
CHFM30-6225DBY-EP			53.98 (1371)			1401 (636)	60.83 (1545)					1498 (680)
CHFM40-6225Y-EP	40 x 4 (30 x 4)		52.20 (1326)			1402 (636)	59.06 (1500)					1499 (680)
CHFM40-6225DBY-EP			58.86 (1495)			1514 (687)	65.71 (1669)					1611 (731)
CHFM50-6225Y-EP	50 x 4 (37 x 4)		52.20 (1326)			1470 (667)	-	-	-	-		-
CHFM60-6225Y-EP	60 x 4 (45 x 4)	16.33 (415)	53.66 (1363)	16.81 (427)	ø18.66 (ø474)	1595 (724)						
CHFM75-6225Y-EP	75 x 4 (55 x 4)					1675 (760)						
CHFM3-6235DAY-EP	3 x 4 (2.2 x 4)	6.71 (170)	42.17 (1071)	4.53 (115)	□7.24 (□184)	1078 (489)	45.24 (1149)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	1095 (497)
CHFM5-6235DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	43.62 (1108)	4.65 (118)	□8.74 (□222)	1103 (501)	47.19 (1199)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	1127 (511)
CHFM8-6235DAY-EP	7.5 x 4 (5.5 x 4)		45.31 (1151)			1137 (516)	48.88 (1242)					1161 (527)
CHFM10-6235DAY-EP	10 x 4 (7.5 x 4)	9.04 (230)	46.77 (1188)	5.43 (138)	□10.24 (□260)	1165 (529)	50.91 (1293)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	1209 (549)
CHFM15-6235DAY-EP	15 x 4 (11 x 4)		49.21 (1250)			1177 (534)	53.35 (1355)					1222 (554)
CHFM15-6235DBY-EP			49.76 (1264)			1251 (568)	53.90 (1369)					1295 (588)
CHFM20-6235DAY-EP	20 x 4 (15 x 4)	10.26 (261)	51.50 (1308)	7.01 (178)	ø12.49 (ø317)	1261 (572)	56.79 (1443)	12.30 (313)	ø12.61 (ø320)	9.53 (242)		1347 (611)
CHFM20-6235DBY-EP			52.36 (1330)			1331 (604)	57.66 (1465)					1417 (643)
CHFM25-6235DAY-EP	25 x 4 (18.5 x 4)	13.39 (340)	55.67 (1414)	9.06 (230)	ø15.12 (ø384)	1539 (698)	62.52 (1588)	15.91 (404)	ø15.28 (ø388)	12.13 (308)	-	1636 (742)
CHFM25-6235DBY-EP			56.54 (1436)			1608 (730)	63.39 (1610)					1705 (774)
CHFM30-6235DAY-EP	30 x 4 (22 x 4)		55.67 (1414)			1539 (698)	62.52 (1588)					1636 (742)
CHFM30-6235DBY-EP			56.54 (1436)			1608 (730)	63.39 (1610)					1705 (774)
CHFM40-6235DBY-EP	40 x 4 (30 x 4)		61.42 (1560)			1721 (781)	68.27 (1734)					1818 (825)
CHFM50-6235DBY-EP	50 x 4 (37 x 4)					1789 (812)	-	-	-	-		-

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal F-Flange Mount

CHFM3-6245DAY-EP ▸ CHFM60-6255DBY-EP

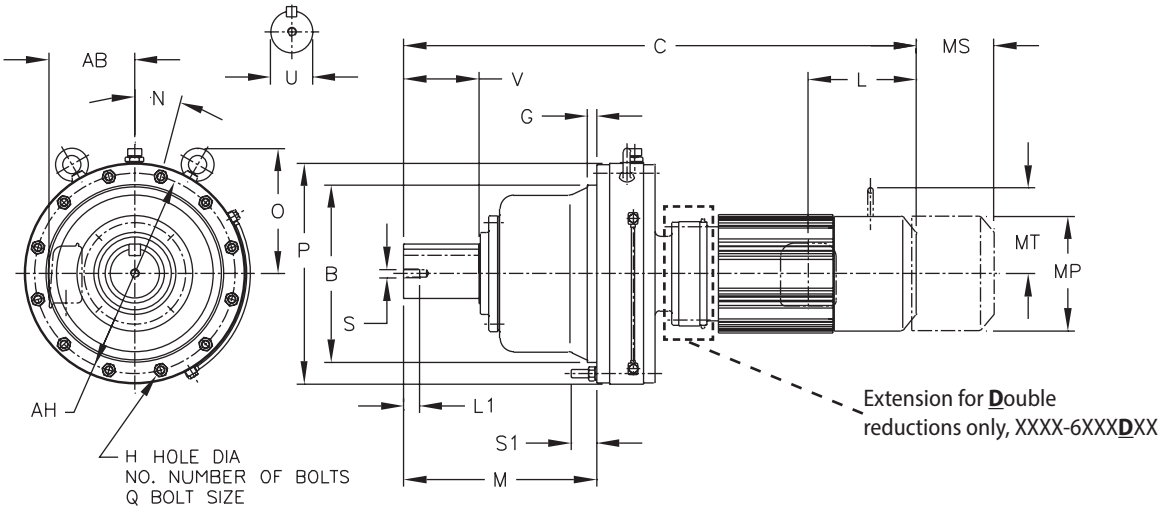


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHFM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

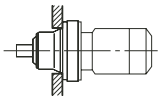
Model CHFM	B	G	H	NO.	M	N	P	Q	S1	AH
6245Y	19.69 (500)	0.98 (25)	1.06 (27)	12	20.83 (529)	15	24.17 (614)	M24	2.56 (65)	22.05 (560)
6255Y	21.26 (540)	1.18 (30)	1.06 (27)	12	24.25 (616)	15	26.38 (670)	M24	3.58 (91)	24.02 (610)

All dimensions are in inches (mm)

Model CHFM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6245Y	5.50 (139.7)	7.87 (200)	1-8UNC	1.61 (41)	1-1/4 x 7/8 x 7.87 (31.75 x 22.225 x 200)
6255Y	6.25 (158.75)	9.45 (240)	1-1/4-7UNC	2.05 (52)	1-1/2 x 1 x 9.45 (38.1 x 25.4 x 240)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified. Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Horizontal F-Flange Mount

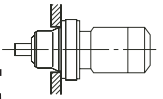
XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHFM3-6245DAY-EP ▸ CHFM60-6255DBY-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHFM3-6245DAY-EP	3 x 4 (2.2 x 4)	6.71 (170)	43.66 (1109)	4.53 (115)	□7.24 (□184)	1312 (595)	46.73 (1187)	7.60 (193)	□7.24 (□184)	5.43 (138)	5.04 (128)	1329 (603)
CHFM5-6245DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	45.12 (1146)	4.65 (118)	□8.74 (□222)	1337 (607)	48.68 (1237)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	1361 (617)
CHFM8-6245DAY-EP	7.5 x 4 (5.5 x 4)		46.81 (1189)			1371 (622)	50.37 (1280)					1395 (633)
CHFM10-6245DAY-EP	10 x 4 (7.5 x 4)	9.04 (230)	48.27 (1226)	5.43 (138)	□10.24 (□260)	1399 (635)	52.40 (1331)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	1443 (655)
CHFM15-6245DAY-EP	15 x 4 (11 x 4)		50.71 (1288)			1411 (640)	54.84 (1393)					1455 (660)
CHFM15-6245DBY-EP			51.22 (1301)			1478 (671)	55.35 (1406)					1523 (691)
CHFM20-6245DAY-EP	20 x 4 (15 x 4)	10.26 (261)	52.99 (1346)	7.01 (178)	ø12.49 (ø317)	1494 (678)	58.29 (1481)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	1580 (717)
CHFM20-6245DBY-EP			53.82 (1367)			1558 (707)	59.11 (1502)					1644 (746)
CHFM25-6245DAY-EP	25 x 4 (18.5 x 4)	13.39 (340)	57.17 (1452)	9.06 (230)	ø15.12 (ø384)	1772 (804)	64.02 (1626)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		1869 (848)
CHFM25-6245DBY-EP			57.99 (1473)			1835 (833)	64.84 (1647)					1932 (877)
CHFM30-6245DAY-EP	30 x 4 (22 x 4)		57.17 (1452)			1772 (804)	64.02 (1626)					1869 (848)
CHFM30-6245DBY-EP			57.99 (1473)			1835 (833)	64.84 (1647)					1932 (877)
CHFM40-6245DBY-EP	40 x 4 (30 x 4)		62.87 (1597)			1948 (884)	69.72 (1771)					2045 (928)
CHFM50-6245DBY-EP	50 x 4 (37 x 4)					2017 (915)	-	-	-	-		-
CHFM5-6255DAY-EP	5 x 4 (3.7 x 4)	7.34 (186)	50.83 (1291)	4.65 (118)	□8.74 (□222)	1942 (881)	54.39 (1382)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	1966 (892)
CHFM8-6255DAY-EP	7.5 x 4 (5.5 x 4)		52.52 (1334)			1976 (897)	56.08 (1425)					2000 (908)
CHFM10-6255DAY-EP	10 x 4 (7.5 x 4)	9.04 (230)	53.35 (1355)	5.43 (138)	□10.24 (□260)	2005 (910)	57.48 (1460)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	2050 (930)
CHFM15-6255DAY-EP	15 x 4 (11 x 4)		55.79 (1417)			2018 (916)	59.92 (1522)					2062 (936)
CHFM15-6255DBY-EP			56.65 (1439)			2188 (993)	60.79 (1544)					2232 (1013)
CHFM20-6255DAY-EP	20 x 4 (15 x 4)	10.26 (261)	58.50 (1486)	7.01 (178)	ø12.49 (ø317)	2098 (952)	63.80 (1621)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	2184 (991)
CHFM20-6255DBY-EP			59.37 (1508)			2266 (1028)	64.67 (1643)					2352 (1067)
CHFM25-6255DAY-EP	25 x 4 (18.5 x 4)	13.39 (340)	62.68 (1592)	9.06 (230)	ø15.12 (ø384)	2378 (1079)	69.53 (1766)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		2475 (1123)
CHFM25-6255DBY-EP			63.54 (1614)			2545 (1155)	70.39 (1788)					2642 (1199)
CHFM30-6255DAY-EP	30 x 4 (22 x 4)		62.68 (1592)			2378 (1079)	69.53 (1766)					2475 (1123)
CHFM30-6255DBY-EP			63.54 (1614)			2545 (1155)	70.39 (1788)					2642 (1199)
CHFM40-6255DAY-EP	40 x 4 (30 x 4)		67.56 (1716)			2491 (1130)	74.41 (1890)					2588 (1174)
CHFM40-6255DBY-EP			68.43 (1738)			2658 (1206)	75.28 (1912)					2755 (1250)
CHFM50-6255DBY-EP	50 x 4 (37 x 4)					2726 (1237)	-	-	-	-		-
CHFM60-6255DBY-EP	60 x 4 (45 x 4)	16.33 (415)	69.88 (1775)	16.81 (427)	ø18.66 (ø474)	2854 (1295)						

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

Dimensions Integral Horizontal F-Flange Mount



CHFM8-6265DAY-EP ▸ CHFM60-6265DAY-EP

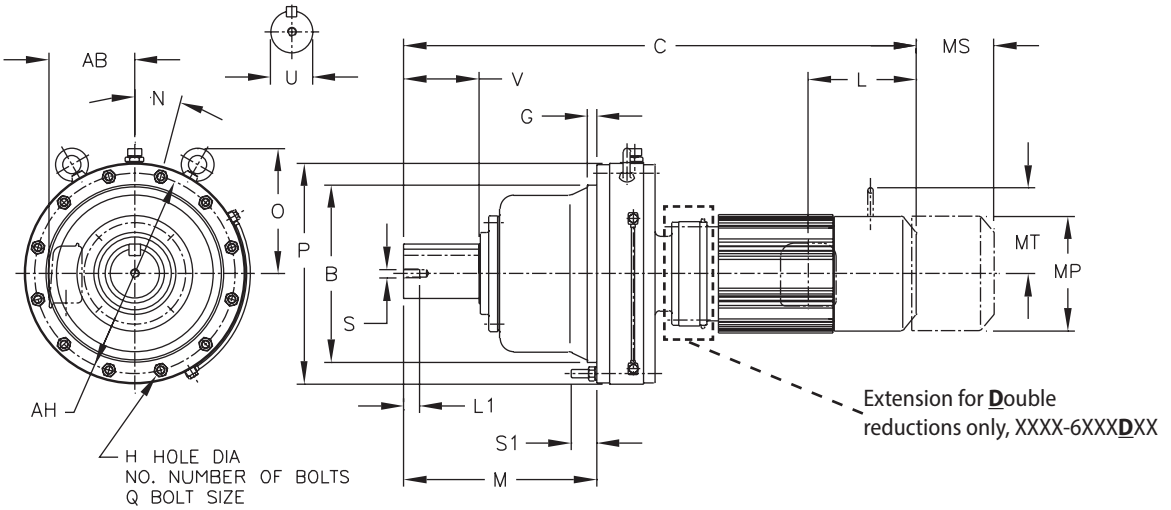


Table 1: Shaft Tolerances All dimensions are in inches (mm)

Low Speed Shaft Nominal Diameter	Tolerance Inches
0.500 through 0.625 (12.700 through 15.875)	+0.0000 / -0.0004 (+0.000 / -0.011)
0.750 through 1.125 (19.050 through 28.757)	+0.0000 / -0.0005 (+0.000 / -0.013)
1.250 through 1.875 (31.750 through 47.625)	+0.0000 / -0.0006 (+0.000 / -0.016)
2.000 through 3.125 (50.800 through 79.375)	+0.0000 / -0.0007 (+0.000 / -0.019)
3.250 through 4.625 (82.550 through 117.475)	+0.0000 / -0.0009 (+0.000 / -0.022)
4.750 through 7.000 (120.650 through 177.800)	+0.0000 / -0.0010 (+0.000 / -0.025)

Note: CHFM units are oil lubricated standard, must be installed as shown above.

Dimensions are in inches (mm)

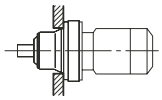
Model CHFM	B	G	H	NO.	M	N	P	Q	S1	AH
6265Y	22.44 (570)	1.57 (40)	1.34 (34)	12	28.03 (712)	15	28.98 (736)	M30	3.35 (85)	25.98 (660)

All dimensions are in inches (mm)

Model CHFM	Low Speed Shaft				
	U[A]	V	S	L1	Key
6265Y	6.63 (168.275)	11.81 (300)	1-1/4-7UNC	2.05 (52)	1-3/4 x 1-1/4 x 11.81 (44.45 x 31.75 x 300)

Note: [A] Toleranced dimension, please refer to Table 1 above.

Dimensions shown are for reference only and are subject to change without notice, unless certified. Certified prints are available after receipt of an order; consult factory.



Dimensions Integral Horizontal F-Flange Mount

XXXX-6XX0/6XX5 Frame sizes have equal dimensions, different ratings.
All dimensions are in inches (mm), lbs (kg)

CHFM8-6265DAY-EP ▶ CHFM60-6265DAY-EP

Model	HP x P (kW x P)	AB	Without Brake				With Brake					
			C	ML	MP[1]	Weight lb (kg)	C	ML	MP[1]	MS	MT	Weight lb (kg)
CHFM8-6265DAY-EP	7.5 x 4 (5.5 x 4)	7.34 (186)	58.31 (1481)	4.65 (118)	□8.74 (□222)	2683 (1217)	61.87 (1572)	8.21 (209)	□8.74 (□222)	6.02 (153)	6.30 (160)	2707 (1228)
CHFM10-6265DAY-EP	10 x 4 (7.5 x 4)	9.04 (230)	58.54 (1487)	5.43 (138)	□10.24 (□260)	2713 (1231)	62.68 (1592)	9.57 (243)	□10.24 (□260)	7.44 (189)	7.32 (186)	2758 (1251)
CHFM15-6265DAY-EP	15 x 4 (11 x 4)		60.98 (1549)			2726 (1237)	65.12 (1654)					2770 (1257)
CHFM20-6265DAY-EP	20 x 4 (15 x 4)	10.26 (261)	63.70 (1618)	7.01 (178)	ø12.49 (ø317)	2804 (1272)	69.00 (1753)	12.30 (313)	ø12.61 (ø320)	9.53 (242)	-	2890 (1311)
CHFM25-6265DAY-EP	25 x 4 (18.5 x 4)	13.39 (340)	67.87 (1724)	9.06 (230)	ø15.12 (ø384)	3083 (1399)	74.72 (1898)	15.91 (404)	ø15.28 (ø388)	12.13 (308)		3180 (1443)
CHFM30-6265DAY-EP	30 x 4 (22 x 4)											
CHFM40-6265DAY-EP	40 x 4 (30 x 4)		72.76 (1848)			3196 (1450)	79.61 (2022)					3293 (1494)
CHFM50-6265DAY-EP	50 x 4 (37 x 4)					3264 (1481)	-	-	-	-		-
CHFM60-6265DAY-EP	60 x 4 (45 x 4)	16.33 (415)	74.21 (1885)	16.81 (427)	ø18.66 (ø474)	3392 (1539)						

Note: [1] MP Dimension Symbol ø = Round Fan Cover
MP Dimension Symbol □ = Square Fan Cover

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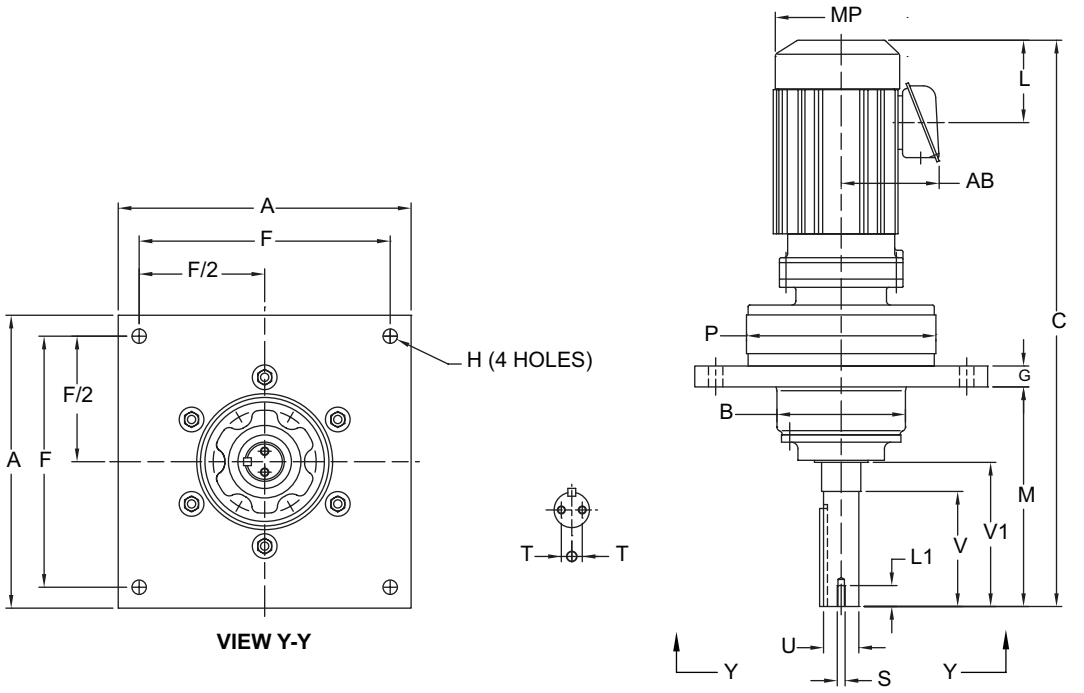
3 Options

Options

Integral Vertical F-Flange Mount, Overhead Drive

Double Reduction

CVFM-6130/5DCY ▸ 6180/5DBY



All dimensions are in inches

Model CVFM	Model DVX	A	B	C	F	G	H	M	P
6130/5DCY	35DVX	12.50	6.14	17.91	10.50	0.88	0.56	9.50	9.06
6140/5DBY	40DVX	14.00	6.14	18.80	12.00	1.00	0.43	10.50	9.06
6160/5DCY	50DVX	16.00	7.68	20.15	14.00	1.46	0.81	10.50	11.81
6170/5DCY	60DVX	19.50	8.50	25.82	17.00	1.65	0.94	15.50	13.39
6180/5DBY	70DVX	22.00	9.06	28.00	19.00	1.75	1.12	15.50	14.57

All dimensions are in inches

Model CVFM	Model DVX	Low Speed Shaft						
		T	U[A]	V	V1	S	L1	Key
6130/5DCY	35DVX	0.38	1.6250	4.50	5.76	5/16-18UNC	1.00	3/8 X 3/8 X 3.70
6140/5DBY	40DVX	0.50	1.6875	5.50	6.89	3/8-16UNC	1.00	3/8 X 3/8 X 4.69
6160/5DCY	50DVX	0.75	2.1875	5.50	-	3/8-16UNC	1.00	1/2 X 1/2 X 5.24
6170/5DCY	60DVX	0.75	2.4375	7.50	-	3/8-16UNC	1.00	5/8 X 5/8 X 6.50
6180/5DBY	70DVX	1.00	2.9375	7.50	9.22	3/8-16UNC	1.00	3/4 X 3/4 X 6.50

Note: [A] Toleranced dimension, please refer to Table 1.

Table 1 - Shaft Tolerances

Shaft Nominal Diameter (inches)	Tolerances (inches)
1.250 (1 1/4) through 1.875 (1 7/8)	+0.0000/-0.0006
2.000 (2) through 3.125 (3 1/8)	+0.0000/-0.0007
3.250 (3 1/4) through 4.625 (4 5/8)	+0.0000/-0.0009

Options

Integral Vertical F-Flange Mount, Overhead Drive

Double Reduction

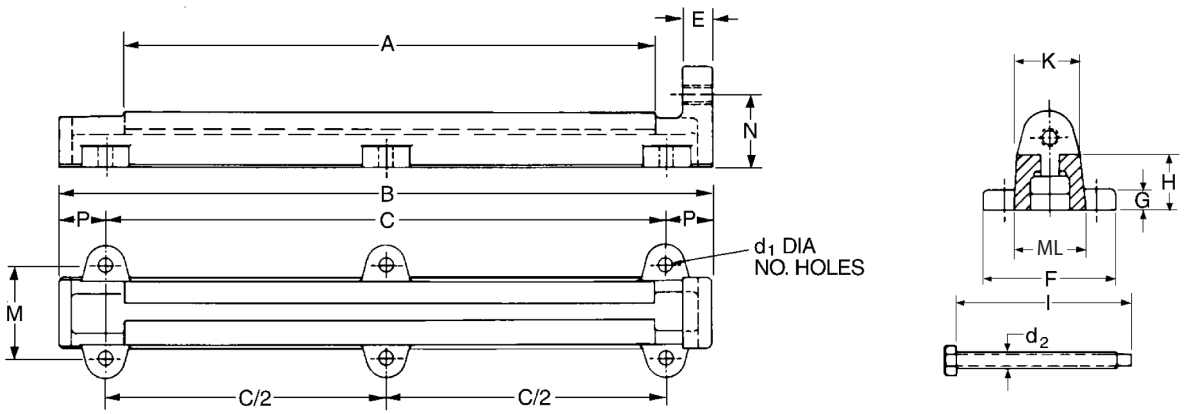
CVFM-6130/5DCY ▸ 6180/5DBY (cont.)

All dimensions are in inches

Model	Motor		Without Brake				Appx
	HP	Pole	C	AB	L	MP	Wt (lb)
CVFM05-6130/5DCY	1/2	4	23.58	5.04	2.32	4.88	138
CVFM08-6130/5DCY	3/4	4	25.19	5.63	3.82	5.83	147
CVFM1-6130/5DCY	1	4	25.19	5.63	3.82	5.83	147
CVFM1H-6130/5DCY	1.5	4	26.49	5.83	3.94	6.30	156
CVFM2-6130/5DCY	2	4	26.49	5.83	3.94	6.30	156
CVFM05-6140/5DBY	1/2	4	24.15	5.04	2.32	4.88	150
CVFM08-6140/5DBY	3/4	4	25.74	5.63	3.82	5.83	158
CVFM1-6140/5DBY	1	4	25.74	5.63	3.82	5.83	158
CVFM1H-6140/5DBY	1.5	4	27.07	5.83	3.94	6.30	167
CVFM2-6140/5DBY	2	4	27.07	5.83	3.94	6.30	167
CVFM05-6160/5DCY	1/2	4	25.03	5.04	2.32	4.88	249
CVFM08-6160/5DCY	3/4	4	26.61	5.63	3.82	5.83	258
CVFM1-6160/5DCY	1	4	26.61	5.63	3.82	5.83	258
CVFM1H-6160/5DCY	1.5	4	27.90	5.83	3.94	6.30	267
CVFM2-6160/5DCY	2	4	27.90	5.83	3.94	6.30	267
CVFM3-6160/5DCY	3	4	28.69	6.10	4.13	6.81	276
CVFM5-6160/5DCY	5	4	29.60	6.54	5.00	8.35	298
CVFM05-6170/5DCY	1/2	4	30.70	5.04	2.32	4.88	404
CVFM08-6170/5DCY	3/4	4	32.28	5.63	3.82	5.83	413
CVFM1-6170/5DCY	1	4	32.28	5.63	3.82	5.83	413
CVFM1H-6170/5DCY	1.5	4	33.58	5.83	3.94	6.30	422
CVFM2-6170/5DCY	2	4	33.58	5.83	3.94	6.30	422
CVFM3-6170/5DCY	3	4	34.36	6.10	4.13	6.81	431
CVFM5-6170/5DCY	5	4	35.27	6.54	5.00	8.35	453
CVFM8-6170/5DCY	7.5	4	37.00	6.54	5.00	8.35	468
CVFM1-6180/5DBY	1	4	34.14	5.63	3.82	5.83	591
CVFM1H-6180/5DBY	1.5	4	35.44	5.83	3.94	6.30	599
CVFM2-6180/5DBY	2	4	35.44	5.83	3.94	6.30	599
CVFM3-6180/5DBY	3	4	36.22	6.10	4.13	6.81	606
CVFM5-6180/5DBY	5	4	37.13	6.54	5.00	8.35	628
CVFM8-6180/5DBY	7.5	4	38.86	6.54	5.00	8.35	643
CVFM10-6180/5DBY	10	4	39.77	8.31	5.63	9.88	677

Options

Slide Rail



All dimensions are in inches

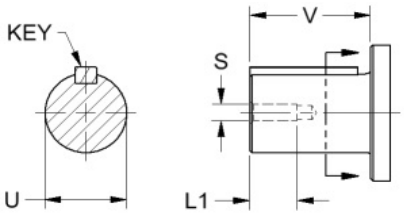
Model[1]	A	B	C	E	F	G	H	K	ML	M	N	P	d_1	No. Holes	C/2	Wt. Lbs. Pc.	Adjust[2] Bolt (d_2 x i)	Cyclo Mount[2] Bolt (Sq.Hd.)
6090, 6095 6100, 6105 610H	10.63	17.32	16.14	.79	1.34	0.71	1.97	1.18	.79	—	2.28	.59	.55	2	—	5	M12 x 4.72	M10 x 1.57
6120, 6125 612H	11.42	20.08	18.50	1.18	1.97	0.98	2.76	1.57	1.18	—	3.15	.79	.71	2	—	10	M16 x 5.12	M12 x 1.97
6130, 6135 6140, 6145 614H	15.75	20.47	16.93	1.18	4.72	0.79	1.97	1.97	2.36	3.35	2.44	1.77	.55	4	—	14	M16 x 6.30	M16 x 2.56
6160, 6165 616H	20.47	25.20	21.65	1.18	5.12	0.98	2.05	2.17	2.76	3.74	2.76	1.77	.55	4	—	26	M16 x 7.87	M16 x 2.56
6170, 6175	21.65	29.53	23.62	1.77	7.09	1.18	2.56	3.15	3.74	5.12	3.35	2.95	.87	4	—	38	M24 x 9.45	M20 x 3.15
6180, 6185	25.59	33.46	27.56	1.77	7.09	1.18	3.15	3.15	3.74	5.12	3.94	2.95	.87	4	—	42	M24 x 11.81	M20 x 3.15
6190, 6195	25.59	33.46	27.56	1.77	9.06	1.57	3.54	3.94	5.12	6.69	4.33	2.95	1.02	4	—	84	M24 x 11.81	M24 x 3.94
6205	31.50	39.37	33.46	1.77	9.06	1.38	3.94	4.72	5.91	7.09	4.92	2.95	1.02	6	16.73	114	M24 x 12.99	M24 x 4.33
6215	31.50	39.37	33.46	1.77	9.06	1.38	3.94	4.72	5.91	7.09	4.92	2.95	1.02	6	16.73	114	M24 x 12.99	M24 x 4.53
6225, 6235	32.28	48.82	37.00	2.17	10.04	1.61	5.51	6.69	10.04	6.89	6.50	5.91	1.54	6	18.50	254	M36 x 16.34	M30 x 4.72
6245	44.09	60.63	48.82	2.17	10.04	1.61	6.89	6.69	10.04	6.89	7.87	5.91	1.54	6	24.41	346	M36 x 25.20	M36 x 5.31
6255	44.09	60.63	48.82	2.17	10.04	1.61	6.89	6.69	10.04	6.89	7.87	5.91	1.54	6	24.41	346	M36 x 25.20	M36 x 5.51

Notes: **[1]** Models 6090 through 6255 require two rails
[2] Metric bolts furnished by factory; lengths show in inches

Options

Low Speed Shaft Specifications

Metric DIN Style "G"

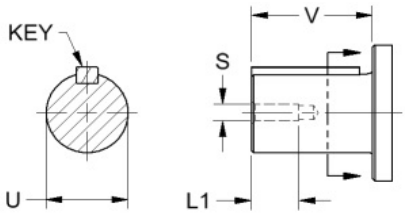


All dimensions are in mm

Size	Type	ØU	Tolerance	V	S	L1	Key Dimensions
606 X	G	14 k6	+0.012 +0.001	25	M5	16	5 x 5 x 20
607 X	G	19 k6	+0.015 +0.002	30	M6	16	6 x 6 x 25
608 X	G	22 k6	+0.015 +0.002	35	M6	16	6 x 6 x 30
609 X	G	28 k6	+0.015 +0.002	35	M8	20	8 x 7 x 32
610 X	G	28 k6	+0.015 +0.002	35	M8	20	8 x 7 x 32
611 X	G	32 k6	+0.018 +0.002	45	M8	20	10 x 8 x 37
612 X	G	38 k6	+0.018 +0.002	55	M8	20	10 x 8 x 50
613 X	G	50 h6	0 -0.016	70	M10	20	14 x 9 x 56
614 X	G	50 h6	0 -0.016	90	M10	20	14 x 9 x 80

X = 0 or 5; single stage and multistage

Metric JIS

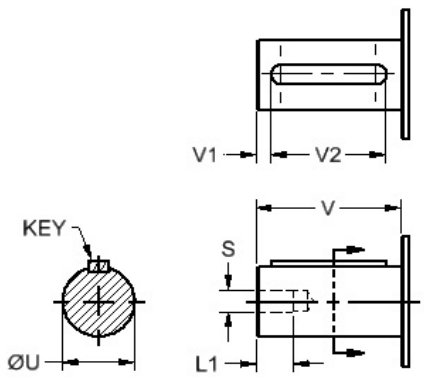


All dimensions are in mm

Size	Type	ØU	Tolerance	V	S	L1	Key Dimensions
606 X	-	14 h6	+0 / -0.011	25	M5	16	5 x 5 x 20
607 X	-	18 h6	+0 / -0.011	30	M6	16	6 x 6 x 25
608 X	-	22 h6	+0 / -0.013	35	M6	16	6 x 6 x 30
609 X	-	28 h6	+0 / -0.013	35	M8	20	8 x 7 x 32
610 X	-	28 h6	+0 / -0.013	35	M8	20	8 x 7 x 32
611 X	-	32 h6	+0 / -0.016	45	M8	20	10 x 8 x 37
612 X	-	38 h6	+0 / -0.016	55	M8	20	10 x 8 x 50
613 X	-	50 h6	+0 / -0.016	70	M10	20	14 x 9 x 56
614 X	-	50 h6	+0 / -0.016	90	M10	20	14 x 9 x 80
616 X	-	60 h6	0 -0.019	90	M10	20	18 x 11 x 80
617 X	-	70 h6	0 -0.019	90	M12	24	20 x 12 x 80
618 X	-	80 h6	0 -0.019	110	M12	24	22 x 14 x 100
619 X	-	95 h6	0 -0.022	135	M20	34	25 x 14 x 125
620 X	-	100 h6	0 -0.022	165	M20	34	28 x 16 x 165
621 X	-	110 h6	0 -0.022	165	M20	34	28 x 16 x 165
622 X	-	120 h6	0 -0.022	165	M20	34	32 x 18 x 165
623 X	-	130 h6	0 -0.025	200	M24	41	32 x 18 x 200
624 X	-	140 h6	0 -0.025	200	M24	41	36 x 20 x 240
625 X	-	160 h6	0 -0.025	240	M30	52	40 x 22 x 240
626 X	-	170 h6	0 -0.025	300	M30	52	40 x 22 x 300
627 X	-	180 h6	0 -0.025	330	M30	52	45 x 22 x 330

X = 0 or 5; single stage and multistage

Metric DIN Style "E"



All dimensions are in mm

Size	Type	ØU	Tolerance	V	S	L1	Key Dimensions	V_1	V_2
606 X	E	14 k6	+0.012 +0.001	30	M5	16	5 x 5 x 20	2.5	25
607 X	E	20 k6	+0.015 +0.002	40	M6	16	6 x 6 x 25	4	32
608 X	E	25 k6	+0.015 +0.002	50	M10	20	6 x 6 x 30	3.5	40
609 X	E	25 k6	+0.015 +0.002	50	M10	20	8 x 7 x 32	3.5	40
610 X	E	30 k6	+0.015 +0.002	60	M10	20	8 x 7 x 32	3.5	50
611 X	E	35 k6	+0.018 +0.002	70	M12	20	10 x 8 x 37	7	56
612 X	E	35 k6	+0.018 +0.002	70	M12	24	10 x 8 x 50	7	56
613 X	E	50 k6	+0.018 +0.002	100	M16	30	14 x 9 x 56	10	80
614 X	E	50 k6	+0.018 +0.002	100	M16	30	14 x 9 x 80	10	80

X = 0 or 5; single stage and multistage

Options

Industry Packages

Four food-grade packages are available for use in machinery where there in incidental food contact. (Chemi SHIELD, SHIELD360, Food-Grade, and Ultra SHIELD360)

The food-grade optional packages are available for Cyclo© frame sizes 6060 through 6165.

When ordering, choose the Special Specification Code (SSC) that meets your requirements to obtain the features listed below.

Modification	Chemi SHIELD360*	Chemical Duty	Mill Duty	Low Temp	High Temp	Weather Proof IP54	Washdown IP55	SHIELD360*	Food-Grade	Ultra SHIELD360*
Motor Portion										
Gasketed Conduit Box	X	X				X	X	X	X	
V Ring Seal- Fan End	X	X				X	X	X	X	
Special Oil Seal				X	X					
Special Windings				X	X					
Sealer @ Joints	X	X				X	X	X	X	
Stainless Steel or Zinc Hardware	X	X								
Special Fan				X	X					
Epoxy Paint		X	X				X			
FDA Epoxy Paint									X	
FDA White Acrylic Top Coat								X		
FDA Stainless Grey Acrylic Top Coat	X									
Brake Cover and Seal	X	X				X	X	X		
Reducer Portion										
Severe Duty Breather	X	X	X			X	X			X
Epoxy Paint		X	X				X			
FDA Epoxy Paint									X	
FDA White Acrylic Top Coat								X		
FDA Stainless Grey Acrylic Top Coat	X	X								
FDA Stainless Grey Epoxy Clear Top										X
FDA Grease/Oil								X	X	X
Low Temp Grease / Oil				X						
High Temp Grease / Oil					X					
Double Output Seals			X				X			
Polyacrylate High Temp Seals					X					
Low Temperature Seals				X						
FKM AM & Chemical	X	X								X
Stainless Steel or Zinc Hardware										X
Stainless or Tesa Nameplate	X	X								X
Stainless Steel Output Shaft	X									X
High Capacity Bearing			X							
Shoulder Bolts or Dowel Pins			X							
Modified Oil Gauge					X					
Ductile Iron Housing			X							

Stainless Steel Solid Shaft - maximum torque ratings with standard solid shaft diameters are the same as those listed in this catalog for standard models. Consult the factory when ordering smaller than standard diameters, or if there will be overhung load.

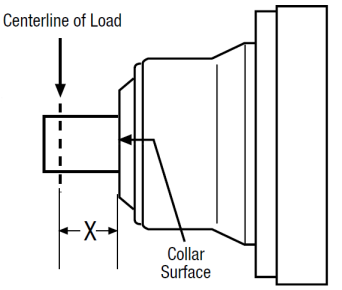
* UltraShield360° ™ available in quill input option only
Low Temp Package = -30 degrees C Maximum. For lower temperature requirements consult factory.
High Temp Package = 50 degrees C Maximum. For higher temperature requirements consult factory.

4 Technical Information

Overhung Loads • Slow Speed Shaft

Overhung Loads are loads that act perpendicular to the reducer shaft. Each reducer has a maximum allowable overhung load (OHL) capacity, which is shown in the Frame Size Selection Tables for each reducer. In applications with an OHL, it is critical that the OHL is calculated and that the chosen reducer is adequately sized for the maximum OHL.

How to Calculate Overhung Load (OHL)



Step 1. Measure distance X from reducer collar surface to the centerline of the OHL.

Step 2. Determine Lf (Load Location Factor) for your chosen Frame Size, using Load Location Factor Table on the next page.

Step 3. Determine Cf (Connection Factor) and Fs (Shock Factor) from the tables below:

Connection Factor (Cf)

CONNECTION TYPE		Cf
General Purpose Chain	Single Row	1.0
	Double Row	1.25
Machined Gear or Pinion		1.25
Synchronous Belt		1.5
V-Belt		1.5
Flat Belt		2.5

Shock Factor (Fs)

SHOCK FACTOR	Fs
No Shock	1.0
Moderate Shock	1.3
Heavy Shock	1.6

Step 4. Apply Lf, Cf and Sf to the formula to calculate the OHL.

$$Pr = \frac{Tl}{R} \leq \frac{Pro}{Lf \bullet Cf \bullet Fs} \quad \text{(lbs, N)}$$

Pr =	Actual radial load
Tl =	Actual transmitted torque on slow speed shaft of reducer (lb • in, N • m)
R =	Pitch circle radius of sprocket, gear, pulley, ect. (inch, meter)
Pro =	Allowable radial load (lbs, N)
Cf =	Connection factor
Fs =	Shock factor
Lf =	Load location factor

Note: When the Slow Speed Shaft is under both Radial and Axial Load, calculate Overhung Load first and proceed with calculations on Axial Loads page 4.6

Step 5. Refer back to the Frame Size Selection Tables (pp. 2.9–2.100) to determine maximum allowable OHL capacity for the selected Frame Size.

If the calculated OHL does not exceed the OHL capacity (from Selection Table), the selected Frame Size is acceptable.

If the calculated OHL exceeds the OHL capacity, there are two standard options that can increase the OHL capacity of a reducer:

- High Capacity Bearings Option–R1
- Ductile Iron Housing & High Capacity Bearings Option–R2

If neither of these options adequately increase the OHL capacity:
1. Choose the next larger Frame Size, or
2. Move the OHL closer to the collar surface, or
3. Decrease the OHL by increasing the pitch diameter of the connecting drive.

Be sure to recalculate and verify the OHL capacity for the new frame size.

Overhung Loads, Slow Speed Shaft continued

Table 4.1 Load Location Factors (Lf), Slow Speed Shaft

Frame Size		X (inches)																			
Single Reduction	Double Reduction	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	3 1/2	4	4 1/2	5	6	7	8	9	10	11
6060, 6065	6060DA, 6065DA	0.86	1.08	1.49	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6070, 6075	6070DA, 6075DA	0.85	0.96	1.23	1.61	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6080, 6085	—	0.83	0.91	1.01	1.30	1.63	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6090, 6095	6090DA, 6095DA	0.88	0.95	1.10	1.40	1.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6100 6105 610H	6100DA, 6105DA	0.88	0.95	1.10	1.40	1.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6110, 6115	—	0.80	0.87	0.95	1.02	1.12	1.30	1.51	—	—	—	—	—	—	—	—	—	—	—	—	—
6120, 6125 612H	6120DA, 6120DB 6125DA, 6125DB	—	0.85	0.91	0.98	1.14	1.36	1.57	—	—	—	—	—	—	—	—	—	—	—	—	—
6130 6135	6130DA, 6130DB 6130DC, 6135DA 6135DB, 6135DC	—	—	0.86	0.92	0.97	1.08	1.24	1.40	1.72	—	—	—	—	—	—	—	—	—	—	—
6140 6145 614H	6140DA, 6140DB 6140DC, 6145DA 6145DB, 6145DC	—	—	—	0.74	0.82	0.91	0.99	1.12	1.37	1.62	1.88	—	—	—	—	—	—	—	—	—
6160 6165 616H	6160DA, 6160DB 6160DC, 6165DA 6165DB, 6165DC	—	—	—	0.87	0.91	0.95	1.00	1.13	1.39	1.67	1.94	—	—	—	—	—	—	—	—	—
6170 6175	6170DA, 6170DB 6170DC, 6175DA	—	—	—	0.89	0.93	0.96	1.00	1.13	1.39	1.67	1.94	—	—	—	—	—	—	—	—	—
6180 6185	6180DA, 6180DB 6185DA, 6185DB	—	—	—	0.85	0.88	0.92	0.95	0.99	1.15	1.37	1.58	—	—	—	—	—	—	—	—	—
6190 6195	6190DA, 6190DB 6195DA, 6195DB	—	—	—	—	0.86	0.88	0.91	0.93	0.99	1.13	1.30	1.48	1.67	—	—	—	—	—	—	—
6205	6205DA, 6205DB	—	—	—	—	—	—	0.74	0.78	0.86	0.95	1.04	1.13	1.22	1.31	1.49	—	—	—	—	—
6215	6215DA, 6215DB	—	—	—	—	—	—	0.73	0.78	0.86	0.95	1.04	1.14	1.23	1.32	1.50	—	—	—	—	—
6225	6225DA, 6225DB	—	—	—	—	—	—	0.88	0.90	0.94	0.98	1.02	1.06	1.10	1.14	1.23	—	—	—	—	—
6235	6235DA, 6235DB	—	—	—	—	—	—	0.84	0.85	0.89	0.93	0.97	1.00	1.04	1.08	1.16	1.23	—	—	—	—
6245	6245DA, 6245DB	—	—	—	—	—	—	0.84	0.86	0.90	0.93	0.97	1.00	1.04	1.08	1.15	1.22	—	—	—	—
6255	6255DA, 6255DB	—	—	—	—	—	—	—	0.83	0.86	0.89	0.93	0.95	0.99	1.02	1.08	1.21	1.38	1.54	—	—
6265	6265DA	—	—	—	—	—	—	—	—	—	0.84	0.88	0.90	0.93	0.95	1.02	1.16	1.31	1.47	1.64	1.80
6275	6275DA	—	—	—	—	—	—	—	—	—	—	0.71	0.76	0.80	0.85	0.95	1.08	1.23	1.37	1.52	1.67

Overhung Loads, Slow Speed Shaft continued

Table 4.2 High Capacity Bearings Option

Type R1

Slow Speed Shaft Overhung Load Capacity (lbs.)

Frame Size		Output Shaft Speed (RPM)							
Single Reduction	Double Reduction	10 & Below	15	20	25	30	35	40	50
6130, 6135, 6140, 6145, 614H	6130DA, 6130DB 6130DC, 6135DA 6135DB, 6135DC, 6140DA, 6140DB, 6140DC, 6145DA, 6145DB, 6145DC	3310	3310	3310	3310	3310	3310	3310	3310
6160 6165 616H	6160DA, 6160DB 6160DC, 6165DA 6165DB, 6165DC	4960	4960	4960	4960	4960	4960	4960	4960
6170 6175	6170DA, 6170DB 6170DC, 6175DA 6175DB, 6175DC	6640	6640	6640	6640	6640	6640	6640	6640
6180 6185	6180DA, 6180DB 6185DA, 6185DB	9370	9370	9370	9370	9370	9370	9370	9370
6190 6195	6190DA, 6190DB 6195DA, 6195DB	13200	13200	13200	13200	13200	13200	13200	12400

Frame Size		Output Shaft Speed (RPM)							
Single Reduction	Double Reduction	60	80	100	125	150	200	250	300
6130, 6135, 6140, 6145, 614H	6130DA, 6130DB 6130DC, 6135DA 6135DB, 6135DC, 6140DA, 6140DB, 6140DC, 6145DA, 6145DB, 6145DC	3310	3170	3040	2820	2670	2450	2290	2170
6160 6165 616H	6160DA, 6160DB 6160DC, 6165DA 6165DB, 6165DC	4960	4960	4850	4520	4280	3920	3660	3460
6170 6175	6170DA, 6170DB 6170DC, 6175DA 6175DB, 6175DC	6640	6640	6590	6150	5820	5360	4980	4740
6180 6185	6180DA, 6180DB 6185DA, 6185DB	9370	9280	8660	8140	7690	7050	—	—
6190 6195	6190DA, 6190DB 6195DA, 6195DB	11900	10600	9900	9220	8600	7800	—	—

Overhung Loads, Slow Speed Shaft continued

Table 4.3 Ductile Iron Housing and High Capacity Bearings Option

Type R2

Slow Speed Shaft Overhung Load Capacity (lbs.)

Frame Size		Output Shaft Speed (RPM)									
Single Reduction	Double Reduction	4 & Below	5	6	8	10	15	20	25	30	35
6130, 6135, 6140, 6145, 614H	6130DA, 6130DB 6130DC, 6135DA 6135DB, 6135DC, 6140DA, 6140DB, 6140DC, 6145DA, 6145DB, 6145DC	5396	5396	5396	5396	5396	5351	4901	4586	4339	4137
6160 6165 616H	6160DA, 6160DB 6160DC, 6165DA 6165DB, 6165DC	7554	7554	7554	7554	7554	7554	7554	7487	7082	6767
6170 6175	6170DA, 6170DB 6170DC, 6175DA 6175DB, 6175DC	10319	10319	10319	10319	10319	10319	10319	10184	9645	9195
6180 6185	6180DA, 6180DB 6185DA, 6185DB	12522	12522	12522	12522	12522	12522	12522	12522	12522	12140
6190 6195	6190DA, 6190DB 6195DA, 6195DB	16142	16142	16142	16142	16142	16142	16142	16142	15580	14861
6205	6205DA, 6205DB	21987	21987	21987	21987	21987	20031	18390	17199	16277	15535
6215	6215DA, 6215DB	29860	28327	26754	24505	22932	20346	18660	17446	16524	15760
6225	6225DA, 6225DB	36196	35072	33273	30351	28327	25180	23156	21650	20479	19559
6235	6235DA, 6235DB	41142	41142	41142	38219	35746	31700	29002	27203	25629	24505
6245	6245DA, 6245DB	50135	46987	44514	40692	37995	33723	31025	29002	27428	26079
6255	6255DA, 6255DB	61601	58004	54856	50360	47212	41592	38219	35746	33948	32374
6265	6265DA	63624	63624	63624	60701	56879	50360	46088	42941	40692	39119
6275	6275DA	61151	61151	61151	61151	61151	61151	61151	61151	61151	—

Frame Size		Output Shaft Speed (RPM)									
Single Reduction	Double Reduction	40	50	60	80	100	125	150	200	250	300
6130, 6135, 6140, 6145, 614H	6130DA, 6130DB 6130DC, 6135DA 6135DB, 6135DC, 6140DA, 6140DB, 6140DC, 6145DA, 6145DB, 6145DC	4002	3710	3507	3237	3035	2833	2675	2451	2293	2172
6160 6165 616H	6160DA, 6160DB 6160DC, 6165DA 6165DB, 6165DC	6497	6070	5755	5283	4946	4609	4362	4024	3732	3462
6170 6175	6170DA, 6170DB 6170DC, 6175DA 6175DB, 6175DC	8835	8273	7824	7172	6722	6272	5935	5463	4991	4744
6180 6185	6180DA, 6180DB 6185DA, 6185DB	11668	10904	10319	9465	8858	8296	7846	7194	—	—
6190 6195	6190DA, 6190DB 6195DA, 6195DB	14276	13354	12657	11601	10859	10139	9622	8835	—	—
6205	6205DA, 6205DB	14928	13961	13219	12140	11353	10589	10027	9218	—	—
6215	6215DA, 6215DB	15153	14164	13399	12320	11533	10769	10207	9353	—	—
6225	6225DA, 6225DB	18772	17558	16637	15265	14276	13354	12657	11578	—	—
6235	6235DA, 6235DB	23606	22055	20886	19177	17941	16749	—	—	—	—
6245	6245DA, 6245DB	25180	23606	22235	20414	19087	17851	—	—	—	—
6255	6255DA, 6255DB	31250	29002	27653	25180	23606	22100	—	—	—	—
6265	6265DA	37320	35072	33273	30351	28327	26529	—	—	—	—
6275	6275DA	—	—	—	—	—	—	—	—	—	—

Indicates ductile iron housing and high capacity bearing is standard

Overhung Loads, Slow Speed Shaft continued

Table 4.3 Ductile Iron Housing and High Capacity Bearings Option (cont.)

Type R2

V Dimensions (Usable shaft length)

Model	6130/5	6140/5 614H	6160/5 616H	6170/5	6180/5	6190/5
V **in (mm)**	2.40 (61)	3.19 (81)	3.15 (80)	3.31 (84)	3.94 (100)	4.92 (125)

Axial Loads

How to Calculate Axial Loads

When axial and overhung loads are combined to act on the Slow Speed Shaft, this formula is used to determine if the combined loading is acceptable for the selected Cyclo® reducer.

Axial Loads are loads that act parallel to the reducer shaft. Each reducer has a maximum allowable axial load capacity, which is shown in table below. When the maximum allowable axial load exceeds the capacity shown in the table, the next larger frame size should be chosen.

Axial Load, PA

$$Pa \leq \frac{Pao}{Cf \cdot Fs} \quad \text{(lbs, N)}$$

Formula for Combined Radial and Axial Load on Slow Speed Shaft

$$\left(\frac{Pr \cdot Lf}{Pro} + \frac{Pa}{Pao}\right) \cdot Cf \cdot Fs \leq 1$$

Pr =	Actual Overhung Load
Lf =	Load Location Factor
Pro =	Allowable Overhung Load
Pa =	Actual Axial Load (lbs, N)
Pao =	Allowable Axial Load (lbs,N)
Cf =	Connection Factor
Fs =	Shock Factor

If the calculated loads exceed the limits shown below in Axial Load Capacity Table:

1. Decrease the OHL by moving the load closer to the shaft collar or by increasing the pitch diameter of the connecting device,

or

2. Select the next larger frame size. Repeat the Axial Load calculation to verify the selection.

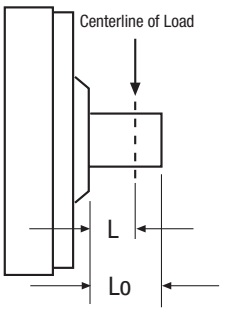
Table 4.4 Axial Load Capacity, Slow Speed Shaft (lbs.)

Frame Size		Output Shaft Speed (RPM)															
Single Reduction	Double Reduction	~10	15	20	25	30	35	40	50	60	80	100	125	150	200	250	300
6060 6065	6060DA 6065DA	66	66	66	66	66	66	66	66	66	66	66	66	66	66	—	—
6070 6075	6070DA 6075DA	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176	176
6080 6085	—	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221
6090 6095	6090DA 6095DA	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221	221
6100 6105 610H	6100DA 6105DA	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330
6110 6115	—	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330	330
6120 6125 612H	6120DA 6120DB 6125DA 6125DB	661	661	661	661	661	661	661	661	661	661	661	661	661	623	562	537
6130 6135	6130DA 6130DB 6130DC 6135DA 6135DB 6135DC	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881	881
6140 6145 614H	6140DA 6140DB 6140DC 6145DA 6145DB 6145DC	1214	1214	1214	1214	1214	1214	1214	1214	1214	1176	1093	1025	982	866	825	776
6160 6165 616H	6160DA 6160DB 6160DC 6165DA 6165DB 6165DC	1545	1545	1545	1545	1545	1545	1545	1545	1545	1545	1545	1545	1545	1416	1281	—
6170 6175	6170DA 6170DB 6170DC 6175DA 6175DB 6175DC	2205	2205	2205	2205	2205	2205	2205	2205	2205	2205	2205	2176	2028	1819	1648	1547
6180 6185	6180DA 6180DB 6185DA 6185DB	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	3080	2945	2810	2473	—	—
6190 6195	6190DA 6190DB 6195DA 6195DB	4406	4406	4406	4406	4406	4406	4406	4406	4406	4406	4406	4159	3934	3462	—	—
6205	6205DA 6205DB	5958	5283	4744	4406	4182	4069	3979	3754	3530	3192	2968	2878	2765	2540	—	—
6215	6215DA 6215DB	6183	5508	4969	4631	4406	4182	4069	3867	3642	3305	3080	2968	2878	2653	—	—
6225	6225DA 6225DB	6610	5755	5216	4879	4631	4406	4204	3957	3754	3440	3237	3058	2945	2720	—	—
6235	6235DA 6235DB	7936	7059	6385	5958	5621	5283	5081	4744	4519	4182	3979	3754	—	—	—	—
6245	6245DA 6245DB	8386	7599	6947	6475	6138	5868	5643	5283	5013	4721	4474	4294	—	—	—	—
6255	6255DA 6255DB	10814	9690	8858	8296	7891	7554	7262	6835	6407	6025	5733	5441	—	—	—	—
6265	6265DA	11691	11691	11466	10679	10072	9622	9353	8746	8386	7824	7419	6992	—	—	—	—
6275	6275DA	13242	13242	13242	13242	13242	13242	13242	13242	—	—	—	—	—	—	—	—

Overhung Loads • High Speed Shaft

Overhung Loads are loads that act perpendicular to the reducer shaft. Each reducer has a maximum allowable overhung load (OHL) capacity, which is shown in the Frame Size Selection Tables for each reducer. In applications with an OHL, it is critical that the OHL is calculated and that the chosen reducer is adequately sized for the maximum OHL.

How to Calculate Overhung Load (OHL)



Step 1. Measure distance X from reducer collar surface to the centerline of the OHL.

Step 2. Determine Lf (Load Location Factor) for your chosen Frame Size, using Load Location Factor Table on the next page.

Step 3. Determine Cf (Connection Factor) and Fs (Shock Factor) from the tables below:

Connection Factor (Cf)

CONNECTION TYPE		Cf
General Purpose Chain	Single Row	1.0
	Double Row	1.25
Machined Gear or Pinion		1.25
Synchronous Belt		1.50
V-Belt		1.50
Flat Belt		2.50

Shock Factor (Fs)

SHOCK FACTOR	Fs
No Shock	1.0
Moderate Shock	1.3
Heavy Shock	1.6

Step 4. Apply Lf, Cf and Sf to the formula to calculate the OHL.

$$Pr = \frac{Tl}{R} \leq \frac{Pro}{Lf \cdot Cf \cdot Fs} \quad \text{(lbs, N)}$$

Pr =	Actual radial load
Tl =	Actual transmitted torque on slow speed shaft of reducer (lb • in, N • m)
R =	Pitch circle radius of sprocket, gear, pulley, ect. (inch, meter)
Pro =	Allowable radial load (lbs, N)
Cf =	Coupling factor
Fs =	Shock factor
Lf =	Load location factor

Step 5. Refer back to the OHL Capacity Table to determine maximum allowable OHL capacity for the selected Frame Size.

If the calculated OHL does not exceed the OHL capacity (from Selection Table), the selected Frame Size is acceptable.

If the calculated OHL exceeds the OHL capacity, you must choose the next larger Frame Size. Be sure to recalculate and verify the OHL capacity for the new frame size.

Overhung Loads, High Speed Shaft continued

Table 4.5 Load Location Factors (Lf), High Speed Shaft

Frame Size		L (inch)																		
Single Reduction	Double Reduction	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2
6060 6065	6060DA 6065DA 6070DA 6075DA	0.78	1.07	1.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6070 6075	6090DA 6095DA 6100DA 6105DA 6120DA 6125DA 6130DA 6135DA 6140DA 6145DA	0.78	1.07	1.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6080 6085	—	0.78	1.07	1.52	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6090 6095	6120DB 6125DB 6130DB 6135DB 6140DB 6145DB 6160DA 6165DA 6170DA 6175DA	0.90	1.09	1.52	2.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6100 6105 610H	6130DC 6135DC 6140DC 6145DC 6160DB 6165DB 6170DB 6175DB 6180DA 6185DA	0.93	1.09	1.52	2.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6110 6115	—	0.93	1.09	1.52	2.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6120 6125 612H	6160DC 6165DC 6170DC 6175DC 6190DA 6195DA 6205DA	—	0.87	1.10	1.43	1.77	2.12	—	—	—	—	—	—	—	—	—	—	—	—	—
6130 6135	6180DB 6185DB 6190DB 6195DB 6205DB 6215DA 6225DA	—	0.84	0.98	1.25	1.53	1.83	2.11	—	—	—	—	—	—	—	—	—	—	—	—
6140 6145 614H	—	—	0.84	0.98	1.25	1.53	1.83	2.11	—	—	—	—	—	—	—	—	—	—	—	—
6160 6165 616H	6215DB 6235DA 6245DA	—	0.94	0.97	1.06	1.22	1.36	1.51	1.66	—	—	—	—	—	—	—	—	—	—	—
6170 6175	6255DA 6225DB	—	—	0.95	0.99	1.09	1.23	1.38	1.51	1.79	2.08	—	—	—	—	—	—	—	—	—
6180 6185	6235DB 6245DB	—	—	—	0.96	1.01	1.11	1.24	1.37	1.63	1.88	2.15	—	—	—	—	—	—	—	—
6190 6195	6255DB 6265DA 6275DA	—	—	—	0.95	0.99	1.06	1.15	1.26	1.47	1.69	1.90	—	—	—	—	—	—	—	—
6205	—	—	—	—	0.93	0.96	0.99	1.04	1.11	1.26	1.40	1.55	1.70	1.84	—	—	—	—	—	—
6215	—	—	—	—	0.93	0.96	0.99	1.03	1.09	1.23	1.36	1.50	1.63	1.76	—	—	—	—	—	—
6225	—	—	—	—	0.94	0.97	0.99	1.02	1.04	1.10	1.20	1.32	1.43	1.55	—	—	—	—	—	—
6235	—	—	—	—	0.84	0.86	0.88	0.93	0.99	1.10	1.22	1.33	1.45	1.57	—	—	—	—	—	—
6245	—	—	—	—	0.91	0.93	0.95	0.98	1.00	1.10	1.21	1.32	1.43	1.54	—	—	—	—	—	—
6255	—	—	—	—	—	—	0.93	0.94	0.96	1.00	1.07	1.15	1.23	1.31	1.39	1.47	1.55	1.63	1.71	—
6265	—	—	—	—	—	—	0.93	0.94	0.96	1.00	1.07	1.15	1.23	1.31	1.39	1.47	1.55	1.63	1.71	—
6275	—	—	—	—	—	—	—	—	0.94	0.98	1.02	1.13	1.23	1.34	1.45	1.56	1.66	1.77	1.90	2.00

Overhung Loads, High Speed Shaft continued

Table 4.6 Overhung Load Capacity, High Speed Shaft (lbs.)

Frame Size		Input Speed (RPM)							
Single Reduction	Double Reduction	Ratio	1750	1450	1165	980	870	720	580
6060 6065	6060DA 6065DA 6070DA 6075DA	6~17, 25~35 21, 43	44 17.6	33 6.6	33 11	44 11	44 11	44 11	44 11
6070 6075	6090DA 6095DA 6100DA 6105DA 6120DA 6125DA 6130DA 6135DA 6140DA 6145DA	6~17, 25~35, 51, 59 21, 43	44 11	33 11	33 11	44 11	44 11	44 33	44 44
6080 6085	—	6~15, 21, 29, 43~59, 87 17, 35, 71	44 11	33 11	33 11	44 11	44 11	44 33	44 44
6090 6095	6120DB 6125DB 6130DB 6135DB 6140DB 6145D 6160DA 6165DA 6170DA 6175DA	6~17, 25~71, 119 21, 87	66 44	66 44	66 44	66 44	66 55	66 55	66 66
6100 6105 610H	6130DC 6135DC 6140DC 6145DC 6160DB 6165DB 6170DB 6175DB 6180DA 6185DA	6~11, 17~119 13, 15	99 99	99 77	110 99	121 110	132 110	132 121	132 132
6110 6115	—	6, 8, 21~87 11~17	99 44	77 44	99 44	110 44	110 55	121 55	132 66
6120 6125 612H	6160DC 6165DC 6170DC 6175DC 6190DA 6195DA 6205DA	6~17 21~87	133 121	155 99	166 110	175 121	198 133	198 198	198 198
6130 6135	6180DB 6185DB 6190DB 6195DB 6205DB 6215DA 6225DA	6~17, 21 25~87	308 288	308 288	308 288	342 308	364 330	387 353	418 398
6140 6145 614H	—	6, 8 11~21 25 29~87	308 277 243 121	308 220 254 133	308 243 265 133	342 265 288 155	364 277 297 155	387 297 308 155	418 330 330 243
6160 6165 616H	6215DB 6235DA 6245DA	6~25, 51, 59 29~43, 71, 87	398 243	398 265	441 288	463 308	486 308	486 353	486 398
6170 6175	6255DA 6225DB	11~87	463	463	508	508	528	551	596
6180 6185	6235DB 6245DB	11~87	618	573	618	661	683	751	771
6190 6195	6255DB 6265DA 6275DA	11~25 29~87	683 596	683 573	728 638	794 661	816 706	881 751	881 816
6205	—	11~87	1214	1104	1214	1324	1367	1401	1389
6215	—	11~87	1290	1147	1223	1378	1423	1533	1632
6225	—	11~87	1488	1302	1344	1378	1488	1567	1686
6235	—	11~87	—	—	2248	2140	2062	2019	1963
6245	—	11~87	—	—	2496	2271	2271	2383	2518
6255	—	11~87	—	—	2653	2428	2540	2765	2945
6265	—	11~87	—	—	2653	2428	2540	2765	2945
6275	—	29~87	—	—	3305	3305	3305	3305	3305

Lubrication

Cyclo® Gearmotors are either Grease lubricated or Oil lubricated. Refer to pages 4.11 and 4.12 to determine the unit lubrication type.

- Grease lubricated gearmotors are filled with grease prior to shipment and are ready for installation and operation
- Oil lubricated gearmotors must be filled with the proper amount of approved oil before installation and operation
- Lubrication methods (grease or oil) are specified for Cyclo® driven at standard input speed.

NOTE: Some models normally designed for oil lubrication may be specially ordered for grease lubrication; please consult factory.

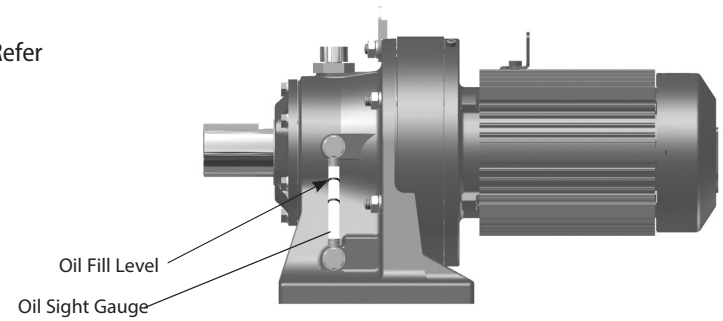


Figure 4.10 Oil Level Gauge

Approved Greases

Grease lubricated gearmotors are filled with grease prior to shipment and are ready for installation and operation. This information is provided for maintenance purposes.

Table 4.7a Approved Greases

Frame Size	Ambient Temperature		Planetary	Cycloid Discs
	°F	°C	(NLGI Grade 0)	(NLGI Grade 2)
606X TO 612X	14 to 122	-10 to 50	Shell Gadus S2 V220 (610X, 612X TO 617X)	Mobil Unirex N2
613X TO 616X				
617X TO 626X				Shell Gadus S2 V220

Note: - For double reduction units, standard grease is Mobil Unirex N2 NLGI Grade 2, except for frame sizes 6215DB, 6225DB, 6235DA/DB, 6245DA/DB, 6255DA/DB, 6265DA and 6275DA, which standard grease is Shell Gadus S2 V220 NLGI Grade 2.
- For triple reduction units, standard grease is Mobil Unirex N2 NLGI Grade 2.

When the Cyclo® gearmotor will be used under widely fluctuating temperatures or ambient temperatures (other than those listed here) or any other special conditions, consult the factory.

Approved Oils

Oil lubricated gearmotors must be filled with oil prior to operation. Fill the gearmotor to the correct level with the recommended oil.

Approved Oils:

Mobil	Spartan EP	**Idemitsu**	Daphne Super Gear Oil	**BP**	Energol GR-XP
Mobil	Mobilgear 600XP	**Kluber**	Kluberoll GEM1	**Castrol**	Alpha SP
Mobil	Mobil SHC Gear	**Chevron**	Meropa	**Gulf**	EP Lubricant HD
Mobil	Hi-Shock			**Shell**	Omala S2 G

For use in winter or relatively low ambient temperatures, use the lower viscosity oil specified for each ambient temperature range.

For consistent use in ambient temperatures outside of the range 32°F to 104°F (0°C to 40°C), consult factory.

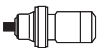
Table 4.7b Ambient Temperatures

°F	14	32	50	68	86	104	122
°C	-10	0	10	20	30	40	50
ISO VG	68						
		100 / 150					
			150*				
					220 / 320 / 460		

* Only for Mobil Hi-Shock, Cyclo sizes 6130 to 6195, and minimum SF = 1.40

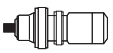
Lubrication continued

HORIZONTAL Mounted Reducer • SINGLE Reduction • Frame Sizes 6060 to 6275



Frame Size	Reduction Ratio																		
	3	5	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119
6060, 6065 6070, 6075 6080. 6085 6090, 6095 6100, 6105, 610H 6110, 6115 6120, 6125, 612H	Grease		Maintenance Free Grease												59		87	
6130, 6135 6140, 6145, 614H 6160, 6165, 616H 6170, 6175 6180, 6185 6190, 6195 6205 6215 6225 6235 6245 6255 6265 6275	Oil																	

HORIZONTAL Mounted Reducer • DOUBLE Reduction • Frame Sizes 6060DA to 6275DA

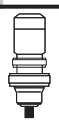


Frame Size	Reduction Ratio																									
	104	121	143	165	195	231	273	319	377	473	559	649	731	841	1003	1015	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569
6060DA, 6065DA 6070DA, 6075DA 6090DA, 6095DA 6100DA, 6105DA 6120DA, 6125DA 6120DB, 6125DB	Maintenance Free Grease																				2537				5133		
6130DA, 6135DA 6130DB, 6135DB 6130DC, 6135DC 6140DA, 6140DB, 6140DC 6145DA, 6145DB, 6145DC 6160DA, 6165DA 6160DB, 6165DB 6170DA, 6175DA 6170DB, 6175DB 6180DA. 6185DA	Grease																									
6160DC, 6165DC 6170DC, 6175DC 6180DB. 6185DB 6190DA, 6195DA 6190DB, 6195DB 6205DA, 6205DB 6215DA, 6215DB 6225DA, 6225DB 6235DA, 6235DB 6245DA, 6245DB 6255DA, 6255DB 6265DA 6275DA	Oil			165 121					377																		

Lubrication continued

VERTICAL Mounted Gearmotor • SINGLE Reduction • Frame Sizes 6060 to 6275

Frame Size	Reduction Ratio 3	5	6	8	11	13	15	17	21	25	29	35	43	51	59	71	87	119
6060, 6065 6070, 6075 6080. 6085 6090, 6095 6100, 6105 6110, 6115 6120, 6125	Grease		Maintenance Free Grease												59		87	
6130, 6135 6140, 6145			Oil															
6160, 6165 6170, 6175 6180, 6185 6190, 6195 6205 6215 6225 6235 6245 6255 6265 6275			Forced Oil															



VERTICAL Mounted Gearmotor • DOUBLE Reduction • Frame Sizes 6060DA to 6275DA

Frame Size	Reduction Ratio 104	121	143	165	195	231	273	319	377	473	559	649	731	841	1003	1015	1247	1479	1849	2065	2537	3045	3481	4437	5133	6177	7569
6060DA, 6065DA 6070DA, 6075DA 6090DA, 6095DA 6100DA, 6105DA 6120DA, 6125DA 6120DB, 6125DB	Maintenance Free Grease																				2537				5133		
6130DA, 6135DA 6130DB, 6135DB 6130DC, 6135DC 6140DA, 6140DB, 6140DC 6145DA, 6145DB, 6145DC 6160DA, 6165DA 6160DB, 6165DB 6170DA, 6175DA 6170DB, 6175DB 6180DA, 6185DA	Grease																										
6160DC, 6165DC 6170DC, 6175DC 6180DB, 6185DB 6190DA, 6195DA 6190DB, 6195DB 6205DA, 6205DB 6215DA, 6215DB 6225DA, 6225DB 6235DA, 6235DB 6245DA, 6245DB 6255DA, 6255DB 6265DA 6275DA		121							377	473				841		1015			1849	2065	2537						

Forced Oil

Lubrication continued

Oil Fill Quantities

Table 4.8 Oil Fill Quantities

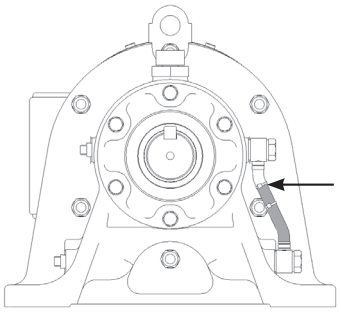
Cyclo Horizontal Foot Mounted / Cyclo Horizotal V-Flange Mounted														
Size	**613X**	**614X**	**616X**	**617X**	**618X**	**619X**	**6205**	**6215**	**6225**	**6235**	**6245**	**6255**	**6265**	**6275**
US gal	0.18	0.18	0.37	0.50	0.66	1.1	1.5	2.2	2.6	4.0	4.2	5.5	7.7	14.8
liter	0.7	0.7	1.4	1.9	2.5	4	5.5	8.5	10	15	16	21	29	56
Size	**616XDC**	**617XDC**	**618XDB**	**619XDA**	**619XDB**	**6205DA**	**6205DB**	**6215DA**	**6215DB**	**6225DA**	**6225DB**	**6235DA**	**6235DB**	**6245DA**
US gal	0.40	0.63	0.92	1.5	1.6	1.6	1.6	2.6	2.6	2.9	2.9	4.5	4.5	4.8
liter	1.5	2.4	3.5	5.8	6	6	6	10	10	11	11	17	17	18
Size	**6245DB**	**6255DA**	**6255DB**	**6265DA**	**6275DA**									
US gal	4.8	6.1	6.1	8.5	15.9									
liter	18	23	23	32	60									

Cyclo Vertical V-Flange Mounted														
Size	**613X**	**614X**	**616X**	**617X**	**618X**	**619X**	**6205**	**6215**	**6225**	**6235**	**6245**	**6255**	**6265**	**6275**
US gal	0.29	0.29	0.26	0.50	0.53	0.71	1.5	2.0	2.6	3.2	4.0	11.1	13.5	(15.9)
liter	1.1	1.1	1	1.9	2	2.7	5.7	7.5	10	12	15	42	51	(60)
Size	**616XDC**	**617XDC**	**618XDB**	**619XDA**	**619XDB**	**6205DA**	**6205DB**	**6215DA**	**6215DB**	**6225DA**	**6225DB**	**6235DA**	**6235DB**	**6245DA**
US gal	0.26	0.50	0.53	0.71	0.71	2.9	2.9	3.7	3.7	4.8	4.8	6.1	6.1	7.7
liter	1	1.9	2	2.7	2.7	11	11	14	14	18	18	23	23	29
Size	**6245DB**	**6255DA**	**6255DB**	**6265DA**	**6275DA**									
US gal	7.7	11.1	11.1	13.5	(15.85)									
liter	29	42	42	51	(60.00)									

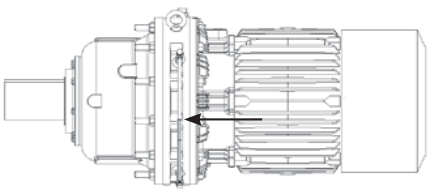
Cyclo Horizontal Flange Mounted														
Size	**613X**	**614X**	**616X**	**617X**	**618X**	**619X**	**6205**	**6215**	**6225**	**6235**	**6245**	**6255**	**6265**	**6275**
US gal	0.07	0.07	0.24	0.34	0.40	0.53	0.79	1.1	1.3	2.0	2.1	2.9	3.7	7.9
liter	0.25	0.25	0.9	1.3	1.5	2	3	4	5	7.5	8	11	14	30
Size	**616XDC**	**617XDC**	**618XDB**	**619XDA**	**619XDB**	**6205DA**	**6205DB**	**6215DA**	**6215DB**	**6225DA**	**6225DB**	**6235DA**	**6235DB**	**6245DA**
US gal	0.26	0.53	0.61	1.0	1.1	1.1	1.1	1.5	1.5	1.6	1.6	2.5	2.5	2.6
liter	1	2	2.3	3.8	4	4	4	5.5	5.5	6	6	9.5	9.5	10
Size	**6245DB**	**6255DA**	**6255DB**	**6265DA**										
US gal	2.6	3.4	3.4	4.5										
liter	10	13	13	17										

X = 0 or 5
( ) = With Trochoid Pump

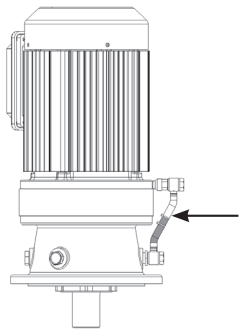
Oil Fill Level



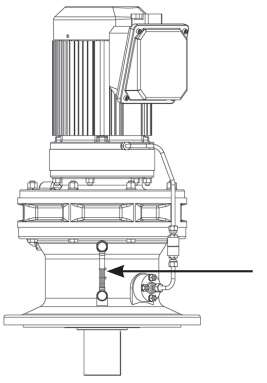
Horizontal



Horizontal Flange Mount



Vertical
Sizes 6130/5 and 6140/5 only



Vertical

Lubrication continued

Table 4.9a Grease Fill Quantities for Maintenance Free Speed Reducers

oz. (g)

Frame Size	606X	607X	608X	609X	610X	611X	612X	606XDA	607XDA	609XDA	610XDA	612XDA	612XDB
Speed Reduction Mechanism (1st stage)	0.9 (25)	0.9 (25)	1.4 (40)	2.1 (60)	4.2 (120)	6.7 (190)	8.8 (250)	0.9 (25)	0.9 (25)	0.9 (25)	0.9 (25)	0.9 (25)	2.1 (60)
Speed Reduction Mechanism (2nd stage)								0.9 (25)	0.9 (25)	2.1 (60)	4.2 (120)	8.8 (250)	8.8 (250)
Slow Speed Shaft Bearing	0.5 (15)	0.5 (15)	0.9 (25)	1.1 (30)	1.1 (30)	1.6 (45)	1.9 (55)	0.5 (15)	0.5 (15)	1.1 (30)	1.1 (30)	1.9 (55)	1.9 (55)

X = 0 or 5

Table 4.9b Grease Fill Quantities for Non-Maintenance Free Speed Reducers

oz. (g)

Frame Size	613XDA	613XDB	613XDC	614XDA	614XDB	614XDC	616XDA	616XDB	616XDC	617XDA	617XDB	617XDC
Speed Reduction Mechanism (1st stage)	0.9 (25)	2.1 (60)	4.2 (120)	0.9 (25)	2.1 (60)	4.2 (120)	2.1 (60)	4.2 (120)	8.8 (250)	2.1 (60)	4.2 (120)	8.8 (250)
Speed Reduction Mechanism (2nd stage)	15.9 (450)	15.9 (450)	15.9 (450)	15.9 (450)	15.9 (450)	15.9 (450)	26.5 (750)	26.5 (750)	26.5 (750)	35.3 (1000)	35.3 (1000)	35.3 (1000)
Slow Speed Shaft Bearing	10.6 (300)	10.6 (300)	10.6 (300)	10.6 (300)	10.6 (300)	10.6 (300)	10.6 (300)	10.6 (300)	10.6 (300)	17.6 (500)	17.6 (500)	17.6 (500)
Frame Size	**618XDA**	**618XDB**	**619XDA**	**619XDB**	**6205DA**	**6205DB**	**6215DA**	**6215DB**	**6225DA**	**6225DB**	**6235DA**	**6235DB**
Speed Reduction Mechanism (1st stage)	4.2 (120)	15.9 (450)	11.6 (330)	15.9 (450)	11.6 (330)	15.9 (450)	15.9 (450)	26.5 (750)	15.9 (450)	35.3 (1000)	26.5 (750)	38.8 (1100)
Speed Reduction Mechanism (2nd stage)	38.8 (1100)	38.8 (1100)	52.9 (1500)	52.9 (1500)	52.9 (1500)	52.9 (1500)	70.5 (2000)	70.5 (2000)	88.2 (2500)	88.2 (2500)	141.1 (4000)	141.1 (4000)
Slow Speed Shaft Bearing	21.2 (600)	21.2 (600)	24.7 (700)	24.7 (700)	24.7 (700)	24.7 (700)	28.2 (800)	28.2 (800)	31.7 (900)	31.7 (900)	35.3 (1000)	35.3 (1000)

Frame Size	6245DA	6245DB	6255DA	6255DB	6265DA
Speed Reduction Mechanism (1st stage)	26.5 (750)	38.8 (1100)	35.3 (1000)	52.9 (1500)	52.9 (1500)
Speed Reduction Mechanism (2nd stage)	158.7 (4500)	158.7 (4500)	211.6 (6000)	211.6 (6000)	282.2 (8000)
Slow Speed Shaft Bearing	38.8 (1100)	38.8 (1100)	42.3 (1200)	42.3 (1200)	45.9 (1300)

X = 0 or 5

Lubrication continued

Table 4.10a Grease Fill Quantities for Normally Oil-Lubricated Units

oz. (g)

Frame Size	6130 6135 6140 6145	6160 6165	6170 6175	6180 6185	6190 6195 6205	6215	6225	6235	6245	6255	6265
Speed Reduction Mechanism	15.9 (450)	26.5 (750)	35.3 (1000)	36.8 (1100)	52.9 (1500)	70.5 (2000)	88.2 (2500)	141.1 (4000)	158.7 (4500)	211.6 (6000)	282.2 (8000)
Slow Speed Shaft Bearing	10.6 (300)	10.6 (300)	17.6 (500)	21.2 (600)	24.7 (700)	28.2 (800)	31.7 (900)	35.3 (1000)	36.8 (1100)	42.3 (1200)	45.9 (1300)

Table 4.10b Optional Greases

Application	Temperature Range		Grease Manufacturer	Brand	NGLI Grade	Cyclo Frame Size
	°F	°C				
Food Grade	14 to 104	-10 to 40	Ultrachem	Omnilube FGM	2	606Xto 612X
Low Temperature	-40 to 301	-40 to -1 [1]	ExxonMobil	Beacon 325	2	All
			Anderol	Royco 22 CF	2	All
High Temperature	105 to 180	40 to 80	ExxonMobil	Unirex N	2	All

NOTE: All units filled with grease other than Standard won't be considered Maintenance Free.

[1]: Consult factory for temperatures outside the stablished range.

Table 4.10c Optional Oils

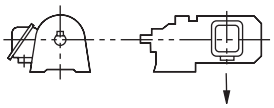
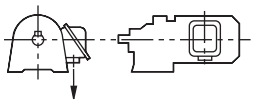
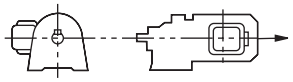
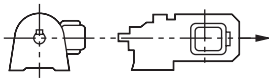
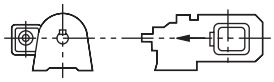
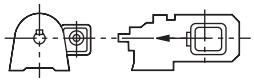
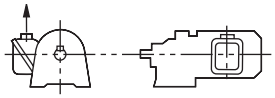
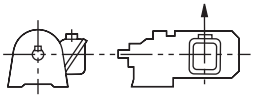
Application	Temperature Range		Oil Manufacturer	Brand	ISO VG	Cyclo Frame Size
	°F	°C				
Food Grade	32 to 95	0 to 35	Kluber	Klubersynth UH1 6	460	613X to 616X [1]
Low Temp	-40 to -22	-40 to -30	Shell	Tellus S2 V	15	All

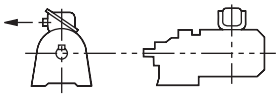
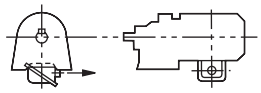
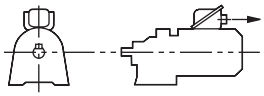
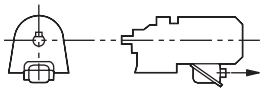
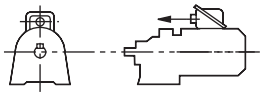
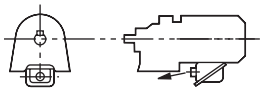
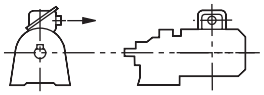
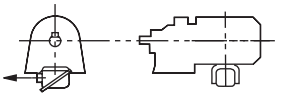
NOTE: [1]: Consult factory for Cyclo sizes not listed in the table

Motor Optional Conduit Box Location

Mounting Direction of Terminal Box

The terminal box mounting direction can be changed in units of 90°;
specify the direction according to the table below when placing an order.

Cable port direction	Terminal box mounting position (As viewed from output shaft with motor being horizontal) [1]	
	Left side (N33)	Right side (N34)
Type A (N3A)		
Type B (N3B)		
Type C (N3C)		
Type D (N3D)		

Cable port direction	Terminal box mounting position (As viewed from output shaft with motor being horizontal) [1]	
	Top (N35)	Bottom (N36)
Type A (N3A)		
Type B (N3B)		
Type C (N3C)		
Type D (N3D)		

Note [1]: Arrow indicates direction of lead wires out of terminal boxes.

Table 4.11 Standard Position of Terminal Box and Direction of Lead Wires

	Horizontal Mounting Configuration (Horizontal Slow Speed Shaft)				Vertical Mounting Configuration (Vertical Slow Speed Shaft Down)	
	Standard Motor		Brake Motor		Standard Motor	Brake Motor
	3 Phase	AF Motor	3 Phase	AF Moto	3 Phase	3 Phase
Terminal Box Mounting Position	Left Side	Left Side	Left Side	Left Side	Left Side	Left Side
Cable Port Direction	B	B	B	B	A	A

Motor continued

Motor Cover Mounting Specifications

Refer to dimension FA or FB when designing the mounting space into which the gearmotor is to fit.

Dimension FA: The space necessary to remove the fan cover or brake cover without removing the motor from the equipment.

Dimension FB: Minimum clearance to provide adequate ventilation..

Notes:
1. In some cases, it may be necessary to move the gearmotor to remove the fan cover or brake cover.

2. Dimension FB is the minimum clearance when the fan cover is up against a closed wall.

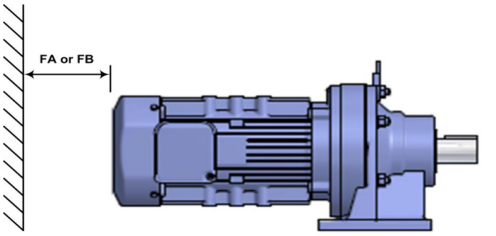


Figure 4.2 Motor Clearance

Table 4.12a Motor Clearance Requirements for IE1 motors (1/8 to 3/4

Units: inches (mm)

IE1 Motor			Standard 3-Phase Motor		3-Phase With Brake Motor	
Frame Size	HP x Pole	kW x Pole	FA	FB	FA	FB
V-63S	1/8 x 4	0.1 x 4	-	-	2.0 (49)	-
V-63M V-63M	1/4 x 4 1/3 x 4	0.2 x 4 0.25 x 4	1.9 (48)	0.8 (20)	2.5 (61)	0.8 (20)
V-71M	1/2 x 4	0.4 x 4	1.9 (48)	0.8 (20)	2.5 (61)	0.8 (20)
V-80S	3/4 x 4	0.55 x 4	2.0 (49)	1.0 (25)	3.7 (93)	0.8 (20)
V-63S	1/8 x 4	0.1 x 4	-	-	2.0 (49)	-
V-63M V-63M	1/4 x 4 1/3 x 4	0.2 x 4 0.25 x 4	1.9 (48)	0.8 (20)	2.5 (61)	0.8 (20)
V-71M	1/2 x 4	0.4 x 4	1.9 (48)	0.8 (20)	2.5 (61)	0.8 (20)
V-80S	3/4 x 4	0.55 x 4	2.0 (49)	1.0 (25)	3.7 (93)	0.8 (20)

Table 4.12b Motor Clearance Requirements for EP motors (1 to 75

Units: inches (mm)

IE3 Motor			3-Phase Without Brake Motor		3-Phase Brake (B) Motor	
Frame Size	HP x Pole	kW x Pole	FA	FB	FA	FB
N-80M	1 x 4	0.75 x 4	2.3 (58)	0.8 (20)	4.8 (122)	0.8 (20)
N-90S N-90L	1.5 x 4 2 x 4	1.1 x 4 1.5 x 4	2.3 (59)	0.8 (20)	5.0 (128)	0.8 (20)
N-100L	3 x 4	2.2 x 4	2.4 (60)	0.8 (20)	5.4 (138)	0.8 (20)
N-112M N-132S	5 x 4 7.5 x 4	3.7 x 4 5.5 x 4	2.5 (63)	1.0 (25)	6.0 (153)	0.8 (20)
N-132M N-160M	10 x 4 15 x 4	7.5 x 4 11 x 4	3.3 (84)	1.2 (30)	7.4 (189)	1 (25)
N-160L	20 x 4	15 x 4	4.2 (107)	1.2 (30)	9.5 (242)	1.2 (30)
N-180MS N-180M N-180L	25 x 4 30 x 4 40 x 4	18.5 x 4 22 x 4 30 x 4	5.3 (134)	1.2 (30)	12.1 (308)	1.2 (30)
N-200L	50 x 4	37 x 4	5.3 (134)	1.2 (30)	13.6 (345)	1.2 (30)
N-200LL	60 x 4	45 x 4	6.7 (171)	1.2 (30)	14.8 (376)	1.2 (30)
N-225S	75 x 4	55 x 4	6.7 (171)	1.2 (30)	-	-

Motor Conduit Box Details

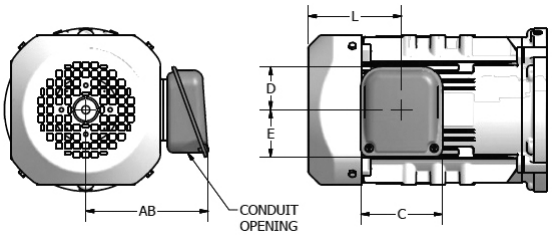


Figure 4.3 Indoor Duty (Optional) Box

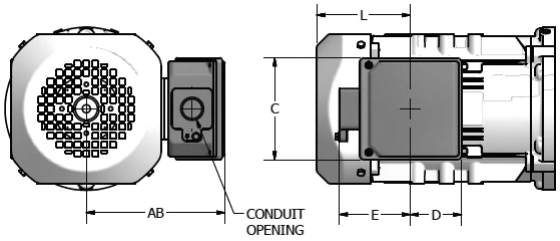


Figure 4.4 Global EP.NA and Outdoor Duty Box

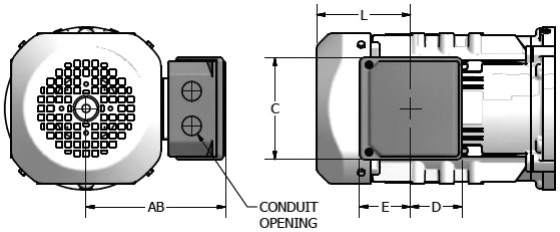


Figure 4.5 Global IE3 CE Box

Table 4.13 Terminal Box Mounting Centers

Units: inches

Frame Size	Duty Rating	General Dimensions				Without Brake		With Brake		Conduit Opening	Material
		AB	C	D	E	Available?	L	Available?	L		
V-63S	Indoor Duty (Optional)	4.11 (105)	3.35 (85)	2.09 (53)	1.69 (43)	yes	1.38 (35)	CF(1)	2.76 (70)	Ø0.90 (Ø23)	Steel
	Indoor Duty Brake (Optional)	4.32 (110)	3.94 (100)	2.29 (58)	2.10 (53)			yes		Ø0.90 (Ø23)	Steel
	Outdoor Duty (Optional)	4.98 (127)	3.94 (100)	2.42 (62)	2.76 (70)			yes		NPT1/2(2)	Steel
	Global	4.63 (118)	4.09 (104)	2.24 (57)	2.16 (55)			yes		NPT1/2	Al Diecast
	Global CE	4.63 (118)	4.09 (104)	2.24 (57)	2.16 (55)			yes		M16, M25	Al Diecast
VA-63S V-63M VA-63M V-71M	Indoor Duty (Optional)	4.11 (105)	3.35 (85)	2.09 (53)	1.69 (43)	yes	2.32 (59)	CF(1)	3.58 (91)	Ø0.90 (Ø23)	Steel
	Indoor Duty Brake (Optional)	4.32 (110)	3.94 (100)	2.29 (58)	2.10 (53)			yes		Ø0.90 (Ø23)	Steel
	Outdoor Duty (Optional)	4.98 (127)	3.94 (100)	2.42 (62)	2.76 (70)			yes		NPT1/2(2)	Steel
	Global	4.63 (118)	4.09 (104)	2.24 (57)	2.16 (55)			yes		NPT1/2	Al Diecast
	Global CE	4.63 (118)	4.09 (104)	2.24 (57)	2.16 (55)			yes		M16, M25	Al Diecast
VA-71M V-80S	Indoor Duty (Optional)	4.69 (119)	3.35 (85)	1.72 (44)	2.04 (52)	yes	3.82 (97)	CF(1)	5.51 (140)	Ø0.90 (Ø23)	Steel
	Indoor Duty Brake (Optional)	5.68 (144)	4.80 (122)	2.60 (66)	2.84 (72)			yes		Ø0.90 (Ø23)	Steel
	Outdoor Duty (Optional)	5.55 (141)	3.94 (100)	2.20 (56)	2.95 (75)			yes		G3/4(2)	Steel
	Global	5.67 (144)	4.92 (125)	2.50 (64)	3.43 (87)			yes		NPT3/4(2)	Al Diecast
	Global CE	5.71 (145)	4.92 (125)	2.50 (64)	2.47 (63)			yes		2 - M25	Al Diecast
VA-80S	Indoor Duty (Optional)	4.88 (124)	3.35 (85)	1.72 (44)	2.04 (52)	yes	3.94 (100)	CF(1)	6.38 (162)	Ø0.90 (Ø23)	Steel
	Indoor Duty Brake (Optional)	5.87 (149)	4.80 (122)	2.60 (66)	2.84 (72)			yes		Ø0.90 (Ø23)	Steel
	Outdoor Duty (Optional)	5.75 (146)	3.94 (100)	2.20 (56)	2.95 (75)			yes		G3/4(2)	Steel
	Global	5.86 (149)	4.92 (125)	2.50 (64)	3.43 (87)			yes		NPT3/4(2)	Al Diecast
	Global CE	5.91 (150)	4.92 (125)	2.50 (64)	2.47 (63)			yes		2 - M25	Al Diecast

(1) Please consult factory for brake configuration supporting this conduit box.
(2) Default thread option shown. Alternate thread options available. Please consult factory for alternate conduit thread options.

Motor continued

Table 4.13 Conduit Box Information (continued)

Frame Size	Duty Rating	General Dimensions				Without Brake		With Brake		Conduit Opening	Material
		AB	C	D	E	Available?	L	Available?	L		
N-80M	Indoor Duty (Optional)	4.85 (123)	3.35 (85)	1.72 (44)	2.04 (52)	Yes	3.82 (97)	CF(1)	6.32 (161)	Ø0.90 (Ø23)	Steel
	Indoor Duty Brake (Optional)	5.99 (152)	4.80 (122)	2.60 (66)	2.84 (72)			Yes		Ø0.90 (Ø23)	Steel
	Outdoor Duty (Optional)	5.87 (149)	3.94 (100)	2.20 (56)	2.95 (75)			Yes		G3/4(2)	Steel
	Global EP.NA	5.98 (152)	4.92 (125)	2.50 (64)	3.43 (87)			Yes		NPT3/4(2)	Al Diecast
	Global IE3 CE	6.02 (153)	4.92 (125)	2.50 (64)	2.47 (63)			Yes		2 - M25	Al Diecast
N-90S N-90L	Indoor Duty (Optional)	5.03 (128)	3.35 (85)	1.72 (44)	2.04 (52)	Yes	3.82 (97)	CF(1)	6.56 (167)	Ø0.90 (Ø23)	Steel
	Indoor Duty Brake (Optional)	6.17 (157)	4.80 (122)	2.60 (66)	2.84 (72)			Yes		Ø0.90 (Ø23)	Steel
	Outdoor Duty (Optional)	6.04 (154)	3.94 (100)	2.20 (56)	2.95 (75)			Yes		G3/4(2)	Steel
	Global EP.NA	6.16 (156)	4.92 (125)	2.50 (64)	3.43 (87)			Yes		NPT3/4(2)	Al Diecast
	Global IE3 CE	6.20 (158)	4.92 (125)	2.50 (64)	2.47 (63)			Yes		2 - M25	Al Diecast
N-100L N-112S	Indoor Duty (Optional)	5.93 (151)	3.94 (100)	2.09 (53)	2.29 (58)	Yes	4.53 (115)	CF(1)	7.60 (193)	Ø0.90 (Ø23)	Steel
	Indoor Duty Brake (Optional)	6.72 (171)	4.80 (122)	2.60 (66)	2.84 (72)			Yes		Ø0.90 (Ø23)	Steel
	Outdoor Duty (Optional)	7.21 (183)	4.84 (123)	2.52 (64)	3.43 (87)			Yes		G3/4(2)	Steel
	Global EP.NA	6.71 (170)	4.92 (125)	2.50 (64)	3.43 (87)			Yes		NPT3/4(2)	Al Diecast
	Global IE3 CE	6.75 (172)	4.92 (125)	2.50 (64)	2.47 (63)			Yes		2 - M25	Al Diecast
N-112M	Indoor Duty (Optional)	6.56 (167)	3.94 (100)	2.09 (53)	2.29 (58)	Yes	4.65 (118)	CF(1)	8.21 (209)	Ø0.90 (Ø23)	Steel
	Indoor Duty Brake (Optional)	7.35 (187)	4.80 (122)	2.60 (66)	2.84 (72)			Yes		Ø0.90 (Ø23)	Steel
	Outdoor Duty (Optional)	7.84 (199)	4.84 (123)	2.52 (64)	3.43 (87)			Yes		G3/4(2)	Steel
	Global EP.NA	7.34 (186)	4.92 (125)	2.50 (64)	3.43 (87)			Yes		NPT3/4(2)	Al Diecast
	Global IE3 CE	7.38 (188)	4.92 (125)	2.50 (64)	2.47 (63)			Yes		2 - M25	Al Diecast
N-132S	Indoor Duty (Optional)	6.56 (167)	3.94 (100)	2.09 (53)	2.29 (58)	Yes	4.65 (118)	CF(1)	8.21 (209)	Ø0.90 (Ø23)	Steel
	Indoor Duty Brake (Optional)	7.35 (187)	4.80 (122)	2.60 (66)	2.84 (72)			Yes		Ø0.90 (Ø23)	Steel
	Outdoor Duty (Optional)	7.84 (199)	4.84 (123)	2.52 (64)	3.43 (87)			Yes		G1(2)	Steel
	Global EP.NA	7.34 (186)	4.92 (125)	2.50 (64)	3.43 (87)			Yes		NPT1(2)	Al Diecast
	Global IE3 CE	7.38 (188)	4.92 (125)	2.50 (64)	2.47 (63)			Yes		2 - M25	Al Diecast
N-132M	Indoor Duty (Optional)	7.98 (203)	4.80 (122)	2.60 (66)	2.84 (72)	Yes	5.43 (138)	Yes	9.57 (243)	Ø1.69 (Ø43)	Steel
	Outdoor Duty (Optional)	9.26 (235)	6.06 (154)	3.11 (79)	4.13 (105)					G1(2)	Steel
	Global EP.NA	9.04 (230)	6.69 (170)	3.40 (86)	4.43 (113)					NPT1(2)	Al Diecast
	Global IE3 CE	9.04 (230)	6.69 (170)	3.40 (86)	3.51 (89)					2-M32	Al Diecast

(1) Please consult factory for brake configuration supporting this conduit box.
(2) Default thread option shown. Alternate thread options available. Please consult factory for alternate conduit thread options.

Table 4.13 Conduit Box Information (continued)

Frame Size	Duty Rating	General Dimensions				Without Brake		With Brake		Conduit Opening	Material
		AB	C	D	E	Available?	L	Available?	L		
N-160M	Indoor Duty (Optional)	7.98 (203)	4.80 (122)	2.60 (66)	2.84 (72)	Yes	5.43 (138)	Yes	9.57 (243)	Ø1.69 (Ø43)	Steel
	Outdoor Duty (Optional)	9.26 (235)	6.06 (154)	3.11 (79)	4.13 (105)					G1-1/4(2)	Steel
	Global EP.NA	9.04 (230)	6.69 (170)	3.40 (86)	4.43 (113)					NPT1-1/4(2)	Al Diecast
	Global IE3 CE	9.04 (230)	6.69 (170)	3.40 (86)	3.51 (89)					2-M32	Al Diecast
N-160L	Indoor Duty (Optional)	9.20 (234)	4.80 (122)	2.60 (66)	2.84 (72)	Yes	7.01 (178)	No	12.30 (313)	Ø1.69 (Ø43)	Steel
	Indoor Duty Brake (Optional)	10.16 (258)	6.54 (166)	3.48 (88)	3.89 (99)			Yes		Ø1.69 (Ø43)	Steel
	Outdoor Duty (Optional)	10.48 (266)	6.06 (154)	3.11 (79)	4.13 (105)			Yes		G1-1/4(2)	Steel
	Global EP.NA	10.26 (261)	6.69 (170)	3.40 (86)	4.43 (113)			Yes		NPT1-1/4(2)	Al Diecast
	Global IE3 CE	10.26 (261)	6.69 (170)	3.40 (86)	3.51 (89)			Yes		2-M32	Al Diecast
N-180MS N-180M	Indoor Duty (Optional)	11.69 (297)	6.54 (166)	3.48 (88)	3.89 (99)	Yes	9.06 (230)	Yes	15.91 (404)	Ø1.93 (Ø49)	Steel
	Outdoor Duty (Optional)	14.08 (358)	7.56 (192)	4.53 (115)	6.89 (175)					G1-1/4(2)	Cast Iron
	Global EP.NA	13.39 (340)	9.02 (229)	4.38 (111)	5.47 (139)					NPT1-1/4(2)	Cast Iron
	Global IE3 CE	13.39 (340)	9.02 (229)	4.38 (111)	4.43 (113)					2 - M40	Cast Iron
N-180L N-200L	Indoor Duty (Optional)	11.69 (297)	6.54 (166)	3.48 (88)	3.89 (99)	Yes	9.06 (230)	Yes	15.91 (404)	Ø1.93 (Ø49)	Steel
	Outdoor Duty (Optional)	14.08 (358)	7.56 (192)	4.53 (115)	6.89 (175)					G2(2)	Cast Iron
	Global EP.NA	13.39 (340)	9.02 (229)	4.38 (111)	5.47 (139)					NPT2(2)	Cast Iron
	Global IE3 CE	13.39 (340)	9.02 (229)	4.38 (111)	4.43 (113)					2 - M40	Cast Iron
N-200LL N-225S	Indoor Duty (Optional)	16.24 (413)	9.45 (240)	4.19 (106)	6.30 (160)	Yes	16.81 (427)			Ø3.03 (Ø77)	Steel
	Outdoor Duty (Optional)	19.03 (483)	10.16 (258)	5.28 (134)	11.50 (292)					G2-1/2(2)	Cast Iron
	Global EP.NA	16.54 (420)	10.63 (270)	5.14 (131)	6.22 (158)					NPT3(2)	Cast Iron
	Global IE3 CE	16.54 (420)	10.63 (270)	5.14 (131)	5.13 (130)					2 - M63	Cast Iron

(1) Please consult factory for brake configuration supporting this conduit box.
(2) Default thread option shown. Alternate thread options available. Please consult factory for alternate conduit thread options.

Motor continued

Fractional Motor Performance Data - 60Hz Operation

Table 4.14a Standard Three Phase, 230/460V, 60Hz, 1800 RPM Synchronous Speed, TEFC - UL

Motor Capacity		Frame Size	Full Load			Current (A)				Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
			Rated RPM	Torque		Full Load		No Load % of FL	Starting % of FL					
HP	kW			in-lbs	N-m	230V	460V							
1/8**	0.1	V-63S	1730	4.55	0.514	0.66	0.33	86.1	424	326	308	63.3	60.0	K
1/4	0.2	V-63M	1730	9.10	1.03	1.12	0.56	79.6	464	300	287	69.2	65.1	K
1/3	0.25	V-63M	1700	12.2	1.38	1.24	0.62	72.0	419	237	226	70.1	72.0	G
1/2	0.4	V-71M	1750	18.0	2.03	2.15	1.08	77.7	456	295	276	71.5	65.4	J
3/4	0.55	V-80S	1720	27.5	3.11	2.47	1.24	68.4	500	266	261	76.5	73.1	H

** 1/8 HP is TENV

Table 4.14b Standard Three Phase, 240/480V, 60Hz, 1800 RPM Synchronous Speed, TEFC - UL

Motor Capacity		Frame Size	Full Load			Current (A)				Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
			Rated RPM	Torque		Full Load		No Load % of FL	Starting % of FL					
HP	kW			in-lbs	N-m	240V	480V							
1/8**	0.1	V-63S	1740	4.53	0.512	0.69	0.35	87.4	429	364	341	61.9	56.3	L
1/4	0.2	V-63M	1740	9.05	1.02	1.16	0.58	83.6	466	335	317	68.2	61	K
1/3	0.25	V-63M	1710	12.3	1.39	1.27	0.63	77.0	429	268	238	69.8	68.1	H
1/2	0.4	V-71M	1750	18.0	2.04	2.27	1.13	83.2	460	328	303	70.4	60.4	K
3/4	0.55	V-80S	1730	27.3	3.09	2.52	1.26	73.4	508	294	285	76.0	69.2	H

** 1/8 HP is TENV

Table 4.14c Non-Standard Three Phase, 230/460V, 60Hz, 1800 RPM Synchronous Speed, TEFC - CSA

Motor Capacity		Frame Size	Full Load			Current (A)				Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
			Rated RPM	Torque		Full Load		No Load % of FL	Starting % of FL					
HP	kW			in-lbs	N-m	230V	460V							
1/8**	0.1	V-63S	1730	4.55	0.514	0.66	0.33	86.1	424	326	308	63.3	60.0	K
1/4	0.2	V-63M	1730	9.10	1.03	1.12	0.56	79.6	464	300	287	69.2	65.1	K
1/3	0.25	V-63M	1700	12.2	1.38	1.24	0.62	72.0	419	237	226	70.1	72.0	G
1/2	0.4	V-71M	1750	18.0	2.03	2.15	1.08	77.7	456	295	276	71.5	65.4	J
3/4	0.55	V-80S	1720	27.5	3.11	2.47	1.24	68.4	500	266	261	76.5	73.1	H

** 1/8 HP is TENV

Table 4.14d Non-Standard Three Phase, 575V, 60Hz, 1800 RPM Synchronous Speed, TEFC - CSA

Motor Capacity		Frame Size	Full Load			Current (A)				Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
			Rated RPM	Torque		Full Load		No Load % of FL	Starting % of FL					
HP	kW			in-lbs	N-m	240V	480V							
1/8**	0.1	V-63S	1720	4.58	0.518	0.28		91.8	464	376	391	65.5	54.1	M
1/4	0.2	V-63M	1730	9.10	1.03	0.48		85.4	458	316	340	69.4	60.1	K
1/3	0.25	V-63M	1710	12.2	1.38	0.52		78.8	423	250	270	71.3	67.5	H
1/2	0.4	V-71M	1700	18.5	2.09	0.79		75.8	468	309	300	75.2	63.1	J
3/4	0.55	V-80S	1700	27.8	3.14	1.00		74.0	530	260	268	75.4	71.4	H

** 1/8 HP is TENV

Fractional AF-Motor (AV) Performance Data, Inverter Ready - 60Hz Operation

Table 4.15a Three Phase, 230/460V, 60Hz, 1800 RPM Synchronous Speed, 10:1 Constant Torque Speed Range TEFC

Motor Capacity		Frame Size	Wiring	Full Load Torque		Voltage V	60 Hz Current Amp	Speed RPM	Voltage V	6 Hz Current Amp	Speed RPM	No Load Current @ 60 Hz
HP	kW			in-lbs	N-m							
1/8	0.1	VA-63S	High Voltage	4.77	*0.54*	460	0.49	1770	68	0.37	125	0.46
			Low Voltage			230	0.98		34	0.74		0.92
1/4	0.2	VA-63M	High Voltage	9.6	*1.08*	460	0.91	1765	68	0.79	125	0.87
			Low Voltage			230	1.8		34	1.6		1.74
1/3	0.25	VA-63M	High Voltage	12	*1.36*	460	0.94	1755	78	0.87	125	0.87
			Low Voltage			230	1.9		34	1.7		1.74
1/2	0.4	VA-71M	High Voltage	19.2	*2.17*	460	1.3	1750	70	1.1	115	1.21
			Low Voltage			230	2.6		35	2.3		2.42
3/4	0.55	VA-80S	High Voltage	26.3	2.97	460	1.7	1760	62	1.6	125	1.54
			Low Voltage			230	3.3		31	3.1		3.07

Table 4.15b Three Phase, 230/460V, 60Hz, 1800 RPM Synchronous Speed, 10:1 Constant Torque Speed Range TEFC - CSA

Motor Capacity		Frame Size	Wiring	Full Load Torque		Voltage V	60 Hz Current Amp	Speed RPM	Voltage V	6 Hz Current Amp	Speed RPM	No Load Current @ 60 Hz
HP	kW			in-lbs	N-m							
1/8	0.1	VA-63S	High Voltage	*4.77*	*0.54*	460	0.49	1770	68	0.37	125	0.46
			Low Voltage			230	0.98		34	0.74		0.92
1/4	0.2	VA-63M	High Voltage	*9.57*	*1.08*	460	0.91	1765	68	0.79	125	0.87
			Low Voltage			230	1.8		34	1.6		1.74
1/3	0.25	VA-63M	High Voltage	*12.0*	*1.36*	460	0.94	1755	78	0.87	125	0.87
			Low Voltage			230	1.9		34	1.7		1.74
1/2	0.4	VA-71M	High Voltage	*19.3*	*2.17*	460	1.3	1750	70	1.1	115	1.21
			Low Voltage			230	2.6		35	2.3		2.42
3/4	0.55	VA-80S	High Voltage	26.3	2.97	460	1.7	1765	62	1.5	145	1.54
			Low Voltage			230	3.3		31	2.9		3.08

Table 4.15c Three Phase, 575V, 60Hz, 1800 RPM Synchronous Speed, 10:1 Constant Torque Speed Range TEFC - CSA Approved

Motor Capacity		Frame Size	Full Load Torque		Voltage V	60 Hz Current Amp	Speed RPM	Voltage V	6 Hz Current Amp	Speed RPM	No Load Current @ 60 Hz
HP	kW		in-lbs	N-m							
1/8	0.1	VA-63S	*4.77*	*0.54*	575	0.4	1770	85	0.3	130	0.4
1/4	0.2	VA-63M	*9.57*	*1.08*	575	0.7	1765	77	0.5	85	0.62
1/3	0.25	VA-63M	*12.0*	*1.36*	575	0.7	1755	95	0.7	120	0.62
1/2	0.4	VA-71M	*19.4*	*2.17*	575	0.94	1745	88	0.86	110	0.86
3/4	0.55	VA-80S	26.3	2.97	575	1.3	1765	76	1.1	140	0.98

** 1/8 HP is TENV

Motor Performance Data - (EP) Motor, 60Hz Operation

Table 4.16a Three Phase, 230/460v, 60Hz, 1800 RPM Synchronous Speed, TEFC

Motor Capacity		Frame Size	Full Load			Current (A)				Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
			Rated RPM	Torque		Full Load		No Load % of FL	Starting % of FL					
HP	kW			in-lbs	N-m	230V	460V							
1	0.75	N-80M	1730	36.6	4.14	3.06	1.53	62.0	692	343	403	85.5	72.0	K
1.5	1.1	N-90S	1730	53.7	6.07	4.15	2.08	52.1	659	277	341	86.5	76.5	J
2	1.5	N-90L	1730	73.2	8.28	5.61	2.80	52.7	694	284	356	86.5	77.2	J
3	2.2	N-100L	1740	107	12.1	7.66	3.83	47.5	824	317	389	89.5	80.7	K
5	3.7	N-112M	1750	179	20.2	12.3	6.17	44.5	821	244	379	89.5	83.9	K
7.5	5.5	N-132S	1760	264	29.8	17.8	8.90	42.9	1000	290	461	91.7	84.2	L
10	7.5	N-132M	1760	360	40.7	24.4	12.2	36.1	606	193	277	91.7	84.1	G
15	11	N-160M	1770	525	59.3	38.4	19.2	48.0	736	274	369	92.4	77.8	J
20	15	N-160L	1770	716	80.9	47.7	23.8	36.5	828	227	351	93.0	85.0	J
25	18.5	N-180MS	1780	878	99.2	56.9	28.5	31.7	805	245	308	93.6	86.4	J
30	22	N-180M	1780	1040	118	67.4	33.7	28.8	673	206	258	93.6	87.1	G
40	30	N-180L	1780	1420	161	91.6	45.8	29.5	792	242	295	94.1	87.0	J
50	37	N-200L	1780	1760	198	113	56.5	31.7	890	276	328	94.5	86.7	K
60	45	N-200LL	1780	2140	241	138	69.0	37.7	962	308	393	95.0	86.3	K
75	55	N-225S	1780	2610	295	166	82.8	34.5	980	301	381	95.4	87.5	K

Table 4.16b Three Phase, 240/480V, 60Hz, 1800 RPM Synchronous Speed, TEFC

Motor Capacity		Frame Size	Full Load			Current (A)				Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
			Rated RPM	Torque		Full Load		No Load % of FL	Starting % of FL					
HP	kW			in-lbs	N-m	240V	480V							
1	0.75	N-80M	1740	36.4	4.12	3.05	1.52	66.2	723	380	439	85.5	69.2	L
1.5	1.1	N-90S	1740	53.4	6.04	4.09	2.05	56.6	704	310	375	86.5	74.1	J
2	1.5	N-90L	1730	73.2	8.28	5.54	2.77	57.8	722	316	387	86.5	74.5	K
3	2.2	N-100L	1750	106	12.0	7.53	3.77	52.1	911	352	446	89.5	78.4	L
5	3.7	N-112M	1760	178	20.1	12.1	6.06	49.3	886	268	421	89.5	81.7	K
7.5	5.5	N-132S	1760	264	29.8	17.5	8.76	47.6	1060	321	506	91.7	82.0	M
10	7.5	N-132M	1760	360	40.7	23.8	11.9	40.3	652	212	308	91.7	82.2	H
15	11	N-160M	1770	525	59.3	38.7	19.3	54.0	760	305	405	92.4	74.0	K
20	15	N-160L	1770	716	80.9	46.5	23.2	41.0	893	251	387	93.0	83.3	K
25	18.5	N-180MS	1780	878	99.2	55.1	27.6	35.2	881	268	340	93.6	85.3	K
30	22	N-180M	1780	1040	118	64.9	32.4	29.9	748	224	285	93.6	86.5	H
40	30	N-180L	1780	1420	161	88.8	44.4	33.3	867	266	326	94.1	85.9	J
50	37	N-200L	1780	1760	198	110.0	55.1	35.7	968	304	361	94.5	85.2	K
60	45	N-200LL	1780	2140	241	135.0	67.6	42.0	1050	329	430	95.0	84.4	L
75	55	N-225S	1780	2610	295	161.0	80.6	38.7	1070	321	417	95.4	86.1	L

Motor Performance Data - (EP) 60Hz Operation (continued)

Table 4.17 Three Phase, 575V, 60Hz, 1800 RPM Synchronous Speed, TEFC

Motor Capacity		Frame Size	Full Load			Current (A)			Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
HP	kW		Rated RPM	Torque		Full Load	No Load % of FL	Starting % of FL					
				in-lbs	N-m	575V							
1	0.75	N-80M	1740	36.4	4.12	1.36	72.7	768	430	500	85.5	64.4	M
1.5	1.1	N-90S	1740	53.4	6.04	1.69	57.8	743	313	386	86.5	74.5	K
2	1.5	N-90L	1730	73.2	8.28	2.22	52.3	685	272	341	86.5	77.9	J
3	2.2	N-100L	1740	107	12.1	3.05	47.2	839	322	404	89.5	80.8	K
5	3.7	N-112M	1750	179	20.2	4.86	42.0	798	230	355	89.5	84.9	J
7.5	5.5	N-132S	1760	264	29.8	7.12	42.5	957	263	429	91.7	84.7	L
10	7.5	N-132M	1760	360	40.7	10.1	43.9	704	230	332	91.7	81.3	H
15	11	N-160M	1760	528	59.7	14.5	41.7	710	237	331	92.4	82.3	H
20	15	N-160L	1770	716	80.9	19.4	41.1	915	257	396	93.0	83.3	K
25	18.5	N-180MS	1780	878	99.2	22.8	35.2	916	276	350	93.6	86.1	K
30	22	N-180M	1780	1040	118	26.8	29.9	779	230	293	93.6	87.2	H
40	30	N-180L	1780	1420	161	37.0	31.5	857	263	321	94.1	86.1	J
50	37	N-200L	1780	1760	198	45.5	36.0	954	297	352	94.5	85.9	K
60	45	N-200LL	1780	2140	241	55.7	40.5	1040	324	422	95.0	85.4	L
75	55	N-225S	1780	2610	295	67.9	40.5	1110	355	442	95.4	85.3	L

Motor continued

Motor Performance Data - Small kW CE Motor, 50Hz Operation

Table 4.18a IE1 Three Phase, 220/380V, 50Hz, 1500 RPM Synchronous Speed, TEFC - CE **(Not for EU or UK)**

Motor Capacity		Frame Size	Full Load (A)			Current				Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
			Rated RPM	Torque		Full Load		No Load % of FL	Starting % of FL					
HP	kW			in-lbs	N-m	220V	380V							
1/8**	0.1	V-63S	1400	6.03	0.682	0.6	0.35	78.3	371	230	226	63.3	69.1	H
1/4	0.2	V-63M	1390	12.2	1.37	1.05	0.61	71.5	361	206	206	67.6	73.7	F
1/3	0.25	V-63M	1360	15.5	1.75	1.22	0.71	61.4	338	195	181	69.1	77.8	E
1/2	0.4	V-71M	1410	24.0	2.71	2.06	1.19	68.3	353	201	204	69.7	73.5	F
3/4	0.55	V-80S	1400	33.2	3.75	2.45	1.42	58.5	373	206	196	73.4	80.2	E

** 1/8 HP is

Table 4.18b IE1 Three Phase, 230/400V, 50Hz, 1500 RPM Synchronous Speed, TEFC - CE **(Not for EU or UK)**

Motor Capacity		Frame Size	Full Load (A)			Current				Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
			Rated RPM	Torque		Full Load		No Load % of FL	Starting % of FL					
HP	kW			in-lbs	N-m	230V	400V							
1/8**	0.1	V-63S	1420	5.95	0.672	0.62	0.36	83.6	361	261	255	62.1	64.9	H
1/4	0.2	V-63M	1410	12.0	1.35	1.08	0.62	77.3	371	236	233	67.1	69.5	G
1/3	0.25	V-63M	1380	15.3	1.73	1.22	0.7	68.4	371	225	205	69.4	74.2	F
1/2	0.4	V-71M	1420	23.8	2.69	2.13	1.23	75.6	366	229	229	68.5	68.7	G
3/4	0.55	V-80S	1410	32.9	3.72	2.45	1.41	65.2	390	225	219	73.6	76.7	F

** 1/8 HP is

Table 4.18c IE1 Three Phase, 240/415V, 50Hz, 1500 RPM Synchronous Speed, TEFC - CE **(Not for EU or UK)**

Motor Capacity		Frame Size	Full Load (A)			Current				Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
			Rated RPM	Torque		Full Load		No Load % of FL	Starting % of FL					
HP	kW			in-lbs	N-m	240V	415V							
1/8**	0.1	V-63S	1420	5.95	0.672	0.65	0.37	88.1	378	286	277	60.9	60.9	J
1/4	0.2	V-63M	1410	12.0	1.35	1.1	0.64	80.9	375	260	253	66.4	65.7	H
1/3	0.25	V-63M	1390	15.2	1.72	1.23	0.71	73.0	380	247	223	69.5	70.6	G
1/2	0.4	V-71M	1430	23.6	2.67	2.23	1.29	80.6	364	250	247	67.0	64.4	H
3/4	0.55	V-80S	1420	32.7	3.7	2.46	1.43	70.6	413	248	237	73.6	73.1	G

** 1/8 HP is

Table 4.18d IE3 Three Phase, 230/400V, 50Hz, 1500 RPM Synchronous Speed, 6 lead, CE Marked, TEFC **(for EU or UK)**

Motor Capacity		Frame Size	Full Load Ratings							Current as % Full Load		Torque as % of Full Load	
			Current		RPM	Torque		Nominal Efficiency	Power Factor				
HP	kW		230V	400V		N-m	in-lbs			No Load	Starting	Starting	Breakdown
1/8**	0.1**	V-63S	0.62	0.35	1420	0.672	5.95	62.1	0.65	83.6	361	261	255
1/8	0.12	VA-63S	0.7	0.41	1430	0.8	7.08	72.5	0.59	84.3	571	283	346
1/4	0.2	VA-63M	1.08	0.63	1410	1.35	11.95	76.5	0.60	77.8	565	277	331
1/3	0.25	VA-63M	1.19	0.69	1400	1.71	15.13	76.1	0.69	70.6	513	219	262
1/2	0.4	VA-71M	1.86	1.08	1420	2.68	23.72	79.1	0.68	72.6	559	311	362
3/4	0.55	N-80S	2.31	1.33	1430	3.66	32.39	83.5	0.71	36.4	647	293	365

** 0.1 kW (1/8 HP) is TENV and IE1

Motor Performance Data - CE Motor, 50Hz Operation

Table 4.19a Three Phase, 220/380V, 50Hz, 1500 RPM Synchronous Speed, TEFC

Motor Capacity		Frame Size	Full Load			Current (A)				Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
			Rated RPM	Torque		Full Load		No Load % of FL	Starting % of FL					
HP	kW			in-lbs	N-m	220V	380V							
1	0.75	N-80M	1430	44.3	5.01	3.46	2.00	69.5	608	383	402	84.7	67.9	K
1.5	1.1	N-90S	1430	65.0	7.35	4.49	2.59	57.1	637	296	343	85.4	75.1	J
2	1.5	N-90L	1420	89.2	10.1	6.10	3.52	57.7	607	304	338	85.4	75.5	H
3	2.2	N-100L	1440	129	14.6	8.58	4.96	54.8	796	344	418	88.6	78.0	K
4	3.0	N-112S	1430	177	20.0	11.3	6.50	48.1	712	316	365	87.7	80.8	J
5	3.7	N-112M	1460	214	24.2	13.5	7.80	50.7	777	266	378	89.6	81.2	J
5.5	4.0	N-112M	1450	233	26.3	14.4	8.30	47.7	730	266	378	88.9	82.9	J
7.5	5.5	N-132S	1460	318	36.0	-	11.5	52.0	950	316	471	90.6	80.7	L
10	7.5	N-132M	1460	434	49.1	-	15.8	47.2	620	213	315	90.8	79.6	H
15	11	N-160M	1460	636	71.9	-	22.3	40.4	578	200	283	91.4	81.6	G
20	15	N-160L	1470	862	97.4	-	30.5	45.2	649	230	304	92.6	80.6	H
25	18.5	N-180MS	1480	1060	119	-	35.6	38.8	772	245	338	94.0	83.5	J
30	22	N-180M	1480	1260	142	-	41.9	32.9	656	206	284	93.5	85.4	G
40	30	N-180L	1480	1710	194	-	58.9	41.4	731	239	344	94.3	82.6	H
50	37	N-200L	1480	2110	239	-	70.5	35.9	740	239	325	94.2	84.6	H
60	45	N-200LL	1480	2570	290	-	84.0	37.1	826	285	370	94.6	86.4	J
75	55	N-225S	1480	3140	355	-	99.5	34.8	892	323	369	95.0	87.9	J

Table 4.19b Three Phase, 230/400V, 50Hz, 1500 RPM Synchronous Speed, TEFC

Motor Capacity		Frame Size	Full Load			Current (A)				Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
			Rated RPM	Torque		Full Load		No Load % of FL	Starting % of FL					
HP	kW			in-lbs	N-m	230V	400V							
1	0.75	N-80M	1440	44.0	4.97	3.54	2.05	75.8	643	423	446	84.6	62.7	L
1.5	1.1	N-90S	1440	64.5	7.29	4.50	2.60	64.4	672	336	387	85.6	71.1	K
2	1.5	N-90L	1430	88.6	10.0	6.17	3.56	65.3	631	338	375	85.8	72.3	J
3	2.2	N-100L	1450	128	14.5	8.56	4.95	63.3	839	382	465	88.7	74.1	L
4	3.0	N-112S	1440	176	19.9	11.2	6.45	56.0	767	352	419	87.9	76.9	K
5	3.7	N-112M	1460	214	24.2	13.7	7.90	58.8	805	294	420	89.0	77.5	K
5.5	4.0	N-112M	1460	231	26.2	14.4	8.30	56.0	768	273	388	89.1	78.8	K
7.5	5.5	N-132S	1460	318	36.0	-	11.6	59.5	985	351	524	90.6	76.2	M
10	7.5	N-132M	1460	434	49.1	-	16.0	54.5	739	206	350	91.2	75.5	K
15	11	N-160M	1470	632	71.5	-	22.2	61.2	714	257	378	91.5	73.0	J
20	15	N-160L	1480	856	96.8	-	30.6	53.3	681	256	338	92.5	76.3	J
25	18.5	N-180MS	1480	1060	119	-	35.4	46.0	817	272	375	93.9	80.1	K
30	22	N-180M	1480	1260	142	-	40.9	39.9	707	227	314	93.8	82.7	H
40	30	N-180L	1480	1710	194	-	59.1	49.7	767	265	382	94.0	78.2	J

Table continued on next page.

Motor continued

Motor Performance Data - IE3 CE Motor, 50Hz Operation (continued)

Table 4.19b continued... Three Phase, 230/400V, 50Hz, 1500 RPM Synchronous Speed, TEFC

Motor Capacity		Frame Size	Full Load			Current (A)				Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
			Rated RPM	Torque		Full Load		No Load % of FL	Starting % of FL					
HP	kW			in-lbs	N-m	230V	400V							
50	37	N-200L	1480	2110	239	-	69.5	42.9	791	266	361	94.1	81.4	J
60	45	N-200LL	1480	2570	290	-	82.5	43.7	886	317	411	94.6	83.5	K
75	55	N-225S	1480	3140	355	-	97.0	40.3	963	358	409	95.1	85.5	K

Table 4.20 Three Phase, 240/415V, 50Hz, 1500 RPM Synchronous Speed, TEFC

Motor Capacity		Frame Size	Full Load			Current (A)				Starting Torque % of FL	Breakdown Torque % of FL	Nominal Efficiency %	Power Factor %	NEMA Code Letter
			Rated RPM	Torque		Full Load		No Load % of FL	Starting % of FL					
HP	kW			in-lbs	N-m	240V	415V							
1	0.75	N-80M	1450	43.7	4.94	3.65	2.11	80.1	629	461	484	84.1	59.4	L
1.5	1.1	N-90S	1440	64.5	7.29	4.57	2.64	69.7	688	368	422	85.5	67.4	K
2	1.5	N-90L	1440	88.0	9.95	6.29	3.63	72.2	642	366	406	85.4	67.3	K
3	2.2	N-100L	1450	128	14.5	8.83	5.10	69.3	844	412	502	88.3	69.3	M
4	3.0	N-112S	1440	176	19.9	11.3	6.55	62.5	785	387	458	87.9	73.2	L
5	3.7	N-112M	1460	214	24.2	13.9	8.00	65.6	827	319	453	89.2	72.7	L
5.5	4.0	N-112M	1460	231	26.2	14.5	8.35	62.9	792	294	418	89.0	74.8	K
7.5	5.5	N-132S	1470	316	35.7	-	11.9	67.1	1000	378	564	90.2	72.0	N
10	7.5	N-132M	1470	431	48.7	-	16.2	61.4	660	254	378	90.6	71.1	J
15	11	N-160M	1470	632	71.5	-	22.4	53.2	648	249	354	91.6	74.6	H
20	15	N-160L	1480	856	96.8	-	31.2	59.9	693	275	364	92.2	72.3	J
25	18.5	N-180MS	1490	1050	119	-	35.7	52.4	840	292	404	93.8	76.7	K
30	22	N-180M	1480	1260	142	-	40.8	45.8	735	245	339	93.6	80.2	J
40	30	N-180L	1480	1710	194	-	60.2	55.6	781	285	411	93.6	74.2	K
50	37	N-200L	1480	2110	239	-	70.0	48.3	816	287	391	94.1	78.2	K
60	45	N-200LL	1480	2570	290	-	82.5	49.3	919	341	442	94.5	80.7	L
75	55	N-225S	1480	3140	355	-	96.5	45.1	1000	386	441	95.1	83.1	L

Motor continued

Notes on Inverter Operation

Please refer to Frequently Asked Questions on page 1.6.

Motor continued

Standard Wiring Diagrams

Illustrated below are the wiring diagrams for our standard motors. For additional information please refer to the motor name plate. Due to changes in design features, this diagram may not always agree with that on the motor. If different, the motor diagram found inside the conduit box cover should be used.

Table 4.21 Wiring Configuration for 230/460V, 60Hz and 575V, 60Hz by EP.NA Motor

Motor	230/460V, 60Hz			575V, 60Hz		
HP x P	Internal	No. of Leads	Diagram	Internal	No. of Leads	Diagram
1/8 x 4	WYE	9	9-Lead WYE	WYE	3	3-Lead
1/4 x 4						
1/3 x 4						
1/2 x 4						
3/4 x 4						
1 x 4						
1.5 x 4						
2 x 4						
3 x 4						
5 x 4						
7.5 x 4	DELTA	9	9-Lead DELTA	DELTA	3	3-Lead
10 x 4						
15 x 4						
20 x 4						
25 x 4						
30 x 4						
40 x 4						
50 x 4						
60 x 4						
75 x 4						

Figure 4.28b 9-Lead WYE

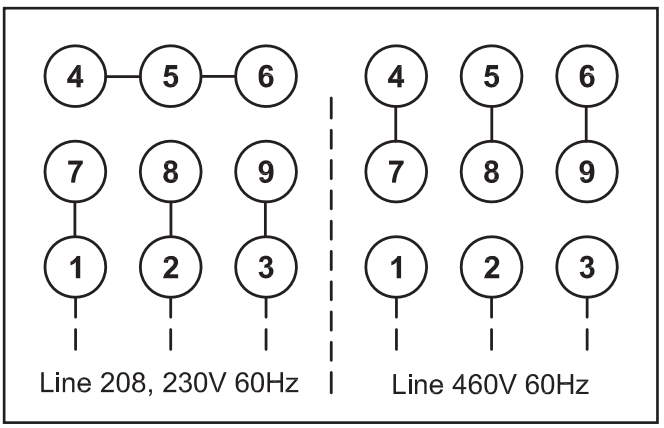


Figure 4.28c 9-Lead DELTA

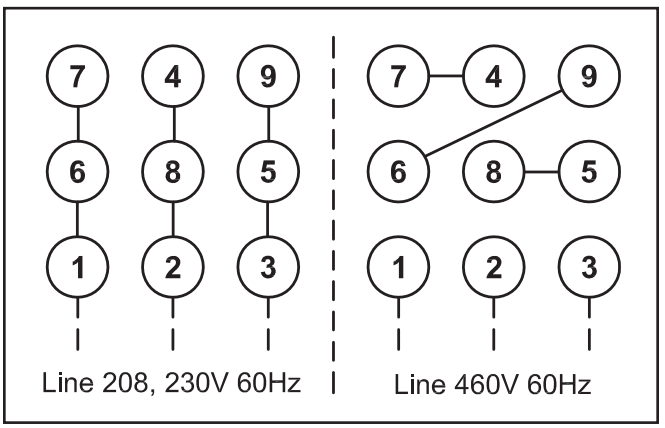
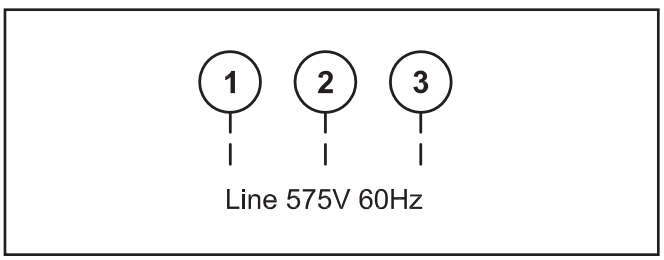


Figure 4.28d 3-Lead SINGLE



Three-Phase IE3 CE Motors

Table 4.22 Wiring Configuration by IE3 CE Motor

Motor kW x P	Voltage Configuration	Wiring Diagram
.75 x 4	220/380V, 50Hz Three Phase	DELTA-WYE
1.1 x 4		
1.5 x 4		
2.2 x 4		
3.0 x 4		
3.7 x 4		
5.5 x 4	380V, 50Hz Three Phase	WYE-Start DELTA-Run
7.5 x 4		
11 x 4		
15 x 4		
18.5 x 4		
22 x 4		
30 x 4		
37 x 4		
45 x 4		
55 x 4		

Figure 4.9 DELTA-WYE Diagram

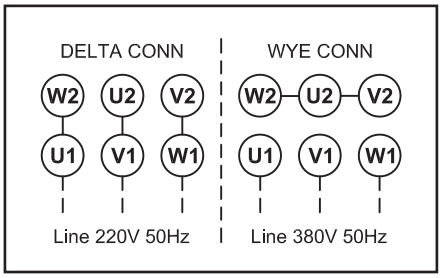
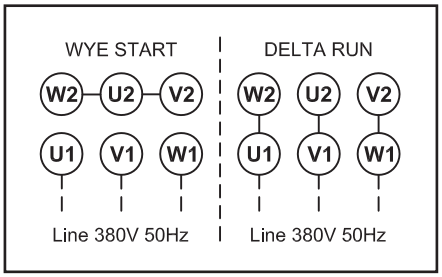


Figure 4.10 WYE-Start DELTA-Run Diagram



Motor continued

Motor Thermal Rating for Cyclic Applications

Table 4.23 Motor Thermal Rating Table

Motor Power HP *(kW)*	Allowable C x Z				Motor Inertia lb-in^2 *(kg-m^2)*	
	below 35% ED[1]	35% ~ 50% ED[1]	50% ~ 80% ED[1]	80% ~ 100% ED[1]	Standard	with Brake
1/8 (0.1)	3200	3000	2000	1200	1.11 (0.000325)	1.2 (0.00035)
1/4 (0.2)	2200	2800	2800	2500	1.71 (0.0005)	1.88 (0.00055)
1/3 (0.25)	2200	2800	2800	2500	1.71 (0.0005)	1.88 (0.00055)
1/2 (0.4)	1800	2200	1500	1500	2.22 (0.00065)	2.31 (0.000675)
3/4 (0.55)	1800	2200	1500	1500	3.45 (0.00101)	3.79 (0.00111)
1 *(0.75)*	1400	1400	800	500	8.03 (0.00235)	8.82 (0.00258)
1.5 *(1.1)*	1400	1400	800	500	11.5 (0.00337)	13.5 (0.00396)
2 *(1.5)*	1200	1200	500	400	13.4 (0.00391)	15.4 (0.0045)
3 *(2.2)*	1000	900	400	200	30.1 (0.0088)	33.4 (0.00978)
5 *(3.7)*	800	800	800	700	66.3 (0.0194)	71.4 (0.0209)
7.5 *(5.5)*	300	300	200	150	99.4 (0.0291)	105 (0.0306)
10 *(7.5)*	400	350	300	300	140 (0.0409)	154 (0.045)
15 *(11)*	200	200	150	150	*192 (0.0561)*	*206 (0.0602)*
20 *(15)*	100	90	78	68	*340 (0.0995)*	*393 (0.115)*
25 *(18.5)*	75	65	55	50	*875 (0.256)*	*926 (0.271)*
30 *(22)*	75	65	55	50	*875 (0.256)*	*926 (0.271)*
40 *(30)*	55	40	17	10	*1110 (0.326)*	*1170 (0.342)*

Note: [1] % ED = Duty Cycle.

The calculated C x Z value (steps 1 – 3 outlined below) should be less than the allowable value listed in Motor Thermal Rating table above.

1. Obtain the C value:

$$C = \frac{I_M + I_L}{I_M}$$

I_M = Moment of Inertia of the Motor.
I_L = Moment of Inertia of the Load as seem from the motor shaft.

2. Obtain the Z value (number of starts per hour):

(a) Assume that one operating period consists of "on-time" ta (sec.), "off-time" tb (sec.) and the motor is started nr (times/cycle).

$$Zr = \frac{3600 \cdot nr}{ta + tb} \text{ (times/hour)}$$

(b) When inching, ni (times/cycle) is included in 1 cycling (ta+tb), the number of inching times per hour Zi, is then included in the number of starts.

$$Zi = \frac{3600 \cdot ni}{ta + tb} \text{ (times/hour)}$$

(c) Calculate *Z* by adding *Zr* to *Zi* by the following formula.

$$Z = Zr + \frac{1}{2} \cdot Zi = \frac{3600}{ta + tb} \cdot \left(nr + \frac{1}{2} ni\right) \text{ (times/hour)}$$

3. Calculate *C x Z* (the product of *C* and *Z*)

Use the value of *C* obtained in Step (1) and value of *Z* obtained in Step (2).

4. Obtain the duty cycle %ED and compare calculated *C x Z* in the appropriate column from Motor Thermal Rating Table.

$$\%ED = \frac{ta}{ta + tb} \cdot 100$$

ta = on-time
tb = off-time

Brakemotor Characteristics

The brakemotor on Cyclo® gearmotors operates with direct current supplied by a dual voltage rectifier for 230/460V, or single voltage rectifier/power module for other noted voltages. Rectifier or power module is mounted in the motor conduit box.

When used for outdoor installations, standard brakemotor must be protected by a cover. Such covers are available from the factory, please inquire when ordering.

Note: Advise the factory when ordering if you require brake torque greater or lesser than those shown as standard in the Brakemotor Characteristics table below.

Brake Characteristics

Table 4.24 Brake Characteristics - Standard torque, Delay Time, Work Capacity

Brake Model	Motor Capacity		Standard Braking Torque ft - lbs *(N - m)*	Braking Delay Time (sec)			Brake Work Capacity		
				Normal Braking Action		Fast Braking Action	Allowable E_0 (J/min)	Gap Adjust (x 10^7 J)	Total E_1 (x 10^7 J)
	HP x 4P	kW x 4P		Standard Wiring	Inverter Wiring[2]				
FB-01A	1/8	0.1	0.7 (1.0)	0.15 ~ 0.2	0.08 ~ 0.12	0.015 ~ 0.02	1080	2.6	6.7
FB-02A	1/8 ~ 1/3	0.1 ~ 0.25	1.4 (2.0)						
FB-05A	1/4 ~ 1/2	0.2 ~ 0.4	2.9 (4.0)	0.1 ~ 0.15	0.03 ~ 0.07	0.01 ~ 0.015			
FB-1D	1/2	0.4	5.8 (7.5)	0.2 ~ 0.3	0.1 ~ 0.15	0.01 ~ 0.02	1620	7.0	33.1
FB-2D	3/4	0.55	11 (15)				2580	6.8	29.5
FB-3D	3/4	0.55	16 (22)	0.3 ~ 0.4	0.15 ~ 0.2		3360	16.4	53.7
FB-1E	1	0.75	5.5 (7.5)	0.25 ~ 0.45	0.15 ~ 0.25	0.01 ~ 0.03	2580	11.6	38.7
FB-1HE	1.5	1.1	8.0 (11)	0.45 ~ 0.65	0.25 ~ 0.35		3360	20.8	46.3
FB-2E	2	1.5	11 (15)	0.35 ~ 0.55	0.15 ~ 0.25				
FB-3E	3	2.2	16 (22)	0.75 ~ 0.95	0.4 ~ 0.5	0.02 ~ 0.04	5720	26.3	105.3
FB-5E	5	3.7	30 (40)	1.1 ~ 1.3	0.4 ~ 0.5		6900	57.4	382.8
FB-8E	7.5	5.5	40 (55)	1.0 ~ 1.2	0.3~ 0.4				
FB-10E	10	7.5	59 (80)	1.8 ~ 2.0	0.6 ~ 0.7		10800	110.2	551.1
FB-15E	15	11	80 (110)	1.6 ~ 1.8	0.5 ~ 0.6				
FB-20	20	15	110 (150)	-	-	0.06 ~ 0.14 [3]	22440	191.6	1150
FB-30	25	18.5	140 (190)	-		0.03 ~ 0.11[3]			
	30	22	160 (220)						
	40	30	150 (200)						
ESB-250[2]	50	37	200 (266)	-	-	0.065	30672	52	267
	60	45	235 (320)						

Notes: **[1]** Also applies to wiring where brake is powered separately from the motor leads.

[2] Available only with power module rated for use at 200VAC or 220VAC.
Above table applies to standard brake specification under standard brake torque. Special brakes may perform differently from those shown.
Initial brake torque may be lower than specified brake torque.
If this is the case, under light load start and stop the motor to wear-in the braking surface.
To improve performance for positioning accuracy or lifting applications, consider using fast braking action circuit.
If the brake is operated at a rate greater than the Allowalbe Brake Work Capacity, E0,
the brake performance may degrade or become inoperable.
ESB Type brake uses a power module (HD-110M3) that is installed separately from the brakemotor.
ESB Type brake cannot be operated in a vertical orientation.

[3] Values shown for 200V Class and 400V Class Brakes. Please consult factory for 575V Brakes.

Motor continued

Brakemotor Characteristics

Table 4.25 Brake Maintenance - Brake Gap, Brake Lining Thickness

Brake Model	Brake Gap			Brake Lining Thickness	
	Spec. (Initial) inch (mm)	Limit inch (mm)	Adjustment Method	Spec. (Initial) inch (mm)	Limit inch (mm)
FB-01A	0.008 ~ 0.014 (0.2 ~ 0.35)	0.020 (0.5)	Twist detent	0.276 (7.0)	0.256 (6.5)
FB-02A					
FB-05A			Shim		
FB-1D	0.012 ~ 0.016 (0.3 ~ 0.4)	0.024 (0.60)			0.236 (6.0)
FB-2D				0.347 (8.8)	0.307 (7.8)
FB-3D		0.028 (0.70)		0.355 (9.0)	0.315 (8.0)
FB-1E	0.010 ~ 0.014 (0.25 ~ 0.35)	0.024 (0.60)		0.347 (8.8)	0.307 (7.8)
FB-1HE		0.030 (0.75)		0.355 (9.0)	0.315 (8.0)
FB-2E					
FB-3E		0.034 (0.85)		0.410 (10.4)	0.331 (8.4)
FB-5E	0.014 ~ 0.018 (0.35 ~ 0.45)	0.040 (1.0)	Nut	0.394 (10.0)	0.236 (6.0)
FB-8E					
FB-10E		0.047 (1.2)		0.433 (11.0)	0.276 (7.0)
FB-15E					
FB-20	0.024 ~ 0.028 (0.6 ~ 0.7)	0.059 (1.5)		0.630 (16.0)	0.472 (12.0)
FB-30					
ESB-250[2]	0.028 (0.7)	0.079 (2.0)	Threaded Ring	0.236 (6.0)	0.142 (3.6)

Notes: **[1]** Also applies to wiring where brake is powered separately from the motor leads.

[2] Available only with power module rated for use at 200VAC or 220VAC.
Above table applies to standard brake specification under standard brake torque. Special brakes may perform differently from those shown.
Initial brake torque may be lower than specified brake torque.
If this is the case, under light load start and stop the motor to wear-in the braking surface.
To improve performance for positioning accuracy or lifting applications, consider using fast braking action circuit.
If the brake is operated at a rate greater than the Allowalbe Brake Work Capacity, E0,
the brake performance may degrade or become inoperable.
ESB Type brake uses a power module (HD-110M3) that is installed separately from the brakemotor.
ESB Type brake cannot be operated in a vertical orientation.

[3] Values shown for 200V Class and 400V Class Brakes. Please consult factory for 575V Brakes.

Brakemotor: Brake Current Rating

Table 4.26a Brake Current for Standard Fractional Motor and AF-Motor (AV)

Brake Model	230VAC, 50/60Hz			460VAC, 50/60Hz			575VAC, 50/60Hz		
	Vdc (V)	Idc (A)	Iac (A)	Vdc (V)	Idc (A)	Iac (A)	Vdc (V)	Idc (A)	Iac (A)
FB-01A	207VDC Full Wave	0.05	0.06	207VDC Half Wave	0.05	0.04	259VDC Half Wave	0.05	0.03
FB-02A		0.08	0.1		0.08	0.06		0.09	0.07
FB-05A									
FB-1D		0.1	0.1		0.1	0.1		0.1	0.1
FB-2D		0.2	0.2		0.2	0.2		0.2	0.2
FB-3D									

Table 4.26b Brake Current for EP.NA Motor

Brake Model	230VAC, 50/60Hz			240VAC, 50/60Hz			460VAC, 50/60Hz			480VAC, 50/60Hz		
	Vdc (V)	Idc (A)	Iac (A)	Vdc (V)	Idc (A)	Iac (A)	Vdc (V)	Idc (A)	Iac (A)	Vdc (V)	Idc (A)	Iac (A)
FB-1E	207VDC Full Wave	0.1	0.1	216VDC Full Wave	0.1	0.1	207VDC Half Wave	0.1	0.1	216VDC Half Wave	0.1	0.1
FB-1HE		0.2	0.2		0.2	0.2		0.2	0.2		0.2	0.2
FB-2E												
FB-3E		0.2	0.2		0.2	0.2		0.2	0.3		0.2	0.2
FB-5E		0.4	0.4		0.4	0.4		0.4	0.3		0.4	0.3
FB-8E												
FB-10E		0.4	0.4		0.5	0.5		0.4	0.3		0.5	0.4
FB-15E												
FB-20	207VDC /104VDC Module[2]	2.0/1.0[3]	2.0/0.8[3]	216VDC /108VDC Module[2]	2.1/1.1[3]	2.1/0.8[3]	414VDC /207VDC Module[2]	1.0/0.5[3]	1.0/0.4[3]	432VDC /216VDC Module[2]	1.0/0.5[3]	1.0/0.4[3]
FB-30												
ESB-250[1]												

Table 4.26b continued... Brake Current for EP.NA Motor

Brake Model	575VAC, 50/60Hz		
	Vdc (V)	Idc (A)	Iac (A)
FB-1E	259VDC Half Wave	0.1	0.1
FB-1HE		0.2	0.2
FB-2E			
FB-3E		0.2	0.2
FB-5E		0.4	0.3
FB-8E			
FB-10E		0.5	0.4
FB-15E			
FB-20	259VDC Half Wave	0.4	0.3
FB-30			
ESB-250[1]			

Notes: **[1]** ESB-250 is available only with power module rated for use at 200VAC or 220VAC.

[2] Power module type brake control generates two voltage levels--1) high excitation voltage for initial release, and 2) lower holding voltage.

[3] 2 brake current values shown corresponding to the two voltage levels from power module--1) excitation current on initial power up, and 2) holding current.
Brake coil design will be specific to brake voltage specified at time of order. Check motor nameplate, to determine brake voltage rating.
FB-20 and FB-30 Brake Coil and Power Module come in two voltage ranges--1) 200-240VAC, and 2) 380-480VAC.

Motor continued

Brakemotor: Brake Current Rating

Table 4.27a Brake Current for Fractional Motor CE Motor

Brake Model	220VAC, 50/60Hz			230VAC, 50/60Hz			380VAC, 50/60Hz			400VAC, 50/60Hz		
	Vdc (V)	Idc (A)	Iac (A)	Vdc (V)	Idc (A)	Iac (A)	Vdc (V)	Idc (A)	Iac (A)	Vdc (V)	Idc (A)	Iac (A)
FB-01A	99VDC Half Wave	0.13	0.12	104VDC Half Wave	0.13	0.12	171VDC Half Wave	0.06	0.04	180VDC Half Wave	0.06	0.04
FB-02A		0.2	0.2		0.2	0.2		0.08	0.07		0.08	0.07
FB-05A												
FB-1D		0.3	0.2					0.1	0.1		0.1	0.1

Table 4.27b Combination Table with Brakemotor Inertia

Brake Model	Motor Frame Sizes	Inertia WR2 lb-in2 (kg-m2)
FB-1E	N-80M	8.82 (0.00258)
FB-1HE	N-90S	13.5 (0.00396)
FB-2E	N-90L	15.4 (0.0045)
FB-3E	N-100L	33.4 (0.00978)
FB-5E	N-112M	71.4 (0.0209)
FB-8E	N-132S	105 (0.0306)
FB-10E	N-132M	154 (0.045)
FB-15E	N-160M	206 (0.0602)
FB-20	N-160L	393 (0.115)
FB-30	N-180MS	926 (0.271)
	N-180M	926 (0.271)
FB-30	N-180L	1170 (0.342)
ESB-250	N-200L	1380 (0.404)
	N-200LL	2550 (0.745)

Table 4.27c Brake Current for CE Motor

Brake Model	220VAC, 50/60Hz			230VAC, 50/60Hz			380VAC, 50/60Hz			400VAC, 50/60Hz		
	Vdc (V)	Idc (A)	Iac (A)	Vdc (V)	Idc (A)	Iac (A)	Vdc (V)	Idc (A)	Iac (A)	Vdc (V)	Idc (A)	Iac (A)
FB-01A	99VDC Half Wave	0.13	0.12	104VDC Half Wave	0.13	0.12	171VDC Half Wave	0.06	0.04	180VDC Half Wave	0.06	0.04
FB-02A		0.2	0.2		0.2	0.2		0.08	0.07		0.08	0.07
FB-05A												
FB-1D		0.3	0.2					0.1	0.1		0.1	0.1
FB-1E		0.2										
FB-1HE		0.5	0.4		0.5	0.4		0.2	0.2		0.2	0.2
FB-2E												
FB-3E		0.6	0.5		0.6	0.5		0.3	0.2		0.3	0.2
FB-4E												
FB-5E		1	0.7		1	0.8		0.4	0.3		0.4	0.3
FB-8E												
FB-10E		1.1	0.9		1.2	0.9		0.5	0.4		0.5	0.4
FB-15E												
FB-20	198VDC /99VDC Module[2]	2.0/1.0[3]	2.0/0.8[3]	207VDC /104VDC Module[2]	2.0/1.0[3]	2.0/0.8[3]	342VDC /171VDC Module[2]	0.8/0.4[3]	0.8/0.3[3]	360VDC /180VDC Module[2]	0.9/0.5[3]	0.9/0.4[3]
FB-30												
ESB-250[1]		2.2/1.1[3]	2.2/0.9[3]									

Notes: **[1]** ESB-250 is available only with power module rated for use at 200VAC or 220VAC.

[2] Power module type brake control generates two voltage levels--1) high excitation voltage for initial release, and 2) lower holding voltage.

[3] 2 brake current values shown corresponding to the two voltage levels from power module--1) excitation current on initial power up, and 2) holding current.

Brake coil design will be specific to brake voltage specified at time of order. Check motor nameplate, to determine brake voltage rating.

FB-20 and FB-30 Brake Coil and Power Module come in two voltage ranges--1) 200-240VAC, and 2) 380-480VAC.

Brakemotor: Optional Brake Torques

Table 4.28 Standard Brake Models

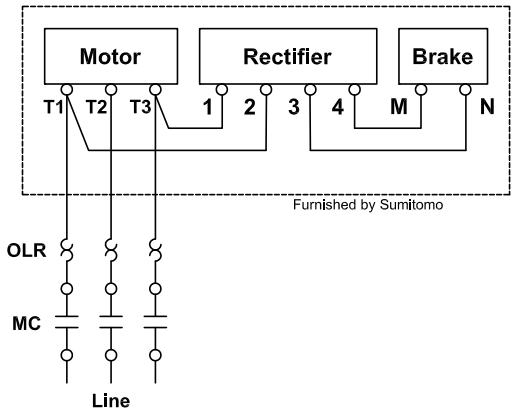
Brake Model	Motor Capacity		Braking Torque ft-lbs (N-m)	
	HP x 4P	kW x 4P	Standard	Optional
FB-01A	1/8	0.1	0.7 (1.0)	0.25 (0.34), 0.3 (0.4), 0.4 (0.54), 0.48 (0.65), 0.6 (0.8), 0.7 (1.0), 1.0 (1.4)
FB-02A	1/8 ~ 1/3	0.1 ~ 0.25	1.4 (2.0)	0.48 (0.65), 0.6 (0.8), 0.7 (1.0), 1.0 (1.4), 1.4 (2.0), 1.9 (2.6), 2.3 (3.1)
FB-05A	1/4 ~ 1/2	0.2 ~ 0.4	2.9 (4.0)	0.7 (1.0), 1.0 (1.4), 1.4 (2.0), 1.9 (2.6), 2.3 (3.1)
FB-1D	1/2	0.4	5.8 (7.5)	1.9 (2.6), 2.3 (3.1), 2.7 (3.7), 3.9 (5.3), 4.6 (6.2), 6.9 (9.4) 7.7 (10)
FB-2D	3/4	0.55	11 (15)	3.6 (4.9), 4.3 (5.8), 5.1 (6.9), 7.2 (9.8), 8.7 (12), 13 (18), 14 (19)
FB-3D	3/4	0.55	16 (22)	5.3 (7.2), 6.6 (9.0), 7.4 (10), 11 (15), 13 (18), 19 (26), 21 (28)
FB-1E	1	0.75	5.5 (7.5)	7.4 (10), 4.0 (5.5), 3.0 (4.0), 2.2 (3.0)
FB-1HE	1.5	1.1	8.0 (11)	11 (15), 5.5 (7.5), 3.7 (5.0), 2.2 (3.0)
FB-2E	2	1.5	11 (15)	15 (20), 8.0 (11), 5.5 (7.5), 3.7 (5.0)
FB-3E	3	2.2	16 (22)	22 (30), 11 (15), 7.4 (10), 4.4 (6.0)
FB-4E	4	3.0	22 (30)	30 (40), 16 (22), 11 (15), 7.4 (10)
FB-5E	5	3.7	30 (40)	40 (55), 22 (30), 15 (20), 7.4 (10)
FB-8E	7.5	5.5	40 (55)	53 (72), 30 (40), 22 (30), 15 (20)
FB-10E	10	7.5	59 (80)	80 (110), 44 (60), 30 (40), 15 (20)
FB-15E	15	11	80 (110)	110 (150), 59 (80), 44 (60), 29 (40)
FB-20	20	15	110 (150)	160 (220), 130 (175), 89 (120), 74 (100), 63 (85), 44 (60)
FB-30	25	18.5	140 (190)	160 (220), 110 (150), 89 (120), 74 (100), 44 (60)
	30	22	160 (220)	130 (175), 110 (150), 89 (120), 63 (85)
	40	30	150 (200)	120 (160), 74 (100)
ESB-250	50	37	195 (266)	275 (372), 235 (320), 155 (212), 120 (160), 78 (106)
	60	45	235 (320)	315 (426), 275 (372), 195(266), 155 (212), 120 (160)

Motor continued

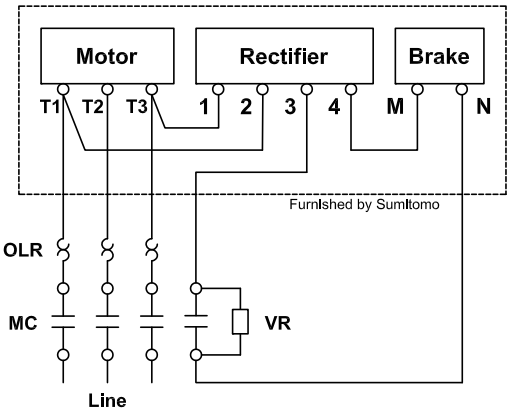
Brakemotor Standard Wiring Connection

Models FB-01A through FB-15E, 230/460V, 60Hz or 575V, 60Hz

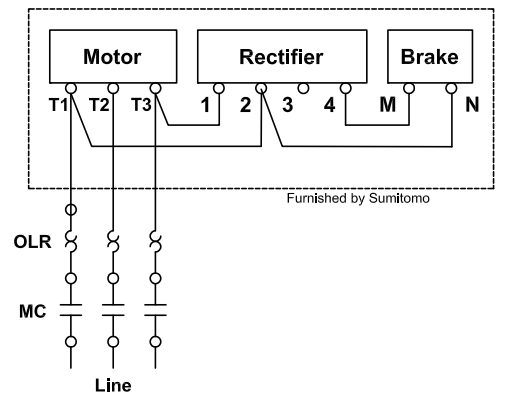
Normal Brake Action, 230V or 575V Brake



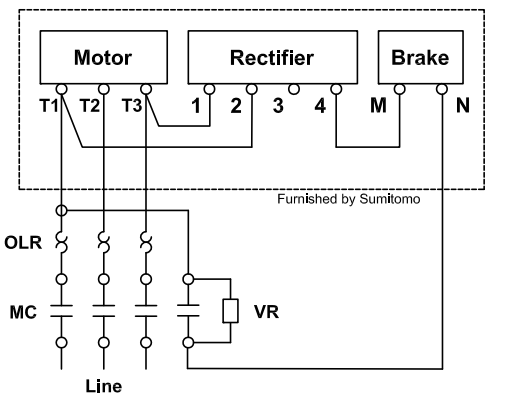
Fast Brake Action, 230V Brake



Normal Brake Action, 460V Brake



Fast Brake Action, 460V or 575V Brake



Key:
MC: Electromagnetic Relay
OLR: Overload or Thermal Relay
VR: Varistor (protective device, refer to Varaistor Specification Table)

Brakemotor Standard Wiring Connection

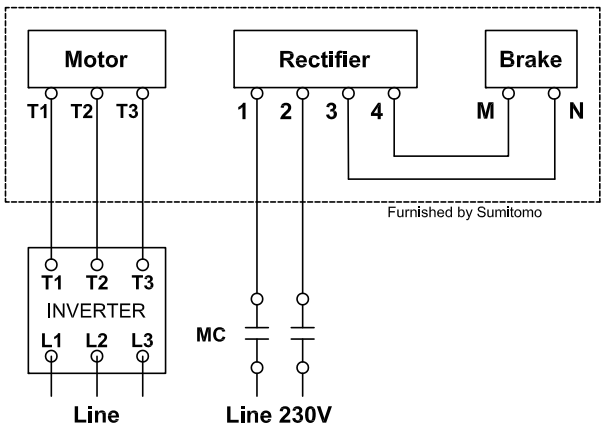
Table 4.29 Varistor Specification Table

Operating Voltage		190-230V	380-460V	575V
Varistor Rated Voltage		AC260-300V	AC510V	AC604V
Varistor Voltage		430-470V	820V	1000V
Rated Watt	FB-01A, 02A, 05A	Over 0.4W	Over 0.4W	Over 0.4W
	FB-1E, 1D	Over 0.6W	Over 0.4W	Over 0.4W
	FB-1HE, 2E, 2D, 3D	Over 1.5W	Over 1.5W	Over 0.6W
	FB-3E, 4E	Over 1.5W	Over 1.5W	Over 0.6W
	FB-5E, 8E	Over 1.5W	Over 1.5W	Over 1.5W
	FB-10E, 8E	Over 1.5W	Over 1.5W	Over 1.5W
	FB-20, 30			Over 1.5W

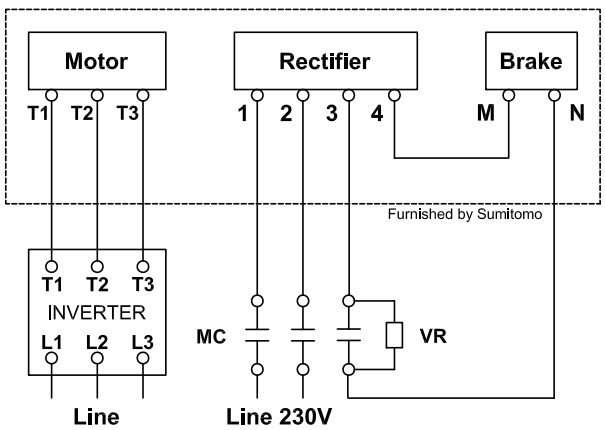
Brakemotor Inverter Wiring Connection

Models FB-01A through FB-15E, 230/460V, 60Hz or 575V, 60Hz

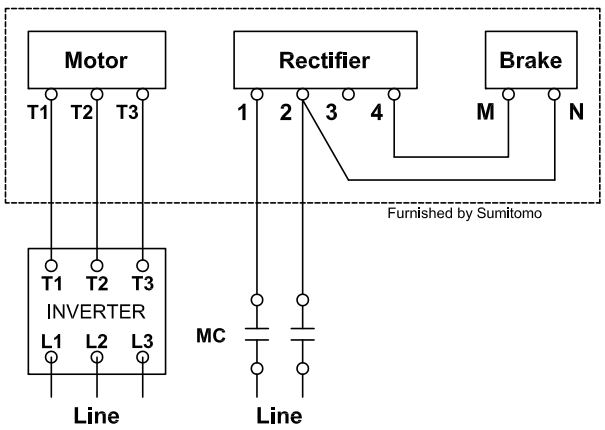
Normal Brake Action, 230V or 575V Brake



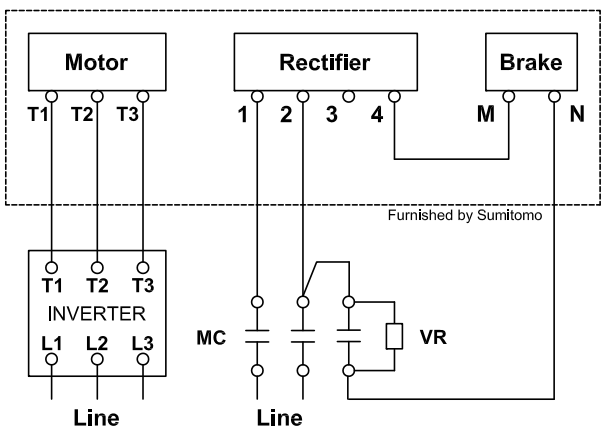
Fast Brake Action, 230V Brake



Normal Brake Action, 460V Brake



Fast Brake Action, 460V or 575V Brake



Key:
MC: Electromagnetic Relay
OLR: Overload or Thermal Relay
VR: Varistor (protective device, refer to Varaistor Specification Table)

Brakemotor Inverter Wiring Connection, EP.NA Motor

Table 4.30 Varistor Specification Table

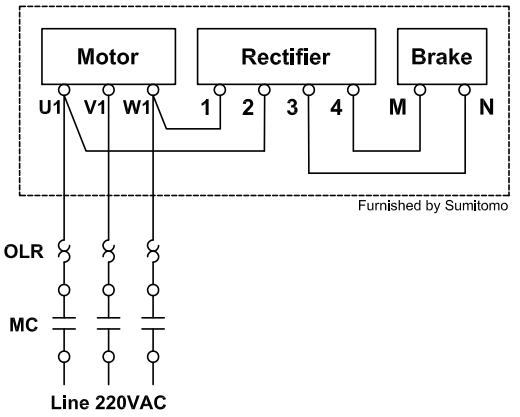
Operating Voltage		190-230V	380-460V	575V
Varistor Rated Voltage		AC260-300V	AC510V	AC604V
Varistor Voltage		430-470V	820V	1000V
Rated Watt	FB-01A, 02A, 05A	Over 0.4W	Over 0.4W	Over 0.4W
	FB-1E, 1D	Over 0.6W	Over 0.6W	Over 0.4W
	FB-1HE, 2E, 2D, 3D	Over 1.5W	Over 1.5W	Over 0.6W
	FB-3E, 4E	Over 1.5W	Over 1.5W	Over 0.6W
	FB-5E, 8E	Over 1.5W	Over 1.5W	Over 1.5W
	FB-10E, 8E	Over 1.5W	Over 1.5W	Over 1.5W
	FB-20, 30			Over 1.5W

Motor Brakemotor Standard Wiring continued

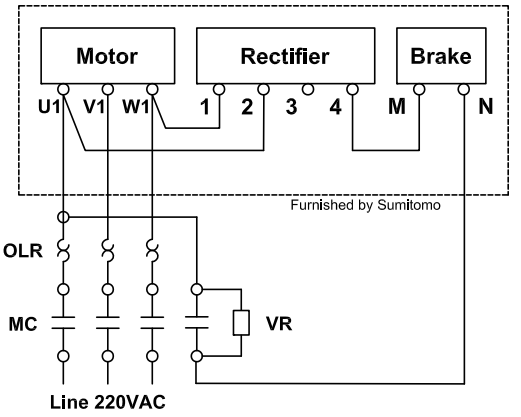
Standard Wiring Connection for CE Motors

Models FB-01A through FB-5E, 220/380V, 50Hz

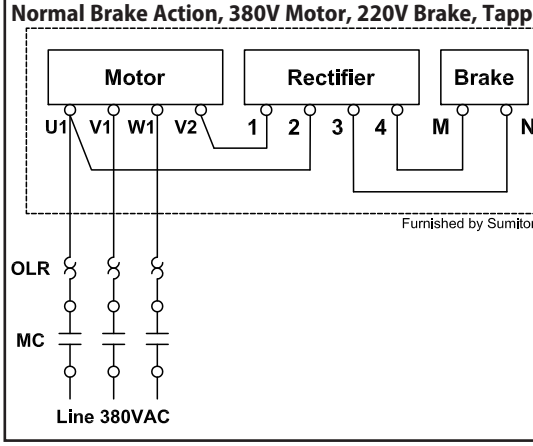
Normal Brake Action, 220V Motor, 220V Brake



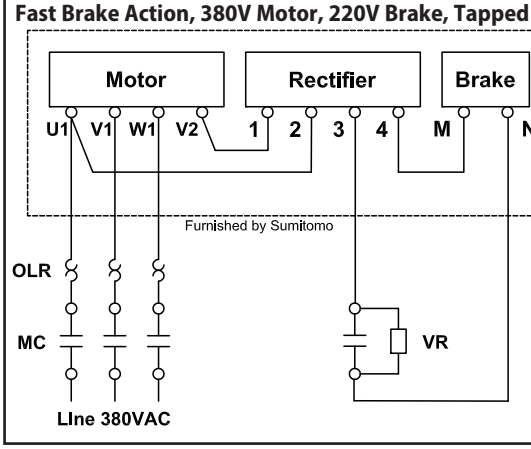
Fast Brake Action, 220V Motor, 220V Brake



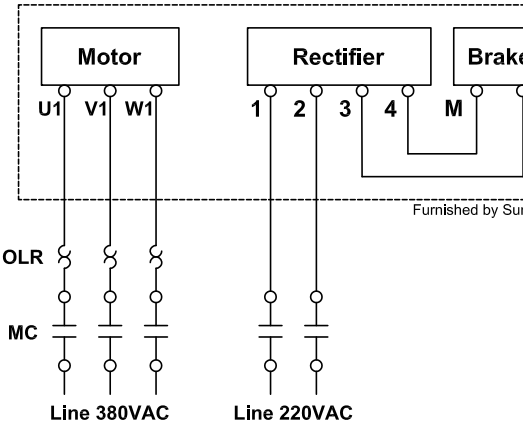
Normal Brake Action, 380V Motor, 220V Brake, Tapped



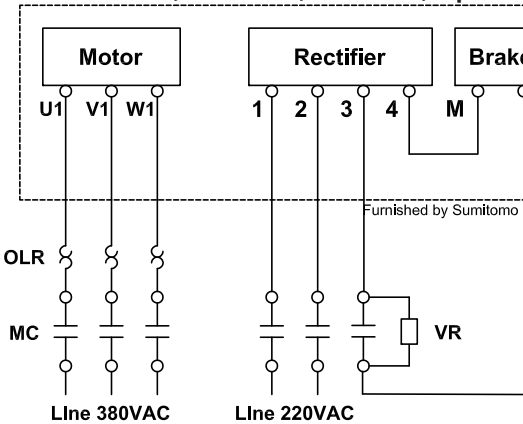
Fast Brake Action, 380V Motor, 220V Brake, Tapped



Normal Brake Action, 380V Motor, 220V Brake, Separated



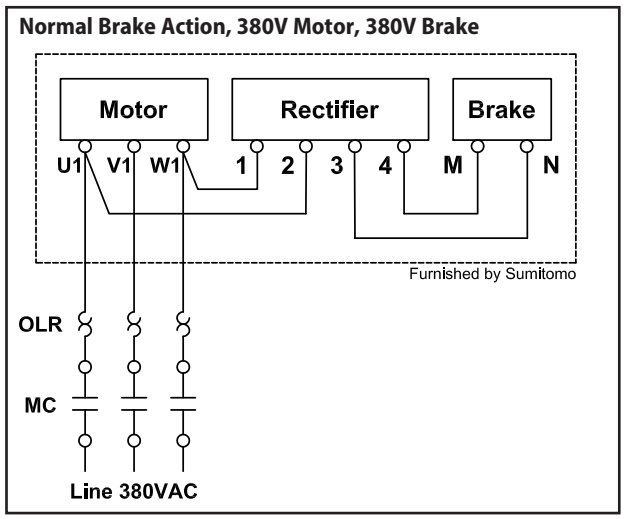
Fast Brake Action, 380V Motor, 220V Brake, Separated

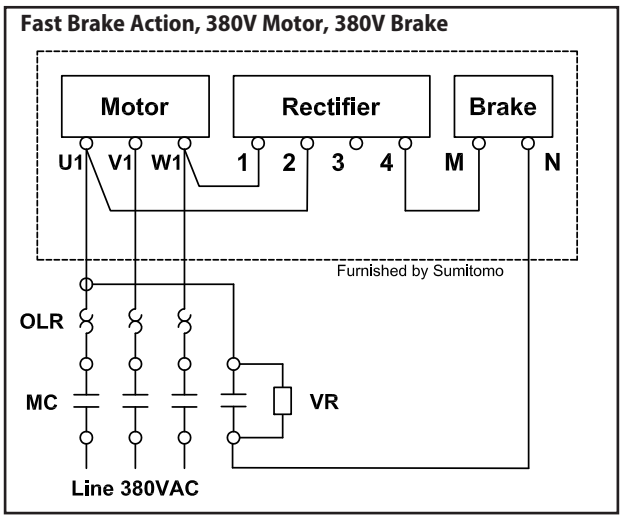


Key:
MC: Electromagnetic Relay
OLR: Overload or Thermal Relay
MCB: Magnetic Circuit Breaker
VR: Varistor (protective device, refer to Varaistor Specification Table)

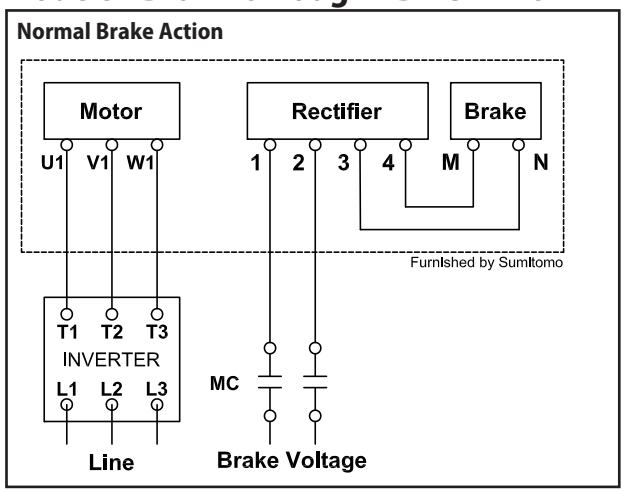
Standard Wiring Connection for CE Motors (continued)

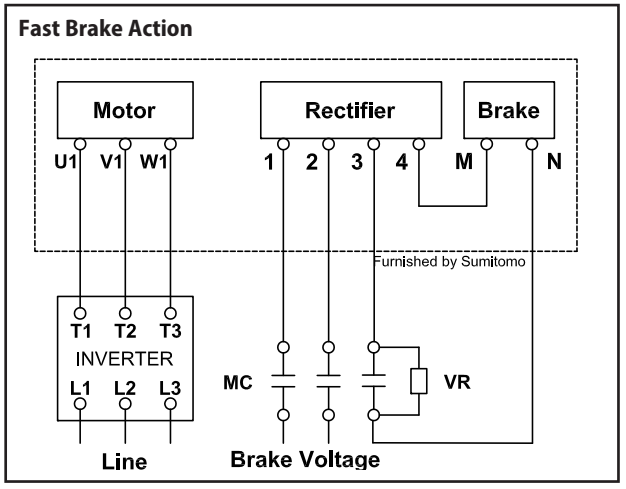
Models FB-8E through FB-15E, 380V, 50Hz





Models FB-01A through FB-15E with Inverter





Key:

MC: Electromagnetic Relay **OLR:** Overload or Thermal Relay **MCB:** Magnetic Circuit Breaker
VR: Varistor (protective device, refer to Varaistor Specification Table)

Table 4.31a Standard CE Motor, Motor/Brake Voltage

Motor Power kW x 4P	Brake Model	Motor Voltage	Brake Voltage
0.1	FB-01A	220/380V, 50Hz	220V, 50Hz*
0.2, 0.25	FB-02A		
0.4	FB-05A		
0.55	FB-1D		
0.75	FB-1E		
1.1	FB-2E		
1.5	FB-1HE		
2.2	FB-3E		
3.0	FB-4E		
3.7	FB-5E		
5.5	FB-8E	380V, 50Hz	380V, 50Hz
7.5	FB-10E		
11	FB-15E		

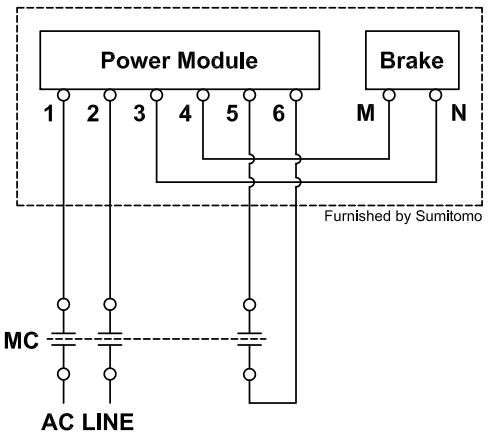
Table 4.31b Varistor Specification Table

Operating Voltage		190-230V	380-460V	575V
Varistor Rated Voltage		AC260-300V	AC510V	AC604V
Varistor Voltage		430-470V	820V	1000V
Rated Watt	FB-01A, 02A, 05A	Over 0.4W	Over 0.4W	Over 0.4W
	FB-1E, 1D	Over 0.6W	Over 0.6W	Over 0.4W
	FB-1HE, 2E	Over 1.5W	Over 1.5W	Over 0.6W
	FB-3E, 4E	Over 1.5W	Over 1.5W	Over 0.6W
	FB-5E, 8E	Over 1.5W	Over 1.5W	Over 1.5W
	FB-10E, 8E	Over 1.5W	Over 1.5W	Over 1.5W
	FB-20, 30			Over 1.5W

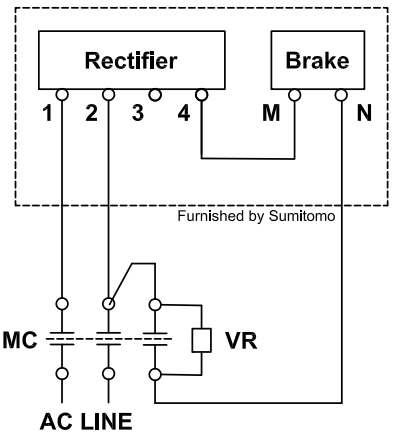
Motor Brakemotor Standard Wiring continued

Wiring for Brake Models FB-20 / FB-30 - EP.NA Motor and IE3 CE Motor

FB-20 and FB-30 Brake Wiring, 480VAC or less



FB-20 and FB-30 Brake Wiring, 575VAC



Key:
MC: Electromagnetic Relay
VR: Varistor (protective device, refer to Varaistor Specification Table)

Brake Rectifiers and Brake Power Modules

Table 4.32a Brake Rectifiers for EP.NA Motors

Brake Type	Motor Power HP *(kW)* x P	230V/460V Rectifier		575V Rectifier	
		Model Number	Part Number	Model Number	Part Number
FB-1E	1 x 4	25FW-4FB3	EW107WW-01	10F-6FB3	EW104WW-01
FB-1HE	1.5 x 4				
FB-2E	2 x 4				
FB-3E	3 x 4				
FB-5E	5 x 4				
FB-8E	7.5 x 4				
FB-10E	10 x 4				
FB-15E	15 x 4				
FB-20	20 x 4				
FB-30	25 x 4 30 x 4 40 x 4				

Table 4.32b Brake Rectifiers for IE3 CE Motors

Brake Type	Motor Power HP *(kW)* x P	220V Rectifier		380V Rectifier	
		Model Number	Part Number	Model Number	Part Number
FB-1E	0.75 x 4	10F-2FB2	MP983WW-01		
FB-1HE	1.1 x 4				
FB-2E	1.5 x 4				
FB-3E	2.2 x 4				
FB-4E	3.0 x 4				
FB-5E	3.7 x 4 4.0 x 4				
FB-8E	5.5 x 4			05F-4FB2	MP985WW-01
FB-10E	7.5 x 4			15F-4FB1	EW397WW-01
FB-15E	11 x 4				

Table 4.32c Brake Power Modules for EP.NA Motors and IE3 CE Motors

Brake Type	Motor (HP x P)	170 ~ 300VAC Module		380 ~ 480VAC Module	
		Model Numbers	Part Number	Model Numbers	Part Number
FB-20	20 x 4	13SR-2	EY570WW-01	10SR-4	MQ003WW-01
FB-30	25 x 4 30 x 4 40 x 4				

Warranty

Company warrants that (i) all new equipment and parts (collectively, "Equipment") sold by Company will conform to printed drawings and specification sheets issued by Company and (ii) are free of defects in material and workmanship for the time period shown in Table 1. The warranty period commences on the date of shipment of the Equipment by Company.

If, within the warranty period, Company receives from Buyer written notice of any alleged defect in any of the Equipment and, if the Equipment is found by Company not to conform with these warranties (after Buyer has provided Company a reasonable opportunity to perform any appropriate tests on the allegedly defective Equipment), Company will, at its sole option and expense, either repair or replace the Equipment. In all instances, Company reserves the right to require Buyer to deliver the Equipment for repair or replacement to a designated service center and require Buyer to pay all charges for inbound and outbound transportation and for services of any kind, diagnostic or otherwise, excepting only the direct and actual cost of Equipment repair or replacement. Warranty coverage is limited to parts and labor and does not include travel and other expenses. Buyer applications and use of the Equipment may require installation of safety features. Buyer is responsible for furnishing and installing guards or other safety equipment needed to protect operating personnel, even though such equipment may not be furnished by Company with the Equipment purchased. Equipment supplied, but not manufactured, by Company is warranted only to the extent of the original manufacturer's warranty.

Table 33 - Product Warranty

Product	Warranty Period (After Shipment)	Components Excluded
Cyclo® Speed Reducers and Gearmotors	2 Years	Bearings and Seals
Cyclo® Bevel Buddybox Speed Reducers and Gearmotors	2 Years	Bearings and Seals
Cyclo® Helical Buddybox Speed Reducers and Gearmotors	2 Years	Bearings and Seals
Fine Cyclo® Speed Reducers	2 Years	Bearings and Seals
Beier® Variator Mechanical Adjustable Speed Reducers	2 Years	Bearings and Seals
Hyponic® Speed Reducers and Gearmotors	2 Years	Bearings and Seals
Hedcon® Double Enveloping Worm Gear Speed Reducers	2 Years	Bearings and Seals
Helical Shaft Mount Speed Reducers	2 Years	Bearings and Seals
Rhytax®	2 Years	Bearings and Seals
IB Series Servo Gearheads	1 Year	Bearings and Seals
Astero Gearmotors	1 Year	Bearings and Seals
Variable Frequency Inverters	1Year	---
Paramax ® Speed Reducers	2 Years	Bearings and Seals
Compower Planetary Speed Reducers	1 Year	Bearings and Seals
Hansen UniMiner	2 Years	Bearings and Seals
Hansen P4	2 Years	Bearings and Seals
Parts	1 Year	---
Repairs	1 Year	Bearings and Seals

Notes