

# 2025

ABB NEMA Motors — A COMPLETE LINE OF INDUSTRIAL MOTORS

ENGINEERED  
TO OUTFIT

# Mission Statement

Our mission is to be the best  
(as determined by our customers)  
marketers, designers, and manufacturers  
of industrial electric motors

$$V_p = \frac{Q_p \times S_p^{\text{®}}}{C \times T}$$

V = Value      Q = Quality      S = Service  
C = Cost      T = Time      P = Perceived

**To our valued customers,**

As a technology leader, ABB is at the core of accelerating the energy transition. Customers in every industry have to run their businesses at high performance, and running consistently without interruptions is mission critical. But to 'run' your businesses is no longer enough – you need to improve productivity, efficiency and sustainability at the same time in order to achieve increasingly high targets. You need to be leaner and cleaner to outperform. ABB is engineered to Outrun.

Electric motors consume more than 45 percent of the world's electricity, so the technological advancement and adoption of high-efficiency motors are key factors in achieving significant energy efficiency improvements in industry and infrastructure. We listen to our customers, and building on more than 130 years of experience, we develop products that enable you to increase energy efficiency, improve safety and reliability and maintain precise control of your processes and applications. We are proud to provide motor solutions that contribute to the ongoing energy transition and help you to reduce your emissions and environmental impact.

As the market leader in energy efficient motors, we understand that we must also lead by example in our own operations. Our actions are reinforced by our culture of integrity and transparency, extending across our entire value chain. We have set highly ambitious targets and will maximize the use of our own products, solutions and expertise to achieve them.

We will continue to explore and push the limits of technology, searching for innovations that will take our solutions to the next level. We will continue to listen to our customers; your feedback, trust and loyalty are essential to our mission to be the best marketers, designers and manufacturers of industrial electric motors. And we will continue to act in a manner consistent with our stated values; reinforcing our commitment to helping you achieve your operational and environmental goals as a trusted partner, now and in the future.



Jesse Henson  
President, NEMA Motors Division, ABB

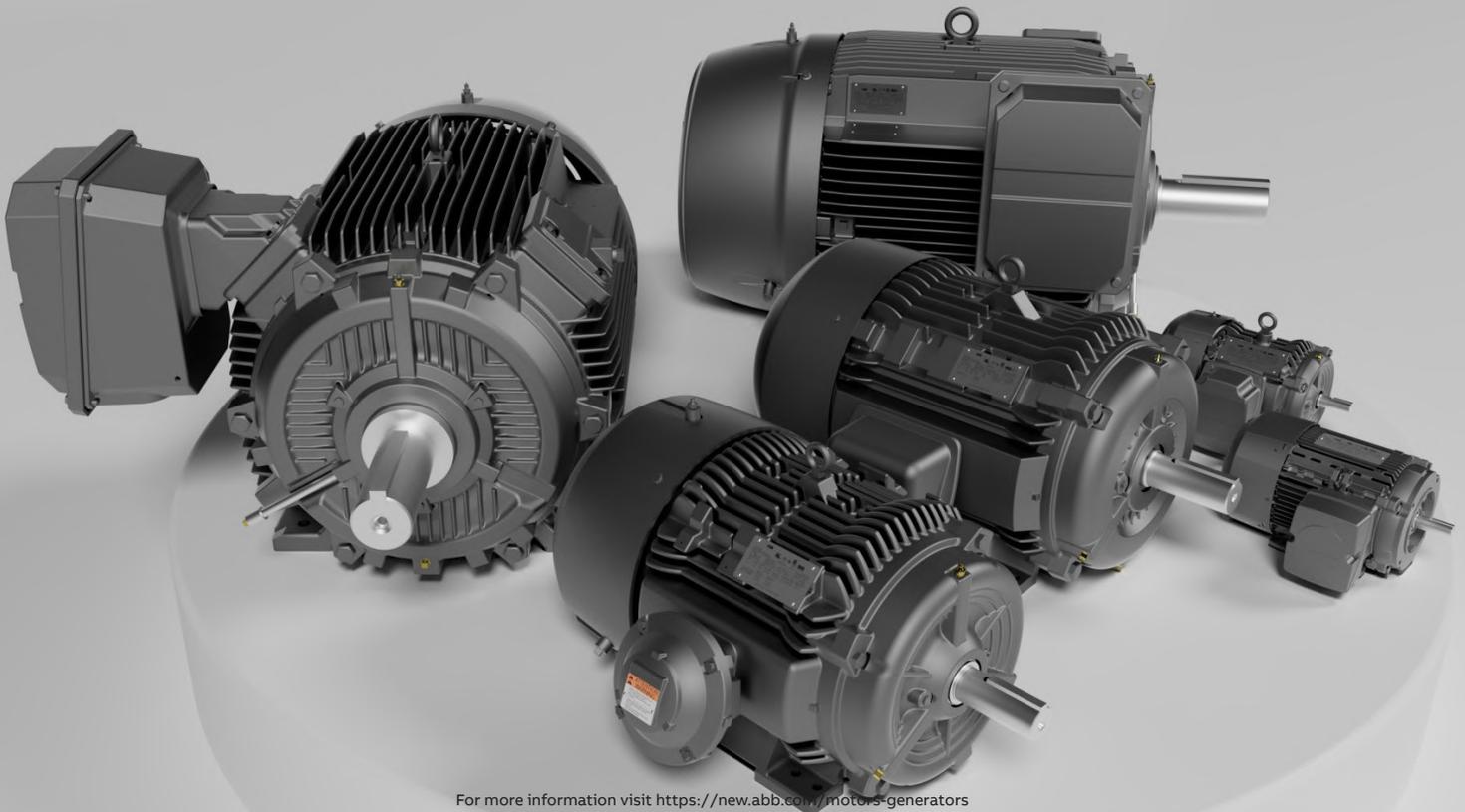
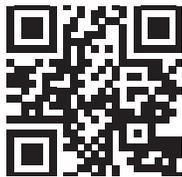
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# ABB NEMA motors

Our solutions enhance safety, reliability and sustainability.

Proving value to us means having the right motor for the job and offering solutions that are close to our customers' location. At ABB, we strive to offer a wide variety of motor types, in all frame sizes and power ratings with a comprehensive set of options.

This ABB NEMA motors portfolio consists of motors with power ratings from 1 to 800 horsepower with variety of voltages up to 600V, stocked to meet the needs of the North American market. The flexibility and modularity in design provides a wide range of use from lightweight aluminum-housed GP100A to the most robust and durable NEMA 5811 frame DP200 Crush+ motors.



# What's new



## DP200 Crush+

The ABB NEMA Motors DP200 Crush+ is designed for use in hard-starting applications, such as crushers and conveyors in challenging environments. It incorporates the superior features of the SD200, customized specifically for crusher and other hard-start application use.

- Up to 600Hp
- IP65
- Over 300% breakdown torque
- Class H insulation
- NEMA Premium efficiency as standard, NEMA Super Premium available



## SD100 C-face

These powerhouse motors are tailor-made for the rigors of severe duty industries. Now available in C-Face design, SD100 motors offer the ultimate in rugged construction, cool operation, high performance and application flexibility.

- Up to 100Hp
- IP55
- Class F insulation
- Class I, Div 2, Groups A, B, C, D
- Class II, Div 2, Groups F&G (FS 360-400), (FS 140-280 on request)

## A complete line of industrial motors



Severe duty



Definite purpose



General purpose

Electric motors  
convert more than

**45%**

of the world's  
electricity

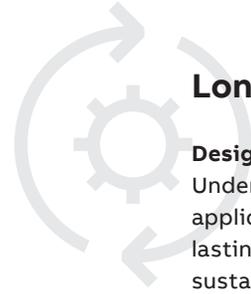
By 2040, the  
number of motors  
will double

**x2**

It has been estimated that, if all the 300 million industrial electric motor driven systems currently in operation were replaced with optimized, high-efficiency equipment, global electricity consumption could be reduced by as much as

**10%**

## What does "Sustainability" mean for motors?



### Longer lasting

#### Design for performance

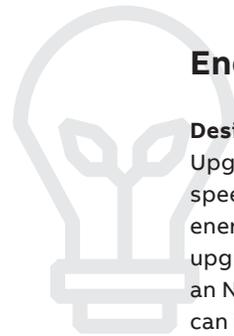
Understanding the customer's applications and ensuring a longer-lasting motor is used is a more sustainable solution.



### Eco-friendly

#### Design with circularity in mind

The material we use, from steel to copper and aluminum, are recycled. Our manufacturing plants are working towards ABB's decarbonization goals.<sup>(1)</sup>



### Energy efficient

#### Design for energy management

Upgrading from an DOL to variable speed operation can save 20-60% in energy costs alone. In addition, upgrading from an NEMA Premium to an NEMA Premium 4 Efficiency motor can improve energy use by as much as 20%.



#### Energy Savings Calculator

Smart savings, simple calculations.

[nema-energysave.us.abb.com](https://nema-energysave.us.abb.com)

(1) ABB Sustainability goals  
<https://global.abb/group/en/sustainability/preserving-resources>

# A complete line of low voltage motors

## 1–800Hp



		<b>Severe Duty</b>				
<b>Features</b>		<b>SD100 &amp; SD100 IEEE841</b>	<b>Severe Duty 661</b>	<b>SD 200</b>	<b>SD200 841</b>	<b>DP200 Crush+</b>
HP Range	3600 RPM	1–100Hp	-	125-600Hp	125-400Hp	-
	1800 RPM	1–100Hp	5–75Hp	125-800Hp	125-400Hp	125-600Hp
	1200 RPM	1–75Hp	7½–50Hp	100-600Hp	100-400Hp	125-600Hp
	900 RPM	1–60Hp	-	75-250Hp	75-250Hp	-
Frame Size	143T–5811	143T–405T	184T–365T	444T-5013	444T-5013	444T-5811
Standard Voltage (3 phase)	230/460V	140-250 <sup>(1)</sup>	-	-	-	-
	460V, 60Hz	143T–405T	184T–365T	444T-5013	444T-5013	444T-5811
	575V, 60Hz	143T–405T	184T–365T	444T-5013	444T-5013	444T-5811
Efficiency	NEMA Premium® <sup>(2)</sup>	143T–405T	184T–365T	444T-5013	444T-5013	444T-5811
Insulation	Non-Hygroscopic	Class F	Class F	Class H	Class H	Class H
Temperature Rise	Class B	@ 1.0 SF	@ 1.0 SF	@ 1.0 SF	@ 1.0 SF	@ 1.0 SF
	Class F	@ 1.15 SF	@ 1.15 SF	@ 1.15 SF	@ 1.5 SF	@ 1.15 SF
Construction		Cast iron	Cast iron	Cast iron	Cast iron	Cast iron
Fan		Polypropylene bi-directional	Polypropylene bi-directional	Polypropylene bi-directional	Polypropylene bi-directional	Polypropylene bi-directional
Ingress Protection		IP55	IP56	IP55	IP56	IP65
Hazardous classification	Gas	140T–400T CL I, Div. 2 GR. A, B, C or D	180T–360T CL I, Div. 2 GR. A, B, C or D	Division 2 Class I, GR. A, B, C or D	Division 2 Class I, GR. A, B, C or D	Division 2 Class I, GR. A, B, C or D
	Dust <sup>(4)</sup>	360T–400T CL II, Div. 2 GR. F and G	360T–400T CL II, Div. 2 GR. F and G	Division 2 Class II, GR. F and G	Division 2 Class II GR. F and G	Division 2 Class II GR. F and G
Inverter Duty <sup>(5)</sup>	Variable Torque	20:1	20:1	20:1	20:1	20:1
	Constant Torque	4:1	4:1	4:1	4:1	4:1
		-	-	2:1 <sup>(3)</sup>	2:1 <sup>(3)</sup>	2:1

(1) Suitable for 208V (not on nameplate). Not for IEEE 841 motors.

(2) MG1 - Table 12-12.

(3) FS440 <350HP & FS500 4 Pole ≤600 HP.

(4) 140-320 available on request.

(5) 140-250=IP55, 280-440=IP54



Severe Duty Pump Motors			Explosion Proof	General Purpose	
Horizontal Pump Systems (HPS)	P-Base VSS Pump LP100	P-Base VSS Pump HP100	XP100	GP100	GP100A
450–600Hp	3 - 100Hp	3–100Hp	1–300Hp	1–200Hp	1–20Hp
-	3 - 250Hp	3–250Hp	1–250Hp	1–200Hp	1–20Hp
-	3 - 250Hp	3–250Hp	1–200Hp	1–200Hp	1–20Hp
-	-	-	-	1–250Hp	-
509S-2011S	182LP-447LP	182Hp-447Hp	143T-449T	143T-449T	143T-256T
-	182LP-286LP	182Hp-286Hp	143T-445T <sup>(1)</sup>	143T-405T <sup>(1)</sup>	143T-256T <sup>(1)</sup>
509S-2011S	182LP-447LP	182Hp-447Hp	143T-449T	143T-449T	143T-256T
509S-2011S	182LP-447LP	182Hp-447Hp	143T-449T	143T-449T	143T-256T
509S-2011S	182LP-447LP	182 HP-447Hp	143T-449T	143T-449T	143T-256T
Class H	Class F	Class F	Class F	Class F	Class F
@ 1.0 SF	@ 1.0 SF	@ 1.0 SF	@ 1.0 SF	@ 1.0 SF	@ 1.0 SF
@ 1.15 SF	@ 1.15 SF	@ 1.15 SF	@ 1.15 SF	@ 1.15 SF	@ 1.15 SF
Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Aluminum
Metallic bi-directional	Polypropylene Bi-Directional	Polypropylene bi-directional	Polypropylene bi-directional	Polypropylene	Polypropylene bi-directional
IP55	IP55	IP55	IP65	IP54 / IP55 <sup>(5)</sup>	IP55
500 CL I, Div. 2 GR. A, B, C	180T - 440T CL I, Div. 2 GR. A, B, C or D	180T-440T CL I, Div. 2 GR. A, B, C or D	140T–400T CL I, Div. 1 GR. C & D	-	-
			CL II, Div. 1 GR. F and G	-	-
20:1	20:1	20:1	20:1	-	-
4:1	4:1	4:1	4:1	-	-
2:1 <sup>(4)</sup>	-	-	-	-	-

# Quality design and manufacturing

Bringing products close to our customers



Manufacturing plant located in Guadalajara, Mexico

**History:**

- Founded in 1972
- Siemens factory since 1982
- ABB factory since 2023

Low voltage motor manufacturing scope:  
 NEMA Frames size NEMA 143 – 5811, ABB NEMA Motors SD, XP, GP and special pump motors

ABB NEMA motors are manufactured in a state-of-the-art, ISO 9001 certified facility. All products meet or exceed NEMA Premium® efficiency requirements suitable for the North American market.

**Part Number** points to: TYPE:SD200  
PART N<sup>o</sup>:1LE63214CB112AA1

**Bearing Information** points to: BEARINGS  
D.E. 100BC03JP3  
O.D.E. 75BC03JP3

**VFD / Grease Information** points to: VFD COMPATIBLE AT 1.0 S.F. 20:1 V.T., 4:1 C.T.  
GREASE: POLYUREA BASE

**Serial Number** points to: SERIAL N<sup>o</sup>: J2305010001

**Compliance Logos** points to: ABB, ENERGY STAR US, ee CC010A, CE, C SP US Energy Verified, NEMA Premium IE3

**Electrical Characteristics** points to: CONTINUOUS DUTY  
WEIGHT: 1836 lbs.

**Wiring Diagram** points to: CONNECTION diagram showing terminals 1-12 and phases L1, L2, L3.

**Area Classification / Temp Code** points to: Class I Div. 2 GR A, B, C or D T3  
Class I Zone 2 GR IIA, IIB or IIC T3  
Class II Div. 2 GR F OR G T3C

Other nameplate text includes: FRAME: 447T, IP 55, 3PH, TEFC, NEMA: B, INSUL. CLASS: H, kVA CODE: G, AMB. TEMP.: 40 °C, T.RISE: 80°C @ S.F. 1.0, EFFICIENCY table, and Made in México by ABB NEMA MOTORS.

HP	kW	R.P.M.	V	A	Hz	S.F.	S.F.A	NOM. %	MIN. %
200	149.2	1785	460	247	60	1.15	284.1	96.2	95.8
150	111.9	1491	400	224.4	50	1.15	258.1	95.5	--

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# Catalog notes

## Voltage

ABB NEMA Motors can operate from 200–600V according to the winding selection and are designed according to NEMA MG-00001 tolerances

- Voltage: +/-10% of rated voltage
- Frequency: +/- 5% of rated frequency
- Combined: +/-10% (sum of absolute values)

Windings up to 230V can only be applied to motors 75Hp or below.

## Efficiencies

Efficiencies of all 60 Hz motor designs are listed as NEMA nominal at full.

## Full Load Amps (FLA)

For low voltage amps, double high voltage amps shown.

## Motor bearings

Motors with ball bearings are suitable for coupled loads. If a load is belted, a roller bearing may be required. Contact your local sales office if you have questions or need assistance.

## Service factor

NEMA T-frames in TEFC construction have a service factor of 1.15 or greater except where noted.

## Mounting holes

Most cast iron foot-mounted motors have dual mounting holes (143T-145T, 182T-184T, etc.) FS 500 and FS 580 have three mounting holes (509-5010-5011, 586-587-588, etc.).

## F1/F2

All motors FS 400 and below are built with symmetrical frames which may be converted from F1 to F2 by switching endplates and rotor from end-to-end. F1 to F2 and top mount conversion for FS 444-5013 is available by switching cable after removing the end shield. FS 5086-5013 is done via swingarm.

There are four locations on the frame for L449-FS500 and two locations (DE only) for FS444-449 where the main box or auxiliary boxes can be mounted. FS 444-449 frame terminal box can be offered with options for centered box for retrofit applications.

## Modified motors

Using stock motors, ABB can modify motors to fit a variety of applications in only 2 to 8 working days for most modifications.

## Custom motors

For information on motor designs and capabilities not found in this catalog, please contact your local sales office.

## Terminal leads

All low voltage NEMA motors come standard with flying leads (no terminal block) terminated using ring terminals and identified with permanent marking. Terminal block, K83, is available as an option.

As standard terminal leads will be of sufficient length to execute the termination to the power leads inside the terminal box or F1, F2 and top-mount conversions.

**Ingress Protection**

The ingress protection (IP) rating is the protection grade against water and dust. The IP rating on the nameplate applies to completed motor, including shaft seals, bearing housing fits, and terminal box. The first number designation in the IP rating, IP\_\*, relates to the protection against water. The second number designation in the IP rating, IP\*\_\_, relates to the protection against dust. ABB NEMA Motors will have IP55 rating. Additional features can be added to increase to IP56, L91.

**Hazardous area classification**

Next-generation severe duty low voltage NEMA motors up to L449 frame will include Class I, Division 2 and Class II, Division 2 information standard on the main nameplate. 500 frame motors will include Class I, Division 2 information on the main plate and may have Class II, Division 2 added with option M25. Note: M25 will also include additional features required for compliance. Associated Zone 2 data will also be included.

**CAUTION**

Motors misapplied in hazardous environments can cause a fire or explosion resulting in destruction of property, serious injury or death. Only the end user or a qualified underwriter is to identify and select the proper class, group, division and temperature code motor to meet the requirements of each installation. ABB personnel can advise what listings and approvals ABB NEMA motors carry but cannot evaluate nor recommend what motors may be suitable for use in hazardous environments.

# UL and CSA explosion-proof classifications

## CAUTION

Motors misapplied in hazardous environments can cause a fire or explosion resulting in destruction of property, serious injury or death. Only the end user or a qualified underwriter is to identify and select the proper class, group, division, and temperature code motor to meet the requirements of each installation. ABB personnel can advise what listings and approvals ABB NEMA carry, but cannot evaluate nor recommend what motors may be suitable for use in hazardous environments.

**1. Hazardous locations** — For details on area classification and equipment suitability please consult NFPA70™ National Electric Code® Articles 500-516.

- **Class I Group C** — locations are those which contain flammable gas, vapor, combustible liquid produced vapor mixed with air that may burn or explode, either having a maximum experimental safe gap (MESG) value greater than 0.45 mm and less than or equal to 0.75mm or a minimum igniting current ratio (MIC ratio) greater than 0.40 and less than or equal to 0.80. Ethylene is a typical Group C gas. For other substances in this group, please consult NFPA 497.
- **Class I Group D** — locations are those which contain flammable gas, vapor, combustible liquid produced vapor mixed with air that may burn or explode, either having a (MESG) value greater than 0.75 mm or a (MIC ratio) greater than 0.80. Propane is a typical Group D gas. For other substances in this group, please consult NFPA 497.
- **Class II Group E** — locations with atmospheres containing combustible metal dusts such as aluminum, magnesium and their alloys or other combustible dusts with particle sizes and conductivity that present similar hazards. For other substances and

guidance relative to this group, please consult NFPA 499.

- **Class II Group F** — locations with atmospheres containing combustible carbonaceous dusts with more than 8% entrapped volatiles. Coal, carbon black, charcoal and coke dust are examples from this group. For other substances and guidance relative to this group, please consult NFPA 499.
- **Class II Group G** — locations with atmospheres containing combustible dusts not included in Group E or F, including flour, grain, wood, plastic and chemicals. For other substances and guidance relative to this group, please consult NFPA 499.

**2. Class II Temperature Codes** are typically the lower of either the ignition temperature of the combustible dust that is present or 165°C. Low surface temperature requirements (higher temperature codes) in Class II F&G require that over temperature protection be used.

- Class II Explosion-proof motors rated 1 1/2 Hp or less have internally mounted automatic thermal overloads when indicated by suffix "A". Caution must be observed when applying these to machinery applications to prevent accidental injury should the thermal device automatically reset and restart the motor.
- Class II Explosion-proof motors rated 1 Hp and larger without automatic thermal overloads have thermostats in the windings. These thermostats are pilot circuit devices to be connected to the magnetic starter circuit.

**3. Motors for use in Class I only locations** may be provided without T-stats. In these cases, the T-Code is determined by the maximum external surface temperature of the motor enclosure at the point when the winding burns out. These motors have T-Codes T2A or T2B depending on design, and require special

insulation. Consult ABB for the acceptability of a requested T-code for specific designs. When motors for use in Division 1 areas (Class I and/ or Class II) are provided with T-stats (Over temperature devices) the over-temperature protection must be utilized. If accepted by the AHJ (Authority Having Jurisdiction) other means of limiting the temperature may be utilized in the application. Such alternate protection means are the responsibility of the end user, and ABB does not accept any responsibility for them.

**4. The “T” Code identifies the maximum absolute**

Maximum surface temperature	US (NEC 500) CA (CEC Annex J)	US (NEC 505) CA (CEC Section 18)
450° C	T1	T1
300° C	T2	T2
280° C	T2A	-
260° C	T2B	-
230° C	T2C	-
215° C	T2D	-
200° C	T3	T3
180° C	T3A	-
165° C	T3B	-
160° C	T3C	-
135° C	T4	T4
120° C	T4A	-
100° C	T5	T5
85° C	T6	T6

motor surface temperature that will be developed under all conditions of operation.

- Division 1 considers external surface temperature and includes overloads and locked rotor conditions.

**5. Stock Motors are not suitable for applications in temperatures below -25°C (-13°F). Custom motor designs available for applications in temperatures down to -60°C. Contact your local Sales office for further information.**

- 6. All ABB explosion-proof motors are supplied with Explosion-Proof UL and CSA approved conduit boxes as standard.**
- 7. Most ABB NEMA three phase AC explosion proof motors, are approved for use on adjustable speed drives. Only explosion proof motors with adjustable speed information on the motor nameplate can be used. Custom explosion proof ratings are available, contact your local sales office for more information.**

**8. ABB NEMA Division 1 motors are certified for hazardous locations in the North American market, to the Class and Division system. When these motors also carry a CE mark, it is CE marked only for Electrical Safety, to the Low Voltage Directive, 2014/35/EU and has not been certified nor marked for the ATEX Directive, 2014/34/EU.**

# Licensed motors have NEMA Premium<sup>®</sup> on their nameplate

## Buy with confidence

Buying a motor can be a difficult process. Is it the right size for the application? Is it the right design? Is it going to last? Is it going to perform to its specifications? Will it meet efficiency claims? The last question is easy to answer if NEMA Premium is on the label.

## NEMA Premium Licensees meet a higher standard

All motor manufacturers are required to submit efficiency test data to the US Department of Energy to receive their Certificate of Compliance. Data must be compiled at any qualified testing facility, including the manufacturer's own test laboratory. It takes extra to wear the NEMA Premium label. A NEMA Premium Licensee has agreed to go beyond minimum US DOE requirements.

## NEMA Premium Licensees must prove efficiency claims

What is on the nameplate is not what you always get when it comes to efficiency. Most manufacturers will attempt to ship what is on the nameplate, but do not always deliver. If you want assurance that a motor meets its efficiency claims, look for a NEMA Premium certified motor.

## NEMA Premium Licensees must submit to third-party testing

NEMA Premium Licensees are required to ship randomly selected motors from distributors' inventory to a third-party qualified laboratory for efficiency verification testing on a regular schedule.

You can buy with confidence when NEMA Premium is on the nameplate.



The US DOE (Department of Energy) has established new energy conservation standards for electric motors, including NEMA Premium 4 efficient, which will take effect on June 1, 2027. These regulations, part of the Medium Electric Motor (MEM) rule, will require motors up to 100 horsepower to meet NEMA Premium efficiency, and motors between 100 and 250 horsepower to achieve NEMA Premium 4 efficiency.

# Technical details

## Part number structure

<b>MLFB Structure</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>-</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>-</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>-Z</b>
<b>Motor Series</b>	<b>1</b>	<b>2</b>	<b>3</b>					-						-					
Standard GP, SD Motors	1	L	E					-						-					
Division I Explosion Proof Motors	1	M	B																
Definite Purpose Motors	1	P	C					-						-					
Main Series				<b>4</b>				-						-					
NEMA Motors				2				-						-					
<b>Motor Type/Enclosure/Efficiency</b>					<b>5</b>	<b>6</b>	<b>7</b>	-						-					
GP100A NP	1	L	E	2	1	2	1	-						-					
GP100 NP	1	L	E	2	2	2	1	-						-					
SD100 NP	1	L	E	2	3	2	1	-						-					
SD100 NP (Low Maintenance)	1	L	E	2	4	2	3	-						-					
SD100 IEEEE841 NP	1	L	E	2	4	2	1	-						-					
SD661	1	L	E	2	4	2	2	-						-					
SD10 MS	1	L	E	2	1	2	1	-						-					
XP100	1	M	B	2	1	2	1	-						-					
XP100 ID1	1	M	B	2	2	2	1	-						-					
HP100	1	P	C	2	8	2	2	-						-					
LP100	1	P	C	2	8	3	5	-						-					
<b>Motor HP and Frame</b>								-	<b>8</b>	<b>9</b>		<b>11</b>		-					
<b>Number of Poles (Speed)</b>								-			<b>10</b>			-					
2 Pole (3000/3600 RPM)								-			A			-					
4 Pole (1500/1800 RPM)								-			B			-					
6 Pole (1000/1200 RPM)								-			C			-					
8 Pole (750/900 RPM)								-			D			-					
<b>Winding Design/Voltage/Frequency</b>								-					<b>12</b>	-	<b>13</b>				
<b>Mounting</b>								-							-	<b>14</b>			
<b>Winding Protection</b>								-							-		<b>15</b>		
<b>Terminal Box Position</b>								-							-			<b>16</b>	
<b>With Additional Options</b>								-							-				<b>-Z</b>

# Technical details

## Part number structure – Option codes

MLFB Structure	1	2	3	4	5	6	7	-	8	9	10	11	12	-	13	14	15	16	-Z
<b>Motor Series</b>	1	2	3					-						-					
Standard GP, SD Motors	1	L	E					-						-					
Definite Purpose Motors	1	P	C					-						-					
Main Series				4				-						-					
Next Generation NEMA Motors				6				-						-					
<b>Motor Type/Enclosure/Efficiency</b>					5	6	7	-						-					
SD200	1	L	E	6	3	2	1	-						-					
SD200 841	1	L	E	6	3	2	2	-						-					
SD200HPS	1	P	C	6	5	2	1	-						-					
DP200 Crush+	1	P	C	6	5	2	5	-						-					
<b>Motor HP and Frame</b>								-	8	9		11		-					
Ball Bearing Long Shaft 444-445T									4	B		*							
Ball Bearing Long Shaft 447-449T									4	C		*							
Ball Bearing Long Shaft L449T									4	D		*							
Ball Bearing Long Shaft509-511									5	A		*							
Ball Bearing Long ShaftL5011-5013									5	B		*							
Ball Bearing Short Shaft 444-445TS									4	F		*							
Ball Bearing Short Shaft 447-449T									4	G		*							
Ball Bearing Short Shaft L449T									4	H		*							
Ball Bearing Short Shaft 509-511S									5	E		*							
Ball Bearing Short ShaftL5011-5013S									5	F		*							
Roller Bearing Long Shaft R444-R445T									4	S		*							
Roller Bearing Long Shaft R447-R449T									4	T		*							
Roller Bearing Long Shaft RL449T									4	U		*							
Roller Bearing Long Shaft R509-R5011									5	R		*							
Roller Bearing Long Shaft RL5011-RS013									5	S		*							
<b>Number of Poles (Speed)</b>								-			10			-					
2 Pole (3000/3600 RPM)								-			A			-					
4 Pole (1500/1800 RPM)								-			B			-					
6 Pole (1000/1200 RPM)								-			C			-					
8 Pole (750/900 RPM)								-			D			-					
<b>Winding Design/Voltage/Frequency</b>								-					12	-	13				
<b>Mounting</b>								-							-	14			
<b>Winding Protection</b>								-							-		15		
<b>Terminal Box Position</b>								-							-			16	
<b>With Additional Options</b>								-							-				-Z

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# General Purpose



# General Purpose

General Purpose low voltage ABB NEMA motors are designed and built to operate in a variety of commercial and industrial environments. These motors are design to meet or exceed the NEMA Premium® efficiency (MG1 Table 12.12). A wide selection of options makes them suitable for a variety of applications. The construction of these motors is backed up by its 18-month warranty.



GP100A



GP100

Product Line		GP100A	GP100
NEMA Frame	Frame size range for stock products	140-250T	140-449T
Hp	3600 RPM	1 - 20	1 - 200
	1800 RPM	1 - 20	1 - 200
	1200 RPM	1 - 20	1 - 200
	900 RPM	-	1 - 125
Voltage 60 Hz	230/460V (1 - 75HP)	S	S
	460V	S	S
	575V	S	S
Electrical Features			
Efficiency	ABB NEMA motors meet or exceed all efficiency requirements for US, Canada and Mexico regulations	S	S
Torque	NEMA Design B torques	S	S
Service factor	1.15 service factor – continuous	S	S
Temp rise	Class F insulation with Class B rise @ 1.0 service factor	S	S
Inverter	Variable Torque 20:1	S	S
	Constant Torque 4:1	S	S
Mechanical Features			
Frame	Cast iron frame	-	S
	Cast aluminum frame	S	-
Conduit box	Cast aluminum	S	-
	Stamped steel (140 - 400 frame)	-	S
	Oversized cast iron (440 frame)	-	S
IP code	IP55 ingress protection	S	S
Other Key Features			
Warranty	Warranty - in number of months from shipment	18	18

S = Standard A = Available through Mod Express® or as custom

## GP100A

### 1 thru 20 Hp

IP55

**Features**

- Class F insulation, Class B temp rise
- Bidirectional fan
- Lightweight aluminum frame construction

**Applications**

- Pumps
- Fans
- Compressors
- Conveyors

**GP100A Foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
<b>230/460 volt</b>									
1	3600	143T	<b>1LE21211AA114AA3</b>	858	13.44	37	82.5	230/460	1.4
	1800	143T	<b>1LE21211AB214AA3</b>	858	13.44	41	85.5	230/460	1.4
	1200	145T	<b>1LE21211AC314AA3</b>	1,066	13.44	46	82.5	230/460	1.6
1 1/2	3600	143T	<b>1LE21211AA214AA3</b>	880	13.44	37	84.0	230/460	2.0
	1800	145T	<b>1LE21211AB314AA3</b>	942	13.44	48	86.5	230/460	2.1
	1200	182T	<b>1LE21211CC114AA3</b>	1,140	15.74	66	87.5	230/460	2.4
2	3600	145T	<b>1LE21211AA314AA3</b>	1,022	13.44	44	85.5	230/460	2.5
	1800	145T	<b>1LE21211AB414AA3</b>	1,026	13.44	48	86.5	230/460	2.8
	1200	184T	<b>1LE21211CC314AA3</b>	1,258	15.74	75	88.5	230/460	3.2
3	3600	182T	<b>1LE21211CA114AA3</b>	1,140	15.74	57	86.5	230/460	3.8
	1800	182T	<b>1LE21211CB114AA3</b>	1,180	15.74	68	89.5	230/460	4.0
	1200	213T	<b>1LE21212AC114AA3</b>	1,618	19.15	108	89.5	230/460	4.3
5	3600	184T	<b>1LE21211CA314AA3</b>	1,482	15.74	72	88.5	230/460	6.0
	1800	184T	<b>1LE21211CB314AA3</b>	1,342	15.74	79	89.5	230/460	6.5
	1200	215T	<b>1LE21212AC214AA3</b>	2,414	19.15	121	89.5	230/460	6.7
7 1/2	900	254T	<b>1LE21212BD114AA3</b>	3,640	26.16	130	86.5	230/460	8.5
	3600	213T	<b>1LE21212AA114AA3</b>	1,938	19.15	130	89.5	230/460	8.8
	1800	213T	<b>1LE21212AB114AA3</b>	1,878	19.15	136	91.7	230/460	9.7
	1200	254T	<b>1LE21212BC114AA3</b>	3,080	26.16	200	91.0	230/460	10.0
10	900	256T	<b>1LE21212BD214AA3</b>	3,940	26.16	190	87.5	230/460	13.0
	3600	215T	<b>1LE21212AA214AA3</b>	2,284	19.15	134	90.2	230/460	11.5
	1800	215T	<b>1LE21212AB214AA3</b>	2,284	19.15	143	91.7	230/460	12.5
15	1200	256T	<b>1LE21212BC214AA3</b>	3,628	26.16	244	91.0	230/460	13.5
	3600	254T	<b>1LE21212BA114AA3</b>	2,986	26.16	218	91.0	230/460	17.5
	1800	254T	<b>1LE21212BB114AA3</b>	2,914	26.16	198	92.4	230/460	19.0
20	3600	256T	<b>1LE21212BA214AA3</b>	3,696	26.16	238	91.0	230/460	22.5
	1800	256T	<b>1LE21212BB214AA3</b>	3,510	26.16	249	93.0	230/460	25.0
<b>460 volt</b>									
5	900	254T	<b>1LE21212BD112AA3</b>	3,640	26.16	130	86.5	460	8.5
7 1/2	900	256T	<b>1LE21212BD212AA3</b>	3,860	26.16	190	87.5	460	13.0

## GP100A Foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt									
1	3600	143T	<b>1LE21211AA113AA3</b>	858	13.44	37	82.5	575	1.12
	1800	143T	<b>1LE21211AB213AA3</b>	858	13.44	41	85.5	575	1.12
	1200	145T	<b>1LE21211AC313AA3</b>	1,066	13.44	46	82.5	575	1.28
1 1/2	3600	143T	<b>1LE21211AA213AA3</b>	880	13.44	37	84.0	575	1.6
	1800	145T	<b>1LE21211AB313AA3</b>	942	13.44	48	86.5	575	1.68
	1200	182T	<b>1LE21211CC113AA3</b>	1,140	15.74	66	87.5	575	1.92
2	3600	145T	<b>1LE21211AA313AA3</b>	1,022	13.44	44	85.5	575	2.0
	1800	145T	<b>1LE21211AB413AA3</b>	1,026	13.44	48	86.5	575	2.24
	1200	184T	<b>1LE21211CC313AA3</b>	1,258	15.74	75	88.5	575	2.56
3	3600	182T	<b>1LE21211CA113AA3</b>	1,140	15.74	57	86.5	575	3.04
	1800	182T	<b>1LE21211CB113AA3</b>	1,180	15.74	68	89.5	575	3.2
	1200	213T	<b>1LE21212AC113AA3</b>	1,618	19.15	108	89.5	575	3.44
5	3600	184T	<b>1LE21211CA313AA3</b>	1,482	15.74	72	88.5	575	4.8
	1800	184T	<b>1LE21211CB313AA3</b>	1,342	15.74	79	89.5	575	5.2
	1200	215T	<b>1LE21212AC213AA3</b>	2,414	19.15	121	89.5	575	5.36
7 1/2	3600	213T	<b>1LE21212AA113AA3</b>	1,938	19.15	130	89.5	575	7.04
	1800	213T	<b>1LE21212AB113AA3</b>	1,878	19.15	136	91.7	575	7.76
	1200	254T	<b>1LE21212BC113AA3</b>	3,080	26.16	200	91.0	575	8.0
10	3600	215T	<b>1LE21212AA213AA3</b>	2,284	19.15	134	90.2	575	9.2
	1800	215T	<b>1LE21212AB213AA3</b>	2,284	19.15	143	91.7	575	10.0
	1200	256T	<b>1LE21212BC213AA3</b>	3,628	26.16	244	91.0	575	10.8
15	3600	254T	<b>1LE21212BA113AA3</b>	2,986	26.16	218	91.0	575	14.0
	1800	254T	<b>1LE21212BB113AA3</b>	2,914	26.16	198	92.4	575	15.2
20	3600	256T	<b>1LE21212BA213AA3</b>	3,696	26.16	238	91.0	575	18.0
	1800	256T	<b>1LE21212BB213AA3</b>	3,510	26.16	249	93.0	575	20.0

## GP100A, C-face foot mounted



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt									
1	3600	143TC	1LE21211AA114EA3	1,070	13.44	37	82.5	230/460	1.4
	1800	143TC	1LE21211AB214EA3	1,070	13.44	41	85.5	230/460	1.4
	1200	145TC	1LE21211AC314EA3	1,278	13.44	46	82.5	230/460	1.6
1 1/2	3600	143TC	1LE21211AA214EA3	1,092	13.44	37	84.0	230/460	2.0
	1800	145TC	1LE21211AB314EA3	1,154	13.44	48	86.5	230/460	2.1
	1200	182TC	1LE21211CC114EA3	1,448	15.74	66	87.5	230/460	2.4
2	3600	145TC	1LE21211AA314EA3	1,234	13.44	44	85.5	230/460	2.5
	1800	145TC	1LE21211AB414EA3	1,238	13.44	48	86.5	230/460	2.8
	1200	184TC	1LE21211CC314EA3	1,566	15.74	75	88.5	230/460	3.2
3	3600	182TC	1LE21211CA114EA3	1,448	15.74	59	86.5	230/460	3.8
	1800	182TC	1LE21211CB114EA3	1,488	15.74	68	89.5	230/460	4.0
	1200	213TC	1LE21212AC114EA3	1,946	19.15	108	89.5	230/460	4.3
5	3600	184TC	1LE21211CA314EA3	1,790	15.74	72	88.5	230/460	6.0
	1800	184TC	1LE21211CB314EA3	1,650	15.74	77	89.5	230/460	6.5
	1200	215TC	1LE21212AC214EA3	2,742	19.15	121	89.5	230/460	6.7
7 1/2	900	254TC	1LE21212BD114EA3	3,790	26.16	145	86.5	230/460	8.5
	3600	213TC	1LE21212AA114EA3	2,266	19.15	130	89.5	230/460	8.8
	1800	213TC	1LE21212AB114EA3	2,206	19.15	134	91.7	230/460	9.7
	1200	254TC	1LE21212BC114EA3	3,538	26.16	202	91.0	230/460	10.0
10	900	256TC	1LE21212BD214EA3	4,090	26.16	205	87.5	230/460	13.0
	3600	215TC	1LE21212AA214EA3	2,612	19.15	134	90.2	230/460	11.5
	1800	215TC	1LE21212AB214EA3	2,612	19.15	141	91.7	230/460	12.5
	1200	256TC	1LE21212BC214EA3	4,086	26.16	244	91.0	230/460	13.5
15	3600	254TC	1LE21212BA114EA3	3,444	26.16	218	91.0	230/460	17.5
	1800	254TC	1LE21212BB114EA3	3,372	26.16	198	92.4	230/460	19.0
20	3600	256TC	1LE21212BA214EA3	4,154	26.16	240	91.0	230/460	22.5
	1800	256TC	1LE21212BB214EA3	3,968	26.16	242	93.0	230/460	25.0
575 volt									
1	3600	143TC	1LE21211AA113EA3	1,070	13.44	37	82.5	575	1.12
	1800	143TC	1LE21211AB213EA3	1,070	13.44	41	85.5	575	1.12
	1200	145TC	1LE21211AC313EA3	1,278	13.44	46	82.5	575	1.28
1 1/2	3600	143TC	1LE21211AA213EA3	1,092	13.44	37	84.0	575	1.6
	1800	145TC	1LE21211AB313EA3	1,154	13.44	48	86.5	575	1.68
	1200	182TC	1LE21211CC113EA3	1,448	15.74	66	87.5	575	1.92
2	3600	145TC	1LE21211AA313EA3	1,234	13.44	44	85.5	575	2.0
	1800	145TC	1LE21211AB413EA3	1,238	13.44	48	86.5	575	2.24
	1200	184TC	1LE21211CC313EA3	1,566	15.74	75	88.5	575	2.56
3	3600	182TC	1LE21211CA113EA3	1,448	15.74	59	86.5	575	3.04
	1800	182TC	1LE21211CB113EA3	1,488	15.74	68	89.5	575	3.2
	1200	213TC	1LE21212AC113EA3	1,946	19.15	108	89.5	575	3.44
5	3600	184TC	1LE21211CA313EA3	1,790	15.74	72	88.5	575	4.8
	1800	184TC	1LE21211CB313EA3	1,650	15.74	77	89.5	575	5.2

**GP100A, C-face foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt									
5	1200	215TC	<b>1LE21212AC213EA3</b>	2,742	19.15	121	89.5	575	5.36
	3600	213TC	<b>1LE21212AA113EA3</b>	2,266	19.15	130	89.5	575	7.04
7 1/2	1800	213TC	<b>1LE21212AB113EA3</b>	2,206	19.15	134	91.7	575	7.76
	1200	254TC	<b>1LE21212BC113EA3</b>	3,538	26.16	200	91.0	575	8.0
10	3600	215TC	<b>1LE21212AA213EA3</b>	2,612	19.15	134	90.2	575	9.2
	1800	215TC	<b>1LE21212AB213EA3</b>	2,612	19.15	141	91.7	575	10.0
	1200	256TC	<b>1LE21212BC213EA3</b>	4,086	26.16	432	91.0	575	10.8
15	3600	254TC	<b>1LE21212BA113EA3</b>	3,444	26.16	432	91.0	575	14.0
	1800	254TC	<b>1LE21212BB113EA3</b>	3,372	26.16	436	92.4	575	15.2
20	3600	256TC	<b>1LE21212BA213EA3</b>	4,154	26.16	509	91.0	575	18.0
	1800	256TC	<b>1LE21212BB213EA3</b>	3,968	26.16	242	93.0	575	20.0

## GP100A, C-face footless



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt									
1	3600	143TC	<b>1LE21211AA114GA3</b>	1,038	13.44	37	82.5	230/460	1.4
	1800	143TC	<b>1LE21211AB214GA3</b>	1,038	13.44	41	85.5	230/460	1.4
	1200	145TC	<b>1LE21211AC314GA3</b>	1,246	13.44	46	82.5	230/460	1.6
1 1/2	3600	143TC	<b>1LE21211AA214GA3</b>	1,060	13.44	37	84.0	230/460	2.0
	1800	145TC	<b>1LE21211AB314GA3</b>	1,122	13.44	48	86.5	230/460	2.1
	1200	182TC	<b>1LE21211CC114GA3</b>	1,404	15.74	66	87.5	230/460	2.4
2	3600	145TC	<b>1LE21211AA314GA3</b>	1,202	13.44	44	85.5	230/460	2.5
	1800	145TC	<b>1LE21211AB414GA3</b>	1,206	13.44	48	86.5	230/460	2.8
	1200	184TC	<b>1LE21211CC314GA3</b>	1,522	15.74	75	88.5	230/460	3.2
3	3600	182TC	<b>1LE21211CA114GA3</b>	1,404	15.74	59	86.5	230/460	3.8
	1800	182TC	<b>1LE21211CB114GA3</b>	1,444	15.74	68	89.5	230/460	4.0
	1200	213TC	<b>1LE21212AC114GA3</b>	1,882	19.15	108	89.5	230/460	4.3
5	3600	184TC	<b>1LE21211CA314GA3</b>	1,746	15.74	72	88.5	230/460	6.0
	1800	184TC	<b>1LE21211CB314GA3</b>	1,606	15.74	77	89.5	230/460	6.5
	1200	215TC	<b>1LE21212AC214GA3</b>	2,678	19.15	121	89.5	230/460	6.7
	900	254TC	<b>1LE21212BD114GA3</b>	3,740	26.16	140	86.5	230/460	8.5
		254TCV	<b>1LE21212BD114LA3</b>	3,780	28.31	142	86.5	230/460	8.5
7 1/2	3600	213TC	<b>1LE21212AA114GA3</b>	2,202	19.15	130	89.5	230/460	8.8
	1800	213TC	<b>1LE21212AB114GA3</b>	2,142	19.15	134	91.7	230/460	9.7
	1200	254TC	<b>1LE21212BC114GA3</b>	3,440	26.16	202	91.0	230/460	10.0
	900	256TC	<b>1LE21212BD214GA3</b>	4,040	26.16	200	87.5	230/460	13.0
		256TCV	<b>1LE21212BD214LA3</b>	4,080	28.31	202	87.5	230/460	13.0
10	3600	215TC	<b>1LE21212AA214GA3</b>	2,548	19.15	134	90.2	230/460	11.5
	1800	215TC	<b>1LE21212AB214GA3</b>	2,548	19.15	141	91.7	230/460	12.5
	1200	256TC	<b>1LE21212BC214GA3</b>	3,988	26.16	244	91.0	230/460	13.5
15	3600	254TC	<b>1LE21212BA114GA3</b>	3,346	26.16	218	91.0	230/460	17.5
	1800	254TC	<b>1LE21212BB114GA3</b>	3,274	26.16	198	92.4	230/460	19.0
20	3600	256TC	<b>1LE21212BA214GA3</b>	4,056	26.16	240	91.0	230/460	22.5
	1800	256TC	<b>1LE21212BB214GA3</b>	3,870	26.16	242	93.0	230/460	25.0
575 volt									
1	3600	143TC	<b>1LE21211AA113GA3</b>	1,038	13.44	37	82.5	575	1.12
	1800	143TC	<b>1LE21211AB213GA3</b>	1,038	13.44	41	85.5	575	1.12
	1200	145TC	<b>1LE21211AC313GA3</b>	1,246	13.44	46	82.5	575	1.28
1 1/2	3600	143TC	<b>1LE21211AA213GA3</b>	1,060	13.44	37	84.0	575	1.6
	1800	145TC	<b>1LE21211AB313GA3</b>	1,122	13.44	48	86.5	575	1.68
	1200	182TC	<b>1LE21211CC113GA3</b>	1,404	15.74	66	87.5	575	1.92
2	3600	145TC	<b>1LE21211AA313GA3</b>	1,202	13.44	44	85.5	575	2.0
	1800	145TC	<b>1LE21211AB413GA3</b>	1,206	13.44	46	86.5	575	2.24
	1200	184TC	<b>1LE21211CC313GA3</b>	1,522	15.74	75	88.5	575	2.56
3	3600	182TC	<b>1LE21211CA113GA3</b>	1,404	15.74	59	86.5	575	3.04
	1800	182TC	<b>1LE21211CB113GA3</b>	1,444	15.74	68	89.5	575	3.2
	1200	213TC	<b>1LE21212AC113GA3</b>	1,882	19.15	108	89.5	575	3.44

**GP100A, C-face footless**

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt									
5	3600	184TC	<b>1LE21211CA313GA3</b>	1,746	15.74	72	88.5	575	4.8
	1800	184TC	<b>1LE21211CB313GA3</b>	1,606	15.74	77	89.5	575	5.2
	1200	215TC	<b>1LE21212AC213GA3</b>	2,678	19.15	121	89.5	575	5.36
7 1/2	3600	213TC	<b>1LE21212AA113GA3</b>	2,202	19.15	130	89.5	575	7.04
	1800	213TC	<b>1LE21212AB113GA3</b>	2,142	19.15	134	91.7	575	7.76
	1200	254TC	<b>1LE21212BC113GA3</b>	3,440	26.16	440	91.0	575	8.0
10	3600	215TC	<b>1LE21212AA213GA3</b>	2,548	19.15	134	90.2	575	9.2
	1800	215TC	<b>1LE21212AB213GA3</b>	2,548	19.15	141	91.7	575	10.0
	1200	256TC	<b>1LE21212BC213GA3</b>	3,988	26.16	432	91.0	575	10.8
15	3600	254TC	<b>1LE21212BA113GA3</b>	3,346	26.16	432	91.0	575	14.0
	1800	254TC	<b>1LE21212BB113GA3</b>	3,274	26.16	198	92.4	575	15.2
20	3600	256TC	<b>1LE21212BA213GA3</b>	4,056	26.16	509	91.0	575	18.0
	1800	256TC	<b>1LE21212BB213GA3</b>	3,870	26.16	504	93.0	575	20.0

**GP100****1 thru 200 Hp****Features**

- Class F insulation, Class B temp rise
- Suitable for inverter use per NEMA MG1 Part 31.4.4.2
- NEMA Premium efficient
- Robust cast iron frame design
- Bidirectional fan

**Applications**

- Pumps
- Fans
- Compressors

**IP54  
(280  
and up)****IP55  
(140-  
250)****GP100, Foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt									
1	3600	143T	<b>1LE22211AA114AA3</b>	908	13.44	66	82.5	230/460	1.4
	1800	143T	<b>1LE22211AB214AA3</b>	908	13.44	61	85.5	230/460	1.4
	1200	145T	<b>1LE22211AC314AA3</b>	1,126	13.44	66	82.5	230/460	1.6
	900	182T	<b>1LE22211CD114AA3</b>	1,364	15.74	86	81.5	230/460	2.1
1 1/2	3600	143T	<b>1LE22211AA214AA3</b>	932	13.44	66	84.0	230/460	2.0
	1800	145T	<b>1LE22211AB314AA3</b>	1,000	13.44	66	86.5	230/460	2.1
	1200	182T	<b>1LE22211CC114AA3</b>	1,204	15.74	97	87.5	230/460	2.4
	900	184T	<b>1LE22211CD314AA3</b>	1,482	15.74	99	82.5	230/460	3.0
2	3600	145T	<b>1LE22211AA314AA3</b>	1,080	13.44	61	85.5	230/460	2.5
	1800	145T	<b>1LE22211AB414AA3</b>	1,084	13.44	66	86.5	230/460	2.8
	1200	184T	<b>1LE22211CC314AA3</b>	1,332	15.74	108	88.5	230/460	3.2
	900	213T	<b>1LE22212AD114AA3</b>	1,704	19.15	121	84.0	230/460	3.3
3	3600	182T	<b>1LE22211CA114AA3</b>	1,204	15.74	86	86.5	230/460	3.8
	1800	182T	<b>1LE22211CB114AA3</b>	1,246	15.74	105	89.5	230/460	4.0
	1200	213T	<b>1LE22212AC114AA3</b>	1,714	19.15	145	89.5	230/460	4.3
	900	215T	<b>1LE22212AD214AA3</b>	2,444	19.15	138	85.5	230/460	4.8
5	3600	184T	<b>1LE22211CA314AA3</b>	1,568	15.74	99	88.5	230/460	6.0
	1800	184T	<b>1LE22211CB314AA3</b>	1,418	15.74	103	89.5	230/460	6.5
	1200	215T	<b>1LE22212AC214AA3</b>	2,554	19.15	158	89.5	230/460	6.7
	900	254T	<b>1LE22212BD114AA3</b>	3,548	26.16	216	86.5	230/460	8.5
7 1/2	3600	213T	<b>1LE22212AA114AA3</b>	2,050	19.15	160	89.5	230/460	8.8
	1800	213T	<b>1LE22212AB114AA3</b>	1,988	19.15	169	91.7	230/460	9.7
	1200	254T	<b>1LE22212BC114AA3</b>	3,260	26.16	257	91.0	230/460	10.0
	900	256T	<b>1LE22212BD214AA3</b>	3,574	26.16	249	87.5	230/460	13.0
10	3600	215T	<b>1LE22212AA214AA3</b>	2,418	19.15	130	90.2	230/460	11.5
	1800	215T	<b>1LE22212AB214AA3</b>	2,418	19.15	174	91.7	230/460	12.5
	1200	256T	<b>1LE22212BC214AA3</b>	3,836	26.16	257	91.0	230/460	13.5

Cast iron frame

**GP100, Foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
<b>230/460 volt</b>									
10	900	284T	<b>1LE22212CD116AA3</b>	5,138	29.38	416	90.2	230/460	17.0
	3600	254T	<b>1LE22212BA114AA3</b>	3,162	26.16	275	91.0	230/460	17.5
15	1800	254T	<b>1LE22212BB114AA3</b>	3,084	26.16	235	92.4	230/460	19.0
	1200	284T	<b>1LE22212CC116AA3</b>	5,020	29.38	410	91.7	230/460	21.0
	900	286T	<b>1LE22212CD216AA3</b>	6,102	29.38	449	90.2	230/460	26.0
20	3600	256T	<b>1LE22212BA214AA3</b>	3,910	26.16	302	91.0	230/460	22.5
	1800	256T	<b>1LE22212BB214AA3</b>	3,714	26.16	286	93.0	230/460	25.0
	1200	286T	<b>1LE22212CC216AA3</b>	5,912	29.38	432	91.7	230/460	27.0
	900	324T	<b>1LE22213AD116AA3</b>	7,328	32.07	617	91.0	230/460	31.0
25	3600	284TS	<b>1LE22212DA116AA3</b>	4,536	28.00	460	91.7	230/460	29.0
	1800	284T	<b>1LE22212CB116AA3</b>	4,328	29.38	440	93.6	230/460	30.0
	1200	324T	<b>1LE22213AC116AA3</b>	7,130	32.07	634	93.0	230/460	33.0
	900	326T	<b>1LE22213AD216AA3</b>	8,484	32.07	663	90.2	230/460	40.0
30	3600	286TS	<b>1LE22212DA216AA3</b>	5,502	28.00	423	91.7	230/460	34.0
	1800	286T	<b>1LE22212CB216AA3</b>	5,232	29.38	454	93.6	230/460	35.0
	1200	326T	<b>1LE22213AC216AA3</b>	8,774	32.07	659	93.0	230/460	39.0
	900	364T	<b>1LE22213CD116AA3</b>	10,898	35.53	855	91.7	230/460	41.0
40	3600	324TS	<b>1LE22213BA116AA3</b>	7,358	30.57	608	93.6	230/460	45.0
	1800	324T	<b>1LE22213AB116AA3</b>	7,044	32.07	634	94.1	230/460	46.0
	1200	364T	<b>1LE22213CC116AA3</b>	12,064	35.53	828	94.1	230/460	49.0
	900	365T	<b>1LE22213CD216AA3</b>	12,872	35.53	950	91.7	230/460	55.0
50	3600	326TS	<b>1LE22213BA216AA3</b>	9,742	30.57	571	93.6	230/460	55.0
	1800	326T	<b>1LE22213AB216AA3</b>	8,856	32.07	690	94.5	230/460	58.0
	1200	365T	<b>1LE22213CC216AA3</b>	14,176	35.53	864	94.1	230/460	62.0
60	3600	364TS	<b>1LE22213DA116AA3</b>	11,350	33.40	780	93.6	230/460	68.0
	1800	364T	<b>1LE22213CB116AA3</b>	11,250	35.53	875	95.0	230/460	68.0
	1200	404T	<b>1LE22214AC116AA3</b>	14,708	39.50	1047	94.5	230/460	74.0
75	3600	365TS	<b>1LE22213DA216AA3</b>	14,182	33.40	888	94.1	230/460	86.0
	1800	365T	<b>1LE22213CB216AA3</b>	14,192	35.53	950	95.4	230/460	85.0
	1200	405T	<b>1LE22214AC216AA3</b>	17,230	39.50	1201	94.5	230/460	93.0
<b>460 volt</b>									
100	3600	405TS	<b>1LE22214BA212AA3</b>	20,694	36.50	1078	94.1	460	108.0
	1800	405T	<b>1LE22214AB212AA3</b>	19,094	39.50	1102	95.4	460	113.0
		405TS	<b>1LE22214BB212AA3</b>	19,094	36.50	1106	95.4	460	113.0
	1200	444T	<b>1LE22214CC112AA3</b>	26,858	45.60	1545	95.0	460	117.0
		444TS	<b>1LE22214DC112AA3</b>	25,642	41.80	1466	95.0	460	117.0
125	3600	444TS	<b>1LE22214DA112AA3</b>	25,662	41.80	1386	95.0	460	138.0
	1800	444T	<b>1LE22214CB112AA3</b>	25,064	45.60	1598	95.4	460	143.0
		444TS	<b>1LE22214DB112AA3</b>	23,848	41.80	1527	95.4	460	115.0
		B444T	<b>1LE22214EB112AA3</b>	23,848	45.60	1576	95.4	460	143.0
	1200	445T	<b>1LE22214CC212AA3</b>	31,100	45.60	1746	95.0	460	144.0
		445TS	<b>1LE22214DC212AA3</b>	29,884	41.80	1646	95.0	460	144.0
B445T		<b>1LE22214EC212AA3</b>	29,884	45.60	1726	95.0	460	144.0	
150	3600	445TS	<b>1LE22214DA212AA3</b>	31,934	41.80	1582	95.0	460	164.0
	1800	445T	<b>1LE22214CB212AA3</b>	29,934	45.60	1792	95.8	460	164.8
		445TS	<b>1LE22214DB212AA3</b>	28,718	41.80	1638	95.8	460	170.0
		B445T	<b>1LE22214EB212AA3</b>	28,718	45.60	1774	95.8	460	164.8

Cast iron frame

**GP100, Foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
<b>460 volt</b>									
150	1200	447T	<b>1LE22214CC312AA3</b>	35,850	49.10	1993	95.8	460	172.0
		447TS	<b>1LE22214DC312AA3</b>	34,634	45.40	1896	95.8	460	172.0
		B447T	<b>1LE22214EC312AA3</b>	34,634	49.10	1973	95.8	460	172.0
200	3600	447TS	<b>1LE22214DA312AA3</b>	44,478	45.40	2006	95.4	460	216.0
		447T	<b>1LE22214CB312AA3</b>	39,676	49.10	2138	96.2	460	201.6
	1800	447TS	<b>1LE22214DB312AA3</b>	38,460	45.40	2182	96.2	460	228.0
		B447T	<b>1LE22214EB312AA3</b>	38,460	49.10	2138	96.2	460	201.6
		449T	<b>1LE22214CC512AA3</b>	47,896	54.10	2392	95.8	460	227.0
	1200	449TS	<b>1LE22214DC512AA3</b>	46,680	50.30	2239	95.8	460	227.0
		B449T	<b>1LE22214EC512AA3</b>	46,680	54.10	2363	95.8	460	227.0
<b>575 volt</b>									
1	3600	143T	<b>1LE22211AA113AA3</b>	908	13.44	66	82.5	575	1.12
	1800	143T	<b>1LE22211AB213AA3</b>	908	13.44	61	85.5	575	1.12
	1200	145T	<b>1LE22211AC313AA3</b>	1,126	13.44	66	82.5	575	1.28
	900	182T	<b>1LE22211CD113AA3</b>	1,364	15.74	86	81.5	575	1.68
1 1/2	3600	143T	<b>1LE22211AA213AA3</b>	932	13.44	66	84.0	575	1.6
	1800	145T	<b>1LE22211AB313AA3</b>	1,000	13.44	66	86.5	575	1.68
	1200	182T	<b>1LE22211CC113AA3</b>	1,204	15.74	97	87.5	575	1.92
	900	184T	<b>1LE22211CD313AA3</b>	1,482	15.74	99	82.5	575	2.4
2	3600	145T	<b>1LE22211AA313AA3</b>	1,080	13.44	61	85.5	575	2.0
	1800	145T	<b>1LE22211AB413AA3</b>	1,084	13.44	66	86.5	575	2.24
	1200	184T	<b>1LE22211CC313AA3</b>	1,332	15.74	108	88.5	575	2.56
	900	213T	<b>1LE22212AD113AA3</b>	1,704	19.15	121	84.0	575	2.64
3	3600	182T	<b>1LE22211CA113AA3</b>	1,204	15.74	86	86.5	575	3.04
	1800	182T	<b>1LE22211CB113AA3</b>	1,246	15.74	105	89.5	575	3.2
	1200	213T	<b>1LE22212AC113AA3</b>	1,714	19.15	145	89.5	575	3.44
	900	215T	<b>1LE22212AD213AA3</b>	2,444	19.15	138	85.5	575	3.84
5	3600	184T	<b>1LE22211CA313AA3</b>	1,568	15.74	99	88.5	575	4.8
	1800	184T	<b>1LE22211CB313AA3</b>	1,418	15.74	103	89.5	575	5.2
	1200	215T	<b>1LE22212AC213AA3</b>	2,554	19.15	158	89.5	575	5.36
	900	254T	<b>1LE22212BD113AA3</b>	3,548	26.16	216	86.5	575	6.8
7 1/2	3600	213T	<b>1LE22212AA113AA3</b>	2,050	19.15	160	89.5	575	7.04
	1800	213T	<b>1LE22212AB113AA3</b>	1,988	19.15	169	91.7	575	7.76
	1200	254T	<b>1LE22212BC113AA3</b>	3,260	26.16	257	91.0	575	8.0
	900	256T	<b>1LE22212BD213AA3</b>	3,574	26.16	249	87.5	575	10.4
10	3600	215T	<b>1LE22212AA213AA3</b>	2,418	19.15	185	90.2	575	9.2
	1800	215T	<b>1LE22212AB213AA3</b>	2,418	19.15	174	91.7	575	10.0
	1200	256T	<b>1LE22212BC213AA3</b>	3,836	26.16	257	91.0	575	10.8
	900	284T	<b>1LE22212CD113AA3</b>	5,138	29.38	416	90.2	575	13.6
15	3600	254T	<b>1LE22212BA113AA3</b>	3,162	26.16	275	91.0	575	14.0
	1800	254T	<b>1LE22212BB113AA3</b>	3,084	26.16	235	92.4	575	15.2
	1200	284T	<b>1LE22212CC113AA3</b>	5,020	29.38	410	91.7	575	16.8
	900	286T	<b>1LE22212CD213AA3</b>	6,102	29.38	449	90.2	575	21.0
20	3600	256T	<b>1LE22212BA213AA3</b>	3,910	26.16	302	91.0	575	18.0
	1800	256T	<b>1LE22212BB213AA3</b>	3,714	26.16	286	93.0	575	20.0
	1200	286T	<b>1LE22212CC213AA3</b>	5,912	29.38	432	91.7	575	21.6
	900	324T	<b>1LE22213AD113AA3</b>	7,328	32.07	617	91.0	575	25.0

Cast iron frame

TOC  
INFO  
GP  
SD  
XP  
PUMP  
VHS  
PARTS  
MODX

**GP100, Foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt									
25	3600	284TS	1LE22212DA113AA3	4,536	28.00	460	91.7	575	23.2
	1800	284T	1LE22212CB113AA3	4,328	29.38	440	93.6	575	24.0
	1200	324T	1LE22213AC113AA3	7,130	32.07	634	93.0	575	26.4
	900	326T	1LE22213AD213AA3	8,484	32.07	663	90.2	575	32.0
30	3600	286TS	1LE22212DA213AA3	5,502	28.00	423	91.7	575	27.2
	1800	286T	1LE22212CB213AA3	5,232	29.38	454	93.6	575	28.0
	1200	326T	1LE22213AC213AA3	8,774	32.07	659	93.0	575	31.2
	900	364T	1LE22213CD113AA3	10,898	35.53	855	91.7	575	33.0
40	3600	324TS	1LE22213BA113AA3	7,358	30.57	608	93.6	575	36.0
	1800	324T	1LE22213AB113AA3	7,044	32.07	634	94.1	575	36.8
	1200	364T	1LE22213CC113AA3	12,064	35.53	828	94.1	575	39.2
	900	365T	1LE22213CD213AA3	12,872	35.53	950	91.7	575	44.0
50	3600	326TS	1LE22213BA213AA3	9,742	30.57	571	93.6	575	44.0
	1800	326T	1LE22213AB213AA3	8,856	32.07	690	94.5	575	46.4
	1200	365T	1LE22213CC213AA3	14,176	35.53	864	94.1	575	49.6
60	3600	364TS	1LE22213DA113AA3	11,350	33.40	780	93.6	575	54.4
	1800	364T	1LE22213CB113AA3	11,250	35.53	875	95.0	575	54.4
	1200	404T	1LE22214AC113AA3	14,708	39.50	1047	94.5	575	59.2
75	3600	365TS	1LE22213DA213AA3	14,182	33.40	888	94.1	575	68.8
	1800	365T	1LE22213CB213AA3	14,192	35.53	950	95.4	575	68.0
	1200	405T	1LE22214AC213AA3	17,230	39.50	1201	94.5	575	74.4
100	3600	405TS	1LE22214BA213AA3	20,694	36.50	1078	94.1	575	86.4
	1800	405T	1LE22214AB213AA3	19,094	39.50	1102	95.4	575	90.4
	1200	444T	1LE22214CC113AA3	26,858	45.60	1545	95.0	575	93.6
125	3600	444TS	1LE22214DA113AA3	25,662	41.80	1382	95.0	575	110.4
	1800	444T	1LE22214CB113AA3	25,064	45.60	1598	95.4	575	114.4
		444TS	1LE22214DB113AA3	23,848	41.80	1527	95.4	575	92.0
		B444T	1LE22214EB113AA3	23,848	45.60	1576	95.4	575	114.4
	1200	445T	1LE22214CC213AA3	31,100	45.60	1746	95.0	575	115.2
		445TS	1LE22214DC213AA3	29,884	41.80	1646	95.0	575	115.2
B445T		1LE22214EC213AA3	29,884	45.60	1726	95.0	575	115.2	
150	3600	445TS	1LE22214DA213AA3	31,934	41.80	1582	95.0	575	131.2
	1800	445T	1LE22214CB213AA3	29,934	45.60	1792	95.8	575	136.0
		445TS	1LE22214DB213AA3	28,718	41.80	1638	95.8	575	136.0
		B445T	1LE22214EB213AA3	28,718	45.60	1774	95.8	575	136.0
	1200	447T	1LE22214CC313AA3	35,850	49.10	1993	95.8	575	137.6
		447TS	1LE22214DC313AA3	34,634	45.40	1896	95.8	575	137.6
		B447T	1LE22214EC313AA3	34,634	49.10	1973	95.8	575	137.6
200	3600	447TS	1LE22214DA313AA3	44,478	45.40	2006	95.4	575	172.8
	1800	447T	1LE22214CB313AA3	39,676	49.10	2138	96.2	575	182.4
		447TS	1LE22214DB313AA3	38,460	45.40	2182	96.2	575	182.4
		B447T	1LE22214EB313AA3	38,460	49.10	2138	96.2	575	182.4
	1200	449T	1LE22214CC513AA3	47,896	54.10	2392	95.8	575	181.6
		449TS	1LE22214DC513AA3	46,680	50.30	2239	95.8	575	181.6
B449T		1LE22214EC513AA3	46,680	54.10	2363	95.8	575	181.6	

Cast iron frame

## GP100, C-face foot mounted



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt									
1	3600	143TC	1LE22211AA114EA3	1,120	13.44	66	82.5	230/460	1.4
	1800	143TC	1LE22211AB214EA3	1,120	13.44	63	85.5	230/460	1.4
	1200	145TC	1LE22211AC314EA3	1,338	13.44	66	82.5	230/460	1.6
	900	182TC	1LE22211CD114EA3	1,672	15.74	86	81.5	230/460	2.1
1 1/2	3600	143TC	1LE22211AA214EA3	1,144	13.44	66	84.0	230/460	2.0
	1800	145TC	1LE22211AB314EA3	1,212	13.44	66	86.5	230/460	2.1
	1200	182TC	1LE22211CC114EA3	1,512	15.74	97	87.5	230/460	2.4
	900	184TC	1LE22211CD314EA3	1,790	15.74	99	82.5	230/460	3.0
2	3600	145TC	1LE22211AA314EA3	1,292	13.44	61	85.5	230/460	2.5
	1800	145TC	1LE22211AB414EA3	1,296	13.44	66	86.5	230/460	2.8
	1200	184TC	1LE22211CC314EA3	1,640	15.74	103	88.5	230/460	3.2
	900	213TC	1LE22212AD114EA3	2,032	19.15	121	84.0	230/460	3.3
3	3600	182TC	1LE22211CA114EA3	1,512	15.74	86	86.5	230/460	3.8
	1800	182TC	1LE22211CB114EA3	1,554	15.74	103	89.5	230/460	4.0
	1200	213TC	1LE22212AC114EA3	2,042	19.15	147	89.5	230/460	4.3
	900	215TC	1LE22212AD214EA3	2,772	19.15	138	85.5	230/460	4.8
5	3600	184TC	1LE22211CA314EA3	1,876	15.74	101	88.5	230/460	6.0
	1800	184TC	1LE22211CB314EA3	1,726	15.74	103	89.5	230/460	6.5
	1200	215TC	1LE22212AC214EA3	2,882	19.15	158	89.5	230/460	6.7
	900	254TC	1LE22212BD114EA3	4,006	26.16	218	86.5	230/460	8.5
7 1/2	3600	213TC	1LE22212AA114EA3	2,378	19.15	163	89.5	230/460	8.8
	1800	213TC	1LE22212AB114EA3	2,316	19.15	169	91.7	230/460	9.7
	1200	254TC	1LE22212BC114EA3	3,718	26.16	291	91.0	230/460	10.0
	900	256TC	1LE22212BD214EA3	4,032	26.16	249	87.5	230/460	13.0
10	3600	215TC	1LE22212AA214EA3	2,746	19.15	185	90.2	230/460	11.5
	1800	215TC	1LE22212AB214EA3	2,746	19.15	174	91.7	230/460	12.5
	1200	256TC	1LE22212BC214EA3	4,294	26.16	306	91.0	230/460	13.5
15	3600	254TC	1LE22212BA114EA3	3,620	26.16	280	91.0	230/460	17.5
	1800	254TC	1LE22212BB114EA3	3,542	26.16	264	92.4	230/460	19.0
20	3600	256TC	1LE22212BA214EA3	4,368	26.16	302	91.0	230/460	22.5
	1800	256TC	1LE22212BB214EA3	4,172	26.16	286	93.0	230/460	25.0
575 volt									
1	3600	143TC	1LE22211AA113EA3	1,120	13.44	66	82.5	575	1.12
	1800	143TC	1LE22211AB213EA3	1,120	13.44	63	85.5	575	1.12
	1200	145TC	1LE22211AC313EA3	1,338	13.44	66	82.5	575	1.28
	900	182TC	1LE22211CD113EA3	1,672	15.74	190	81.5	575	1.68
1 1/2	3600	143TC	1LE22211AA213EA3	1,144	13.44	66	84.0	575	1.6
	1800	145TC	1LE22211AB313EA3	1,212	13.44	66	86.5	575	1.68
	1200	182TC	1LE22211CC113EA3	1,512	15.74	94	87.5	575	1.92
	900	184TC	1LE22211CD313EA3	1,790	15.74	218	82.5	575	2.4
2	3600	145TC	1LE22211AA313EA3	1,292	13.44	61	85.5	575	2.0

Cast iron frame

## GP100, C-face foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt									
2	1800	145TC	<b>1LE22211AB413EA3</b>	1,296	13.44	66	86.5	575	2.24
	1200	184TC	<b>1LE22211CC313EA3</b>	1,640	15.74	103	88.5	575	2.56
	900	213TC	<b>1LE22212AD113EA3</b>	2,032	19.15	271	84.0	575	2.64
3	3600	182TC	<b>1LE22211CA113EA3</b>	1,512	15.74	86	86.5	575	3.04
	1800	182TC	<b>1LE22211CB113EA3</b>	1,554	15.74	103	89.5	575	3.2
	1200	213TC	<b>1LE22212AC113EA3</b>	2,042	19.15	147	89.5	575	3.44
	900	215TC	<b>1LE22212AD213EA3</b>	2,772	19.15	304	85.5	575	3.84
5	3600	184TC	<b>1LE22211CA313EA3</b>	1,876	15.74	101	88.5	575	4.8
	1800	184TC	<b>1LE22211CB313EA3</b>	1,726	15.74	103	89.5	575	5.2
	1200	215TC	<b>1LE22212AC213EA3</b>	2,882	19.15	158	89.5	575	5.36
	900	254TC	<b>1LE22212BD113EA3</b>	4,006	26.16	480	86.5	575	6.8
7 1/2	3600	213TC	<b>1LE22212AA113EA3</b>	2,378	19.15	163	89.5	575	7.04
	1800	213TC	<b>1LE22212AB113EA3</b>	2,316	19.15	169	91.7	575	7.76
	1200	254TC	<b>1LE22212BC113EA3</b>	3,718	26.16	577	91.0	575	8.0
	900	256TC	<b>1LE22212BD213EA3</b>	4,032	26.16	550	87.5	575	10.4
10	3600	215TC	<b>1LE22212AA213EA3</b>	2,746	19.15	185	90.2	575	9.2
	1800	215TC	<b>1LE22212AB213EA3</b>	2,746	19.15	174	91.7	575	10.0
	1200	256TC	<b>1LE22212BC213EA3</b>	4,294	26.16	570	91.0	575	10.8
15	3600	254TC	<b>1LE22212BA113EA3</b>	3,620	26.16	257	91.0	575	14.0
	1800	254TC	<b>1LE22212BB113EA3</b>	3,542	26.16	570	92.4	575	15.2
20	3600	256TC	<b>1LE22212BA213EA3</b>	4,368	26.16	645	91.0	575	18.0
	1800	256TC	<b>1LE22212BB213EA3</b>	4,172	26.16	286	93.0	575	20.0

Cast iron frame

## GP100, C-face footless



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt									
1	3600	143TC	1LE22211AA114GA3	1,088	13.44	66	82.5	230/460	1.4
	1800	143TC	1LE22211AB214GA3	1,088	13.44	63	85.5	230/460	1.4
	1200	145TC	1LE22211AC314GA3	1,306	13.44	66	82.5	230/460	1.6
	900	182TC	1LE22211CD114GA3	1,628	15.74	86	81.5	230/460	2.1
1 1/2	3600	143TC	1LE22211AA214GA3	1,112	13.44	66	84.0	230/460	2.0
	1800	145TC	1LE22211AB314GA3	1,180	13.44	66	86.5	230/460	2.1
	1200	182TC	1LE22211CC114GA3	1,468	15.74	94	87.5	230/460	2.4
	900	184TC	1LE22211CD314GA3	1,746	15.74	99	82.5	230/460	3.0
2	3600	145TC	1LE22211AA314GA3	1,260	13.44	61	85.5	230/460	2.5
	1800	145TC	1LE22211AB414GA3	1,264	13.44	66	86.5	230/460	2.8
	1200	184TC	1LE22211CC314GA3	1,596	15.74	103	88.5	230/460	3.2
	900	213TC	1LE22212AD114GA3	1,968	19.15	121	84.0	230/460	3.3
3	3600	182TC	1LE22211CA114GA3	1,468	15.74	86	86.5	230/460	3.8
	1800	182TC	1LE22211CB114GA3	1,510	15.74	103	89.5	230/460	4.0
	1200	213TC	1LE22212AC114GA3	1,978	19.15	147	89.5	230/460	4.3
	900	215TC	1LE22212AD214GA3	2,708	19.15	138	85.5	230/460	4.8
5	3600	184TC	1LE22211CA314GA3	1,832	15.74	101	88.5	230/460	6.0
	1800	184TC	1LE22211CB314GA3	1,682	15.74	103	89.5	230/460	6.5
	1200	215TC	1LE22212AC214GA3	2,818	19.15	158	89.5	230/460	6.7
	900	254TC	1LE22212BD114GA3	3,908	26.16	218	86.5	230/460	8.5
7 1/2	3600	213TC	1LE22212AA114GA3	2,314	19.15	163	89.5	230/460	8.8
	1800	213TC	1LE22212AB114GA3	2,252	19.15	169	91.7	230/460	9.7
	1200	254TC	1LE22212BC114GA3	3,620	26.16	291	91.0	230/460	10.0
	900	256TC	1LE22212BD214GA3	3,934	26.16	249	87.5	230/460	13.0
10	3600	215TC	1LE22212AA214GA3	2,682	19.15	185	90.2	230/460	11.5
	1800	215TC	1LE22212AB214GA3	2,682	19.15	174	91.7	230/460	12.5
	1200	256TC	1LE22212BC214GA3	4,196	26.16	306	91.0	230/460	13.5
15	3600	254TC	1LE22212BA114GA3	3,522	26.16	280	91.0	230/460	17.5
	1800	254TC	1LE22212BB114GA3	3,444	26.16	264	92.4	230/460	19.0
20	3600	256TC	1LE22212BA214GA3	4,270	26.16	302	91.0	230/460	22.5
	1800	256TC	1LE22212BB214GA3	4,074	26.16	286	93.0	230/460	25.0
575 volt									
1	3600	143TC	1LE22211AA113GA3	1,088	13.44	66	82.5	575	1.12
	1800	143TC	1LE22211AB213GA3	1,088	13.44	63	85.5	575	1.12
	1200	145TC	1LE22211AC313GA3	1,306	13.44	66	82.5	575	1.28
	900	182TC	1LE22211CD113GA3	1,628	15.74	86	81.5	575	1.68
1 1/2	3600	143TC	1LE22211AA213GA3	1,112	13.44	66	84.0	575	1.6
	1800	145TC	1LE22211AB313GA3	1,180	13.44	66	86.5	575	1.68
	1200	182TC	1LE22211CC113GA3	1,468	15.74	94	87.5	575	1.92
	900	184TC	1LE22211CD313GA3	1,746	15.74	99	82.5	575	2.4
2	3600	145TC	1LE22211AA313GA3	1,260	13.44	61	85.5	575	2.0

Cast iron frame

## GP100, C-face footless

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt									
2	1800	145TC	<b>1LE22211AB413GA3</b>	1,264	13.44	66	86.5	575	2.24
	1200	184TC	<b>1LE22211CC313GA3</b>	1,596	15.74	103	88.5	575	2.56
	900	213TC	<b>1LE22212AD113GA3</b>	1,968	19.15	271	84.0	575	2.64
3	3600	182TC	<b>1LE22211CA113GA3</b>	1,468	15.74	86	86.5	575	3.04
	1800	182TC	<b>1LE22211CB113GA3</b>	1,510	15.74	103	89.5	575	3.2
	1200	213TC	<b>1LE22212AC113GA3</b>	1,978	19.15	147	89.5	575	3.44
	900	215TC	<b>1LE22212AD213GA3</b>	2,708	19.15	304	85.5	575	3.84
5	3600	184TC	<b>1LE22211CA313GA3</b>	1,832	15.74	101	88.5	575	4.8
	1800	184TC	<b>1LE22211CB313GA3</b>	1,682	15.74	103	89.5	575	5.2
	1200	215TC	<b>1LE22212AC213GA3</b>	2,818	19.15	158	89.5	575	5.36
	900	254TC	<b>1LE22212BD113GA3</b>	3,908	26.16	480	86.5	575	6.8
7 1/2	3600	213TC	<b>1LE22212AA113GA3</b>	2,314	19.15	163	89.5	575	7.04
	1800	213TC	<b>1LE22212AB113GA3</b>	2,252	19.15	169	91.7	575	7.76
	1200	254TC	<b>1LE22212BC113GA3</b>	3,620	26.16	577	91.0	575	8.0
	900	256TC	<b>1LE22212BD213GA3</b>	3,934	26.16	550	87.5	575	10.4
10	3600	215TC	<b>1LE22212AA213GA3</b>	2,682	19.15	185	90.2	575	9.2
	1800	215TC	<b>1LE22212AB213GA3</b>	2,682	19.15	174	91.7	575	10.0
	1200	256TC	<b>1LE22212BC213GA3</b>	4,196	26.16	570	91.0	575	10.8
15	3600	254TC	<b>1LE22212BA113GA3</b>	3,522	26.16	568	91.0	575	14.0
	1800	254TC	<b>1LE22212BB113GA3</b>	3,444	26.16	264	92.4	575	15.2
20	3600	256TC	<b>1LE22212BA213GA3</b>	4,270	26.16	302	91.0	575	18.0
	1800	256TC	<b>1LE22212BB213GA3</b>	4,074	26.16	286	93.0	575	20.0

Cast iron frame

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# Severe Duty



TOC

INFO

GP

**SD**

XP

PUMP

VHS

PARTS

MODX

# Severe Duty

ABB NEAM Next Generation Severe Duty low voltage NEMA motors are designed and built to operate under the harshest environments in the industry, including but not limited to petrochemical, pulp and paper mills and waste-water treatment. These motors are designed to meet or exceed NEMA Premium® efficiency, also available in NEMA Super Premium® efficiency as well as the most stringent industry standards of IEEE 841. Built for long, trouble-free life.



SD100



SD200



SD100 IEEE841



SD200 841



SD661



SD10 MS - Two speed motors



DP200 Crush+

Product Line		SD100	SD200	SD100 IIEEE841	SD200 841	SD661	DP200 Crush+
NEMA Frame	Frame size range for stock products	143T-405T	444T-5013	143T-405T	444T-L449T	182T-365T	444T-5812
Hp	3600 RPM	1 - 100	125 - 800	1 - 100	125 - 400	-	-
	1800 RPM	1 - 100	125 - 800	1 - 100	125 - 400	5 - 75	125 - 600
	1200 RPM	1 - 75	100 - 600	1 - 75	100 - 300	7 1/2 - 50	100 - 600
	900 RPM	1 - 60	75 - 250	1 - 60	75 - 250	-	-
Voltage 60 Hz	230/460V (1 - 75HP)	S	-	-	-	-	-
	460V	S	S	S	S	S	S
	575V	S	S	S	S	S	S
Division 2 Classification							
Class & Group	Class I, Group A, B, C & D	S	S	S	S	S	S
	Class II, Group F & G (140 - 250 frame)	A	-	A	-	A	-
	Class II, Group F & G (280 frame and up)	S	S	S	S	S	S
Electrical Features							
Efficiency	ABB NEMA motors meet or exceed all efficiency requirements for US, Canada and Mexico regulations	S	S	S	S	S	S
Torque	NEMA Design B torques	S	S	S	S	S	-
Service factor	1.15 service factor - continuous	S	S	S	S	S	S
Temp rise	Class F insulation with Class B rise @ 1.0 service factor	S	-	S	-	S	-
	Class H insulation with Class B rise @ 1.0 service factor	A	S	A	S	A	S
Inverter	Variable Torque 20:1	S	S	S	S	S	S
	Constant Torque 4:1 (up to 449T) see data sheet for larger ratings	S	S	S	S	S	S*
	Constant Torque 20:1 (4 pole)	143T - 365T	-	143T - 365T	-	143T - 365T	-
Mechanical Features							
Frame	Cast iron frame	S	S	S	S	S	S
Conduit box	Oversized cast iron	S	S	S	S	S	S
IP code	IP55 ingress protection	S	S	S	-	-	-
	IP56 ingress protection	A	A	A	S	S	-
	IP65 ingress protection	A	A	A	A	A	S
Other Key Features							
Certifications and tests	Meets and exceeds IEEE 841	-	-	S	S	S	-
Warranty	Warranty - in number of months from shipment	36	36	60	60	60	36

S = Standard A = Available through Mod Express® or as custom

## SD100

### 1 thru 100 Hp

IP55

#### Features

- Insulation Class F, Class B Temp rise
- Division 2, Class I and Class II
- Suitable for inverter use per NEMA MG1 Part 31.4.4.2
- NEMA Premium efficient
- Robust cast iron frame construction
- Bidirectional fan

#### Applications

- Pumps
- Fans
- Compressors
- Petrochemical
- Oil & Gas
- Paper mills
- Water and waste water

#### SD100, Foot mounted



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt									
1	3600	143T	1LE23211AA114AA3	1,148	14.20	75	82.5	230/460	1.4
	1800	143T	1LE23211AB214AA3	1,074	14.20	77	85.5	230/460	1.4
	1200	145T	1LE23211AC314AA3	1,326	14.20	77	82.5	230/460	1.6
	900	182T	1LE23211CD114AA3	1,800	16.40	105	81.5	230/460	2.1
1 1/2	3600	143T	1LE23211AA214AA3	1,148	14.20	75	84.0	230/460	2.0
	1800	145T	1LE23211AB314AA3	1,190	14.20	79	86.5	230/460	2.1
	1200	182T	1LE23211CC114AA3	1,494	16.40	116	87.5	230/460	2.4
	900	184T	1LE23211CD314AA3	2,028	16.40	119	82.5	230/460	3.0
2	3600	145T	1LE23211AA314AA3	1,372	14.20	72	85.5	230/460	2.5
	1800	145T	1LE23211AB414AA3	1,310	14.20	79	86.5	230/460	2.8
	1200	184T	1LE23211CC314AA3	1,670	16.40	125	88.5	230/460	3.2
	900	213T	1LE23212AD114AA3	2,350	20.20	143	84.0	230/460	3.3
3	3600	182T	1LE23211CA114AA3	1,542	16.40	112	86.5	230/460	3.8
	1800	182T	1LE23211CB114AA3	1,452	16.40	121	89.5	230/460	4.0
	1200	213T	1LE23212AC114AA3	2,034	20.20	167	89.5	230/460	4.3
	900	215T	1LE23212AD214AA3	3,242	20.20	158	85.5	230/460	4.8
5	3600	184T	1LE23211CA314AA3	1,910	16.40	121	88.5	230/460	6.0
	1800	184T	1LE23211CB314AA3	1,696	16.40	125	89.5	230/460	6.5
	1200	215T	1LE23212AC214AA3	2,866	20.20	180	89.5	230/460	6.7
	900	254T	1LE23212BD114AA3	4,558	25.80	253	86.5	230/460	8.5
7 1/2	3600	213T	1LE23212AA114AA3	2,242	20.20	160	89.5	230/460	8.8
	1800	213T	1LE23212AB114AA3	2,234	20.20	187	91.7	230/460	9.7
	1200	254T	1LE23212BC114AA3	3,704	25.80	304	91.0	230/460	10.0
	900	256T	1LE23212BD214AA3	5,260	25.80	280	87.5	230/460	13.0
10	3600	215T	1LE23212AA214AA3	2,698	20.20	183	90.2	230/460	11.5
	1800	215T	1LE23212AB214AA3	2,774	20.20	189	91.7	230/460	12.5

Cast iron frame

## SD100, Foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt									
10	1200	256T	1LE23212BC214AA3	4,656	25.80	277	91.0	230/460	13.5
	900	284T	1LE23212CD116AA3	7,022	29.40	372	90.2	230/460	17.0
15	3600	254T	1LE23212BA114AA3	3,706	25.80	286	91.0	230/460	17.5
	1800	254T	1LE23212BB114AA3	3,652	25.80	288	92.4	230/460	19.0
	1200	284T	1LE23212CC116AA3	5,908	29.40	410	91.7	230/460	21.0
20	900	286T	1LE23212CD216AA3	9,138	29.40	429	90.2	230/460	26.0
	3600	256T	1LE23212BA214AA3	4,588	25.80	326	91.0	230/460	22.5
	1800	256T	1LE23212BB214AA3	4,548	25.80	321	93.0	230/460	25.0
	1200	286T	1LE23212CC216AA3	7,196	29.40	465	91.7	230/460	27.0
25	900	324T	1LE23213AD116AA3	11,170	32.10	566	91.0	230/460	31.0
	3600	284TS	1LE23212DA116AA3	5,404	28.00	407	91.7	230/460	29.0
	1800	284T	1LE23212CB116AA3	5,174	29.40	445	93.6	230/460	30.0
30	1200	324T	1LE23213AC116AA3	8,470	32.10	638	93.0	230/460	33.0
	3600	286TS	1LE23212DA216AA3	6,310	28.00	429	91.7	230/460	34.0
	1800	286T	1LE23212CB216AA3	6,020	29.40	469	93.6	230/460	35.0
40	1200	326T	1LE23213AC216AA3	10,034	32.10	653	93.0	230/460	39.0
	3600	324TS	1LE23213BA116AA3	8,326	30.60	563	93.6	230/460	45.0
	1800	324T	1LE23213AB116AA3	7,996	32.10	665	94.1	230/460	46.0
50	1200	364T	1LE23213CC116AA3	13,606	35.50	860	94.1	230/460	49.0
	3600	326TS	1LE23213BA216AA3	10,768	30.60	596	93.6	230/460	55.0
	1800	326T	1LE23213AB216AA3	9,820	32.10	701	94.5	230/460	58.0
60	1200	365T	1LE23213CC216AA3	15,620	35.50	893	94.1	230/460	62.0
	3600	364TS	1LE23213DA116AA3	14,166	33.40	739	93.6	230/460	68.0
	1800	364T	1LE23213CB116AA3	14,086	35.50	932	95.0	230/460	68.0
75	1200	404T	1LE23214AC116AA3	18,300	39.40	1097	94.5	230/460	74.0
	3600	365TS	1LE23213DA216AA3	17,788	33.40	814	94.1	230/460	86.0
	1800	365T	1LE23213CB216AA3	17,856	35.50	1000	95.4	230/460	85.0
100	1200	405T	1LE23214AC216AA3	21,544	39.40	1183	94.5	230/460	93.0
	3600	405TS	1LE23214BA216AA3	23,838	36.40	1115	94.1	230/460	108.0
	1800	405T	1LE23214AB216AA3	22,064	39.40	1137	95.4	230/460	113.0
460 volt									
25	3600	284TS	1LE23212DA112AA3	5,404	28.00	407	91.7	460	29.0
	1800	284T	1LE23212CB112AA3	5,174	29.40	445	93.6	460	30.0
		284TS	1LE23212DB112AA3	5,174	28.00	445	93.6	460	30.0
	1200	324T	1LE23213AC112AA3	8,470	32.10	634	93.0	460	33.0
30	900	326T	1LE23213AD212AA3	12,974	32.10	599	90.2	460	40.0
	3600	286TS	1LE23212DA212AA3	6,310	28.00	429	91.7	460	34.0
	1800	286T	1LE23212CB212AA3	6,020	29.40	469	93.6	460	35.0
		286TS	1LE23212DB212AA3	6,020	28.00	465	93.6	460	35.0
40	1200	326T	1LE23213AC212AA3	10,034	32.10	654	93.0	460	39.0
	900	364T	1LE23213CD112AA3	15,352	35.50	800	91.7	460	41.0
	3600	324TS	1LE23213BA112AA3	8,326	30.60	564	93.6	460	45.0
		324T	1LE23213AB112AA3	7,996	32.10	665	94.1	460	46.0
50	1800	324TS	1LE23213BB112AA3	7,996	30.60	665	94.1	460	46.0
		324T	1LE23213CC112AA3	13,606	35.50	855	94.1	460	49.0
	900	365T	1LE23213CD212AA3	18,566	35.50	890	91.7	460	55.0
3600	326TS	1LE23213BA212AA3	10,768	30.60	597	93.6	460	55.0	

Cast iron frame

## SD100, Foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
50	1800	326T	1LE23213AB212AA3	9,820	32.10	701	94.5	460	58.0
		326TS	1LE23213BB212AA3	9,820	30.60	701	94.5	460	58.0
	1200	365T	1LE23213CC212AA3	15,620	35.50	895	94.1	460	62.0
	900	404T	1LE23214AD112AA3	22,182	39.40	1124	92.4	460	67.0
60	3600	364TS	1LE23213DA112AA3	14,166	33.40	815	93.6	460	68.0
		1800	364T	1LE23213CB112AA3	14,086	35.50	932	95.0	460
	1800	364TS	1LE23213DB112AA3	14,086	33.40	930	95.0	460	68.0
		1200	404T	1LE23214AC112AA3	18,300	39.40	1100	94.5	460
75	900	405T	1LE23214AD212AA3	25,336	39.40	1201	92.4	460	78.0
		3600	365TS	1LE23213DA212AA3	17,788	33.40	815	94.1	460
	1800	365T	1LE23213CB212AA3	17,856	35.50	1000	95.4	460	85.0
		365TS	1LE23213DB212AA3	17,856	33.40	1000	95.4	460	85.0
100	1200	405T	1LE23214AC212AA3	21,544	39.40	1186	94.5	460	93.0
		3600	405TS	1LE23214BA212AA3	23,838	36.40	1117	94.1	460
	1800	405T	1LE23214AB212AA3	22,064	39.40	1139	95.4	460	113.0
		405TS	1LE23214BB212AA3	22,064	36.40	1159	95.4	460	113.0
575 volt									
1	3600	143T	1LE23211AA113AA3	1,148	14.20	75	82.5	575	1.12
		1800	143T	1LE23211AB213AA3	1,074	14.20	77	85.5	575
	1200	145T	1LE23211AC313AA3	1,326	14.20	77	82.5	575	1.28
		900	182T	1LE23211CD113AA3	1,800	16.40	105	81.5	575
1 1/2	3600	143T	1LE23211AA213AA3	1,148	14.20	75	84.0	575	1.6
		1800	145T	1LE23211AB313AA3	1,190	14.20	79	86.5	575
	1200	182T	1LE23211CC113AA3	1,494	16.40	116	87.5	575	1.92
		900	184T	1LE23211CD313AA3	2,028	16.40	119	82.5	575
2	3600	145T	1LE23211AA313AA3	1,372	14.20	72	85.5	575	2.0
		1800	145T	1LE23211AB413AA3	1,310	14.20	79	86.5	575
	1200	184T	1LE23211CC313AA3	1,670	16.40	125	88.5	575	2.56
		900	213T	1LE23212AD113AA3	2,350	20.20	143	84.0	575
3	3600	182T	1LE23211CA113AA3	1,542	16.40	112	86.5	575	3.04
		1800	182T	1LE23211CB113AA3	1,452	16.40	121	89.5	575
	1200	213T	1LE23212AC113AA3	2,034	20.20	167	89.5	575	3.44
		900	215T	1LE23212AD213AA3	3,242	20.20	158	85.5	575
5	3600	184T	1LE23211CA313AA3	1,910	16.40	121	88.5	575	4.8
		1800	184T	1LE23211CB313AA3	1,696	16.40	125	89.5	575
	1200	215T	1LE23212AC213AA3	2,866	20.20	180	89.5	575	5.36
		900	254T	1LE23212BD113AA3	4,558	25.80	246	86.5	575
7 1/2	3600	213T	1LE23212AA113AA3	2,242	20.20	160	89.5	575	7.04
		1800	213T	1LE23212AB113AA3	2,234	20.20	187	91.7	575
	1200	254T	1LE23212BC113AA3	3,704	25.80	304	91.0	575	8.0
		900	256T	1LE23212BD213AA3	5,260	25.80	280	87.5	575
10	3600	215T	1LE23212AA213AA3	2,698	20.20	183	90.2	575	9.2
		1800	215T	1LE23212AB213AA3	2,774	20.20	189	91.7	575
	1200	256T	1LE23212BC213AA3	4,656	25.80	277	91.0	575	10.8
		900	284T	1LE23212CD113AA3	7,022	29.40	399	90.2	575
15	3600	254T	1LE23212BA113AA3	3,706	25.80	286	91.0	575	14.0
		1800	254T	1LE23212BB113AA3	3,652	25.80	288	92.4	575

Cast iron frame

## SD100, Foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt									
15	1200	284T	1LE23212CC113AA3	5,908	29.40	410	91.7	575	16.8
	900	286T	1LE23212CD213AA3	9,138	29.40	946	90.2	575	21.0
20	3600	256T	1LE23212BA213AA3	4,588	25.80	326	91.0	575	18.0
	1800	256T	1LE23212BB213AA3	4,548	25.80	321	93.0	575	20.0
	1200	286T	1LE23212CC213AA3	7,196	29.40	465	91.7	575	21.6
	900	324T	1LE23213AD113AA3	11,170	32.10	566	91.0	575	25.0
25	3600	284TS	1LE23212DA113AA3	5,404	28.00	407	91.7	575	23.2
	1800	284T	1LE23212CB113AA3	5,174	29.40	445	93.6	575	24.0
		284TS	1LE23212DB113AA3	5,174	28.00	445	93.6	575	24.0
	1200	324T	1LE23213AC113AA3	8,470	32.10	634	93.0	575	26.4
	900	326T	1LE23213AD213AA3	12,974	32.10	1320	90.2	575	32.0
	30	3600	286TS	1LE23212DA213AA3	6,310	28.00	429	91.7	575
1800		286T	1LE23212CB213AA3	6,020	29.40	469	93.6	575	28.0
		286TS	1LE23212DB213AA3	6,020	28.00	465	93.6	575	28.0
1200		326T	1LE23213AC213AA3	10,034	32.10	654	93.0	575	31.2
900		364T	1LE23213CD113AA3	15,352	35.50	1760	91.7	575	33.0
40		3600	324TS	1LE23213BA113AA3	8,326	30.60	564	93.6	575
	1800	324T	1LE23213AB113AA3	7,996	32.10	665	94.1	575	36.8
		324TS	1LE23213BB113AA3	7,996	30.60	665	94.1	575	36.8
	1200	364T	1LE23213CC113AA3	13,606	35.50	855	94.1	575	39.2
	900	365T	1LE23213CD213AA3	18,566	35.50	890	91.7	575	44.0
50	3600	326TS	1LE23213BA213AA3	10,768	30.60	597	93.6	575	44.0
	1800	326T	1LE23213AB213AA3	9,820	32.10	701	94.5	575	46.4
		326TS	1LE23213BB213AA3	9,820	30.60	701	94.5	575	46.4
	1200	365T	1LE23213CC213AA3	15,620	35.50	895	94.1	575	49.6
	900	404T	1LE23214AD113AA3	22,182	39.40	1124	92.4	575	53.6
60	3600	364TS	1LE23213DA113AA3	14,166	33.40	725	93.6	575	54.4
	1800	364T	1LE23213CB113AA3	14,086	35.50	932	95.0	575	54.4
		364TS	1LE23213DB113AA3	14,086	33.40	930	95.0	575	54.4
	1200	404T	1LE23214AC113AA3	18,300	39.40	1100	94.5	575	59.2
	900	405T	1LE23214AD213AA3	25,336	39.40	2860	92.4	575	62.4
75	3600	365TS	1LE23213DA213AA3	17,788	33.40	815	94.1	575	68.8
	1800	365T	1LE23213CB213AA3	17,856	35.50	1000	95.4	575	68.0
		365TS	1LE23213DB213AA3	17,856	33.40	1000	95.4	575	68.0
	1200	405T	1LE23214AC213AA3	21,544	39.40	1186	94.5	575	74.4
100	3600	405TS	1LE23214BA213AA3	23,838	36.40	1117	94.1	575	86.4
	1800	405T	1LE23214AB213AA3	22,064	39.40	1139	95.4	575	90.4
		405TS	1LE23214BB213AA3	22,064	36.40	1159	95.4	575	90.4

Cast iron frame

## SD100, C-face foot mounted



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt									
1	3600	143TC	1LE23211AA114EA3	1,180	14.20	75	82.5	230/460	1.4
	1800	143TC	1LE23211AB214EA3	1,110	14.20	77	85.5	230/460	1.4
	1200	145TC	1LE23211AC316EA3	1,350	14.20	77	82.5	230/460	1.6
1 1/2	3600	143TC	1LE23211AA214EA3	1,180	14.20	75	84.0	230/460	2.0
	1800	145TC	1LE23211AB314EA3	1,230	14.20	79	86.5	230/460	2.1
	1200	182TC	1LE23211CC114EA3	1,530	16.40	117	87.5	230/460	2.4
2	3600	145TC	1LE23211AA314EA3	1,584	14.20	75	85.5	230/460	2.5
	1800	145TC	1LE23211AB414EA3	1,360	14.20	79	86.5	230/460	2.8
	1200	184TC	1LE23211CC314EA3	1,700	16.40	126	88.5	230/460	3.2
3	3600	182TC	1LE23211CA114EA3	1,590	16.40	112	86.5	230/460	3.8
	1800	182TC	1LE23211CB114EA3	1,490	16.40	123	89.5	230/460	4.0
	1200	213TC	1LE23212AC114EA3	2,070	20.20	168	89.5	230/460	4.3
5	3600	184TC	1LE23211CA314EA3	1,960	16.40	121	88.5	230/460	6.0
	1800	184TC	1LE23211CB314EA3	1,920	16.40	126	89.5	230/460	6.5
	1200	215TC	1LE23212AC214EA3	2,910	20.20	181	89.5	230/460	6.7
7 1/2	3600	213TC	1LE23212AA114EA3	2,290	20.20	160	89.5	230/460	8.8
	1800	213TC	1LE23212AB114EA3	2,280	20.20	191	91.7	230/460	9.7
	1200	254TC	1LE23212BC114EA3	3,800	25.80	308	91.0	230/460	10.0
10	3600	215TC	1LE23212AA214EA3	2,750	20.20	180	90.2	230/460	11.5
	1800	215TC	1LE23212AB214EA3	2,830	20.20	198	91.7	230/460	12.5
	1200	256TC	1LE23212BC214EA3	4,770	25.80	308	91.0	230/460	13.5
15	3600	254TC	1LE23212BA114EA3	3,810	25.80	297	91.0	230/460	17.5
	1800	254TC	1LE23212BB114EA3	3,780	25.80	291	92.4	230/460	19.0
20	3600	256TC	1LE23212BA214EA3	4,690	25.80	330	91.0	230/460	22.5
	1800	256TC	1LE23212BB214EA3	4,670	25.80	332	93.0	230/460	25.0
	1200	286TC	1LE23212CC216EA3	7,330	29.40	464	91.7	230/460	27.0
25	3600	284TS	1LE23212DA116EA3	5,620	28.00	407	91.7	230/460	29.0
	1800	284TC	1LE23212CB116EA3	5,230	29.40	444	93.6	230/460	30.0
	1200	324TC	1LE23213AC116EA3	7,330	32.10	638	93.0	230/460	33.0
30	3600	286TS	1LE23212DA216EA3	6,560	28.00	429	91.7	230/460	34.0
	1800	286TC	1LE23212CB216EA3	6,150	29.40	477	93.6	230/460	35.0
	1200	326TC	1LE23213AC216EA3	10,280	32.10	653	93.0	230/460	39.0
40	3600	324TSC	1LE23213BA116EA3	8,380	30.60	563	93.6	230/460	45.0
	1800	324TC	1LE23213AB116EA3	8,270	32.10	640	94.1	230/460	46.0
	1200	364TC	1LE23213CC116EA3	13,690	35.50	860	94.1	230/460	49.0
50	3600	326TSC	1LE23213BA216EA3	10,970	30.60	596	93.6	230/460	55.0
	1800	326TC	1LE23213AB216EA3	10,080	32.10	664	94.5	230/460	58.0
	1200	365TC	1LE23213CC216EA3	15,750	35.50	893	94.1	230/460	62.0
60	3600	364TSC	1LE23213DA116EA3	15,080	33.40	739	93.6	230/460	68.0
	1800	364TC	1LE23213CB116EA3	14,210	35.50	933	95.0	230/460	68.0

Cast iron frame

Red catalog number indicates **NEW** product

## SD100, C-face foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt									
75	3600	365TSC	1LE23213DA216EA3	18,040	33.40	814	94.1	230/460	86.0
	1800	365TC	1LE23213CB216EA3	18,000	35.50	999	95.4	230/460	85.0
100	3600	405TSC	1LE23214BA216EA3	24,990		1115	94.1	230/460	108.0
460 volt									
25	3600	284TSC	1LE23212DA112EA3	5,620	28.00	471	91.7	460	29.0
	1200	324TC	1LE23213AC112EA3	8,690	32.10	654	93.0	460	33.0
30	3600	286TSC	1LE23212DA212EA3	6,560	28.00	429	91.7	460	34.0
	1200	326TC	1LE23213AC212EA3	10,280	32.10	653	93.0	460	39.0
40	3600	324TSC	1LE23213BA112EA3	8,380	30.60	563	93.6	460	45.0
	1200	364TC	1LE23213CC112EA3	13,690	35.50	875	94.1	460	49.0
50	3600	326TSC	1LE23213BA212EA3	10,970	30.60	596	93.6	460	55.0
	1200	365TC	1LE23213CC212EA3	15,750	35.50	919	94.1	460	62.0
60	3600	364TSC	1LE23213DA112EA3	15,080	33.40	778	93.6	460	68.0
75	3600	365TSC	1LE23213DA212EA3	18,040	33.40	814	94.1	460	86.0
100	3600	405TSC	1LE23214BA212EA3	24,990	36.40	1115	94.1	460	108.0
	1800	405TC	1LE23214AB212EA3	24,586	39.40	1139	95.4	460	113.0
575 volt									
1	3600	143TC	1LE23211AA113EA3	1,180	14.20	75	82.5	575	1.12
	1800	143TC	1LE23211AB213EA3	1,110	14.20	77	85.5	575	1.12
	1200	145TC	1LE23211AC313EA3	1,350	14.20	77	82.5	575	1.28
1 1/2	3600	143TC	1LE23211AA213EA3	1,180	14.20	75	84.0	575	1.6
	1800	145TC	1LE23211AB313EA3	1,230	14.20	84	86.5	575	1.68
	1200	182TC	1LE23211CC113EA3	1,530	16.40	117	87.5	575	1.92
2	3600	145TC	1LE23211AA313EA3	1,584	14.20	72	85.5	575	2.0
	1800	145TC	1LE23211AB413EA3	1,360	14.20	79	86.5	575	2.24
	1200	184TC	1LE23211CC313EA3	1,700	16.40	132	88.5	575	2.56
3	3600	182TC	1LE23211CA113EA3	1,590	16.40	134	86.5	575	3.04
	1800	182TC	1LE23211CB113EA3	1,490	16.40	121	89.5	575	3.2
	1200	213TC	1LE23212AC113EA3	2,070	20.20	167	89.5	575	3.44
5	3600	184TC	1LE23211CA313EA3	1,960	16.40	121	88.5	575	4.8
	1800	184TC	1LE23211CB313EA3	1,920	16.40	125	89.5	575	5.2
	1200	215TC	1LE23212AC213EA3	2,910	20.20	180	89.5	575	5.36
7 1/2	3600	213TC	1LE23212AA113EA3	2,290	20.20	161	89.5	575	7.04
	1800	213TC	1LE23212AB113EA3	2,280	20.20	187	91.7	575	7.76
	1200	254TC	1LE23212BC113EA3	3,800	25.80	304	91.0	575	8.0
10	3600	215TC	1LE23212AA213EA3	2,750	20.20	180	90.2	575	9.2
	1800	215TC	1LE23212AB213EA3	2,830	20.20	189	91.7	575	10.0
	1200	256TC	1LE23212BC213EA3	4,770	25.80	257	91.0	575	10.8
15	3600	254TC	1LE23212BA113EA3	3,810	25.80	275	91.0	575	14.0
	1800	254TC	1LE23212BB113EA3	3,780	25.80	288	92.4	575	15.2
20	3600	256TC	1LE23212BA213EA3	4,690	25.80	326	91.0	575	18.0
	1800	256TC	1LE23212BB213EA3	4,670	25.80	319	93.0	575	20.0
	1200	286TC	1LE23212CC213EA3	7,330	29.40	464	91.7	575	21.6
25	3600	284TSC	1LE23212DA113EA3	5,620	28.00	414	91.7	575	23.2
	1800	284TC	1LE23212CB113EA3	5,230	29.40	444	93.6	575	24.0

Cast iron frame

Red catalog number indicates **NEW** product

**SD100, C-face foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt									
25	1200	324TC	<b>1LE23213AC113EA3</b>	8,690	32.10	638	93.0	575	26.4
30	3600	286TSC	<b>1LE23212DA213EA3</b>	6,560	28.00	429	91.7	575	27.2
	1800	286TC	<b>1LE23212CB213EA3</b>	6,150	29.40	469	93.6	575	28.0
40	1200	326TC	<b>1LE23213AC213EA3</b>	10,280	32.10	653	93.0	575	31.2
	3600	324TSC	<b>1LE23213BA113EA3</b>	8,380	30.60	563	93.6	575	36.0
	1800	324TC	<b>1LE23213AB113EA3</b>	8,270	32.10	664	94.1	575	36.8
50	1200	364TC	<b>1LE23213CC113EA3</b>	13,690	35.50	854	94.1	575	39.2
	3600	326TSC	<b>1LE23213BA213EA3</b>	10,970	30.60	596	93.6	575	44.0
	1800	326TC	<b>1LE23213AB213EA3</b>	10,080	32.10	700	94.5	575	46.4
60	1200	365TC	<b>1LE23213CC213EA3</b>	15,750	35.50	882	94.1	575	49.6
	3600	364TSC	<b>1LE23213DA113EA3</b>	15,080	33.40	739	93.6	575	54.4
75	1800	364TC	<b>1LE23213CB113EA3</b>	14,210	35.50	931	95.0	575	54.4
	3600	365TSC	<b>1LE23213DA213EA3</b>	18,040	33.40	816	94.1	575	68.8

Cast iron frame

Red catalog number indicates **NEW** product

## SD100 C-face footless



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt									
1	3600	143TC	1LE23211AA114GA3	1,328	14.20	75	82.5	230/460	1.4
	1800	143TC	1LE23211AB214GA3	1,254	14.20	77	85.5	230/460	1.4
	1200	145TC	1LE23211AC314GA3	1,506	14.20	77	82.5	230/460	1.6
	900	182TC	1LE23211CD114GA3	2,064	16.40	105	81.5	230/460	2.1
1 1/2	3600	143TC	1LE23211AA214GA3	1,328	14.20	75	84.0	230/460	2.0
	1800	145TC	1LE23211AB314GA3	1,370	14.20	79	86.5	230/460	2.1
	1200	182TC	1LE23211CC114GA3	1,758	16.40	116	87.5	230/460	2.4
	900	184TC	1LE23211CD314GA3	2,292	16.40	119	82.5	230/460	3.0
2	3600	145TC	1LE23211AA314GA3	1,552	14.20	75	85.5	230/460	2.5
	1800	145TC	1LE23211AB414GA3	1,490	14.20	79	86.5	230/460	2.8
	1200	184TC	1LE23211CC314GA3	1,934	16.40	125	88.5	230/460	3.2
	900	213TC	1LE23212AD114GA3	2,614	20.20	143	84.0	230/460	3.3
3	3600	182TC	1LE23211CA114GA3	1,806	16.40	112	86.5	230/460	3.8
	1800	182TC	1LE23211CB114GA3	1,716	16.40	123	89.5	230/460	4.0
	1200	213TC	1LE23212AC114GA3	2,298	20.20	167	89.5	230/460	4.3
	900	215TC	1LE23212AD214GA3	3,506	20.20	158	85.5	230/460	4.8
5	3600	184TC	1LE23211CA314GA3	2,174	16.40	121	88.5	230/460	6.0
	1800	184TC	1LE23211CB314GA3	1,960	16.40	125	89.5	230/460	6.5
	1200	215TC	1LE23212AC214GA3	3,130	20.20	180	89.5	230/460	6.7
	900	254TC	1LE23212BD114GA3	4,918	25.80	246	86.5	230/460	8.5
7 1/2	3600	213TC	1LE23212AA114GA3	2,506	20.20	160	89.5	230/460	8.8
	1800	213TC	1LE23212AB114GA3	2,498	20.20	191	91.7	230/460	9.7
	1200	254TC	1LE23212BC114GA3	4,064	25.80	308	91.0	230/460	10.0
	900	256TC	1LE23212BD214GA3	5,620	25.80	280	87.5	230/460	13.0
10	3600	215TC	1LE23212AA214GA3	2,962	20.20	180	90.2	230/460	11.5
	1800	215TC	1LE23212AB214GA3	3,038	20.20	198	91.7	230/460	12.5
	1200	256TC	1LE23212BC214GA3	5,016	25.80	308	91.0	230/460	13.5
15	3600	254TC	1LE23212BA114GA3	4,066	25.80	297	91.0	230/460	17.5
	1800	254TC	1LE23212BB114GA3	4,012	25.80	291	92.4	230/460	19.0
20	3600	256TC	1LE23212BA214GA3	4,948	25.80	330	91.0	230/460	22.5
	1800	256TC	1LE23212BB214GA3	4,908	25.80	332	93.0	230/460	25.0
	1200	286TC	1LE23212CC216GA3	9,074	29.40	484	91.7	230/460	27.0
25	3600	284TS	1LE23212DA116GA3	7,282	28.00	407	91.7	230/460	29.0
	1800	284TC	1LE23212CB116GA3	7,052	29.40	444	93.6	230/460	30.0
	1200	324TC	1LE23213AC116GA3	10,528	32.10	638	93.0	230/460	33.0
30	3600	286TS	1LE23212DA216GA3	8,188	28.00	429	91.7	230/460	34.0
	1800	286TC	1LE23212CB216GA3	7,898	29.40	468	93.6	230/460	35.0
575 volt									
1	3600	143TC	1LE23211AA113GA3	1,328	14.20	75	82.5	575	1.12

Cast iron frame

Red catalog number indicates **NEW** product

## SD100 C-face footless

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt									
1	1800	143TC	<b>1LE23211AB213GA3</b>	1,254	14.20	77	85.5	575	1.12
	900	182TC	<b>1LE23211CD113GA3</b>	2,064	16.40	234	81.5	575	1.68
1 1/2	3600	143TC	<b>1LE23211AA213GA3</b>	1,328	14.20	75	84.0	575	1.6
	1800	145TC	<b>1LE23211AB313GA3</b>	1,370	14.20	79	86.5	575	1.68
2	900	184TC	<b>1LE23211CD313GA3</b>	2,292	16.40	119	82.5	575	2.4
	3600	145TC	<b>1LE23211AA313GA3</b>	1,552	14.20	75	85.5	575	2.0
	1800	145TC	<b>1LE23211AB413GA3</b>	1,490	14.20	79	86.5	575	2.24
3	900	213TC	<b>1LE23212AD113GA3</b>	2,614	20.20	315	84.0	575	2.64
	3600	182TC	<b>1LE23211CA113GA3</b>	1,806	16.40	112	86.5	575	3.04
	1800	182TC	<b>1LE23211CB113GA3</b>	1,716	16.40	123	89.5	575	3.2
5	900	215TC	<b>1LE23212AD213GA3</b>	3,506	20.20	158	85.5	575	3.84
	3600	184TC	<b>1LE23211CA313GA3</b>	2,174	16.40	121	88.5	575	4.8
	1800	184TC	<b>1LE23211CB313GA3</b>	1,960	16.40	125	89.5	575	5.2
7 1/2	900	254TC	<b>1LE23212BD113GA3</b>	4,918	25.80	246	86.5	575	6.8
	3600	213TC	<b>1LE23212AA113GA3</b>	2,506	20.20	160	89.5	575	7.04
	1800	213TC	<b>1LE23212AB113GA3</b>	2,498	20.20	191	91.7	575	7.76
10	900	256TC	<b>1LE23212BD213GA3</b>	5,620	25.80	614	87.5	575	10.4
	3600	215TC	<b>1LE23212AA213GA3</b>	2,962	20.20	180	90.2	575	9.2
	1800	215TC	<b>1LE23212AB213GA3</b>	3,038	20.20	198	91.7	575	10.0
15	3600	254TC	<b>1LE23212BA113GA3</b>	4,066	25.80	632	91.0	575	14.0
	1800	254TC	<b>1LE23212BB113GA3</b>	4,012	25.80	291	92.4	575	15.2
20	3600	256TC	<b>1LE23212BA213GA3</b>	4,948	25.80	711	91.0	575	18.0
	1800	256TC	<b>1LE23212BB213GA3</b>	4,908	25.80	756	93.0	575	20.0

Cast iron frame

Red catalog number indicates **NEW** product

**SD100 Low Maintenance, foot mounted**

Grease for life bearings.



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt									
1	1800	143T	<b>1LE23231AB216AA3</b>	1,110	14.20	77	85.5	230/460	1.4
	1200	145T	<b>1LE23231AC316AA3</b>	1,370	14.20	80	82.5	230/460	1.6
1 1/2	1800	145T	<b>1LE23231AB316AA3</b>	1,230	14.20	79	86.5	230/460	2.1
2	1800	145T	<b>1LE23231AB416AA3</b>	1,350	14.20	79	86.5	230/460	2.8
	1200	184T	<b>1LE23231CC316AA3</b>	1,720	16.40	125	88.5	230/460	3.2
3	1800	182T	<b>1LE23231CB116AA3</b>	1,500	16.40	121	89.5	230/460	4.0
		182TC	<b>1LE23231CB116GA3</b>	1,764	16.40	121	89.5	230/460	4.0
5	1800	184T	<b>1LE23231CB316AA3</b>	1,750	16.40	125	89.5	230/460	6.5
	1200	215T	<b>1LE23232AC216AA3</b>	2,950	20.20	180	89.5	230/460	6.7
7 1/2	1800	213T	<b>1LE23232AB116AA3</b>	2,300	20.20	187	91.7	230/460	9.7
	1200	254T	<b>1LE23232BC116AA3</b>	3,820	25.80	304	91.0	230/460	10.0
10	1800	215T	<b>1LE23232AB216AA3</b>	2,860	20.20	189	91.7	230/460	12.5
		215TC	<b>1LE23232AB216EA3</b>	2,860	20.20	198	91.7	230/460	12.5
15	1200	256T	<b>1LE23232BC216AA3</b>	4,800	25.80	286	91.0	230/460	13.5
	1800	254T	<b>1LE23232BB116AA3</b>	3,760	25.80	288	92.4	230/460	19.0
20	1800	254T	<b>1LE23232CC116AA3</b>	6,090	29.40	410	91.7	230/460	21.0
		284T	<b>1LE23232CC116AA3</b>	6,090	29.40	410	91.7	230/460	21.0
20	1800	256T	<b>1LE23232BB216AA3</b>	4,680	25.80	321	93.0	230/460	25.0
25	1800	284T	<b>1LE23232CB116AA3</b>	5,330	29.40	445	93.6	230/460	30.0
30	1800	286T	<b>1LE23232CB216AA3</b>	6,200	29.40	465	93.6	230/460	35.0
40	1800	324T	<b>1LE23233AB116AA3</b>	8,240	32.10	665	94.1	230/460	46.0
50	1800	326T	<b>1LE23233AB216AA3</b>	10,110	32.10	698	94.5	230/460	58.0
60	1800	364T	<b>1LE23233CB116AA3</b>	14,510	35.50	930	95.0	230/460	68.0
75	1800	365T	<b>1LE23233CB216AA3</b>	18,390	35.50	1000	95.4	230/460	85.0

Cast iron frame

## SD200

### 75 thru 800 Hp

IP55

**Features**

- Full Class H insulation system, Class B temp rise
- Inverter Duty nameplate
- Flexible centered and top mounting box
- NEMA Premium as standard; NEMA Premium 4 optional
- Bidirectional fan
- Division 2, Class I, Groups A,B,C and D
- Division 2, Class II, Groups F&G

**Applications**

- Pumps
- Fans
- Compressors
- Petrochemical
- Oil & Gas
- Paper mills
- Water and waste water

**SD200, foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	
460 volt										
75	900	444T	<b>1LE63214BD112AA1</b>	34,060	43.60	1413	93.6	460	105.0	
		444TS	<b>1LE63214FD112AA1</b>	34,060	39.81	3085	93.6	460	105.0	
		R444T	<b>1LE63214SD112AA1</b>	35,300	43.60	1422	93.6	460	105.0	
100	1200	444T	<b>1LE63214BC112AA1</b>	30,040	43.60	1465	95.0	460	128.0	
		444TS	<b>1LE63214FC112AA1</b>	30,040	39.81	1406	95.0	460	128.0	
		R444T	<b>1LE63214SC112AA1</b>	31,280	43.60	1468	95.0	460	128.0	
	900	445T	<b>1LE63214BD212AA1</b>	42,100	43.60	1494	93.6	460	137.0	
		445TS	<b>1LE63214FD212AA1</b>	42,100	39.81	3261	93.6	460	137.0	
		R445T	<b>1LE63214SD212AA1</b>	43,340	43.60	1505	93.6	460	137.0	
125	3600	444TS	<b>1LE63214FA112AA1</b>	31,460	39.81	1527	95.4	460	145.0	
		444T	<b>1LE63214BB112AA1</b>	29,320	43.60	1547	95.4	460	154.0	
		444TS	<b>1LE63214FB112AA1</b>	29,320	39.81	1514	95.4	460	154.0	
	1800	R444T	<b>1LE63214SB112AA1</b>	30,560	43.60	1547	95.4	460	154.0	
		445T	<b>1LE63214BC212AA1</b>	36,880	43.60	1578	95.0	460	155.0	
		445TS	<b>1LE63214FC212AA1</b>	36,880	39.81	1536	95.0	460	155.0	
	1200	R445T	<b>1LE63214SC212AA1</b>	38,120	43.60	1554	95.0	460	155.0	
		900	447T	<b>1LE63214CD112AA1</b>	44,660	47.03	1720	94.1	460	165.0
			447TS	<b>1LE63214GD112AA1</b>	44,660	43.28	2821	94.1	460	165.0
R447T	<b>1LE63214TD112AA1</b>		45,920	47.03	1732	94.1	460	165.0		
150	3600	445TS	<b>1LE63214FA212AA1</b>	37,800	39.81	1688	95.8	460	163.5	
		445T	<b>1LE63214BB212AA1</b>	34,100	43.60	1739	96.2	460	186.4	
	1800	445TS	<b>1LE63214FB212AA1</b>	34,100	39.81	1593	96.2	460	186.4	
		R445T	<b>1LE63214SB212AA1</b>	35,320	43.60	1631	96.2	460	186.4	
	1200	447T	<b>1LE63214CC112AA1</b>	41,260	47.03	1794	95.8	460	178.2	

Cast iron frame

## SD200, foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
150	1200	447TS	1LE63214GC112AA1	41,260	43.28	1746	95.8	460	178.2
		R447T	1LE63214TC112AA1	42,500	47.03	1807	95.8	460	178.2
	900	449T	1LE63214CD212AA1	57,040	52.06	1966	94.1	460	205.0
		449TS	1LE63214GD212AA1	57,040	48.31	4308	94.1	460	205.0
		R449T	1LE63214TD212AA1	58,280	52.06	1968	94.1	460	205.0
200	3600	447TS	1LE63214GA112AA1	47,800	43.28	1843	96.2	460	199.4
		447T	1LE63214CB112AA1	41,460	47.03	1836	96.2	460	224.4
	1800	447TS	1LE63214GB112AA1	41,460	43.28	1812	96.2	460	224.4
		R447T	1LE63214TB112AA1	42,700	47.03	1860	96.2	460	224.4
		449T	1LE63214CC212AA1	50,520	52.06	2125	95.8	460	221.3
	1200	449TS	1LE63214GC212AA1	50,520	48.31	2074	95.8	460	221.3
		R449T	1LE63214TC212AA1	51,760	52.06	2138	95.8	460	221.3
		L449T	1LE63214DD112AA1	69,820	60.06	2577	94.5	460	261.0
		RL449T	1LE63214UD112AA1	71,060	60.06	2577	94.5	460	261.0
	250	3600	449TS	1LE63214GA212AA1	60,300	48.31	2083	96.2	460
449T			1LE63214CB212AA1	52,020	52.06	2149	96.2	460	287.4
1800		449TS	1LE63214GB212AA1	52,020	48.31	2096	96.2	460	287.4
		R449T	1LE63214TB212AA1	53,260	52.06	2156	96.2	460	287.4
		449T	1LE63214CC312AA1	54,960	52.06	2281	95.8	460	292.1
1200		449TS	1LE63214GC312AA1	54,960	48.31	2233	95.8	460	306.0
		R449T	1LE63214TC312AA1	56,200	52.06	2295	95.8	460	292.1
		L449T	1LE63214DD212AA1	82,500	60.06	6277	95.0	460	322.0
		L449TS	1LE63214HD212AA1	82,500	56.43	6277	95.0	460	322.0
300		3600	449TS	1LE63214GA312AA1	82,540	48.31	2193	95.8	460
	449T		1LE63214CB312AA1	60,680	52.06	2248	96.2	460	365.0
	1800	449TS	1LE63214GB312AA1	60,680	48.31	2202	96.2	460	365.0
		R449T	1LE63214TB312AA1	61,900	52.06	2244	96.2	460	365.0
		L449T	1LE63214DC112AA1	68,800	60.06	2844	95.8	460	364.0
	1200	L449TS	1LE63214HC112AA1	68,800	56.43	2924	95.8	460	364.0
		RL449T	1LE63214UC112AA1	70,020	60.06	2844	95.8	460	364.0
L449TS		1LE63214HA112AA1	84,820	56.43	2678	96.2	460	380.0	
350	1800	L449T	1LE63214DB112AA1	78,780	60.06	2722	96.2	460	421.0
		L449TS	1LE63214HB112AA1	78,780	56.43	2572	96.2	460	421.0
		RL449T	1LE63214UB112AA1	80,020	60.06	2632	96.2	460	421.0
	1200	5010	1LE63215AC212AA1	113,380	73.10	4299	96.2	460	410.0
		5010S	1LE63215EC212AA1	109,520	68.88	5862	96.2	460	410.0
400	3600	509S	1LE63215EA112AA1	111,300	68.88	4299	96.5	460	430.0
		L449TS	1LE63214HA212AA1	105,780	56.43	2936	96.2	460	432.0
	1800	509	1LE63215AB112AA1	108,760	73.10	4204	96.5	460	460.0
		509S	1LE63215EB112AA1	108,760	68.88	4195	96.5	460	460.0
		L449T	1LE63214DB212AA1	98,280	60.06	2733	96.2	460	487.0
		L449TS	1LE63214HB212AA1	98,280	56.43	2685	96.2	460	487.0
		R509	1LE63215RB112AA1	114,740	73.10	4206	96.5	460	460.0
		RL449T	1LE63214UB212AA1	99,500	60.06	2733	96.2	460	487.0
	1200	5011	1LE63215AC812AA1	119,840	73.10	5407	96.2	460	470.0
		5011S	1LE63215EC812AA1	119,840	68.88	5862	96.2	460	470.0
450	3600	5010S	1LE63215EA212AA1	113,560	68.88	4052	96.5	460	480.0

Cast iron frame

## SD200, foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
450	1800	5010	1LE63215AB212AA1	112,240	73.10	4339	96.5	460	515.0
		5010S	1LE63215EB212AA1	112,240	68.88	5745	96.5	460	515.0
		R5010	1LE63215RB212AA1	116,420	73.10	4418	96.5	460	515.0
	1200	L5011	1LE63215BC312AA1	136,980	81.00	5407	96.2	460	525.0
		L5011S	1LE63215FC312AA1	127,340	76.75	5862	96.2	460	525.0
500	3600	5011S	1LE63215EA812AA1	115,060	68.88	4598	96.5	460	535.0
	1800	5011	1LE63215AB812AA1	113,920	73.10	4618	96.7	460	570.0
		5011S	1LE63215EB812AA1	113,920	68.88	5745	96.7	460	570.0
	1200	5012	1LE63215BC512AA1	145,200	81.00	5366	96.2	460	580.0
		5012S	1LE63215FC512AA1	141,340	76.75	5862	96.2	460	580.0
600	3600	5011S	1LE63215EA012AA1	128,400	68.88	4698	96.7	460	650.0
		5012S	1LE63215FA512AA1	140,920	76.75	4936	96.7	460	650.0
	1800	5012	1LE63215BB512AA1	141,480	81.00	5452	96.7	460	686.0
		5012S	1LE63215FB512AA1	141,480	76.75	5745	96.7	460	686.0
	1200	5013	1LE63215BC712AA1	158,340	81.00	5862	96.2	460	695.0
5013S		1LE63215FC712AA1	158,340	76.75	5862	96.2	460	695.0	
700	1800	5013	1LE63215BB712AA1	151,980	81.00	6060	96.7	460	830.0
		5013S	1LE63215FB712AA1	151,980	76.75	6060	96.7	460	830.0
800	1800	5013	1LE63215BB812AA1	158,340	81.00	5798	96.7	460	920.0
460 volt with stator RTDs									
600	3600	5011S	1LE63215EA012AK1	141,520	68.88	4698	96.7	460	650.0
		5012S	1LE63215FA512AK1	154,040	76.75	4936	96.7	460	650.0
	1800	5011	1LE63215AB012AK1	141,960	73.10	4680	96.7	460	686.0
		5012	1LE63215BB512AK1	154,600	81.00	5452	96.7	460	686.0
	1200	5013	1LE63215BC712AK1	171,460	81.00	5862	96.2	460	695.0
700	1800	5013	1LE63215BB712AK1	165,100	81.00	6060	96.7	460	830.0
575 volt									
75	900	444T	1LE63214BD113AA1	34,060	43.60	3111	93.6	575	84.0
		444TS	1LE63214FD113AA1	34,060	39.81	3085	93.6	575	84.0
		R444T	1LE63214SD113AA1	35,300	43.60	3135	93.6	575	84.0
100	1200	444T	1LE63214BC113AA1	30,040	43.60	1463	95.0	575	102.0
		444TS	1LE63214FC113AA1	30,040	39.81	3096	95.0	575	102.0
		R444T	1LE63214SC113AA1	31,280	43.60	3230	95.0	575	102.0
	900	445T	1LE63214BD213AA1	42,100	43.60	3289	93.6	575	109.6
		445TS	1LE63214FD213AA1	42,100	39.81	3261	93.6	575	109.6
		R445T	1LE63214SD213AA1	43,340	43.60	3316	93.6	575	109.6
125	3600	444TS	1LE63214FA113AA1	31,460	39.81	1527	95.4	575	116.0
		444T	1LE63214BB113AA1	29,320	43.60	1547	95.4	575	123.2
	1800	444TS	1LE63214FB113AA1	29,320	39.81	3157	95.4	575	123.2
		R444T	1LE63214SB113AA1	30,560	43.60	1547	95.4	575	123.2
		445T	1LE63214BC213AA1	36,880	43.60	1575	95.0	575	124.0
	1200	445TS	1LE63214FC213AA1	36,880	39.81	3289	95.0	575	124.0
		R445T	1LE63214SC213AA1	38,120	43.60	3421	95.0	575	124.0
		447T	1LE63214CD113AA1	44,660	47.03	1719	94.1	575	132.0
	900	447TS	1LE63214GD113AA1	44,660	43.28	2821	94.1	575	132.0
R447T		1LE63214TD113AA1	45,920	47.03	3813	94.1	575	132.0	

Cast iron frame

## SD200, foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	
575 volt										
150	3600	445TS	1LE63214FA213AA1	37,800	39.81	1688	95.8	575	136.0	
		445T	1LE63214BB213AA1	34,100	43.60	1736	96.2	575	149.6	
	1800	445TS	1LE63214FB213AA1	34,100	39.81	3351	96.2	575	149.6	
		R445T	1LE63214SB213AA1	35,320	43.60	1631	96.2	575	149.6	
	1200	447T	1LE63214CC113AA1	41,260	47.03	1791	95.8	575	146.0	
		447TS	1LE63214GC113AA1	41,260	43.28	3844	95.8	575	146.0	
		R447T	1LE63214TC113AA1	42,500	47.03	1807	95.8	575	146.0	
	900	449T	1LE63214CD213AA1	57,040	52.06	4328	94.1	575	164.0	
		449TS	1LE63214GD213AA1	57,040	48.31	4308	94.1	575	164.0	
		R449T	1LE63214TD213AA1	58,280	52.06	4332	94.1	575	164.0	
	200	3600	447TS	1LE63214GA113AA1	47,800	43.28	1843	96.2	575	180.0
			447T	1LE63214CB113AA1	41,460	47.03	1836	96.2	575	197.6
1800		447TS	1LE63214GB113AA1	41,460	43.28	1812	96.2	575	197.6	
		R447T	1LE63214TB113AA1	42,700	47.03	1860	96.2	575	197.6	
1200		449T	1LE63214CC213AA1	50,520	52.06	2121	95.8	575	194.0	
		449TS	1LE63214GC213AA1	50,520	48.31	4565	95.8	575	194.0	
		R449T	1LE63214TC213AA1	51,760	52.06	2138	95.8	575	194.0	
900		L449T	1LE63214DD113AA1	69,820	60.06	5674	94.5	575	208.8	
		L449TS	1LE63214HD113AA1	69,820	56.43	5514	94.5	575	208.8	
	RL449T	1LE63214UD113AA1	71,060	60.06	2577	94.5	575	208.8		
250	3600	449TS	1LE63214GA213AA1	60,300	48.31	2083	96.2	575	220.0	
		449T	1LE63214CB213AA1	52,020	52.06	2149	96.2	575	244.0	
	1800	449TS	1LE63214GB213AA1	52,020	48.31	2096	96.2	575	244.0	
		449T	1LE63214CC313AA1	54,960	52.06	2290	95.8	575	245.0	
	1200	449TS	1LE63214GC313AA1	54,960	48.31	4915	95.8	575	245.0	
		R449T	1LE63214TC313AA1	56,200	52.06	2295	95.8	575	245.0	
	900	L449T	1LE63214DD213AA1	82,500	60.06	6277	95.0	575	258.4	
L449TS		1LE63214HD213AA1	82,500	56.43	6277	95.0	575	258.4		
300	3600	449TS	1LE63214GA313AA1	82,540	48.31	2193	95.8	575	264.0	
		449T	1LE63214CB313AA1	60,680	52.06	2248	96.2	575	292.0	
	1800	449TS	1LE63214GB313AA1	60,680	48.31	4909	96.2	575	292.0	
		L449T	1LE63214DC113AA1	68,800	60.06	6226	95.8	575	291.2	
	1200	L449TS	1LE63214HC113AA1	68,800	56.43	6156	95.8	575	291.2	
		RL449T	1LE63214UC113AA1	70,020	60.06	6259	95.8	575	291.2	
350	3600	L449TS	1LE63214HA113AA1	84,820	56.43	2680	96.2	575	304.0	
		L449T	1LE63214DB113AA1	78,780	60.06	5663	96.2	575	336.8	
	1800	L449TS	1LE63214HB113AA1	78,780	56.43	5663	96.2	575	336.8	
		RL449T	1LE63214UB113AA1	80,020	60.06	5791	96.2	575	336.8	
400	3600	L449TS	1LE63214HA213AA1	105,780	56.43	2970	96.2	575	345.6	
		L449T	1LE63214DB213AA1	98,280	60.06	5907	96.2	575	389.6	
	1800	L449TS	1LE63214HB213AA1	98,280	56.43	5907	96.2	575	389.6	
		RL449T	1LE63214UB213AA1	99,500	60.06	2814	96.2	575	389.6	

Cast iron frame

**SD200 C-face foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
125	1800	444TC	<b>1LE63214BB112NA1</b>	31,920	43.60	1544	95.4	460	154.0
150	1800	445TC	<b>1LE63214BB212NA1</b>	36,700	43.60	1736	96.2	460	187.0
200	1800	447TC	<b>1LE63214CB112NA1</b>	44,060	47.03	1833	96.2	460	247.0
250	1800	449TC	<b>1LE63214CB212NA1</b>	54,620	52.06	2145	96.2	460	305.0
300	1800	449TC	<b>1LE63214CB312NA1</b>	63,280	52.06	2244	96.2	460	365.0

■ Cast iron frame

**Red** catalog number indicates **NEW** product

## SD100 IEEE841

### 1 thru 100 Hp

IP55

#### Features

- Meets and exceeds the requirements of IEEE Std. 841-2021
- Insulation Class F, Class B temp rise
- Division 2, Class I, Groups A,B,C and D
- Division 2, Class II, Groups F&G (280-400 frames)
- Patented PLS lubrication system for bearing longevity
- Inverter duty nameplate
- Bidirectional fan
- 5-year warranty

#### Applications

- Pumps
- Fans
- Compressors
- Petrochemical
- Oil & Gas
- Paper mills
- Water and waste water

#### SD100 IEEE841, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
1	3600	143T	1LE24211AA112AA3	1,574	14.20	75	82.5	460	1.4
	1800	143T	1LE24211AB212AA3	1,524	14.20	77	85.5	460	1.4
	1200	145T	1LE24211AC312AA3	1,796	14.20	77	82.5	460	1.6
	900	182T	1LE24211CD112AA3	2,914	16.40	108	81.5	460	2.1
1 1/2	3600	143T	1LE24211AA212AA3	1,576	14.20	75	84.0	460	2.0
	1800	145T	1LE24211AB312AA3	1,644	14.20	79	86.5	460	2.1
	1200	182T	1LE24211CC112AA3	2,012	16.40	116	87.5	460	2.4
	900	184T	1LE24211CD312AA3	3,438	16.40	119	82.5	460	3.0
2	3600	145T	1LE24211AA312AA3	1,808	14.20	75	85.5	460	2.5
	1800	145T	1LE24211AB412AA3	1,756	14.20	79	86.5	460	2.8
	1200	184T	1LE24211CC312AA3	2,142	16.40	125	88.5	460	3.2
	900	213T	1LE24212AD112AA3	4,046	20.20	149	84.0	460	3.3
3	3600	182T	1LE24211CA112AA3	1,894	16.40	112	86.5	460	3.8
	1800	182T	1LE24211CB112AA3	1,814	16.40	121	89.5	460	4.0
	1200	213T	1LE24212AC112AA3	2,700	20.20	169	89.5	460	4.3
	900	215T	1LE24212AD212AA3	5,130	20.20	160	85.5	460	4.8
5	3600	184T	1LE24211CA312AA3	2,318	16.40	121	88.5	460	6.0
	1800	184T	1LE24211CB312AA3	2,078	16.40	127	89.5	460	6.5
	1200	215T	1LE24212AC212AA3	3,574	20.20	183	89.5	460	6.7
	900	254T	1LE24212BD112AA3	6,856	25.80	246	86.5	460	8.8
7 1/2	3600	213T	1LE24212AA112AA3	2,842	20.20	160	89.5	460	8.8
	1800	213T	1LE24212AB112AA3	2,760	20.20	189	91.7	460	9.7

Cast iron frame

## SD100 IEEE841, foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
7 1/2	1200	254T	<b>1LE24212BC112AA3</b>	4,568	25.80	306	91.0	460	10.0
	900	256T	<b>1LE24212BD212AA3</b>	8,594	25.80	280	87.5	460	12.5
10	3600	215T	<b>1LE24212AA212AA3</b>	3,268	20.20	183	90.2	460	11.5
	1800	215T	<b>1LE24212AB212AA3</b>	3,304	20.20	196	91.7	460	12.5
	1200	256T	<b>1LE24212BC212AA3</b>	5,680	25.80	308	91.0	460	13.5
	900	284T	<b>1LE24212CD112AA3</b>	8,796	29.40	361	90.2	460	17.0
15	3600	254T	<b>1LE24212BA112AA3</b>	4,432	25.80	295	91.0	460	17.5
	1800	254T	<b>1LE24212BB112AA3</b>	4,354	25.80	291	92.4	460	19.0
	1200	284T	<b>1LE24212CC112AA3</b>	7,082	29.40	414	91.7	460	21.0
20	900	286T	<b>1LE24212CD212AA3</b>	11,246	29.40	421	90.2	460	26.0
	3600	256T	<b>1LE24212BA212AA3</b>	5,440	25.80	330	91.0	460	22.5
	1800	256T	<b>1LE24212BB212AA3</b>	5,612	25.80	328	93.0	460	25.0
	1200	286T	<b>1LE24212CC212AA3</b>	8,632	29.40	465	91.7	460	27.0
25	900	324T	<b>1LE24213AD112AA3</b>	13,750	32.10	571	91.0	460	31.0
	3600	284TS	<b>1LE24212DA112AA3</b>	6,462	28.00	407	91.7	460	29.0
	1800	284T	<b>1LE24212CB112AA3</b>	6,172	29.40	445	93.6	460	30.0
		284TS	<b>1LE24212DB112AA3</b>	6,172	28.00	434	93.6	460	30.0
	1200	324T	<b>1LE24213AC112AA3</b>	10,454	32.10	634	93.0	460	33.0
30	900	326T	<b>1LE24213AD212AA3</b>	15,972	32.10	582	90.2	460	40.0
	3600	286TS	<b>1LE24212DA212AA3</b>	7,550	28.00	429	91.7	460	34.0
	1800	286T	<b>1LE24212CB212AA3</b>	7,176	29.40	469	93.6	460	35.0
		286TS	<b>1LE24212DB212AA3</b>	7,176	28.00	469	93.6	460	35.0
	1200	326T	<b>1LE24213AC212AA3</b>	12,044	32.10	668	93.0	460	39.0
40	900	364T	<b>1LE24213CD112AA3</b>	18,906	35.50	740	91.7	460	41.0
	3600	324TS	<b>1LE24213BA112AA3</b>	9,956	30.60	564	93.6	460	45.0
	1800	324T	<b>1LE24213AB112AA3</b>	9,534	32.10	657	94.1	460	46.0
		324TS	<b>1LE24213BB112AA3</b>	9,534	30.60	657	94.1	460	46.0
	1200	364T	<b>1LE24213CC112AA3</b>	16,320	35.50	908	94.1	460	49.0
50	900	365T	<b>1LE24213CD212AA3</b>	22,856	35.50	866	91.7	460	55.0
	3600	326TS	<b>1LE24213BA212AA3</b>	12,656	30.60	597	93.6	460	55.0
	1800	326T	<b>1LE24213AB212AA3</b>	11,606	32.10	701	94.5	460	58.0
		326TS	<b>1LE24213BB212AA3</b>	11,606	30.60	701	94.5	460	58.0
	1200	365T	<b>1LE24213CC212AA3</b>	18,574	35.50	899	94.1	460	62.0
60	900	404T	<b>1LE24214AD112AA3</b>	26,604	39.40	1115	92.4	460	67.0
	3600	364TS	<b>1LE24213DA112AA3</b>	16,796	33.40	725	93.6	460	68.0
	1800	364T	<b>1LE24213CB112AA3</b>	16,506	35.50	932	95.0	460	68.0
		364TS	<b>1LE24213DB112AA3</b>	16,506	33.40	932	95.0	460	68.0
	1200	404T	<b>1LE24214AC112AA3</b>	21,198	39.40	1100	94.5	460	74.0
75	900	405T	<b>1LE24214AD212AA3</b>	29,854	39.40	1181	92.4	460	78.0
	3600	365TS	<b>1LE24213DA212AA3</b>	21,090	33.40	815	94.1	460	86.0
	1800	365T	<b>1LE24213CB212AA3</b>	20,558	35.50	998	95.4	460	85.0
		365TS	<b>1LE24213DB212AA3</b>	20,558	33.40	998	95.4	460	85.0
	1200	405T	<b>1LE24214AC212AA3</b>	24,736	39.40	1186	94.5	460	93.0
100	3600	405TS	<b>1LE24214BA212AA3</b>	28,014	36.40	1117	94.1	460	108.0
	1800	405T	<b>1LE24214AB212AA3</b>	25,398	39.40	1157	95.4	460	113.0
		405TS	<b>1LE24214BB212AA3</b>	25,398	36.40	1153	95.4	460	113.0

Cast iron frame

## SD100 IEEE841, foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt									
1	3600	143T	1LE24211AA113AA3	1,574	14.20	75	82.5	575	1.12
	1800	143T	1LE24211AB213AA3	1,524	14.20	77	85.5	575	1.12
	1200	145T	1LE24211AC313AA3	1,796	14.20	77	82.5	575	1.28
	900	182T	1LE24211CD113AA3	2,914	16.40	108	81.5	575	1.68
1 1/2	3600	143T	1LE24211AA213AA3	1,576	14.20	75	84.0	575	1.6
	1800	145T	1LE24211AB313AA3	1,644	14.20	79	86.5	575	1.68
	1200	182T	1LE24211CC113AA3	2,012	16.40	116	87.5	575	1.92
	900	184T	1LE24211CD313AA3	3,438	16.40	119	82.5	575	2.4
2	3600	145T	1LE24211AA313AA3	1,808	14.20	75	85.5	575	2.0
	1800	145T	1LE24211AB413AA3	1,756	14.20	79	86.5	575	2.24
	1200	184T	1LE24211CC313AA3	2,142	16.40	125	88.5	575	2.56
	900	213T	1LE24212AD113AA3	4,046	20.20	145	84.0	575	2.64
3	3600	182T	1LE24211CA113AA3	1,894	16.40	112	86.5	575	3.04
	1800	182T	1LE24211CB113AA3	1,814	16.40	121	89.5	575	3.2
	1200	213T	1LE24212AC113AA3	2,700	20.20	169	89.5	575	3.44
	900	215T	1LE24212AD213AA3	5,130	20.20	160	85.5	575	3.84
5	3600	184T	1LE24211CA313AA3	2,318	16.40	121	88.5	575	4.8
	1800	184T	1LE24211CB313AA3	2,078	16.40	127	89.5	575	5.2
	1200	215T	1LE24212AC213AA3	3,574	20.20	183	89.5	575	5.36
	900	254T	1LE24212BD113AA3	6,856	25.80	246	86.5	575	7.04
7 1/2	3600	213T	1LE24212AA113AA3	2,842	20.20	160	89.5	575	7.04
	1800	213T	1LE24212AB113AA3	2,760	20.20	189	91.7	575	7.76
	1200	254T	1LE24212BC113AA3	4,568	25.80	306	91.0	575	8.0
	900	256T	1LE24212BD213AA3	8,594	25.80	280	87.5	575	10.0
10	3600	215T	1LE24212AA213AA3	3,268	20.20	183	90.2	575	9.2
	1800	215T	1LE24212AB213AA3	3,304	20.20	196	91.7	575	10.0
	1200	256T	1LE24212BC213AA3	5,680	25.80	308	91.0	575	10.8
	900	284T	1LE24212CD113AA3	8,796	29.40	361	90.2	575	13.6
15	3600	254T	1LE24212BA113AA3	4,432	25.80	295	91.0	575	14.0
	1800	254T	1LE24212BB113AA3	4,354	25.80	291	92.4	575	15.2
	1200	284T	1LE24212CC113AA3	7,082	29.40	414	91.7	575	16.8
	900	286T	1LE24212CD213AA3	11,246	29.40	421	90.2	575	21.0
20	3600	256T	1LE24212BA213AA3	5,440	25.80	330	91.0	575	18.0
	1800	256T	1LE24212BB213AA3	5,612	25.80	328	93.0	575	20.0
	1200	286T	1LE24212CC213AA3	8,632	29.40	465	91.7	575	21.6
	900	324T	1LE24213AD113AA3	13,750	32.10	571	91.0	575	25.0
25	3600	284TS	1LE24212DA113AA3	6,462	28.00	407	91.7	575	23.2
	1800	284T	1LE24212CB113AA3	6,172	29.40	445	93.6	575	24.0
		284TS	1LE24212DB113AA3	6,172	28.00	434	93.6	575	24.0
	1200	324T	1LE24213AC113AA3	10,454	32.10	634	93.0	575	26.4
30	900	326T	1LE24213AD213AA3	15,972	32.10	582	90.2	575	32.0
	3600	286TS	1LE24212DA213AA3	7,550	28.00	429	91.7	575	27.2
	1800	286T	1LE24212CB213AA3	7,176	29.40	469	93.6	575	28.0
		286TS	1LE24212DB213AA3	7,176	28.00	469	93.6	575	28.0
40	1200	326T	1LE24213AC213AA3	12,044	32.10	668	93.0	575	31.2
	900	364T	1LE24213CD113AA3	18,906	35.50	740	91.7	575	33.0
40	3600	324TS	1LE24213BA113AA3	9,956	30.60	564	93.6	575	36.0

Cast iron frame

## SD100 IEEE841, foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt									
40	1800	324T	<b>1LE24213AB113AA3</b>	9,534	32.10	657	94.1	575	36.8
		324TS	<b>1LE24213BB113AA3</b>	9,534	30.60	657	94.1	575	36.8
	1200	364T	<b>1LE24213CC113AA3</b>	16,320	35.50	908	94.1	575	39.2
	900	365T	<b>1LE24213CD213AA3</b>	22,856	35.50	866	91.7	575	44.0
50	3600	326TS	<b>1LE24213BA213AA3</b>	12,656	30.60	597	93.6	575	44.0
		326T	<b>1LE24213AB213AA3</b>	11,606	32.10	701	94.5	575	46.4
	1800	326TS	<b>1LE24213BB213AA3</b>	11,606	30.60	701	94.5	575	46.4
		326T	<b>1LE24213AB213AA3</b>	11,606	32.10	701	94.5	575	46.4
60	1200	365T	<b>1LE24213CC213AA3</b>	18,574	35.50	899	94.1	575	49.6
		404T	<b>1LE24214AD113AA3</b>	26,604	39.40	1115	92.4	575	53.6
	3600	364TS	<b>1LE24213DA113AA3</b>	16,796	33.40	725	93.6	575	54.4
		364T	<b>1LE24213CB113AA3</b>	16,506	35.50	932	95.0	575	54.4
75	1800	364TS	<b>1LE24213DB113AA3</b>	16,506	33.40	932	95.0	575	54.4
		364T	<b>1LE24213CB113AA3</b>	16,506	35.50	932	95.0	575	54.4
	1200	404T	<b>1LE24214AC113AA3</b>	21,198	39.40	1100	94.5	575	59.2
		405T	<b>1LE24214AD213AA3</b>	29,854	39.40	1181	92.4	575	62.4
100	3600	365TS	<b>1LE24213DA213AA3</b>	21,090	33.40	815	94.1	575	68.8
		365T	<b>1LE24213CB213AA3</b>	20,558	35.50	998	95.4	575	68.0
	1800	365TS	<b>1LE24213DB213AA3</b>	20,558	33.40	998	95.4	575	68.0
		405T	<b>1LE24214AC213AA3</b>	24,736	39.40	1186	94.5	575	74.4
100	3600	405TS	<b>1LE24214BA213AA3</b>	28,014	36.40	1117	94.1	575	86.4
		405T	<b>1LE24214AB213AA3</b>	25,398	39.40	1157	95.4	575	90.4
	1800	405TS	<b>1LE24214BB213AA3</b>	25,398	36.40	1153	95.4	575	90.4

Cast iron frame

## SD100 IEEE841, C-face foot mounted



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
1	3600	143TC	<b>1LE24211AA112EA3</b>	1,786	14.20	72	82.5	460	1.4
	1800	143TC	<b>1LE24211AB212EA3</b>	1,736	14.20	77	85.5	460	1.4
1 1/2	3600	143TC	<b>1LE24211AA212EA3</b>	1,788	14.20	75	84.0	460	2.0
	1800	145TC	<b>1LE24211AB312EA3</b>	1,856	14.20	79	86.5	460	2.1
2	3600	145TC	<b>1LE24211AA312EA3</b>	2,020	14.20	70	85.5	460	2.5
	1800	145TC	<b>1LE24211AB412EA3</b>	1,968	14.20	79	86.5	460	2.8
3	3600	182TC	<b>1LE24211CA112EA3</b>	2,202	16.40	108	86.5	460	3.8
	1800	182TC	<b>1LE24211CB112EA3</b>	2,122	16.40	123	89.5	460	4.0
5	3600	184TC	<b>1LE24211CA312EA3</b>	2,626	16.40	121	88.5	460	6.0
	1800	184TC	<b>1LE24211CB312EA3</b>	2,386	16.40	127	89.5	460	6.5
7 1/2	3600	213TC	<b>1LE24212AA112EA3</b>	3,170	20.20	160	89.5	460	8.8
	1800	213TC	<b>1LE24212AB112EA3</b>	3,088	20.20	196	91.7	460	9.7
10	3600	215TC	<b>1LE24212AA212EA3</b>	3,596	20.20	174	90.2	460	11.5
	1800	215TC	<b>1LE24212AB212EA3</b>	3,632	20.20	196	91.7	460	12.5
15	3600	254TC	<b>1LE24212BA112EA3</b>	4,890	25.80	288	91.0	460	17.5
	1800	254TC	<b>1LE24212BB112EA3</b>	4,812	25.80	291	92.4	460	19.0
20	3600	256TC	<b>1LE24212BA212EA3</b>	5,898	25.80	328	91.0	460	22.5
	1800	256TC	<b>1LE24212BB212EA3</b>	6,070	25.80	328	93.0	460	25.0

Cast iron frame

## SD100 IEEE841, C-face footless



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
1	3600	143TC	<b>1LE24211AA112GA3</b>	1,754	14.20	72	82.5	460	1.4
	1800	143TC	<b>1LE24211AB212GA3</b>	1,704	14.20	77	85.5	460	1.4
1 1/2	3600	143TC	<b>1LE24211AA212GA3</b>	1,756	14.20	72	84.0	460	2.0
	1800	145TC	<b>1LE24211AB312GA3</b>	1,824	14.20	79	86.5	460	2.1
2	3600	145TC	<b>1LE24211AA312GA3</b>	1,988	14.20	70	85.5	460	2.5
	1800	145TC	<b>1LE24211AB412GA3</b>	1,936	14.20	79	86.5	460	2.8
3	3600	182TC	<b>1LE24211CA112GA3</b>	2,158	16.40	108	86.5	460	3.8
	1800	182TC	<b>1LE24211CB112GA3</b>	2,078	16.40	123	89.5	460	4.0
5	3600	184TC	<b>1LE24211CA312GA3</b>	2,582	16.40	121	88.5	460	6.0
	1800	184TC	<b>1LE24211CB312GA3</b>	2,342	16.40	127	89.5	460	6.5
7 1/2	3600	213TC	<b>1LE24212AA112GA3</b>	3,106	20.20	160	89.5	460	8.8
	1800	213TC	<b>1LE24212AB112GA3</b>	3,024	20.20	196	91.7	460	9.7
10	3600	215TC	<b>1LE24212AA212GA3</b>	3,532	20.20	174	90.2	460	11.5
	1800	215TC	<b>1LE24212AB212GA3</b>	3,568	20.20	196	91.7	460	12.5
15	3600	254TC	<b>1LE24212BA112GA3</b>	4,792	25.80	288	91.0	460	17.5
	1800	254TC	<b>1LE24212BB112GA3</b>	4,714	25.80	291	92.4	460	19.0
20	3600	256TC	<b>1LE24212BA212GA3</b>	5,800	25.80	328	91.0	460	22.5
	1800	256TC	<b>1LE24212BB212GA3</b>	5,972	25.80	328	93.0	460	25.0
575 volt									
1	3600	143TC	<b>1LE24211AA113GA3</b>	1,754	14.20	72	82.5	575	1.12
	1800	143TC	<b>1LE24211AB213GA3</b>	1,704	14.20	77	85.5	575	1.12
1 1/2	3600	143TC	<b>1LE24211AA213GA3</b>	1,756	14.20	72	84.0	575	1.6
	1800	145TC	<b>1LE24211AB313GA3</b>	1,824	14.20	79	86.5	575	1.68
2	3600	145TC	<b>1LE24211AA313GA3</b>	1,988	14.20	70	85.5	575	2.0
	1800	145TC	<b>1LE24211AB413GA3</b>	1,936	14.20	79	86.5	575	2.24
3	3600	182TC	<b>1LE24211CA113GA3</b>	2,158	16.40	108	86.5	575	3.04
	1800	182TC	<b>1LE24211CB113GA3</b>	2,078	16.40	123	89.5	575	3.2
5	3600	184TC	<b>1LE24211CA313GA3</b>	2,582	16.40	121	88.5	575	4.8
	1800	184TC	<b>1LE24211CB313GA3</b>	2,342	16.40	127	89.5	575	5.2
7 1/2	3600	213TC	<b>1LE24212AA113GA3</b>	3,106	20.20	160	89.5	575	7.04
	1800	213TC	<b>1LE24212AB113GA3</b>	3,024	20.20	196	91.7	575	7.76
10	3600	215TC	<b>1LE24212AA213GA3</b>	3,532	20.20	174	90.2	575	9.2
	1800	215TC	<b>1LE24212AB213GA3</b>	3,568	20.20	196	91.7	575	10.0
15	3600	254TC	<b>1LE24212BA113GA3</b>	4,792	25.80	288	91.0	575	14.0
	1800	254TC	<b>1LE24212BB113GA3</b>	4,714	25.80	291	92.4	575	15.2
20	3600	256TC	<b>1LE24212BA213GA3</b>	5,800	25.80	328	91.0	575	18.0
	1800	256TC	<b>1LE24212BB213GA3</b>	5,972	25.80	328	93.0	575	20.0

Cast iron frame

## SD200 841

### 75 thru 400 hp

IP56

#### Features

- Meets and exceeds the requirements of IEEE Std. 841-2021
- Full class H insulation system, Class B temp rise
- Inverter Duty nameplate
- Division 2, Class I, Groups A,B,C & D
- Division 2, Class II, Groups F&G
- Bidirectional fan
- Flexible centered and top mounting box
- 5-year warranty

#### Applications

- Pumps
- Fans
- Compressors
- Petrochemical
- Oil & Gas
- Paper mills
- Water and waste water

#### SD200 841, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
75	900	444T	<b>1LE63224BD112AA1</b>	40,480	43.60	1411	93.6	460	105.0
75	900	444TS	<b>1LE63224FD112AA1</b>	40,480	39.81	3085	93.6	460	105.0
75	900	R444T	<b>1LE63224SD112AA1</b>	41,740	43.60	1422	93.6	460	105.0
100	1200	444T	<b>1LE63224BC112AA1</b>	34,800	43.60	1452	95.0	460	128.0
		444TS	<b>1LE63224FC112AA1</b>	34,800	39.81	1463	95.0	460	128.0
		R444T	<b>1LE63224SC112AA1</b>	36,040	43.60	1463	95.0	460	128.0
	900	445T	<b>1LE63224BD212AA1</b>	49,620	43.60	1494	93.6	460	137.0
		445TS	<b>1LE63224FD212AA1</b>	49,620	39.81	3261	93.6	460	137.0
		R445T	<b>1LE63224SD212AA1</b>	50,860	43.60	1505	93.6	460	137.0
125	3600	444TS	<b>1LE63224FA112AA1</b>	36,700	39.81	1527	95.4	460	145.0
		444T	<b>1LE63224BB112AA1</b>	33,800	43.60	1510	95.4	460	154.0
		444TS	<b>1LE63224FB112AA1</b>	33,800	39.81	1519	95.4	460	154.0
	1800	R444T	<b>1LE63224SB112AA1</b>	35,040	43.60	1492	95.4	460	154.0
		445T	<b>1LE63224BC212AA1</b>	41,980	43.60	1538	95.0	460	155.0
		445TS	<b>1LE63224FC212AA1</b>	41,980	39.81	1494	95.0	460	155.0
	900	R445T	<b>1LE63224SC212AA1</b>	43,220	43.60	1552	95.0	460	155.0
		447T	<b>1LE63224CD112AA1</b>	50,960	47.03	1730	94.1	460	165.0
		447TS	<b>1LE63224GD112AA1</b>	50,960	43.28	2821	94.1	460	165.0
150	3600	R447T	<b>1LE63224TD112AA1</b>	52,200	47.03	1730	94.1	460	165.0
		445TS	<b>1LE63224FA212AA1</b>	42,920	39.81	1620	95.8	460	163.5
		445T	<b>1LE63224BB212AA1</b>	38,240	43.60	1638	96.2	460	186.4
	1800	445TS	<b>1LE63224FB212AA1</b>	38,240	39.81	1613	96.2	460	186.4
		R445T	<b>1LE63224SB212AA1</b>	39,480	43.60	1664	96.2	460	186.4

Cast iron frame

## SD200 841, foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
150	1200	447T	1LE63224CC112AA1	46,100	47.03	1792	95.8	460	178.2
		447TS	1LE63224GC112AA1	46,100	43.28	1746	95.8	460	178.2
		R447T	1LE63224TC112AA1	47,340	47.03	1803	95.8	460	178.2
	900	449TS	1LE63224GD212AA1	65,160	48.31	4308	94.1	460	205.0
		R449T	1LE63224TD212AA1	66,400	52.06	1966	94.1	460	205.0
		3600	447TS	1LE63224GA112AA1	53,820	43.28	1840	96.2	460
200	1800	447T	1LE63224CB112AA1	46,500	47.03	1854	96.2	460	224.4
		447TS	1LE63224GB112AA1	46,500	43.28	1713	96.2	460	224.4
		R447T	1LE63224TB112AA1	47,740	47.03	1770	96.2	460	224.4
	1200	449T	1LE63224CC212AA1	55,920	52.06	2123	95.8	460	221.3
		449TS	1LE63224GC212AA1	55,920	48.31	4565	95.8	460	243.0
		R449T	1LE63224TC212AA1	57,160	52.06	2134	95.8	460	221.3
		L449T	1LE63224DD112AA1	94,120	60.06	2577	94.5	460	261.0
	900	L449TS	1LE63224HD112AA1	94,120	56.43	5514	94.5	460	261.0
		RL449T	1LE63224UD112AA1	94,120	60.06	2577	94.5	460	261.0
		3600	449TS	1LE63224GA212AA1	68,500	48.31	2109	96.2	460
250	1800	449T	1LE63224CB212AA1	58,940	52.06	2138	96.2	460	287.4
		449TS	1LE63224GB212AA1	58,940	48.31	2094	96.2	460	287.4
		R449T	1LE63224TB212AA1	60,180	52.06	2116	96.2	460	287.4
	1200	449T	1LE63224CC312AA1	61,460	52.06	2279	95.8	460	292.1
		449TS	1LE63224GC312AA1	61,460	48.31	2279	95.8	460	306.0
		R449T	1LE63224TC312AA1	62,700	52.06	2290	95.8	460	292.1
		L449T	1LE63224DD212AA1	103,000	60.06	6277	95.0	460	322.0
	900	L449TS	1LE63224HD212AA1	103,000	56.43	6277	95.0	460	322.0
		RL449T	1LE63224UD212AA1	103,000	60.06	5683	95.0	460	322.0
		3600	449TS	1LE63224GA312AA1	86,980	48.31	2153	95.8	460
300	1800	449T	1LE63224CB312AA1	79,920	52.06	2169	96.2	460	365.0
		449TS	1LE63224GB312AA1	79,920	48.31	2169	96.2	460	365.0
		L449T	1LE63224DC112AA1	82,520	60.06	2844	95.8	460	364.0
	1200	L449TS	1LE63224HC112AA1	82,520	56.43	2795	95.8	460	364.0
		RL449T	1LE63224UC112AA1	83,740	60.06	2855	95.8	460	364.0
		3600	L449TS	1LE63224HA112AA1	104,060	56.43	2687	96.2	460
350	1800	L449T	1LE63224DB112AA1	96,360	60.06	2632	96.2	460	421.0
		RL449T	1LE63224UB112AA1	97,680	60.06	2641	96.2	460	421.0
		3600	L449TS	1LE63224HA212AA1	116,700	56.43	2861	96.2	460
400	1800	L449T	1LE63224DB212AA1	108,100	60.06	2733	96.2	460	487.0
		L449TS	1LE63224HB212AA1	108,100	56.43	2685	96.2	460	487.0
		575 volt							
75	900	444TS	1LE63224FD113AA1	40,480	39.81	3085	93.6	575	84.0
75	900	444T	1LE63224BD113AA1	40,480	43.60	1470	93.6	575	84.0
		R444T	1LE63224SD113AA1	41,740	43.60	3131	93.6	575	84.0
		100	1200	444T	1LE63224BC113AA1	34,800	43.60	1452	95.0
444TS	1LE63224FC113AA1			34,800	39.81	3199	95.0	575	102.0
900	445T		1LE63224BD213AA1	49,620	43.60	3287	93.6	575	109.6
	445TS		1LE63224FD213AA1	49,620	39.81	3261	93.6	575	109.6
	R445T	1LE63224SD213AA1	50,860	43.60	3311	93.6	575	109.6	
125	3600	444TS	1LE63224FA113AA1	36,700	39.81	1527	95.4	575	116.0

Cast iron frame

## SD200 841, foot mounted

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt									
125	1800	444T	1LE63224BB113AA1	33,800	43.60	1510	95.4	575	123.2
		R444T	1LE63224SB113AA1	35,040	43.60	1543	95.4	575	123.2
	1200	445T	1LE63224BC213AA1	41,980	43.60	1538	95.0	575	124.0
		445TS	1LE63224FC213AA1	41,980	39.81	3287	95.0	575	124.0
		R445T	1LE63224SC213AA1	43,220	43.60	1552	95.0	575	124.0
	900	447T	1LE63224CD113AA1	50,960	47.03	1797	94.1	575	132.0
		447TS	1LE63224GD113AA1	50,960	43.28	2816	94.1	575	132.0
		R447T	1LE63224TD113AA1	52,200	47.03	3806	94.1	575	132.0
	150	1800	445T	1LE63224BB213AA1	38,240	43.60	1638	96.2	575
445TS			1LE63224FB213AA1	38,240	39.81	1613	96.2	575	149.6
R445T			1LE63224SB213AA1	39,480	43.60	1664	96.2	575	149.6
1200		447T	1LE63224CC113AA1	46,100	47.03	1792	95.8	575	146.0
		447TS	1LE63224GC113AA1	46,100	43.28	3842	95.8	575	146.0
		R447T	1LE63224TC113AA1	47,340	47.03	1870	95.8	575	146.0
900		449T	1LE63224CD213AA1	65,160	52.06	4328	94.1	575	164.0
		449TS	1LE63224GD213AA1	65,160	48.31	4308	94.1	575	164.0
		R449T	1LE63224TD213AA1	66,400	52.06	4326	94.1	575	164.0
200	1800	447T	1LE63224CB113AA1	46,500	47.03	1854	96.2	575	197.6
		447TS	1LE63224GB113AA1	46,500	43.28	1818	96.2	575	197.6
		R447T	1LE63224TB113AA1	47,740	47.03	1854	96.2	575	197.6
	1200	449T	1LE63224CC213AA1	55,920	52.06	2123	95.8	575	194.0
		449TS	1LE63224GC213AA1	55,920	48.31	4565	95.8	575	194.0
		R449T	1LE63224TC213AA1	57,160	52.06	2134	95.8	575	194.0
	900	L449T	1LE63224DD113AA1	94,120	60.06	2572	94.5	575	208.8
		L449TS	1LE63224HD113AA1	94,120	56.43	5514	94.5	575	208.8
		RL449T	1LE63224UD113AA1	94,120	60.06	5674	94.5	575	208.8
250	1800	449T	1LE63224CB213AA1	58,940	52.06	2138	96.2	575	244.0
		R449T	1LE63224TB213AA1	60,180	52.06	2116	96.2	575	244.0
	1200	449T	1LE63224CC313AA1	61,460	52.06	5016	95.8	575	245.0
		449TS	1LE63224GC313AA1	61,460	48.31	4917	95.8	575	245.0
		R449T	1LE63224TC313AA1	62,700	52.06	2290	95.8	575	245.0
	900	L449T	1LE63224DD213AA1	103,000	60.06	6277	95.0	575	258.4
		L449TS	1LE63224HD213AA1	103,000	56.43	6277	95.0	575	258.4
		RL449T	1LE63224UD213AA1	103,000	60.06	5683	95.0	575	258.4
	300	1800	449T	1LE63224CB313AA1	79,920	52.06	4662	96.2	575
449TS			1LE63224GB313AA1	79,920	48.31	4774	96.2	575	292.0
1200		L449T	1LE63224DC113AA1	82,520	60.06	6226	95.8	575	291.2
		L449TS	1LE63224HC113AA1	82,520	56.43	6154	95.8	575	291.2
		RL449T	1LE63224UC113AA1	83,740	60.06	6281	95.8	575	291.2
350	3600	L449TS	1LE63224HA113AA1	104,060	56.43	5914	96.2	575	304.0
		L449T	1LE63224DB113AA1	96,360	60.06	5716	96.2	575	336.8
	1800	L449TS	1LE63224HB113AA1	96,360	56.43	5716	96.2	575	336.8
		RL449T	1LE63224UB113AA1	97,680	60.06	5813	96.2	575	336.8
		L449T	1LE63224DB213AA1	108,100	60.06	5874	96.2	575	389.6
400	1800	L449TS	1LE63224HB213AA1	108,100	56.43	5907	96.2	575	389.6
		RL449T	1LE63224UB213AA1	109,340	60.06	5874	96.2	575	389.6

Cast iron frame

**SD661****5 thru 75 hp****IP56****Features**

- Exceeds the requirements of IEEE Std. 841-2021
- Roller bearing for belted applications, 40,000 hours of L10 life per API 661
- Division 2, Class I, Groups A,B,C & D
- Division 2, Class II, Groups F&G (280-360 frame)
- Insulation Class F, Class B temp rise
- Inverter Duty nameplate
- Bidirectional fan
- 5-year warranty

**Applications**

- Belt driven heat exchangers
- Petrochemical
- Oil & Gas
- Paper mills
- Water and waste water

**SD661, foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
5	1800	184T	<b>1LE24221CB312AA3</b>	2,078	16.40	134	89.5	460	6.5
7 1/2	1800	213T	<b>1LE24222AB112AA3</b>	3,136	20.20	176	91.7	460	9.7
	1200	254T	<b>1LE24222BC112AA3</b>	5,084	25.80	306	91.0	460	10.0
10	1800	215T	<b>1LE24222AB212AA3</b>	3,684	20.20	180	91.7	460	12.5
	1200	256T	<b>1LE24222BC212AA3</b>	6,294	25.80	308	91.0	460	13.5
15	1800	254T	<b>1LE24222BB112AA3</b>	4,870	25.80	286	92.4	460	19.0
	1200	284T	<b>1LE24222CC112AA3</b>	7,736	29.40	419	91.7	460	21.0
20	1800	256T	<b>1LE24222BB212AA3</b>	6,226	25.80	310	93.0	460	25.0
	1200	286T	<b>1LE24222CC212AA3</b>	9,276	29.40	451	91.7	460	27.0
25	1800	284T	<b>1LE24222CB112AA3</b>	6,826	29.40	445	93.6	460	30.0
	1200	324T	<b>1LE24223AC112AA3</b>	11,272	32.10	610	93.0	460	33.0
30	1800	286T	<b>1LE24222CB212AA3</b>	7,820	29.40	478	93.6	460	35.0
	1200	326T	<b>1LE24223AC212AA3</b>	12,896	32.10	630	93.0	460	39.0
40	1800	324T	<b>1LE24223AB112AA3</b>	10,352	32.10	641	94.1	460	46.0
	1200	364T	<b>1LE24223CC112AA3</b>	17,318	35.50	837	94.1	460	49.0
50	1800	326T	<b>1LE24223AB212AA3</b>	12,458	32.10	701	94.5	460	58.0
	1200	365T	<b>1LE24223CC212AA3</b>	19,644	35.50	870	94.1	460	62.0
60	1800	364T	<b>1LE24223CB112AA3</b>	17,504	35.50	937	95.0	460	68.0
75	1800	365T	<b>1LE24223CB212AA3</b>	21,628	35.50	996	95.4	460	85.0

 Cast iron frame

## SD10 MS - Two speed motors

### 1 thru 250 Hp

IP55

#### Features

- Insulation Class F, Class B Temp rise
- Dual speed ratings
- Full cast iron construction
- Bidirectional fan

#### Applications

- Pumps
- Fans
- Compressors
- Petrochemical
- Oil & Gas
- Paper mills
- Water and waste water

#### SD10 MS, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps
Variable torque, one winding								
460 volt								
1/.25	1800/900	143T	1LE23011AM240AA3	1,544	14.37	66	460	1.6
1.5/.37	1800/900	145T	1LE23011AM340AA3	1,712	14.37	70	460	2.3
2/.5	1800/900	182T	1LE23011CM140AA3	1,896	16.68	108	460	3.4
5/1.25	1800/900	184T	1LE23011CM440AA3	2,366	16.40	105	460	7.7
		213T	1LE23012AM140AA3	2,458	20.65	141	460	7.7
7.5/1.9	1800/900	213T	1LE23012AM740AA3	2,160	20.65	141	460	9.6
		215T	1LE23012AM240AA3	3,234	20.65	169	460	9.6
10/2.5	1800/900	215T	1LE23012AM840AA3	2,600	20.20	169	460	12.5
		254T	1LE23012BM140AA3	4,012	26.16	257	460	12.5
15/3.75	1800/900	254T	1LE23012BM740AA3	3,360	26.16	255	460	18.5
		256T	1LE23012BM240AA3	5,284	26.16	264	460	18.0
20/5	1800/900	256T	1LE23012BM840AA3	4,240	26.16	271	460	27.0
		284T	1LE23012CM140AA3	6,586	27.40	374	460	25.0
25/6.25	1800/900	284T	1LE23012CM740AA3	5,080	27.40	429	460	30.0
		286T	1LE23012CM240AA3	7,810	27.40	498	460	30.0
30/7.5	1800/900	286T	1LE23012CM840AA3	5,950	27.40	498	460	35.0
		324T	1LE23013AM140AA3	9,104	32.00	564	460	35.0
40/10	1800/900	326T	1LE23013AM240AA3	12,094	32.00	599	460	46.0
50/12.5	1800/900	364T	1LE23013CM140AA3	14,854	34.20	738	460	58.0
60/15	1800/900	365T	1LE23013CM240AA3	21,310	34.20	875	460	93.3
75/19	1800/900	405T	1LE23014AM240AA3	27,012	39.50	1300	460	86.0
100/25	1800/900	444T	1LE23014CM140AA3	31,742	45.60	1624	460	118.0
		B444T	1LE23014EM140AA3	30,526	45.60	1624	460	118.0
125/31	1800/900	445TS	1LE23014DM140AA3	30,526	41.80	1624	460	118.0
		445TS	1LE23014DM240AA3	38,878	41.80	1900	460	158.0

Cast iron frame

**SD10 MS, foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Voltage	Full Load Amps
460 volt								
125/31	1800/900	B445T	<b>1LE23014EM240AA3</b>	38,878	45.60	1900	460	158.0
150/37.5	1800/900	447TS	<b>1LE23014DM340AA3</b>	46,926	45.40	2281	460	176.0
		B447T	<b>1LE23014EM340AA3</b>	46,926	49.10	2279	460	176.0
200/50	1800/900	449TS	<b>1LE23014DM540AA3</b>	56,426	50.30	2601	460	230.0
		B449T	<b>1LE23014EM540AA3</b>	56,426	54.10	2599	460	230.0
250/62.5	1800/900	449TS	<b>1LE23014DM640AA3</b>	77,912	50.30	2599	460	289.0
		B449T	<b>1LE23014EM640AA3</b>	77,912	54.10	2599	460	289.0

■ Cast iron frame

## DP200 Crush+

### 100 thru 600 Hp

IP65

#### Features

- High torque NEMA design A
- High start and brakedown torque
- Oversize roller bearings
- Full class H insulation system, Class B Temp rise
- Division 2, Class I, Groups A,B,C & D
- Division 2, Class II, Groups F&G
- Inverter Duty nameplate
- Centered and top mounting box
- Bidirectional fan

#### Applications

- Crushers
- Cement
- Aggregate
- Above ground mining
- Bulk Material Handling
- Belt conveyors

#### DP200 Crush+, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
100	1200	R444T	<b>1PC65254SC112AA1</b>	39,400	44.00	1897	95.0	460	128.0
125	1800	R444T	<b>1PC65254SB112AA1</b>	30,500	44.00	1347	95.4	460	164.0
	1200	R445T	<b>1PC65254SC212AA1</b>	41,340	44.00	1716	95.0	460	158.0
150	1800	R445T	<b>1PC65254SB212AA1</b>	35,320	44.00	1511	95.8	460	194.0
	1200	R447T	<b>1PC65254TC112AA1</b>	47,540	47.50	1914	95.8	460	198.0
200	1800	R447T	<b>1PC65254TB112AA1</b>	43,620	47.50	1687	96.2	460	254.0
	1200	R449T	<b>1PC65254TC212AA1</b>	57,900	52.50	2307	95.8	460	250.0
250	1800	R449T	<b>1PC65254TB212AA1</b>	54,180	52.50	2117	96.2	460	309.0
	1200	R449T	<b>1PC65254TC312AA1</b>	73,460	52.50	2250	95.8	460	310.0
		R586	<b>1PC65255TC212AA1</b>	114,790	73.10	5510	95.8	460	293.0
300	1800	R449T	<b>1PC65254TB312AA1</b>	63,620	52.50	2298	96.2	460	383.0
		R586	<b>1PC65255TB112AA1</b>	84,150	73.10	4374	96.2	460	356.0
	1200	R586	<b>1PC65255TC312AA1</b>	116,120	73.10	4425	95.8	460	356.0
RL449T		<b>1PC65254UC112AA1</b>	84,770	61.10	2819	95.8	460	386.0	
350	1800	R586	<b>1PC65255TB212AA1</b>	87,290	73.10	4387	96.2	460	418.0
		RL449T	<b>1PC65254UB112AA1</b>	74,020	61.10	2613	96.2	460	422.0
	1200	R587	<b>1PC65255TC412AA1</b>	120,700	73.10	4665	96.2	460	417.0
R5010		<b>1PC65255RC212AA1</b>	120,710	73.10	4334	96.2	460	417.0	
400	1800	R586	<b>1PC65255TB312AA1</b>	89,760	73.10	4431	96.2	460	479.0
		RL449T	<b>1PC65254UB212AA1</b>	84,390	61.10	2770	96.2	460	495.0
	1200	R587	<b>1PC65255TC512AA1</b>	129,250	73.10	4814	96.2	460	478.0
R5011		<b>1PC65255RC812AA1</b>	123,950	73.10	3028	96.2	460	478.0	

Cast iron frame

Red catalog number indicates **NEW** product

**DP200 Crush+, foot mounted**

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
450	1800	R587	<b>1PC65255TB512AA1</b>	91,620	73.10	4643	96.5	460	531.0
		R5010	<b>1PC65255RB212AA1</b>	90,700	73.10	4661	96.5	460	531.0
	1200	R589	<b>1PC65255UC412AA1</b>	140,180	73.10	5684	96.2	460	529.0
500	1800	R587	<b>1PC65255TB612AA1</b>	96,310	73.10	5016	96.7	460	578.0
		R5011	<b>1PC65255RB812AA1</b>	95,350	73.10	4413	96.7	460	578.0
	1200	R5810	<b>1PC65255UC512AA1</b>	149,950	81.00	5821	96.2	460	590.0
600	1800	R588	<b>1PC65255TB712AA1</b>	102,520	73.10	5071	96.7	460	691.0
	1200	R5811	<b>1PC65255UC612AA1</b>	157,660	81.00	5704	96.2	460	708.0

Cast iron frame

Red catalog number indicates **NEW** product

TOC

INFO

GP

SD

**XP**

PUMP

VHS

PARTS

MODX

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# Explosion Proof



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# Explosion Proof

Explosion Proof low voltage ABB NEMA motors are not only designed and built to operate under harsh environments in the industry and meet or exceed the NEMA Premium® efficiency, but they also comply with the highest requirements for safety and protection established by the NFPA 70 code NEC®. The motors are prepared for gas and dust hazardous atmospheres and the IP65 ingress protection provides reliability and safety assurance in all cases.



XP100



XP100 ID1

Product Line		XP100	XP100 ID1
NEMA Frame	Frame size range	140T - 449T	140T - 449T
Hp	3600 RPM	1 - 300	1 - 300
	1800 RPM	1 - 300	1 - 300
	1200 RPM	1 - 250	1 - 200
	900 RPM	1 - 200	-
Voltage 60 Hz	230/460V (1 - 100HP)	S	S
	460V	S	S
	575V	S	S
Division 1 Certifications			
Class & Group	Class I, Group C & D & Class II, Group F & G	S	-
	Class I, Group C & D	-	S
Electrical features			
Efficiency	ABB NEMA motors meet or exceed all efficiency requirements for US, Canada and Mexico regulations	S	S
Service factor at ambient	1.15 @ 55°C (Temp Code T3C)	143T - 365T	143T - 449T
	1.15 @ 55°C (Temp Code T2A)	-	143T - 449T
	1.15 @ 55°C (Temp Code T3)	364T - 447T	-
	1.15 @ 40°C (Temp Code T3C)	364T - 447T	-
	1.0 @ 40°C (Temp Code T3C)	449T	-
Temp rise	Class F insulation with Class B rise @ 1.0 service factor	S	S
Inverter	Variable Torque 20:1	S	S
	Constant Torque 4:1 (140 - 447 frames)	S	S
Mechanical features			
Frame	Cast iron frame - cast iron endplates	S	S
Fan cover	Cast iron fan cover	S	S
Conduit box	Oversized cast iron	S	S
IP code	IP65	S	S
Other Key Features			
Warranty	Warranty - in number of months from shipment	36	36

S = Standard A = Available through Mod Express® or as custom

# XP100

## 1 thru 300 hp

IP65\*

### Features

- Class F insulation, Class B temp rise
- Division 1 Class I, Group C&D
- Division 1 Class II, Group F&G
- Inverter Duty nameplate
- All cast iron construction
- UL & CSA certified
- Double-shielded regreaseable inlet and outlet
- NEMA Premium efficient
- Bidirectional fan

### Applications

- Pumps
- Fans
- Compressors
- Petrochemical
- Oil & Gas
- Paper mills
- Water and waste water

### XP100, foot mounted

\*IP66 for 360 frame and larger



Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt											
1	1800	143T	<b>1MB21211AB214AG3</b>	Ⓢ	T3C	1,724	15.27	77	85.5	230/460	1.4
	1200	145T	<b>1MB21211AC314AG3</b>	Ⓢ	T3C	2,028	15.27	88	82.5	230/460	1.6
	900	182T	<b>1MB21211CD114AG3</b>	Ⓢ	T3C	3,748	16.87	99	81.5	230/460	2.1
1 1/2	3600	143T	<b>1MB21211AA214AG3</b>	Ⓢ	T3C	1,810	15.27	77	84.0	230/460	2.0
	1800	145T	<b>1MB21211AB314AG3</b>	Ⓢ	T3C	1,854	15.27	88	86.5	230/460	2.1
	1200	182T	<b>1MB21211CC114AG3</b>	Ⓢ	T3C	2,212	16.87	105	87.5	230/460	2.4
2	900	184T	<b>1MB21211CD314AG3</b>	Ⓢ	T3C	4,412	16.87	125	82.5	230/460	3.0
	3600	145T	<b>1MB21211AA314AG3</b>	Ⓢ	T3C	2,056	15.27	63	85.5	230/460	2.5
	1800	145T	<b>1MB21211AB414AG3</b>	Ⓢ	T3C	1,980	15.27	88	86.5	230/460	2.7
3	1200	184T	<b>1MB21211CC314AG3</b>	Ⓢ	T3C	2,498	16.87	125	88.5	230/460	3.2
	900	213T	<b>1MB21212AD114AG3</b>	Ⓢ	T3C	5,278	19.97	160	84.0	230/460	3.3
	3600	182T	<b>1MB21211CA114AG3</b>	Ⓢ	T3C	2,246	16.87	88	86.5	230/460	3.8
5	1800	182T	<b>1MB21211CB114AG3</b>	Ⓢ	T3C	2,230	16.87	112	89.5	230/460	4.0
	1200	213T	<b>1MB21212AC114AG3</b>	Ⓢ	T3C	3,044	19.97	174	89.5	230/460	4.3
	900	215T	<b>1MB21212AD214AG3</b>	Ⓢ	T3C	6,340	19.97	172	85.5	230/460	4.8
7 1/2	3600	184T	<b>1MB21211CA314AG3</b>	Ⓢ	T3C	3,004	16.87	105	88.5	230/460	6.0
	1800	184T	<b>1MB21211CB314AG3</b>	Ⓢ	T3C	2,732	16.87	125	89.5	230/460	6.4
	1200	215T	<b>1MB21212AC214AG3</b>	Ⓢ	T3C	4,342	19.97	180	89.5	230/460	6.7
10	900	254T	<b>1MB21212BD114AG3</b>	Ⓢ	T3C	7,232	25.77	271	86.5	230/460	8.8
	3600	213T	<b>1MB21212AA114AG3</b>	Ⓢ	T3C	3,390	19.97	165	89.5	230/460	8.8
	1800	213T	<b>1MB21212AB114AG3</b>	Ⓢ	T3C	3,360	19.97	196	91.7	230/460	9.7
15	1200	254T	<b>1MB21212BC114AG3</b>	Ⓢ	T3C	5,254	25.77	284	91.0	230/460	10.0

Ⓢ = Class I, Group C & D, Class II, Group F & G

■ Cast iron frame

## XP100, foot mounted

\*IP66 for 360 frame and larger

Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	
230/460 volt												
7 1/2	900	256T	<b>1MB21212BD214AG3</b>	⑤	T3C	8,262	25.77	299	87.5	230/460	12.5	
	3600	215T	<b>1MB21212AA214AG3</b>	⑤	T3C	3,930	19.97	176	90.2	230/460	11.5	
	10	1800	215T	<b>1MB21212AB214AG3</b>	⑤	T3C	3,990	19.97	202	91.7	230/460	12.5
		1200	256T	<b>1MB21212BC214AG3</b>	⑤	T3C	6,376	25.77	304	91.0	230/460	13.5
15	900	284T	<b>1MB21212CD116AG3</b>	⑤	T3C	10,248	29.40	487	90.2	230/460	17.0	
	3600	254T	<b>1MB21212BA114AG3</b>	⑤	T3C	5,342	25.77	282	91.0	230/460	17.5	
	1800	254T	<b>1MB21212BB114AG3</b>	⑤	T3C	5,246	25.77	306	92.4	230/460	19.0	
	1200	284T	<b>1MB21212CC116AG3</b>	⑤	T3C	8,830	29.40	480	91.7	230/460	21.0	
20	900	286T	<b>1MB21212CD216AG3</b>	⑤	T3C	13,148	29.40	522	90.2	230/460	26.0	
	3600	256T	<b>1MB21212BA214AG3</b>	⑤	T3C	6,592	25.77	308	91.0	230/460	22.5	
	1800	256T	<b>1MB21212BB214AG3</b>	⑤	T3C	6,504	25.77	341	93.0	230/460	25.0	
	1200	286T	<b>1MB21212CC216AG3</b>	⑤	T3C	10,774	29.40	507	91.7	230/460	27.0	
25	900	324T	<b>1MB21213AD116AG3</b>	⑤	T3C	16,964	32.08	634	91.0	230/460	31.0	
	3600	284TS	<b>1MB21212DA116AG3</b>	⑤	T3C	8,150	28.03	526	91.7	230/460	29.0	
	1800	284T	<b>1MB21212CB116AG3</b>	⑤	T3C	7,824	29.40	487	93.6	230/460	30.0	
	1200	324T	<b>1MB21213AC116AG3</b>	⑤	T3C	13,000	32.08	743	93.0	230/460	33.0	
30	3600	286TS	<b>1MB21212DA216AG3</b>	⑤	T3C	9,514	28.03	520	91.7	230/460	34.0	
	1800	286T	<b>1MB21212CB216AG3</b>	⑤	T3C	9,092	29.40	511	93.6	230/460	35.0	
	1200	326T	<b>1MB21213AC216AG3</b>	⑤	T3C	15,036	32.08	681	93.0	230/460	39.0	
	900	364T	<b>1MB21213CD116AG3</b>	⑤	T3C	20,840	35.28	859	91.7	230/460	41.0	
40	3600	324TS	<b>1MB21213BA116AG3</b>	⑤	T3C	12,088	30.58	606	93.6	230/460	45.0	
	1800	324T	<b>1MB21213AB116AG3</b>	⑤	T3C	11,626	32.08	652	94.1	230/460	46.0	
	1200	364T	<b>1MB21213CC116AG3</b>	⑤	T3C	19,384	35.28	835	94.1	230/460	49.0	
50	3600	326TS	<b>1MB21213BA216AG3</b>	⑤	T3C	15,416	30.58	610	93.6	230/460	55.0	
	1800	326T	<b>1MB21213AB216AG3</b>	⑤	T3C	14,162	32.08	694	94.5	230/460	58.0	
	1200	365T	<b>1MB21213CC216AG3</b>	⑤	T3C	22,382	35.28	864	94.1	230/460	62.0	
	900	404T	<b>1MB21214AD116AG3</b>	⑤	T3C	31,956	39.52	1049	92.4	230/460	67.0	
60	3600	364TS	<b>1MB21213DA116AG3</b>	⑤	T3C	18,698	33.16	789	93.6	230/460	68.0	
	1800	364T	<b>1MB21213CB116AG3</b>	⑤	T3C	18,496	35.28	890	95.0	230/460	68.0	
	1200	404T	<b>1MB21214AC116AG3</b>	⑤	T3C	24,840	39.52	1053	94.5	230/460	74.0	
	900	405T	<b>1MB21214AD216AG3</b>	⑤	T3C	36,332	39.52	1042	92.4	230/460	78.0	
75	3600	365TS	<b>1MB21213DA216AG3</b>	⑤	T3C	22,800	33.16	945	94.1	230/460	86.0	
	1800	365T	<b>1MB21213CB216AG3</b>	⑤	T3C	22,738	35.28	961	95.4	230/460	85.0	
	1200	405T	<b>1MB21214AC216AG3</b>	⑤	T3C	28,526	39.52	1025	94.5	230/460	93.0	
100	3600	405TS	<b>1MB21214BA216AG3</b>	⑤	T3C	32,106	36.52	1020	94.1	230/460	108.0	
	1800	405T	<b>1MB21214AB216AG3</b>	⑤	T3C	29,804	39.52	1150	95.4	230/460	113.0	
	1200	444T	<b>1MB21214CC116AG3</b>	⑤	T3C	41,360	45.58	1552	95.0	230/460	117.0	
	900	445T	<b>1MB21214CD216AG3</b>	⑤	T3C	47,432	45.58	1770	94.1	230/460	123.0	
460 volt												
125	3600	444TS	<b>1MB21214DA112AG3</b>	⑤	T3C	39,146	41.83	1450	95.0	460	138.0	
		444T	<b>1MB21214CB112AG3</b>	⑤	T3C	37,778	45.58	1631	95.4	460	143.0	
	1800	444TS	<b>1MB21214DB112AG3</b>	⑤	T3C	36,562	41.83	1596	95.4	460	143.0	
		B444T	<b>1MB21214EB112AG3</b>	⑤	T3C	36,562	45.58	1622	95.4	460	143.0	
	1200	445T	<b>1MB21214CC212AG3</b>	⑤	T3C	46,504	45.58	1770	95.0	460	144.0	

⑤ = Class I, Group C &amp; D, Class II, Group F &amp; G

Cast iron frame

**XP100, foot mounted**

\*IP66 for 360 frame and larger

Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt											
150	3600	445TS	<b>1MB21214DA212AG3</b>	Ⓢ	T3C	48,096	41.83	1611	95.0	460	159.63
		445T	<b>1MB21214CB212AG3</b>	Ⓢ	T3C	44,782	45.58	1935	95.8	460	164.8
	1800	445TS	<b>1MB21214DB212AG3</b>	Ⓢ	T3C	43,566	41.83	1706	95.8	460	164.8
		B445T	<b>1MB21214EB212AG3</b>	Ⓢ	T3C	43,566	45.58	1792	95.8	460	164.8
	1200	447T	<b>1MB21214CC312AG3</b>	Ⓢ	T3C	53,450	49.08	2041	95.8	460	140.9
200	900	449T	<b>1MB21214CD512AG3</b>	Ⓢ	T3C	73,908	54.08	2427	94.1	460	180.0
	3600	447TS	<b>1MB21214DA312AG3</b>	Ⓢ	T3C	61,426	45.33	2250	95.4	460	185.39
		447T	<b>1MB21214CB312AG3</b>	Ⓢ	T3C	54,896	49.08	2409	96.2	460	201.6
	1800	447TS	<b>1MB21214DB312AG3</b>	Ⓢ	T3C	53,680	45.33	2250	96.2	460	201.6
		B447T	<b>1MB21214EB312AG3</b>	Ⓢ	T3C	53,680	49.08	2429	96.2	460	201.6
	1200	449T	<b>1MB21214CC512AG3</b>	Ⓢ	T3C	63,518	54.08	2444	95.8	460	210.6
	B449T	<b>1MB21214EC512AG3</b>	Ⓢ	T3C	62,302	54.08	2440	95.8	460	210.6	
900	449T	<b>1MB21214CD612AG3</b>	Ⓢ	T3C	79,330	54.08	2427	94.5	460	240.0	
250	3600	449TS	<b>1MB21214DA512AG3</b>	Ⓢ	T3C	75,146	50.33	2301	95.8	460	243.0
		449T	<b>1MB21214CB512AG3</b>	Ⓢ	T3C	65,762	54.08	2411	96.2	460	264.5
	1800	449TS	<b>1MB21214DB512AG3</b>	Ⓢ	T3C	64,546	50.33	2383	96.2	460	264.5
		B449T	<b>1MB21214EB512AG3</b>	Ⓢ	T3C	64,546	54.08	2447	96.2	460	264.5
	1200	449TS	<b>1MB21214DC612AG3</b>	Ⓢ	T3C	76,190	50.33	2400	95.8	460	281.0
300	3600	449TS	<b>1MB21214DA612AG3</b>	Ⓢ	T3C	110,452	50.33	2301	95.8	460	325.0
		449T	<b>1MB21214CB612AG3</b>	Ⓢ	T3C	84,166	54.08	2411	96.2	460	338.0
	1800	449TS	<b>1MB21214DB612AG3</b>	Ⓢ	T3C	82,950	50.33	2383	96.2	460	338.0
		B449T	<b>1MB21214EB612AG3</b>	Ⓢ	T3C	82,950	54.08	2447	96.2	460	338.0
575 volt											
1	1800	143T	<b>1MB21211AB213AG3</b>	Ⓢ	T3C	1,724	15.27	77	85.5	575	1.12
	1200	145T	<b>1MB21211AC313AG3</b>	Ⓢ	T3C	2,028	15.27	88	82.5	575	1.28
	900	182T	<b>1MB21211CD113AG3</b>	Ⓢ	T3C	3,748	16.87	99	81.5	575	1.68
1 1/2	3600	143T	<b>1MB21211AA213AG3</b>	Ⓢ	T3C	1,810	15.27	55	84.0	575	1.6
	1800	145T	<b>1MB21211AB313AG3</b>	Ⓢ	T3C	1,854	15.27	88	86.5	575	1.68
	1200	182T	<b>1MB21211CC113AG3</b>	Ⓢ	T3C	2,212	16.87	105	87.5	575	1.92
2	900	184T	<b>1MB21211CD313AG3</b>	Ⓢ	T3C	4,412	16.87	125	82.5	575	2.4
	3600	145T	<b>1MB21211AA313AG3</b>	Ⓢ	T3C	2,056	15.27	63	85.5	575	2.0
		1800	145T	<b>1MB21211AB413AG3</b>	Ⓢ	T3C	1,980	15.27	88	86.5	575
	1200	184T	<b>1MB21211CC313AG3</b>	Ⓢ	T3C	2,498	16.87	125	88.5	575	2.56
3	900	213T	<b>1MB21212AD113AG3</b>	Ⓢ	T3C	5,278	19.97	160	84.0	575	2.64
	3600	182T	<b>1MB21211CA113AG3</b>	Ⓢ	T3C	2,246	16.87	88	86.5	575	3.04
		1800	182T	<b>1MB21211CB113AG3</b>	Ⓢ	T3C	2,230	16.87	112	89.5	575
	1200	213T	<b>1MB21212AC113AG3</b>	Ⓢ	T3C	3,044	19.97	174	89.5	575	3.44
	900	215T	<b>1MB21212AD213AG3</b>	Ⓢ	T3C	6,340	19.97	172	85.5	575	3.84
5	3600	184T	<b>1MB21211CA313AG3</b>	Ⓢ	T3C	3,004	16.87	105	88.5	575	4.8
	1800	184T	<b>1MB21211CB313AG3</b>	Ⓢ	T3C	2,732	16.87	125	89.5	575	5.12
	1200	215T	<b>1MB21212AC213AG3</b>	Ⓢ	T3C	4,342	19.97	180	89.5	575	5.36
7 1/2	3600	213T	<b>1MB21212AA113AG3</b>	Ⓢ	T3C	3,390	19.97	165	89.5	575	7.04
	1800	213T	<b>1MB21212AB113AG3</b>	Ⓢ	T3C	3,360	19.97	187	91.7	575	7.76
	1200	254T	<b>1MB21212BC113AG3</b>	Ⓢ	T3C	5,254	25.77	284	91.0	575	8.0

Ⓢ= Class I, Group C & D, Class II, Group F & G

■ Cast iron frame

## XP100, foot mounted

\*IP66 for 360 frame and larger

Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt											
10	3600	215T	1MB21212AA213AG3	⑤	T3C	3,930	19.97	176	90.2	575	9.2
	1800	215T	1MB21212AB213AG3	⑤	T3C	3,990	19.97	191	91.7	575	10.0
	1200	256T	1MB21212BC213AG3	⑤	T3C	6,376	25.77	304	91.0	575	10.8
	900	284T	1MB21212CD113AG3	⑤	T3C	10,248	29.40	487	90.2	575	13.6
15	3600	254T	1MB21212BA113AG3	⑤	T3C	5,342	25.77	282	91.0	575	14.0
	1800	254T	1MB21212BB113AG3	⑤	T3C	5,246	25.77	306	92.4	575	15.2
	1200	284T	1MB21212CC113AG3	⑤	T3C	8,830	29.40	480	91.7	575	16.8
	900	286T	1MB21212CD213AG3	⑤	T3C	13,148	29.40	522	90.2	575	21.0
20	3600	256T	1MB21212BA213AG3	⑤	T3C	6,592	25.77	308	91.0	575	18.0
	1800	256T	1MB21212BB213AG3	⑤	T3C	6,504	25.77	341	93.0	575	20.0
	1200	286T	1MB21212CC213AG3	⑤	T3C	10,774	29.40	507	91.7	575	21.6
25	3600	284TS	1MB21212DA113AG3	⑤	T3C	8,150	28.03	526	91.7	575	23.2
	1800	284T	1MB21212CB113AG3	⑤	T3C	7,824	29.40	487	93.6	575	24.0
	1200	324T	1MB21213AC113AG3	⑤	T3C	13,000	32.08	743	93.0	575	26.4
	900	326T	1MB21213AD213AG3	⑤	T3C	19,770	32.08	681	90.2	575	32.0
30	3600	286TS	1MB21212DA213AG3	⑤	T3C	9,514	28.03	520	91.7	575	27.2
	1800	286T	1MB21212CB213AG3	⑤	T3C	9,092	29.40	511	93.6	575	28.0
	1200	326T	1MB21213AC213AG3	⑤	T3C	15,036	32.08	681	93.0	575	31.2
	900	364T	1MB21213CD113AG3	⑤	T3C	20,840	35.28	859	91.7	575	33.0
40	3600	324TS	1MB21213BA113AG3	⑤	T3C	12,088	30.58	606	93.6	575	36.0
	1800	324T	1MB21213AB113AG3	⑤	T3C	11,626	32.08	652	94.1	575	36.8
50	3600	326TS	1MB21213BA213AG3	⑤	T3C	15,416	30.58	610	93.6	575	44.0
	1800	326T	1MB21213AB213AG3	⑤	T3C	14,162	32.08	694	94.5	575	46.4
	1200	365T	1MB21213CC213AG3	⑤	T3C	22,382	35.28	864	94.1	575	49.6
	900	404T	1MB21214AD113AG3	⑤	T3C	31,956	39.52	1049	92.4	575	53.6
60	3600	364TS	1MB21213DA113AG3	⑤	T3C	18,698	33.16	789	93.6	575	54.4
	1800	364T	1MB21213CB113AG3	⑤	T3C	18,496	35.28	890	95.0	575	54.4
75	3600	365TS	1MB21213DA213AG3	⑤	T3C	22,800	33.16	899	94.1	575	68.8
	1800	365T	1MB21213CB213AG3	⑤	T3C	22,738	35.28	961	95.4	575	68.0
	1200	405T	1MB21214AC213AG3	⑤	T3C	28,526	39.52	1025	94.5	575	74.4
	900	444T	1MB21214CD113AG3	⑤	T3C	45,054	45.58	1552	93.6	575	75.2
100	3600	405TS	1MB21214BA213AG3	⑤	T3C	32,106	36.52	1020	94.1	575	86.4
	1800	405T	1MB21214AB213AG3	⑤	T3C	29,804	39.52	1150	95.4	575	90.4
	1200	444T	1MB21214CC113AG3	⑤	T3C	41,360	45.58	1552	95.0	575	93.6
125	1800	444T	1MB21214CB113AG3	⑤	T3C	37,778	45.58	1631	95.4	575	114.4
	1200	445T	1MB21214DB113AG3	⑤	T3C	36,562	41.83	1596	95.4	575	114.4
150	1200	445T	1MB21214CC213AG3	⑤	T3C	46,504	45.58	1770	95.0	575	115.2
	3600	445TS	1MB21214DA213AG3	⑤	T3C	48,096	41.83	1611	95.0	575	131.2
	1800	445T	1MB21214CB213AG3	⑤	T3C	44,782	45.58	1935	95.8	575	136.0
200	3600	447TS	1MB21214DA313AG3	⑤	T3C	61,426	45.33	2250	95.4	575	172.8
	1800	447T	1MB21214CB313AG3	⑤	T3C	54,896	49.08	2409	96.2	575	182.4
200	1800	B447T	1MB21214EB313AG3	⑤	T3C	53,680	49.08	2505	96.2	575	228.0
300	3600	449TS	1MB21214DA613AG3	⑤	T3C	110,452	50.33	2301	95.8	575	260.0
300	1800	B449T	1MB21214EB613AG3	⑤	T3C	82,950	54.08	2442	96.2	575	338.0

⑤ = Class I, Group C &amp; D, Class II, Group F &amp; G

Cast iron frame

**XP100, C-face foot mounted**



Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt											
1	1800	143TC	<b>1MB21211AB214EG3</b>	Ⓢ	T3C	1,750	15.27	77	85.5	230/460	1.4
		143TC	<b>1MB21211AB216EG3</b>	Ⓢ	T3C	2,070	15.27	77	85.5	230/460	1.4
	1200	145TC	<b>1MB21211AC314EG3</b>	Ⓢ	T3C	2,050	15.27	88	82.5	230/460	1.6
		145TC	<b>1MB21211AC316EG3</b>	Ⓢ	T3C	2,370	15.27	88	82.5	230/460	1.6
1.5	3600	143TC	<b>1MB21211AA214EG3</b>	Ⓢ	T3C	1,860	15.27	77	84.0	230/460	2.0
		143TC	<b>1MB21211AA216EG3</b>	Ⓢ	T3C	2,170	15.27	77	84.0	230/460	2.0
	1800	145TC	<b>1MB21211AB314EG3</b>	Ⓢ	T3C	1,900	15.27	88	86.5	230/460	2.1
		145TC	<b>1MB21211AB316EG3</b>	Ⓢ	T3C	2,200	15.27	88	86.5	230/460	2.1
	1200	182TC	<b>1MB21211CC114EG3</b>	Ⓢ	T3C	2,290	16.87	106	87.5	230/460	2.4
		182TC	<b>1MB21211CC116EG3</b>	Ⓢ	T3C	2,600	16.87	106	87.5	230/460	2.4
2	3600	145TC	<b>1MB21211AA314EG3</b>	Ⓢ	T3C	2,110	15.27	64	85.5	230/460	2.5
		145TC	<b>1MB21211AA316EG3</b>	Ⓢ	T3C	2,410	15.27	64	85.5	230/460	2.5
	1800	145TC	<b>1MB21211AB414EG3</b>	Ⓢ	T3C	2,030	15.27	88	86.5	230/460	2.7
		145TC	<b>1MB21211AB416EG3</b>	Ⓢ	T3C	2,340	15.27	88	86.5	230/460	2.7
	1200	184TC	<b>1MB21211CC314EG3</b>	Ⓢ	T3C	2,570	16.87	126	88.5	230/460	3.2
		184TC	<b>1MB21211CC316EG3</b>	Ⓢ	T3C	2,900	16.87	126	88.5	230/460	3.2
3	3600	182TC	<b>1MB21211CA114EG3</b>	Ⓢ	T3C	2,330	16.87	88	86.5	230/460	3.8
		182TC	<b>1MB21211CA116EG3</b>	Ⓢ	T3C	2,630	16.87	88	86.5	230/460	3.8
	1800	182TC	<b>1MB21211CB114EG3</b>	Ⓢ	T3C	2,310	16.87	112	89.5	230/460	4.0
		182TC	<b>1MB21211CB116EG3</b>	Ⓢ	T3C	2,610	16.87	112	89.5	230/460	4.0
	1200	213TC	<b>1MB21212AC114EG3</b>	Ⓢ	T3C	3,170	19.97	174	89.5	230/460	4.3
		213TC	<b>1MB21212AC116EG3</b>	Ⓢ	T3C	3,560	19.97	174	89.5	230/460	4.3
5	3600	184TC	<b>1MB21211CA316EG3</b>	Ⓢ	T3C	3,350	16.87	106	88.5	230/460	6.0
		184TC	<b>1MB21211CA314EG3</b>	Ⓢ	T3C	3,100	16.87	106	88.5	230/460	6.0
	1800	184TC	<b>1MB21211CB314EG3</b>	Ⓢ	T3C	2,790	16.87	126	89.5	230/460	6.4
		184TC	<b>1MB21211CB316EG3</b>	Ⓢ	T3C	3,090	16.87	126	89.5	230/460	6.4
	1200	215TC	<b>1MB21212AC214EG3</b>	Ⓢ	T3C	4,530	19.97	181	89.5	230/460	6.7
		215TC	<b>1MB21212AC216EG3</b>	Ⓢ	T3C	4,870	19.97	181	89.5	230/460	6.7
7.5	3600	213TC	<b>1MB21212AA114EG3</b>	Ⓢ	T3C	3,540	19.97	165	89.5	230/460	8.8
		213TC	<b>1MB21212AA116EG3</b>	Ⓢ	T3C	3,900	19.97	165	89.5	230/460	8.8
	1800	213TC	<b>1MB21212AB114EG3</b>	Ⓢ	T3C	3,510	19.97	196	91.7	230/460	9.7
		213TC	<b>1MB21212AB116EG3</b>	Ⓢ	T3C	3,890	19.97	196	91.7	230/460	9.7
	1200	254TC	<b>1MB21212BC114EG3</b>	Ⓢ	T3C	5,440	25.77	284	91.0	230/460	10.0
		254TC	<b>1MB21212BC116EG3</b>	Ⓢ	T3C	5,930	25.77	284	91.0	230/460	10.0
10	3600	215TC	<b>1MB21212AA214EG3</b>	Ⓢ	T3C	4,100	19.97	176	90.2	230/460	11.5
		215TC	<b>1MB21212AA216EG3</b>	Ⓢ	T3C	4,440	19.97	176	90.2	230/460	11.5
	1800	215TC	<b>1MB21212AB214EG3</b>	Ⓢ	T3C	4,170	19.97	203	91.7	230/460	12.5
		215TC	<b>1MB21212AB216EG3</b>	Ⓢ	T3C	4,510	19.97	203	91.7	230/460	12.5

Ⓢ = Class I, Group C & D, Class II, Group F & G

Cast iron frame

Red catalog number indicates **NEW** product

## XP100, C-face foot mounted

Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt											
10	1200	256TC	<b>1MB21212BC214EG3</b>	Ⓢ	T3C	6,600	25.77	304	91.0	230/460	13.5
		256TC	<b>1MB21212BC216EG3</b>	Ⓢ	T3C	7,060	25.77	304	91.0	230/460	13.5
15	3600	254TC	<b>1MB21212BA114EG3</b>	Ⓢ	T3C	5,570	25.77	282	91.0	230/460	17.5
		254TC	<b>1MB21212BA116EG3</b>	Ⓢ	T3C	6,050	25.77	282	91.0	230/460	17.5
	1800	254TC	<b>1MB21212BB114EG3</b>	Ⓢ	T3C	5,470	25.77	306	92.4	230/460	19.0
		254TC	<b>1MB21212BB116EG3</b>	Ⓢ	T3C	5,960	25.77	306	92.4	230/460	19.0
20	1200	284TC	<b>1MB21212CC116EG3</b>	Ⓢ	T3C	9,080	29.40	481	91.7	230/460	21.0
	3600	256TC	<b>1MB21212BA214EG3</b>	Ⓢ	T3C	6,830	25.77	309	91.0	230/460	22.5
		256TC	<b>1MB21212BA216EG3</b>	Ⓢ	T3C	7,300	25.77	309	91.0	230/460	22.5
	1800	256TC	<b>1MB21212BB214EG3</b>	Ⓢ	T3C	6,760	25.77	342	93.0	230/460	25.0
		256TC	<b>1MB21212BB216EG3</b>	Ⓢ	T3C	7,220	25.77	342	93.0	230/460	25.0
	1200	286TC	<b>1MB21212CC216EG3</b>	Ⓢ	T3C	11,080	29.40	507	91.7	230/460	27.0
25	3600	284TSC	<b>1MB21212DA116EG3</b>	Ⓢ	T3C	8,430	28.03	527	91.7	230/460	29.0
	1800	284TC	<b>1MB21212CB116EG3</b>	Ⓢ	T3C	7,950	29.40	487	93.6	230/460	30.0
	1200	324TC	<b>1MB21213AC116EG3</b>	Ⓢ	T3C	13,060	32.08	743	93.0	230/460	33.0
30	3600	286TSC	<b>1MB21212DA216EG3</b>	Ⓢ	T3C	9,840	28.03	520	91.7	230/460	34.0
	1800	286TC	<b>1MB21212CB216EG3</b>	Ⓢ	T3C	9,490	29.40	511	93.6	230/460	35.0
	1200	326TC	<b>1MB21213AC216EG3</b>	Ⓢ	T3C	15,100	32.08	681	93.0	230/460	39.0
40	3600	324TSC	<b>1MB21213BA116EG3</b>	Ⓢ	T3C	12,150	30.58	606	93.6	230/460	45.0
	1800	324TC	<b>1MB21213AB116EG3</b>	Ⓢ	T3C	11,700	32.08	653	94.1	230/460	46.0
	1200	364TC	<b>1MB21213CC116EG3</b>	Ⓢ	T3C	20,140	35.28	836	94.1	230/460	49.0
50	3600	326TSC	<b>1MB21213BA216EG3</b>	Ⓢ	T3C	15,510	30.58	611	93.6	230/460	55.0
	1800	326TC	<b>1MB21213AB216EG3</b>	Ⓢ	T3C	14,140	32.08	694	94.5	230/460	58.0
	1200	365TC	<b>1MB21213CC216EG3</b>	Ⓢ	T3C	23,260	35.28	864	94.1	230/460	62.0
60	3600	364TSC	<b>1MB21213DA116EG3</b>	Ⓢ	T3C	19,420	33.16	789	93.6	230/460	68.0
	1800	364TC	<b>1MB21213CB116EG3</b>	Ⓢ	T3C	19,220	35.28	891	95.0	230/460	68.0
	1200	404TC	<b>1MB21214AC116EG3</b>	Ⓢ	T3C	26,190	39.52	1054	94.5	230/460	74.0
75	3600	365TSC	<b>1MB21213DA216EG3</b>	Ⓢ	T3C	23,660	33.16	946	94.1	230/460	86.0
	1800	365TC	<b>1MB21213CB216EG3</b>	Ⓢ	T3C	23,610	35.28	961	95.4	230/460	85.0
	1200	405TC	<b>1MB21214AC216EG3</b>	Ⓢ	T3C	30,020	39.52	1025	94.5	230/460	93.0
100	3600	405TSC	<b>1MB21214BA216EG3</b>	Ⓢ	T3C	33,830	36.52	1021	94.1	230/460	108.0
	1800	405TC	<b>1MB21214AB216EG3</b>	Ⓢ	T3C	31,400	39.52	1151	95.4	230/460	113.0
	1200	444TC	<b>1MB21214CC116EG3</b>	Ⓢ	T3C	43,230	45.58	1619	95.0	230/460	117.0
460 volt											
125	3600	444TSC	<b>1MB21214DA112EG3</b>	Ⓢ	T3C	40,940	41.83	1520	95.0	460	138.0
	1800	444TC	<b>1MB21214CB112EG3</b>	Ⓢ	T3C	39,470	45.58	1698	95.4	460	143.0
		444TSC	<b>1MB21214DB112EG3</b>	Ⓢ	T3C	38,230	41.83	1663	95.4	460	143.0
	1200	445TC	<b>1MB21214CC212EG3</b>	Ⓢ	T3C	48,420	45.58	1837	95.0	460	144.0
150	3600	445TSC	<b>1MB21214DA212EG3</b>	Ⓢ	T3C	50,150	41.83	1681	95.0	460	164.0
	1800	445TC	<b>1MB21214CB212EG3</b>	Ⓢ	T3C	46,690	45.58	2004	95.8	460	170.0
		445TSC	<b>1MB21214DB212EG3</b>	Ⓢ	T3C	45,440	41.83	1773	95.8	460	170.0
	1200	447TC	<b>1MB21214CC312EG3</b>	Ⓢ	T3C	54,540	49.08	2119	95.8	460	172.0
200	3600	447TSC	<b>1MB21214DA312EG3</b>	Ⓢ	T3C	63,410	45.33	2328	95.4	460	216.0
	1800	447TC	<b>1MB21214CB312EG3</b>	Ⓢ	T3C	56,180	49.08	2486	96.2	460	228.0

Ⓢ = Class I, Group C &amp; D, Class II, Group F &amp; G

Cast iron frame

Red catalog number indicates **NEW** product

**XP100, C-face foot mounted**

Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
<b>460 volt</b>											
200	1800	447TSC	<b>1MB21214DB312EG3</b>	Ⓢ	T3C	55,530	45.33	2328	96.2	460	228.0
		B447TC	<b>1MB21214EB313EG3</b>	Ⓢ	T3C	54,020	49.08	2506	96.2	460	228.0
	1200	449TC	<b>1MB21214CC512EG3</b>	Ⓢ	T3C	73,110	54.08	2526	95.8	460	227.0
250	3600	449TSC	<b>1MB21214DA512EG3</b>	Ⓢ	T3C	78,310	50.33	2383	95.8	460	265.0
	1800	449TC	<b>1MB21214CB512EG3</b>	Ⓢ	T3C	67,770	54.08	2493	96.2	460	278.0
		449TSC	<b>1MB21214DB512EG3</b>	Ⓢ	T3C	67,280	50.33	2464	96.2	460	278.0
	1200	449TSC	<b>1MB21214DC612EG3</b>	Ⓢ	T3C	79,280	50.33	2482	95.8	460	281.0
	3600	449TSC	<b>1MB21214DA612EG3</b>	Ⓢ	T3C	114,980	50.33	2383	95.8	460	325.0
300	1800	449TC	<b>1MB21214CB612EG3</b>	Ⓢ	T3C	86,260	54.08	2493	96.2	460	338.0
		449TSC	<b>1MB21214DB612EG3</b>	Ⓢ	T3C	86,960	50.33	2464	96.2	460	338.0
	3600	449TC	<b>1MB21214EB613EG3</b>	Ⓢ	T3C	84,840	54.08	2528	96.2	460	338.0
		B449TC	<b>1MB21214EB613EG3</b>	Ⓢ	T3C	84,840	54.08	2528	96.2	460	338.0
<b>575 volt</b>											
1	1800	143TC	<b>1MB21211AB213EG3</b>	Ⓢ	T3C	1,770	15.27	117	85.5	575	1.1
	1200	145TC	<b>1MB21211AC313EG3</b>	Ⓢ	T3C	2,060	15.27	88	82.5	575	1.3
1.5	3600	143TC	<b>1MB21211AA213EG3</b>	Ⓢ	T3C	1,860	15.27	55	84.0	575	1.6
	1800	145TC	<b>1MB21211AB313EG3</b>	Ⓢ	T3C	1,910	15.27	90	86.5	575	1.7
		1200	182TC	<b>1MB21211CC113EG3</b>	Ⓢ	T3C	2,270	16.87	106	87.5	575
2	3600	145TC	<b>1MB21211AA313EG3</b>	Ⓢ	T3C	2,110	15.27	64	85.5	575	2.0
	1800	145TC	<b>1MB21211AB413EG3</b>	Ⓢ	T3C	2,050	15.27	90	86.5	575	2.2
		1200	184TC	<b>1MB21211CC313EG3</b>	Ⓢ	T3C	2,580	16.87	126	88.5	575
3	3600	182TC	<b>1MB21211CA113EG3</b>	Ⓢ	T3C	2,330	16.87	88	86.5	575	3.0
	1800	182TC	<b>1MB21211CB113EG3</b>	Ⓢ	T3C	2,320	16.87	119	89.5	575	3.2
		1200	213TC	<b>1MB21212AC113EG3</b>	Ⓢ	T3C	3,170	19.97	174	89.5	575
5	3600	184TC	<b>1MB21211CA313EG3</b>	Ⓢ	T3C	3,080	16.87	106	88.5	575	4.8
	1800	184TC	<b>1MB21211CB313EG3</b>	Ⓢ	T3C	2,840	16.87	132	89.5	575	5.1
		1200	215TC	<b>1MB21212AC213EG3</b>	Ⓢ	T3C	4,530	19.97	181	89.5	575
7.5	3600	213TC	<b>1MB21212AA113EG3</b>	Ⓢ	T3C	3,540	19.97	165	89.5	575	7.0
	1800	213TC	<b>1MB21212AB113EG3</b>	Ⓢ	T3C	3,540	19.97	200	91.7	575	7.8
		1200	254TC	<b>1MB21212BC113EG3</b>	Ⓢ	T3C	5,440	25.77	284	91.0	575
10	3600	215TC	<b>1MB21212AA213EG3</b>	Ⓢ	T3C	4,100	19.97	176	90.2	575	9.2
	1800	215TC	<b>1MB21212AB213EG3</b>	Ⓢ	T3C	4,150	19.97	205	91.7	575	10.0
		1200	256TC	<b>1MB21212BC213EG3</b>	Ⓢ	T3C	6,600	25.77	304	91.0	575
15	3600	254TC	<b>1MB21212BA113EG3</b>	Ⓢ	T3C	5,570	25.77	282	91.0	575	14.0
	1800	254TC	<b>1MB21212BB113EG3</b>	Ⓢ	T3C	5,520	25.77	319	92.4	575	15.2
		1200	284TC	<b>1MB21212CC113EG3</b>	Ⓢ	T3C	9,090	29.40	481	91.7	575
20	3600	256TC	<b>1MB21212BA213EG3</b>	Ⓢ	T3C	6,850	25.77	309	91.0	575	18.0
	1800	256TC	<b>1MB21212BB213EG3</b>	Ⓢ	T3C	6,770	25.77	342	93.0	575	20.0
		1200	286TC	<b>1MB21212CC213EG3</b>	Ⓢ	T3C	11,090	29.40	507	91.7	575
25	3600	284TSC	<b>1MB21212DA113EG3</b>	Ⓢ	T3C	8,410	28.03	527	91.7	575	23.2
	1800	284TC	<b>1MB21212CB113EG3</b>	Ⓢ	T3C	8,170	29.40	510	93.6	575	24.0
		1200	324TC	<b>1MB21213AC113EG3</b>	Ⓢ	T3C	13,060	32.08	743	93.0	575
30	3600	286TSC	<b>1MB21212DA213EG3</b>	Ⓢ	T3C	9,840	28.03	520	91.7	575	27.2
	1800	286TC	<b>1MB21212CB213EG3</b>	Ⓢ	T3C	9,480	29.40	511	93.6	575	28.0
		1200	326TC	<b>1MB21213AC213EG3</b>	Ⓢ	T3C	15,100	32.08	681	93.0	575

Ⓢ= Class I, Group C & D, Class II, Group F & G

Cast iron frame

Red catalog number indicates **NEW** product

## XP100, C-face foot mounted

Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt											
40	3600	324TSC	<b>1MB21213BA113EG3</b>	⑤	T3C	12,150	30.58	606	93.6	575	36.0
	1800	324TC	<b>1MB21213AB113EG3</b>	⑤	T3C	11,680	32.08	682	94.1	575	36.8
50	3600	326TSC	<b>1MB21213BA213EG3</b>	⑤	T3C	15,460	30.58	611	93.6	575	44.0
	1800	326TC	<b>1MB21213AB213EG3</b>	⑤	T3C	14,240	32.08	694	94.5	575	46.4
60	1200	365TC	<b>1MB21213CC213EG3</b>	⑤	T3C	23,270	35.28	864	94.1	575	49.6
	3600	364TSC	<b>1MB21213DA113EG3</b>	⑤	T3C	19,420	33.16	789	93.6	575	54.4
75	1800	364TC	<b>1MB21213CB113EG3</b>	⑤	T3C	19,230	35.28	926	95.0	575	54.4
	3600	365TSC	<b>1MB21213DA213EG3</b>	⑤	T3C	23,670	33.16	899	94.1	575	68.8
100	1800	365TC	<b>1MB21213CB213EG3</b>	⑤	T3C	23,610	35.28	961	95.4	575	68.0
	1200	405TC	<b>1MB21214AC213EG3</b>	⑤	T3C	30,030	39.52	1025	94.5	575	74.4
125	3600	405TSC	<b>1MB21214BA213EG3</b>	⑤	T3C	33,850	36.52	1021	94.1	575	86.4
	1800	405TC	<b>1MB21214AB213EG3</b>	⑤	T3C	31,420	39.52	1151	95.4	575	90.4
150	1200	444TC	<b>1MB21214CC113EG3</b>	⑤	T3C	43,170	45.58	1619	95.0	575	93.6
	1800	444TC	<b>1MB21214CB113EG3</b>	⑤	T3C	39,490	45.58	1698	95.4	575	114.4
200	1200	444TSC	<b>1MB21214DB113EG3</b>	⑤	T3C	38,250	41.83	1663	95.4	575	114.4
	1800	445TC	<b>1MB21214CC213EG3</b>	⑤	T3C	48,440	45.58	1837	95.0	575	115.2
250	3600	445TSC	<b>1MB21214DA213EG3</b>	⑤	T3C	50,050	41.83	1681	95.0	575	131.2
	1800	445TC	<b>1MB21214CB213EG3</b>	⑤	T3C	46,610	45.58	2004	95.8	575	136.0
300	3600	447TSC	<b>1MB21214DA313EG3</b>	⑤	T3C	63,580	45.33	2328	95.4	575	172.8
	1800	447TC	<b>1MB21214CB313EG3</b>	⑤	T3C	56,110	49.08	2486	96.2	575	182.4
350	3600	449TSC	<b>1MB21214DA613EG3</b>	⑤	T3C	115,100	50.33	2383	95.8	575	260.0
	1800	449TC	<b>1MB21214CB613EG3</b>	⑤	T3C	86,060	54.08	2493	96.2	575	338.0

⑤ = Class I, Group C & D, Class II, Group F & G

Cast iron frame

Red catalog number indicates **NEW** product

**XP100, vertical C-face footless with drip cover**



Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt											
1	1800	143TCV	<b>1MB21211AB216LG3</b>	Ⓢ	T3C	2,152	16.81	77	85.5	230/460	1.4
	1200	145TCV	<b>1MB21211AC316LG3</b>	Ⓢ	T3C	2,456	16.81	88	82.5	230/460	1.6
	900	182TCV	<b>1MB21211CD116LG3</b>	Ⓢ	T3C	4,222	18.57	99	81.5	230/460	2.1
1 1/2	3600	143TCV	<b>1MB21211AA216LG3</b>	Ⓢ	T3C	2,238	16.81	55	84.0	230/460	2.0
	1800	145TCV	<b>1MB21211AB316LG3</b>	Ⓢ	T3C	2,282	16.81	88	86.5	230/460	2.1
	1200	182TCV	<b>1MB21211CC116LG3</b>	Ⓢ	T3C	2,686	18.57	105	87.5	230/460	2.4
2	900	184TCV	<b>1MB21211CD316LG3</b>	Ⓢ	T3C	4,886	18.57	125	82.5	230/460	3.0
	3600	145TCV	<b>1MB21211AA316LG3</b>	Ⓢ	T3C	2,484	16.81	63	85.5	230/460	2.5
	1800	145TCV	<b>1MB21211AB416LG3</b>	Ⓢ	T3C	2,408	16.81	88	86.5	230/460	2.7
3	1200	184TCV	<b>1MB21211CC316LG3</b>	Ⓢ	T3C	2,972	18.57	125	88.5	230/460	3.2
	900	213TCV	<b>1MB21212AC116LG3</b>	Ⓢ	T3C	3,522	21.46	172	89.5	230/460	4.3
	3600	182TCV	<b>1MB21211CA116LG3</b>	Ⓢ	T3C	2,720	18.57	88	86.5	230/460	3.8
5	1800	182TCV	<b>1MB21211CB116LG3</b>	Ⓢ	T3C	2,704	18.57	110	89.5	230/460	4.0
	900	215TCV	<b>1MB21212AD216LG3</b>	Ⓢ	T3C	6,818	21.46	172	85.5	230/460	4.8
	3600	184TCV	<b>1MB21211CA316LG3</b>	Ⓢ	T3C	3,478	18.57	105	88.5	230/460	6.0
7 1/2	1800	184TCV	<b>1MB21211CB316LG3</b>	Ⓢ	T3C	3,206	18.57	125	89.5	230/460	6.4
	1200	215TCV	<b>1MB21212AC216LG3</b>	Ⓢ	T3C	4,820	21.46	180	89.5	230/460	6.7
	900	254TCV	<b>1MB21212BD116LG3</b>	Ⓢ	T3C	7,868	27.92	269	86.5	230/460	8.8
10	3600	213TCV	<b>1MB21212AA116LG3</b>	Ⓢ	T3C	3,868	21.46	165	89.5	230/460	8.8
	1800	213TCV	<b>1MB21212AB116LG3</b>	Ⓢ	T3C	3,838	21.46	185	91.7	230/460	9.7
	1200	254TCV	<b>1MB21212BC116LG3</b>	Ⓢ	T3C	5,890	27.92	284	91.0	230/460	10.0
15	900	256TCV	<b>1MB21212BD216LG3</b>	Ⓢ	T3C	8,898	27.92	299	87.5	230/460	12.5
	3600	215TCV	<b>1MB21212AA216LG3</b>	Ⓢ	T3C	4,408	21.46	172	90.2	230/460	11.5
	1800	215TCV	<b>1MB21212AB216LG3</b>	Ⓢ	T3C	4,468	21.46	187	91.7	230/460	12.5
20	1200	256TCV	<b>1MB21212BC216LG3</b>	Ⓢ	T3C	7,012	27.92	308	91.0	230/460	13.5
	3600	254TCV	<b>1MB21212BA116LG3</b>	Ⓢ	T3C	5,978	27.92	282	91.0	230/460	17.5
	1800	254TCV	<b>1MB21212BB116LG3</b>	Ⓢ	T3C	5,882	27.92	302	92.4	230/460	19.0
20	1200	284TCV	<b>1MB21212CC116LG3</b>	Ⓢ	T3C	11,042	31.55	480	91.7	230/460	21.0
	3600	256TCV	<b>1MB21212BA216LG3</b>	Ⓢ	T3C	7,228	27.92	308	91.0	230/460	22.5
	1800	256TCV	<b>1MB21212BB216LG3</b>	Ⓢ	T3C	7,140	27.92	339	93.0	230/460	25.0
	1200	286TCV	<b>1MB21212CC216LG3</b>	Ⓢ	T3C	12,986	31.55	507	91.7	230/460	27.0

Ⓢ = Class I, Group C & D, Class II, Group F & G

■ Cast iron frame

**XP100, C-face foot mounted with JP Shaft**

Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt											
3	1800	182JP	<b>1MB21211FB314WG3</b>	Ⓢ	T3C	2,754	21.50	136	89.5	230/460	4.0
5	1800	184JP	<b>1MB21211FB414WG3</b>	Ⓢ	T3C	3,256	21.50	136	89.5	230/460	6.4

Ⓢ = Class I, Group C & D, Class II, Group F & G

■ Cast iron frame

# XP100 ID1

## 1 thru 300 hp

IP65

### Features

- Class F insulation, Class B temp rise
- Division 1 Class I, Group D
- Inverter Duty nameplate
- All cast iron construction
- UL & CSA certified
- Double-shielded regreasable inlet and outlet
- NEMA Premium efficient
- Bidirectional fan

### Applications

- Pumps
- Fans
- Compressors
- Petrochemical
- Oil & Gas
- Paper mills
- Water and waste water

### XP100 ID1, foot mounted



Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt											
1	1800	143T	<b>1MB22211AB214AA3</b>	⓪	T2A	1,656	15.27	77	85.5	230/460	1.4
	1200	145T	<b>1MB22211AC314AA3</b>	⓪	T2A	1,946	15.27	88	82.5	230/460	1.6
1 1/2	3600	143T	<b>1MB22211AA214AA3</b>	⓪	T2A	1,738	15.27	55	84.0	230/460	2.0
	1800	145T	<b>1MB22211AB314AA3</b>	⓪	T2A	1,780	15.27	88	86.5	230/460	2.1
	1200	182T	<b>1MB22211CC114AA3</b>	⓪	T2A	2,124	16.87	105	87.5	230/460	2.4
2	3600	145T	<b>1MB22211AA314AA3</b>	⓪	T2A	1,974	15.27	63	85.5	230/460	2.5
	1800	145T	<b>1MB22211AB414AA3</b>	⓪	T2A	1,900	15.27	88	86.5	230/460	2.7
	1200	184T	<b>1MB22211CC314AA3</b>	⓪	T2A	2,398	16.87	125	88.5	230/460	3.2
3	3600	182T	<b>1MB22211CA114AA3</b>	⓪	T2A	2,156	16.87	88	86.5	230/460	3.8
	1800	182T	<b>1MB22211CB114AA3</b>	⓪	T2A	2,140	16.87	110	89.5	230/460	4.0
	1200	213T	<b>1MB22212AC114AA3</b>	⓪	T2A	2,922	19.97	172	89.5	230/460	4.3
5	3600	184T	<b>1MB22211CA314AA3</b>	⓪	T2A	2,884	16.87	105	88.5	230/460	6.0
	1800	184T	<b>1MB22211CB314AA3</b>	⓪	T2A	2,622	16.87	125	89.5	230/460	6.4
	1200	215T	<b>1MB22212AC214AA3</b>	⓪	T2A	4,168	19.97	180	89.5	230/460	6.7
7 1/2	3600	213T	<b>1MB22212AA114AA3</b>	⓪	T2A	3,254	19.97	165	89.5	230/460	8.8
	1800	213T	<b>1MB22212AB114AA3</b>	⓪	T2A	3,226	19.97	185	91.7	230/460	9.7
	1200	254T	<b>1MB22212BC114AA3</b>	⓪	T2A	5,044	25.77	284	91.0	230/460	10.0
10	3600	215T	<b>1MB22212AA214AA3</b>	⓪	T2A	3,772	19.97	172	90.2	230/460	11.5
	1800	215T	<b>1MB22212AB214AA3</b>	⓪	T2A	3,830	19.97	187	91.7	230/460	12.5
	1200	256T	<b>1MB22212BC214AA3</b>	⓪	T2A	6,120	25.77	308	91.0	230/460	13.5
15	3600	254T	<b>1MB22212BA114AA3</b>	⓪	T2A	5,128	25.77	282	91.0	230/460	17.5
	1800	254T	<b>1MB22212BB114AA3</b>	⓪	T2A	5,036	25.77	302	92.4	230/460	19.0

- ⓪ = Class I, Group D
- Ⓛ = Class I, Group C & D, Class II, Group F & G

Cast iron frame

## XP100 ID1, foot mounted

Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps	
230/460 volt												
15	1200	284T	1MB22212CC116AA3	⓪	T2A	7,628	29.40	480	91.7	230/460	21.0	
	3600	256T	1MB22212BA214AA3	⓪	T2A	6,328	25.77	308	91.0	230/460	22.5	
20	1800	256T	1MB22212BB214AA3	⓪	T2A	6,244	25.77	339	93.0	230/460	25.0	
	1200	286T	1MB22212CC216AA3	⓪	T2A	9,276	29.40	507	91.7	230/460	27.0	
25	3600	284T	1MB22212CA116AA3	⓪	T2A	7,052	29.40	529		230/460	29.0	
		284TS	1MB22212DA116AA3	⓪	T2A	7,052	28.03	526	91.7	230/460	29.0	
	1800	284T	1MB22212CB116AA3	⓪	T2A	6,792	29.40	500	93.6	230/460	30.0	
30	1200	324T	1MB22213AC116AA3	⓪	T2A	11,168	32.08	712	93.0	230/460	33.0	
	3600	286TS	1MB22212DA216AA3	⓪	T2A	8,220	28.03	520	91.7	230/460	34.0	
	1800	286T	1MB22212CB216AA3	⓪	T2A	7,880	29.40	520	93.6	230/460	35.0	
40	1200	326T	1MB22213AC216AA3	⓪	T2A	12,898	32.08	679	93.0	230/460	39.0	
	3600	324TS	1MB22213BA116AA3	⓪	T2A	10,422	30.58	606	93.6	230/460	45.0	
	1800	324T	1MB22213AB116AA3	⓪	T2A	10,056	32.08	652	94.1	230/460	46.0	
50	1200	364T	1MB22213CC116AA3	⓪	T2A	16,592	35.28	835	94.1	230/460	49.0	
	3600	326TS	1MB22213BA216AA3	⓪	T2A	13,272	30.58	615	93.6	230/460	55.0	
	1800	326T	1MB22213AB216AA3	⓪	T2A	12,232	32.08	687	94.5	230/460	58.0	
60	1200	326TS	1MB22213BB216AA3	⓪	T2A	12,232	30.58	687	94.5	230/460	58.0	
	3600	365T	1MB22213CC216AA3	⓪	T2A	19,134	35.28	870	94.1	230/460	62.0	
	1800	364TS	1MB22213DA116AA3	⓪	T2A	17,350	33.16	789	93.6	230/460	68.0	
75	1200	404T	1MB22214AC116AA3	⓪	T2A	22,890	39.52	1056	94.5	230/460	74.0	
	3600	365TS	1MB22213DA216AA3	⓪	T2A	20,980	33.16	899	94.1	230/460	86.0	
	1800	365T	1MB22213CB216AA3	⓪	T2A	20,996	35.28	959	95.4	230/460	85.0	
100	1200	405T	1MB22214AC216AA3	⓪	T2A	26,066	39.52	1025	94.5	230/460	93.0	
	3600	405TS	1MB22214BA216AA3	⓪	T2A	29,288	36.52	1020	94.1	230/460	108.0	
	1800	405T	1MB22214AB216AA3	⓪	T2A	27,282	39.52	1115	95.4	230/460	113.0	
125	1200	B444T	1MB22214EC116AA3	⓪	T2A	36,362	45.58	1512	95.0	230/460	117.0	
	460 volt											
	150	3600	444TS	1MB22214DA112AA3	⓪	T2A	35,520	41.83	1450	95.0	460	138.0
1800		444T	1MB22214CB112AA3	⓪	T2A	34,508	45.58	1660	95.4	460	143.0	
		B444T	1MB22214EB112AA3	⓪	T2A	33,292	45.58	1620	95.4	460	143.0	
200	1200	B445T	1MB22214EC212AA3	⓪	T2A	40,810	45.58	1732	95.0	460	144.0	
	3600	445TS	1MB22214DA212AA3	⓪	T2A	43,486	41.83	1611	95.0	460	164.0	
	1800	445T	1MB22214CB212AA3	⓪	T2A	40,738	45.58	1933	95.8	460	170.0	
250	1200	B445T	1MB22214EB212AA3	⓪	T2A	39,522	45.58	1896	95.8	460	164.8	
		B447T	1MB22214EC312AA3	⓪	T2A	46,894	49.08	1990	95.8	460	172.0	
	3600	447TS	1MB22214DA312AA3	⓪	T2A	54,722	45.33	2250	95.4	460	216.0	
300	1800	447T	1MB22214CB312AA3	⓪	T2A	49,202	49.08	2314	96.2	460	228.0	
		B447T	1MB22214EB312AA3	⓪	T2A	47,986	49.08	2275	96.2	460	228.0	
	1200	449T	1MB22214CC512AA3	⓪	T2A	56,326	54.08	2475	95.8	460	210.6	
350	3600	B449T	1MB22214EC512AA3	⓪	T2A	55,110	54.08	2440	95.8	460	227.0	
		449TS	1MB22214DA512AA3	⓪	T2A	64,868	49.77	2295	95.8	460	265.0	
	1800	449T	1MB22214CB512AA3	⓪	T2A	57,124	53.52	2396	96.2	460	278.0	
		B449T	1MB22214EB512AA3	⓪	T2A	55,908	53.52	2391	96.2	460	278.0	

⓪ = Class I, Group D

⓪ = Class I, Group C &amp; D, Class II, Group F &amp; G

Cast iron frame

## XP100 ID1, foot mounted

Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt											
300	3600	449TS	<b>1MB22214DA612AA3</b>	Ⓢ	T2A	83,006	49.77	2295	95.8	460	325.0
	1800	449T	<b>1MB22214CB612AA3</b>	Ⓢ	T2A	63,764	53.52	2396	96.2	460	338.0
		B449T	<b>1MB22214EB612AA3</b>	Ⓢ	T2A	62,548	53.52	2391	96.2	460	338.0
575 volt											
2	1800	145T	<b>1MB22211AB413AA3</b>	Ⓢ	T2A	1,900	15.27	88	86.5	575	2.16
3	1800	182T	<b>1MB22211CB113AA3</b>	Ⓢ	T2A	2,140	16.87	110	89.5	575	3.2
5	1800	184T	<b>1MB22211CB313AA3</b>	Ⓢ	T2A	2,622	16.87	125	89.5	575	5.12
7 1/2	1800	213T	<b>1MB22212AB113AA3</b>	Ⓢ	T2A	3,226	19.97	185	91.7	575	7.76
10	1800	215T	<b>1MB22212AB213AA3</b>	Ⓢ	T2A	3,830	19.97	187	91.7	575	10.0
15	1800	254T	<b>1MB22212BB113AA3</b>	Ⓢ	T2A	5,036	25.77	302	92.4	575	15.2
20	1800	256T	<b>1MB22212BB213AA3</b>	Ⓢ	T2A	6,244	25.77	339	93.0	575	20.0
25	1800	284T	<b>1MB22212CB113AA3</b>	Ⓢ	T2A	6,792	29.40	500	93.6	575	24.0
30	1800	286T	<b>1MB22212CB213AA3</b>	Ⓢ	T2A	7,880	29.40	520	93.6	575	28.0
40	1800	324T	<b>1MB22213AB113AA3</b>	Ⓢ	T2A	10,056	32.08	652	94.1	575	36.8
	1200	364T	<b>1MB22213CC113AA3</b>	Ⓢ	T2A	16,592	35.28	835	94.1	575	39.2
50	1800	326T	<b>1MB22213AB213AA3</b>	Ⓢ	T2A	12,232	32.08	687	94.5	575	46.4
75	1800	365T	<b>1MB22213CB213AA3</b>	Ⓢ	T2A	20,996	35.28	959	95.4	575	68.0
125	1800	444T	<b>1MB22214CB113AA3</b>	Ⓢ	T2A	34,508	45.58	1660	95.4	575	114.4
		B444T	<b>1MB22214EB113AA3</b>	Ⓢ	T2A	33,292	45.58	1620	95.4	575	114.4
150	1800	B445T	<b>1MB22214EB213AA3</b>	Ⓢ	T2A	39,522	45.58	1896	95.8	575	136.0

Ⓢ = Class I, Group D

Ⓢ = Class I, Group C &amp; D, Class II, Group F &amp; G

 Cast iron frame

## XP100 ID1, C-face footless

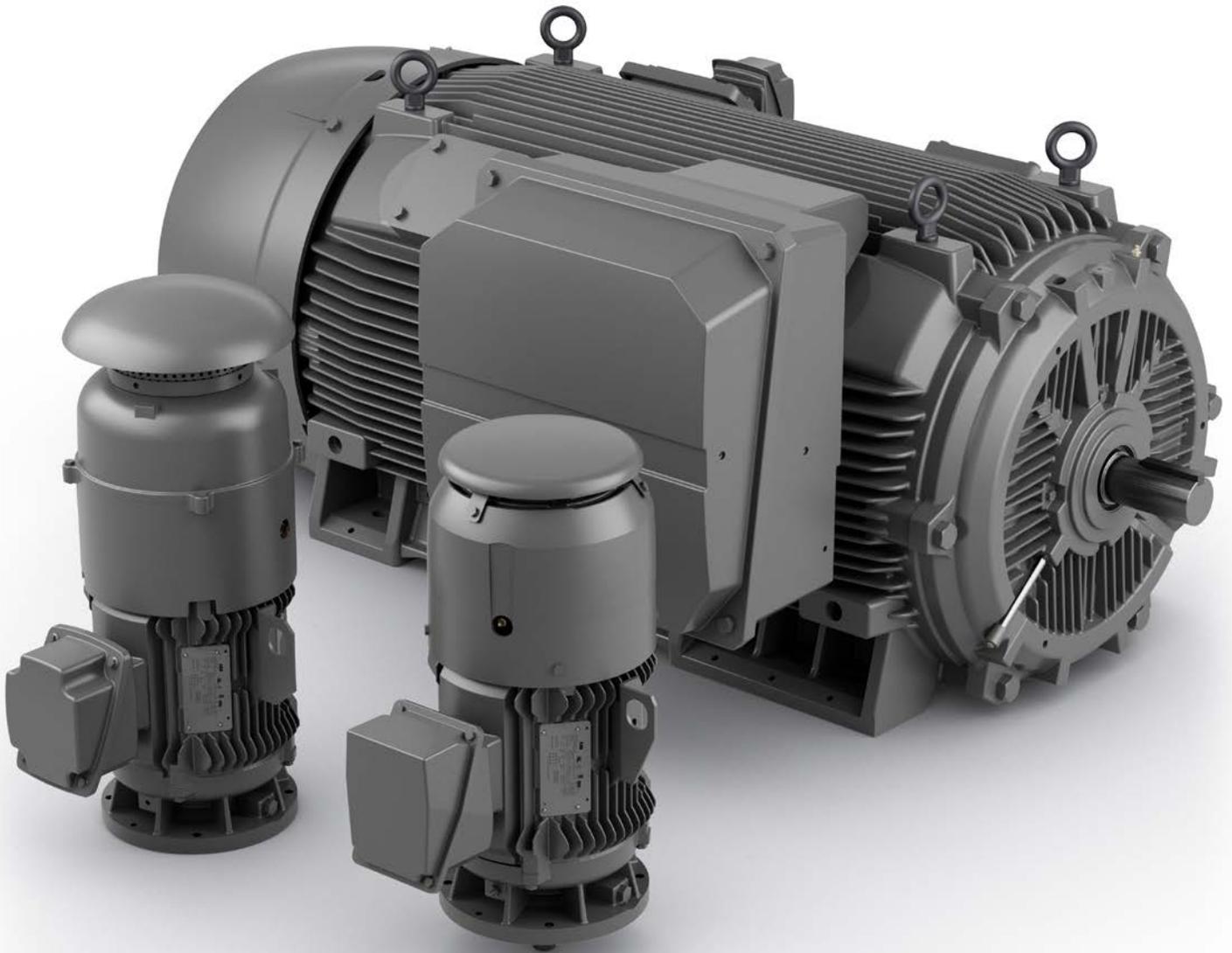


Hp	RPM	Frame	Catalog Number	Cls/Grp	Temp Code	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
230/460 volt											
1	1800	143TC	<b>1MB22211AB216GA3</b>	Ⓛ	T2A	1,836	15.27	77	85.5	230/460	1.4
1 1/2	1800	145TC	<b>1MB22211AB316GA3</b>	Ⓛ	T2A	1,960	15.27	88	86.5	230/460	2.1
2	1800	145TC	<b>1MB22211AB416GA3</b>	Ⓛ	T2A	2,080	15.27	88	86.5	230/460	2.7
3	1800	182TC	<b>1MB22211CB116GA3</b>	Ⓛ	T2A	2,404	16.87	110	89.5	230/460	4.0
5	1800	184TC	<b>1MB22211CB316GA3</b>	Ⓛ	T2A	2,886	16.87	125	89.5	230/460	6.4
7 1/2	1800	213TC	<b>1MB22212AB116GA3</b>	Ⓛ	T2A	3,490	19.97	185	91.7	230/460	9.7
10	1800	215TC	<b>1MB22212AB216GA3</b>	Ⓛ	T2A	4,094	19.97	187	91.7	230/460	12.5
15	1800	254TC	<b>1MB22212BB116GA3</b>	Ⓛ	T2A	5,396	25.77	302	92.4	230/460	19.0
20	1800	256TC	<b>1MB22212BB216GA3</b>	Ⓛ	T2A	6,604	25.77	339	93.0	230/460	25.0
25	1800	284TC	<b>1MB22212CB116GA3</b>	Ⓛ	T2A	8,670	29.40	500	93.6	230/460	30.0
30	1800	286TC	<b>1MB22212CB216GA3</b>	Ⓛ	T2A	9,758	29.40	520	93.6	230/460	35.0

Ⓛ = Class I, Group D

■ Cast iron frame

# Pump Motors



# Pump Motors

ABB NEMA Definite Purpose low voltage NEMA motors are designed and build with all the quality features of the our severe duty motors and are enhanced with additional key features to satisfy specific industry application requirements. A wide selection of options, among them bearing isolator and ceramic bearings on drive end, make these motors suitable almost any requirement.



LP100 Vertical solid shaft



HP100 Vertical solid shaft



DP200 HPS

Product Line		LP100	HP100	DP200 HPS
NEMA Frame	Frame size range for stock products	182LP-449LP	182HP-449HP	509-5013
Hp	3600 RPM	3 - 100	3 - 100	450 - 800
	1800 RPM	3 - 250	3 - 250	-
	1200 RPM	3 - 250	3 - 250	-
	1800/900 RPM	-	-	-
Voltage 60 Hz	230/460V (1 - 75HP)	S/A	S/A	-
	460V	S	S	S
	575V	S	S	S
Division 2 Classification				
Class & Group	Class I, Group A, B, C & D	S	S	S
Electrical Features				
Efficiency	ABB NEMA motors meet or exceed all efficiency requirements for US, Canada and Mexico regulations	S	S	S
Torque	NEMA Design B torques (up to 500HP)	S	S	S
Service factor	1.15 service factor – continuous	S	S	S
Temp rise	Class F insulation with Class B rise @ 1.0 service factor	S	S	-
	Class H insulation with Class B rise @ 1.0 service factor	A	A	S
Inverter	Variable Torque 20:1	S	S	S
	Constant Torque 4:1 (up to 449T) see data sheet for larger ratings	S	S	-
Mechanical Features				
Frame	Cast iron frame	S	S	S
Bearings	High thrust	S	-	-
	Normal thrust	-	S	-
Conduit box	Oversized cast iron	S	S	S
IP code	IP54 ingress protection	-	-	-
	IP55 ingress protection	S	S	S
	IP56 ingress protection	A	A	-
Other Key Features				
Certifications and tests	Meets and exceeds IEEE 841	S	S	-
Warranty	Warranty - in number of months from shipment	60	60	36

S = Standard A = Available through Mod Express® or as custom

## LP100 Vertical solid shaft

### 3 thru 250 Hp

IP55\*

#### Features

- High or extra high thrust
- Meets and exceeds IEEE Std. 841-2021
- API610 optional
- Inverter duty per NEMA MG1 Part 31 (VT 20:1. CT 4:1)
- Division 2, Class I, Groups A,B,C & D
- Division 2, Class II, Groups F&G
- Oversized cast iron conduit box
- Bolted lifting eye
- Zinc plated hardware
- 5-year warranty

#### Applications

- Pumps
- Water and waste water

#### LP100, P-base vertical solid shaft

\* IP56 as option



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
High thrust									
230/460 volt									
3	3600	182LP	<b>1PC28321DA416TA3</b>	3,934	21.88	119	86.5	230/460	3.8
	1800	182LP	<b>1PC28321DB416TA3</b>	3,832	21.88	130	89.5	230/460	4.0
5	3600	184LP	<b>1PC28321DA516TA3</b>	4,348	21.88	130	88.5	230/460	6.0
	1800	184LP	<b>1PC28321DB516TA3</b>	4,108	21.88	132	89.5	230/460	6.5
7.5	3600	213LP	<b>1PC28322AA516TA3</b>	5,218	25.96	187	89.5	230/460	8.8
	1800	213LP	<b>1PC28322AB516TA3</b>	5,198	25.96	200	91.7	230/460	9.7
10	3600	215LP	<b>1PC28322AA616TA3</b>	5,844	25.96	202	90.2	230/460	11.5
	1800	215LP	<b>1PC28322AB616TA3</b>	5,848	25.96	211	91.7	230/460	12.5
15	3600	254LP	<b>1PC28322BA516TA3</b>	6,732	29.84	302	91.0	230/460	17.5
	1800	254LP	<b>1PC28322BB516TA3</b>	6,990	29.84	304	92.4	230/460	19.0
	1200	284LPH	<b>1PC28322EC116TA3</b>	11,222	38.76	1323	91.7	230/460	21.0
20	3600	256LP	<b>1PC28322BA616TA3</b>	7,556	29.84	324	91.0	230/460	22.5
	1200	286LPH	<b>1PC28322EC416TA3</b>	13,630	38.76	1444	91.7	230/460	27.0
460 volt									
25	3600	284LPH	<b>1PC28322EA112TA3</b>	10,494	38.76	687	91.7	460	29.0
	1800	284LPH	<b>1PC28322EB112TA3</b>	10,326	38.76	663	93.6	460	30.0
30	3600	286LPH	<b>1PC28322EA412TA3</b>	11,134	38.76	646	91.7	460	34.0
40	3600	324LP	<b>1PC28323AA512TA3</b>	14,846	40.72	1020	93.6	460	45.0
	1800	324LP	<b>1PC28323AB512TA3</b>	14,396	40.72	1047	94.1	460	46.0
50	3600	326LP	<b>1PC28323AA612TA3</b>	18,190	40.72	1022	93.6	460	55.0
	1800	326LP	<b>1PC28323AB612TA3</b>	16,892	40.72	1045	94.5	460	58.0

Cast iron frame

**LP100, P-base vertical solid shaft**

\* IP56 as option

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
50	1200	365LP	<b>1PC28323CC612TA3</b>	26,152	35.63	1490	94.1	460	62.0
60	3600	364LP	<b>1PC28323CA512TA3</b>	22,640	35.63	1089	93.6	460	68.0
	1800	364LP	<b>1PC28323CB512TA3</b>	22,528	35.63	1230	95.0	460	68.0
75	3600	365LP	<b>1PC28323CA612TA3</b>	27,598	35.63	1419	94.1	460	86.0
	1800	365LP	<b>1PC28323CB612TA3</b>	27,686	35.63	1424	95.4	460	85.0
100	3600	405LP	<b>1PC28324AA612TA3</b>	31,648	37.17	1556	94.1	460	108.0
	1800	405LP	<b>1PC28324AB612TA3</b>	31,960	37.17	1560	95.4	460	113.0
125	1800	444LP	<b>1PC28324JB112TA3</b>	38,470	47.53	1785	95.4	460	143.0
200	1800	447LP	<b>1PC28324JB312TA3</b>	56,386	46.50	1776	96.2	460	201.6

Cast iron frame

## HP100 Vertical solid shaft

### 3 thru 250 Hp

IP55\*

#### Features

- Standard or normal thrust
- Meets and exceeds IEEE Std. 841-2021
- Inverter duty per NEMA MG1 Part 31 (VT 20:1. CT 4:1)
- Division 2, Class I, Groups A,B,C & D
- Division 2, Class II, Groups F&G
- Oversized cast iron conduit box
- Bolted lifting eye
- Zinc plated hardware
- Bidirectional fan
- 5 year warranty

#### Applications

- Pumps
- Water and waste water

#### HP100, P-base vertical solid shaft

\* IP56 as option



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
Normal thrust									
230/460 volt									
2	3600	182HP	<b>1PC28221DA116TA3</b>	2,964	21.88	119	86.5	230/460	3.8
	1800	182HP	<b>1PC28221DB116TA3</b>	2,616	21.88	129	89.5	230/460	4.0
3	3600	184HP	<b>1PC28221DA216TA3</b>	4,154	21.88	130	88.5	230/460	6.0
	1800	184HP	<b>1PC28221DB216TA3</b>	3,642	21.88	132	89.5	230/460	6.5
	1200	215HP	<b>1PC28222AC416TA3</b>	5,714	25.96	202	89.5	230/460	6.7
5	3600	213HP	<b>1PC28222AA316TA3</b>	5,008	25.96	187	89.5	230/460	8.8
	1800	213HP	<b>1PC28222AB316TA3</b>	4,990	25.96	200	91.7	230/460	9.7
7 1/2	3600	215HP	<b>1PC28222AA416TA3</b>	5,610	25.96	202	90.2	230/460	11.5
	1800	215HP	<b>1PC28222AB416TA3</b>	5,614	25.96	211	91.7	230/460	12.5
10	3600	254HP	<b>1PC28222BA316TA3</b>	6,468	29.80	302	91.0	230/460	17.5
	1800	254HP	<b>1PC28222BB316TA3</b>	6,708	29.80	304	92.4	230/460	19.0
	1200	284HP	<b>1PC28222CC316TA3</b>	10,790	30.45	449	91.7	230/460	21.0
15	3600	256HP	<b>1PC28222BA416TA3</b>	7,072	29.80	324	91.0	230/460	22.5
	1800	256HP	<b>1PC28222BB416TA3</b>	7,646	29.80	326	93.0	230/460	25.0
	1200	286HP	<b>1PC28222CC416TA3</b>	13,214	30.45	454	91.7	230/460	27.0
460 volt									
20	3600	284HP	<b>1PC28222CA312TA3</b>	8,850	30.45	451	91.7	460	29.0
	1800	284HP	<b>1PC28222CB312TA3</b>	9,914	30.45	471	93.6	460	30.0
25	3600	286HP	<b>1PC28222CA412TA3</b>	9,580	30.45	491	91.7	460	34.0
	1800	286HP	<b>1PC28222CB412TA3</b>	11,152	30.45	504	93.6	460	35.0
30	3600	324HP	<b>1PC28223AA312TA3</b>	13,152	34.70	485	93.6	460	45.0

Cast iron frame

**HP100, P-base vertical solid shaft**

\* IP56 as option

Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
30	1800	324HP	<b>1PC28223AB312TA3</b>	13,284	34.70	518	94.1	460	46.0
	1200	364HP	<b>1PC28223CC312TA3</b>	21,980	36.05	760	94.1	460	49.0
40	3600	326HP	<b>1PC28223AA412TA3</b>	16,498	34.70	544	93.6	460	55.0
50	3600	364HP	<b>1PC28223CA312TA3</b>	20,996	36.05	674	93.6	460	68.0
	1800	364HP	<b>1PC28223CB312TA3</b>	20,884	36.05	723	95.0	460	68.0
60	3600	365HP	<b>1PC28223CA412TA3</b>	25,954	36.05	738	94.1	460	86.0
	1800	365HP	<b>1PC28223CB412TA3</b>	26,040	36.05	760	95.4	460	85.0
75	3600	405HP	<b>1PC28224AA412TA3</b>	29,390	37.17	687	94.1	460	108.0
	1800	405HP	<b>1PC28224AB412TA3</b>	30,530	37.17	767	95.4	460	113.0
100	1800	444HP	<b>1PC28224HB112TA3</b>	37,864	43.03	879	95.4	460	143.0
200	1200	449HP	<b>1PC28224HC512TA3</b>	63,182	51.51	831	95.8	460	210.6

Cast iron frame

## DP200 HPS

### 400 thru 600 Hp

IP55

#### Features

- Insulation Class H, Class B Temp rise
- Division 2, Class I, Groups A,B,C,D (T2D)
- Inverter duty per NEMA MG1 Part 31
- Flexible oversized terminal box that is field modifiable (F1/F2/F3)
- Provisions for Bearing RTDs, Vibration sensors
- High strength zinc-plated hardware
- Durable cast iron frame design
- Insulated bearing on the NDE (non-drive-end)
- 3 year warranty

#### Applications

- Horizontal pumping systems

#### DP200 HPS, foot mounted



Hp	RPM	Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
400	3600	509S	<b>1PC65215EA112AA1</b>	114,920	68.88	4299	96.5	460	430.0
450	3600	5010S	<b>1PC65215EA212AA1</b>	117,180	68.88	4052	96.5	460	480.0
		5010S	<b>1PC65215EA212AK1</b>	130,300	68.88	4052	96.5	460	480.0
500	3600	5011S	<b>1PC65215EA812AA1</b>	117,700	68.88	4598	96.5	460	535.0
		5011S	<b>1PC65215EA812AK1</b>	130,820	68.88	4598	96.5	460	535.0
600	3600	5011S	<b>1PC65215EA012AA1</b>	130,280	68.88	4651	96.7	460	650.0
		5011S	<b>1PC65215EA012AK1</b>	143,400	68.88	4640	96.7	460	650.0

Cast iron frame

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# Parts and kits



# Parts and kits



C-Face kits for field conversion



D-Flange kits for field conversion



Conduit box kits



Fan covers



Drip covers

## C-Face kits for field conversion

### Features

- Complete kits with all hardware necessary for converting foot mounted motors to “C-Face” foot mounting.

### Applications

- ABB - NEMA Motors

### C-Face kits for General Purpose motors



Catalog Number	NEMA Frame	List Price	Aprx. Wt. (lb)
GP100			
<b>J14FE1302A04PSP</b>	140	200	8
<b>J18FE1304A04PSP</b>	180	220	10
<b>J21FE1304A01PSP</b>	210	240	14
<b>J25FE1303A01PSP</b>	250	360	18
<b>J28FE1300A01SP</b>	280	560	42
GP100A			
<b>J14FE1302A03PSP</b>	140	200	8
<b>J18FE1304A03PSP</b>	180	220	11
<b>J21FE1304A03PSP</b>	210	240	14
<b>J25FE1303A03PSP</b>	250	360	19

Red catalog number indicates **NEW** product

### C-face kits for Severe Duty motors



Catalog Number	NEMA Frame	List Price	Aprx. Wt. (lb)
<b>SD100</b>			
<b>J14FE1302PA03SP</b>	140	200	8
<b>J18FE1304PA02SP</b>	180	220	11
<b>J21FE1304A02PSP</b>	210	240	14
<b>J25FE1305A01PSP</b>	250	360	19
<b>J28FE1300A02PSP</b>	280	640	44
<b>J32FE1300A02PSP</b>	320	950	45
<b>J36FE1300PA02SP</b>	360	990	51
<b>J40FE1300PA02SP</b>	400	1,430	88
<b>SD100 IEEE</b>			
<b>J14FE1302PA02SP</b>	140	280	10
<b>J18FE1304PA01SP</b>	180	320	12
<b>J21FE1304PA01SP</b>	210	400	15
<b>J25FE1303PA02SP</b>	250	520	20
<b>J28FE1300PA01SP</b>	280	830	45
<b>J32FE1300PA01SP</b>	320	1,110	45
<b>J36FE1300PA01SP</b>	360	1,190	52
<b>J40FE1300PA01SP</b>	400	1,700	90
<b>SD200</b>			
<b>J44FE1301A03PSP</b>	444-445 - 6315 bearing	3,680	132
<b>SD200 841</b>			
<b>J44FE1303PA01SP</b>	444-445 - 320 bearing	4,000	135
<b>J44FE1301PA01SP</b>	447 - 6315 bearing	4,230	132
<b>J44FE1303A01PSP</b>	449 - 320 bearing	5,300	275
<b>J44FE1301A02PSP</b>	L449 - 6315 bearing	4,230	132

Red catalog number indicates **NEW** product

## D-Flange kits for field conversion

### Features

- Complete kits with all hardware necessary for converting foot mounted motors to “D-Flange” foot mounting.

### Applications

- ABB - NEMA Motors

### D-Flange kits for General Purpose motors



Catalog Number	NEMA Frame	List Price	Aprx. Wt. (lb)
GP100			
<b>J21FE1500A04PSP</b>	210	360	16
<b>J25FE1901A02PSP</b>	250	400	31
GP100, GP100A			
<b>J14FE1501A03PSP</b>	140	280	14
<b>J18FE1500A03PSP</b>	180	320	16
GP100A			
<b>J21FE1500A03PSP</b>	210	360	17
<b>J25FE1901A01PSP</b>	250	400	30

**Red** catalog number indicates **NEW** product

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**D-Flange kits for Severe Duty motors**


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Catalog Number	NEMA Frame	List Price	Aprx. Wt. (lb)
<b>SD100</b>			
<b>J14FE1501A01PSP</b>	140	280	14
<b>J18FE1500A01PSP</b>	180	320	11
<b>J21FE1500A02PSP</b>	210	360	15
<b>J25FE1906A02PSP</b>	250	400	33
<b>SD100 IEEE</b>			
<b>J14FE1501A02PSP</b>	140	360	15
<b>J18FE1500A02PSP</b>	180	400	12
<b>J21FE1500A01PSP</b>	210	480	16
<b>J25FE1906A01PSP</b>	250	600	34

Red catalog number indicates **NEW** product

## Conduit box kits

### Features

- Complete replacement conduit box

### Applications

- ABB - NEMA Motors

### Conduit box kits for General Purpose motors



Catalog Number	NEMA Frame	Additional Details	List Price	Aprx. Wt. (lb)
GP100				
<b>J18CB3000A01PSP</b>	140-180	Aluminum	120	2
<b>J21CB3000A01PSP</b>	210	Aluminum	125	2
<b>J25CB3000A01PSP</b>	250	Aluminum	130	2
<b>J32CB4000A01PSP</b>	280	Stamped steel	240	20
<b>J36CB4000A01PSP</b>	360	Stamped steel	240	58
<b>J44CB1004A01PSP</b>	360	Cast iron	520	58
<b>J44CB1003A01PSP</b>	449	Cast iron	990	40
GP100A				
<b>J18CB3000A02PSP</b>	140-180	Aluminum	120	2
<b>J21CB3000A02PSP</b>	210	Aluminum	125	2
<b>J25CB3000A02PSP</b>	250	Aluminum	130	2

Red catalog number indicates **NEW** product

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**Conduit box kits for Severe Duty motors**


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Catalog Number	NEMA Frame	Additional Details	List Price	Aprx. Wt. (lb)
SD100, SD100 IEEE				
<b>J18CB1001A01PSP</b>	140-180		160	6
<b>J21CB1000A01PSP</b>	210		180	11
<b>J25CB1000A01PSP</b>	250		200	11
<b>J28CB1001A01PSP</b>	280		360	22
<b>J32CB1002A01PSP</b>	320		480	29
SD200, SD200 841, DP200 Crush+				
<b>J44CB1009A03PSP</b>	440	2 - 3" NPT	1,110	90
<b>J44CB1509A01PSP</b>	440	1 - 4" NPT	1,030	68
<b>J44CB1509A05PSP</b>	440	2 - 2.5" NPT	1,270	68
<b>J44CB4001A01PSP</b>	440	Steel, 18.5"X22"X7.5", blank entry	3,170	73
<b>J50CB4801PA00SP</b>	440	Steel, 28.5"X24.4"X20", blank entry	4,940	410
<b>J44CB1008A01SP</b>	444-447	1 - 3" NPT	670	58
<b>J44CB1009A02PSP</b>	449-L449	2 - 4" NPT	1,070	74
<b>J50CB1000A01PSP</b>	500	2 - 4" NPT	2,450	257
<b>J50CB1000A02PSP</b>	500-580	2 - 3" NPT	2,260	257

Red catalog number indicates **NEW** product

## Fan covers

### Features

- Includes fan cover and mounting hardware

### Applications

- ABB - NEMA motors

### Fan covers - standard



Catalog Number	NEMA Frame	List Price	Aprx. Wt. (lb)
GP100			
<b>J14FH3001A01PSP</b>	140	80	1
<b>J28FH4503A01PSP</b>	280	400	9
<b>J32FH4501A01PSP</b>	320	440	10
<b>J36FH4504PA01PSP</b>	360	670	44
<b>J40FH1001PA01PSP</b>	400	690	59
<b>J44FH1500PA01PSP</b>	440	870	79
GP100, GP100A			
<b>J18FH3000A01PSP</b>	180	100	2
<b>J21FH3000A01PSP</b>	210	200	2
<b>J25FH3000A01PSP</b>	250	220	2
GP100A			
<b>J14FH3000A01PSP</b>	140	80	1
SD100, SD100 IEEE			
<b>J14FH1001A01PSP</b>	140	120	6
<b>J18FH1002A01PSP</b>	180	140	6
<b>J21FH1003A01PSP</b>	210-250	280	12
<b>J28FH1007A01PSP</b>	280	400	32
<b>J32FH1005A02PSP</b>	320	440	39
<b>J36FH1500A01SP</b>	360	670	50
<b>J40FH1001A01PSP</b>	400	690	59
SD200, SD200 841			
<b>J44FH1503A01PSP</b>	440	870	75
XP100, XP100 ID1			
<b>J14FH1000A01PSP</b>	140	160	1
<b>J18FH1000A01PSP</b>	180	180	7
<b>J21FH1000A01PSP</b>	210	320	11
<b>J25FH1000A01PSP</b>	250	360	20
<b>J28FH1003A01PSP</b>	280	520	33
<b>J32FH1002A01PSP</b>	320	710	38
<b>J36FH4504A01PSP</b>	360	750	44
<b>J40FH1000A01PSP</b>	400	790	47

Red catalog number indicates **NEW** product

## Fan covers - standard

Catalog Number	NEMA Frame	List Price	Aprx. Wt. (lb)
XP100, XP100 ID1			
<b>J44FH1002A01PSP</b>	440T	1,030	77

Red catalog number indicates **NEW** product

## Fan covers - drip cover ready



Catalog Number	NEMA Frame	List Price	Aprx. Wt. (lb)
GP100			
<b>J14FH4500A02PSP</b>	140	120	4
<b>J18FH4501A02PSP</b>	180	200	11
<b>J21FH4501A03PSP</b>	210	200	11
<b>J25FH4501A01PSP</b>	250	240	11
<b>J28FH4504A02PSP</b>	280	240	29
<b>J44FH5001A01PSP</b>	440	950	55
GP100A			
<b>J14FH4500A03PSP</b>	140	120	4
<b>J18FH4501A03PSP</b>	180	160	11
<b>J21FH4501A04PSP</b>	210	160	11
<b>J25FH4501A02PSP</b>	250	200	11
SD100, SD100 IEE			
<b>J14FH4500A01PSP</b>	140	240	7
<b>J18FH4501A01PSP</b>	180	280	12
<b>J21FH4501A02PSP</b>	210	400	13
<b>J25FH4501A00PSP</b>	250	640	18
<b>J32FH4504A01PSP</b>	280	640	32
<b>J32FH4503A01PSP</b>	320	670	37
<b>J36FH5001A01PSP</b>	360	910	52
<b>J40FH5001A01PSP</b>	400	910	55
XP100, XP100 ID1			
<b>J14FH4500A04PSP</b>	140	240	11
<b>J18FH4501A04PSP</b>	180	280	11
<b>J21FH4501A05PSP</b>	210	320	11
<b>J25FH4501A03PSP</b>	250	400	18
<b>J28FH4504A03PSP</b>	280	670	29
<b>J32FH4503A02PSP</b>	320	1,190	37
<b>J36FH5001A02PSP</b>	360	1,190	52
<b>J40FH5001A02PSP</b>	400	1,190	55
<b>J44FH5001A02PSP</b>	440	1,190	55

Red catalog number indicates **NEW** product

## Drip covers

### Features

- Painted steel drip cover
- Includes mounting hardware
- May required replacement fan cover

### Applications

- ABB - NEMA Motors

### Drip covers for General Purpose



Catalog Number	NEMA Frame	List Price	Aprx. Wt. (lb)
GP100			
<b>J14FH4500A06PSP</b>	140	280	1
<b>J18FH4501A06PSP</b>	180	280	1
<b>J21FH4501A07PSP</b>	210	280	1
<b>J25FH4501A05PSP</b>	250	280	1
<b>J28FH4504A06PSP</b>	280	290	1
<b>J32FH4503A05PSP</b>	320	290	1
<b>J36FH4502A03PSP</b>	360	290	1
<b>J40FH4500A01PSP</b>	400	290	2
<b>J44FH4500A01PSP</b>	440	290	2
GP100A			
<b>J14FH4500A05PSP</b>	140	280	1
<b>J18FH4501A05PSP</b>	180	280	1
<b>J21FH4501A06PSP</b>	210	280	1
<b>J25FH4501A04PSP</b>	250	280	1

Red catalog number indicates **NEW** product

## Drip covers for Severe Duty



Catalog Number	NEMA Frame	List Price	Aprx. Wt. (lb)
SD100, SD100 IEEE			
<b>J14FH4500A07PSP</b>	140	280	1
<b>J18FH4501A07PSP</b>	180	280	1
<b>J21FH4501A08PSP</b>	210	280	1
<b>J25FH4501A06PSP</b>	250	280	1
<b>J28FH4504A04PSP</b>	280	300	2
<b>J32FH4503A03PSP</b>	320	300	2
<b>J36FH4502A01PSP</b>	360	300	2
<b>J40FH4500A02PSP</b>	400	290	2
SD200, SD200 841			
<b>J44FH4500A05PSP</b>	440	290	2
<b>J44FH4500A06PSP</b>	L449	290	2
SD200, SD200 841, DP200			
<b>J50FH4500A01PSP</b>	500	290	2

Red catalog number indicates **NEW** product

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**Drip covers for Explosion Proof**


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Catalog Number	NEMA Frame	List Price	Aprx. Wt. (lb)
XP100, XP100 ID1			
<b>J14FH4500A08PSP</b>	140	280	1
<b>J18FH4501A08PSP</b>	180	280	1
<b>J21FH4501A09PSP</b>	210	280	1
<b>J25FH4501A07PSP</b>	250	280	1
<b>J28FH4504A05PSP</b>	280	290	1
<b>J32FH4503A04PSP</b>	320	290	2
<b>J36FH4502A02PSP</b>	360	290	2
<b>J40FH4500A03PSP</b>	400	290	2
<b>J44FH4500A03PSP</b>	440	290	2

Red catalog number indicates **NEW** product

Motor Mod Express®

Catalog part number structure

Predefined digits		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	-Z	A	N	N
<b>Motor Series</b>																					
<b>100 Series</b>					2																
GP100A	General purpose aluminum	1	L	E	2	1	2	1													
GP100	General purpose	1	L	E	2	2	2	1													
SD100	Severe duty	1	L	E	2	3	2	1													
SD100 LM	Severe duty low maintenance	1	L	E	2	3	2	3													
SD100 IEEE 841	Severe duty IEEE std. 841	1	L	E	2	4	2	1													
SD100 661	Severe duty API 661	1	L	E	2	4	2	2													
SD100 MS	Severe duty two speed	1	L	E	2	3	0	1													
XP100	Explosion proof	1	M	B	2	1	2	1													
XP100 ID1	Explosion proof rig duty	1	M	B	2	2	2	1													
HP100	Vertical solid shaft std. thrust	1	P	C	2	8	2	2													
LP100	Vertical solid shaft high thrust	1	P	C	2	8	3	2													
<b>200 Series</b>					6																
SD200	Severe duty	1	L	E	6	3	2	1													
SD200 841	Severe duty IEEE std. 841	1	L	E	6	3	2	2													
SD200 HPS	Severe duty horizontal pump motors	1	P	C	6	5	2	1													
SD200 Crush+	Severe duty horizontal crusher duty	1	P	C	6	5	2	5													
<b>Frame and power</b>									N	A		N									
<b>Number of poles</b>		2									A										
		4									B										
		6									C										
		8									D										
<b>Configurable digits</b>													12	13	14	15	16		A	N	N
<b>Voltage / Frequency / Winding</b>													N	N							
<b>Mounting</b>															A						
<b>Winding protection</b>																A					
<b>Terminal box</b>																	N				
<b>Modification codes</b>																			A	N	N

A = A through Z  
N = 0 through 9

# Motor Mod Express®

Modification codes	Motor Mod Express®
<b>Bearings</b>	
L61	Insulated bearing-INSOCOAT (Both ends)
L64	Insulated bearing-INSOCOAT (NDE only)
L65	Roller instead of ball bearings
L68	Sealed ball bearings (Both ends)
L69	Hybrid (Ceramic ball) bearings - both ends
L70	Hybrid (Ceramic ball) bearings - NDE
L71	Hybrid (Ceramic ball) bearings - DE
A50	Install bearing RTD's-100 ohm platinum-both ends & terminal heads/block
<b>Conduit box (Configurable digit 16)</b>	
Configurable Digit 0	Top mounted terminal box
Configurable Digit 1	C-2 ceiling
Configurable Digit 2	F-2
Configurable Digit 4	W-6 shaft down
Configurable Digit 5	W-7 (F-2) shaft down
Configurable Digit 6	W-5 (F-2) shaft up
Configurable Digit 7	W-8 shaft up
Configurable Digit 8	C-1 (F-2) ceiling
Configurable Digit 9-R1A	W-1 (F-2) wall
Configurable Digit 9-2RA	W-2 wall
Configurable Digit 9-3RA	W-3 wall
Configurable Digit 9-4RA	W-4 (F-2) wall
Configurable Digit 0 (200 series)	Top mounted terminal box from RHS - drive end side
Configurable Digit 2 (200 series)	RHS mount - view from DE - driver end side (F2)
Configurable Digit 3 (200 series)	Top mounted terminal box from LHS - drive end side
<b>Conduit box</b>	
J12	Outlet to main box for thermostats
J13	Aux box to main box for thermostats
J52	Outlet to main box for space heaters
J84	Conduit box (DE) orientation 90° CCW
J85	Conduit box (TOP) orientation 180° CCW
J86	Conduit box (ODE) orientation 180° CCW
L01	Cast iron main terminal box in lieu of aluminium
R00	Cast iron aux box for thermal protection - Position 1 (F1 DE)
R01	Cast iron aux box for thermal protection - Position 2 (F2 DE)
R02	Cast iron aux box for thermal protection - Position 4 (F1 NDE)
R03	Cast iron aux box for thermal protection - Position 5 (F2 NDE)
R04	Outlet for thermal protection - Position 1 (F1 DE)
R05	Outlet for thermal protection - Position 2 (F2 DE)
R06	Outlet for thermal protection - Position 4 (F1 NDE)
R07	Outlet for thermal protection - Position 5 (F2 NDE)
R10	Cast iron aux box for space heaters - Position 1 (F1 DE)
R11	Cast iron box for space heaters - Position 2 (F2 DE)
R12	Cast iron aux box for space heaters - Position 4 (F1 NDE)
R13	Cast iron aux box for space heaters - Position 5 (F2 NDE)
R14	Outlet for space heaters - Position 1 (F1 DE)
R15	Outlet for space heaters - Position 2 (F2 DE)

# Motor Mod Express®

Modification codes	Motor Mod Express®
<b>Conduit box (cont...)</b>	
R16	Outlet for space heaters - Position 4 (F1 NDE)
R17	Outlet for space heaters - Position 5 (F2 NDE)
R20	Cast iron aux box for all accessories - Position 1 (F1 DE)
R21	Cast iron aux box for all accessories - Position 2 (F2 DE)
R22	Cast iron aux box for all accessories - Position 4 (F1 NDE)
R23	Cast iron aux box for all accessories - Position 5 (F2 NDE)
R24	Outlet for all accessories - Position 1 (F1 DE)
R25	Outlet for all accessories - Position 2 (F2 DE)
R26	Outlet for all accessories - Position 4 (F1 NDE)
R27	Outlet for all accessories - Position 5 (F2 NDE)
T00	Main terminal box - at a 45° angle
T03	Main terminal box - oversized steel (centered cable entry)
T04	Steel terminal box oversized 20X20X16(in) with blank entry
T10	Centered terminal box
T11	Centered retrofit terminal box
T50	Dual entry hole terminal box
<b>Drains</b>	
L45	SST - Slot breather drain
L46	CROUSE HINDS UL approved breather drain
<b>Drip covers</b>	
K33	Drip cover
<b>Leads (Configurable digits 12 &amp; 13)</b>	
Configurable Digit 11	Reconnect motor to low voltage (230V)
Configurable Digit 12	Reconnect motor to high voltage (460V)
Configurable Digit 22	Reconnect to PWS 460, 60Hz
Configurable Digit 32	Reconnect to Wye-Start Delta-Run 460, 60Hz
<b>Leads</b>	
K80	BURNDY HYDENT YA type terminals
K89	Sealed leads
<b>Lubrication</b>	
L57	MOBIL 28 - High or low - Special grease
L58	MOBILTH SHC 100 - Special grease
L60	ALEMITE and grease relief fitting
L49	Automatic grease relief fitting
<b>Seals</b>	
L76	Shaft slinger & O ring
L79	INPRO/SEAL DE
L80	INPRO/SEAL ODE
L81	INPRO/SEAL both ends
L89	INPRO/SEAL MGS shaft grounding - DE

# Motor Mod Express®

Modification codes	Motor Mod Express®
<b>Mountings (Configurable digit 14)</b>	
E Position	C - Face with feet
F Position	D - Flange with feet
G Position	C - Face without feet
H Position	D - Flange without feet
L Position	C - Face without feet with drip cover and lifting hooks
M Position	D - Flange without feet with drip cover and lifting hooks
N Position	C - Face with feet with drip cover
P Position	D - Flange with feet with drip cover
T Position	P-Base without feet with drip cover and lifting hooks
C Position	Foot mounted vertical shaft-down without canopy (IMV5)
D (200 series) Position	Foot mounted vertical shaft-up (IMV6)
N (200 series) Position	Foot mounted C-face horizontal (IMB34 - F1/F2/F3)
P (200 series) Position	Foot mounted C-face vertical shaft up - W6/W7/W12)
Q (200 series) Position	Foot mounted C-face vertical shaft-up - W5/W8/W11
T (200 series) Position	Foot wall mount horizontal (MB6, - W2/WF)
U (200 series) Position	Foot wall mounted horizontal (IMB7 - W1/W3)
V (200 series) Position	Foot ceiling mount horizontal (IMB8 - C1/C2/C3)
<b>Export</b>	
B09	Export packaging sea freight - ABB standard
<b>Nameplates</b>	
C40	Re-rate 400V to 380V, 50Hz
C41	Re-rate 400V to 415V, 50Hz
Y80	Derate-Alt-Amb (Nameplate change)
Y82	Auxillary n/p Max. 40 characters (Aux tag)
<b>Blower</b>	
M08	Separately driven auxillary fan for 1000:1 CT - VFD only operation
<b>Lifting lugs</b>	
K34	Vertical lifting devices (No drip cover)
<b>Hardware</b>	
L22	Stainless steel hardware (Includes T drain SS)
<b>Thermal protection (Configurable digit 15)</b>	
G	Thermostats normally closed, temp code T3C, 1 per phase
<b>Thermistors</b>	
A46	Space heaters 115V single phase, max temp 160°C
A47	Space heaters 230V single phase, max temp 160°C
A48	Space heaters 115V/230V single phase, max temp 160°C
<b>Tropicalization</b>	
C07	Insulation fungus protection - No UL

# Motor Mod Express®

Modification codes	Motor Mod Express®
<b>Weather proofing</b>	
L90	IP66 Ingress Protection
<b>Grounding screws</b>	
L27	Ground bolts - Qty 2
<b>Testing</b>	
F10	Routine test report
F12	Routine test report (Witnessed)
F15	Complete test
F17	Complete test (Witnessed)
F20	Routine test + vibration
F22	Routine test + vibration (Witnessed)
F27	Performance load test (Curve report)
F36	Routine test report of electrical duplicate design
F37	Type test report of electrical duplicate design
<b>Terminal block</b>	
K83	Terminal block in main box
<b>Shaft grounding</b>	
L29	Shaft grounding brush
<b>Documentation</b>	
F00	Certificate of compliance
F01	Certificate of Origin - Stamped by Chamber of Commerce
F03	Standard performance curves
F04	Acceleration time calculation
F07	Curve package at 100% and 80% voltages (S-T, PERF)
F08	Shaft torsional analysis (includes shaft drawing)
F09	Bearing L10 calculation
F40	Stall time curve (thermal limit curve)
F42	Standard dimensional sheet
F43	Non-standard dimensional sheet
F44	Conduit box dimension sheet
F45	Wiring diagram
F46	Instruction and operation manual in English
F47	Renewal parts
F49	Performance data sheets
F50	Customer specific data sheets
F51	Shaft profile detail (included materials data)
F60	Visual inspection proof (Max 8X photos)
<b>Frame</b>	
K38	Provisions for dowel holes
K70	Rotation arrow bi-directional
K71	Rotation arrow clockwise (From NDE)
K72	Rotation arrow counter-clockwise (From NDE)
M39	Vertical jacking provisions

## Motor Mod Express®

### Bearings

**L61** (Modification code)

#### Insulated bearing-INSOCOAT (Both ends)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
364-365	8,510	—
404-449	9,200	—
444-5813	—	18,400
Not for Roller Bearing		

**L64** (Modification code)

#### Insulated bearing-INSOCOAT (NDE Only)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
364-365	4,255	—
404-449	4,600	—
444-5813	—	9,660

**L65** (Modification code)

#### Roller instead of ball bearings

NEMA frame	List price per motor	
	SD,, XP, HP, LP 100 Series	
284-405	2,795	

**L68** (Modification code)

#### Sealed ball bearings (Both ends)

NEMA frame	List price per motor	
	GP 100 Series	SD 200 Series
143-215	527	—
254-326	1,053	—
364-365	1,316	—
404-449	2,107	—
449-L449	—	2,300
No 2 pole. Not for Roller Bearing		

## Motor Mod Express®

### Bearings (cont.)

L69 (Modification code)

#### Hybrid (Ceramic ball) bearings - both ends

NEMA frame	List price per motor	
	SD, XP 100 Series	SD, DP 200 Series
143-184	3,054	—
213-215	4,821	—
254-256	5,364	—
284-286	7,627	—
324-326	11,081	—
364-365	14,343	—
404-405	24,955	—
440	26,694	—
449L449	—	27,600
509-5813	—	45,379

Not for roller bearing. Not for SD10 MS.

L70 (Modification code)

#### Hybrid (Ceramic ball) bearings - NDE

NEMA frame	List price per motor	
	SD, XP, HP 100 Series	SD, DP 200 Series
143-145	1,527	—
182-184	1,527	—
213-215	2,410	—
254-256	2,682	—
284-286	3,813	—
324-326	5,541	—
364-365	7,171	—
404-405	12,478	—
440	13,347	—
449-L449	—	13,800
509-5813	—	22,701

Not for roller bearing. Not for SD10 MS.

## Motor Mod Express®

### Bearings (cont.)

L71 (Modification code)

#### Hybrid (Ceramic ball) bearings - DE

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
182-184	1,527	—
213-215	2,410	—
254-256	2,682	—
284-286	3,813	—
324-326	5,541	—
364-365	7,171	—
404-405	12,478	—
440	13,347	—
449-L449	—	16,100
509-5813	—	22,701

Not for roller bearing. Not for SD10 MS.

A50 (Modification code)

#### Install bearing RTD's-100 ohm platinum - Both ends & terminal heads/block

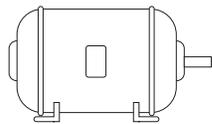
NEMA frame	List price per motor	
	SD, DP 200 Series	
509-5813	7,061	

## Motor Mod Express®

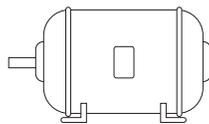
# Mounting positions

Use for reference for mounting

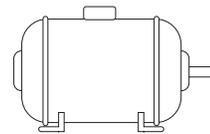
### Floor Mountings



Assembly F-1

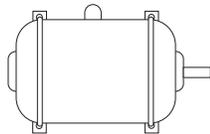


Assembly F-2

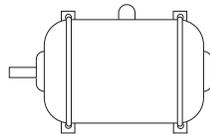


Assembly F-3

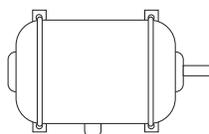
### Wall Mountings



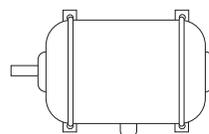
Assembly W-1



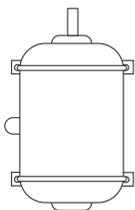
Assembly W-2



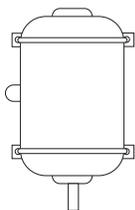
Assembly W-3



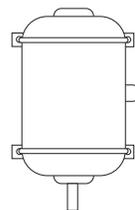
Assembly W-4



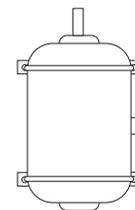
Assembly W-5



Assembly W-6

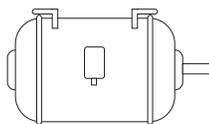


Assembly W-7

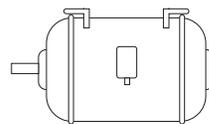


Assembly W-8

### Ceiling Mountings



Assembly C-1



Assembly C-2

## Motor Mod Express®

### Conduit Box

0 (Configurable digit 16)

#### Top mounted terminal box

		List price per motor
		<b>SD, DP</b>
<b>NEMA frame</b>		<b>200 Series</b>
509-5813		288

1 (Configurable digit 16)

#### C-2 ceiling

		List price per motor
		<b>SD, GP, XP, HP, LP</b>
<b>NEMA frame</b>		<b>100 Series</b>
143-449		308

2 (Configurable digit 16)

#### F-2

		List price per motor
		<b>SD, GP, XP, HP, LP</b>
<b>NEMA frame</b>		<b>100 Series</b>
143-449		653

4 (Configurable digit 16)

#### W-6 shaft down

		List price per motor
		<b>SD, GP, XP, HP, LP</b>
<b>NEMA frame</b>		<b>100 Series</b>
143-449		465

5 (Configurable digit 16)

#### W-7 (F-2) shaft down

		List price per motor
		<b>SD, GP, XP, HP, LP</b>
<b>NEMA frame</b>		<b>100 Series</b>
143-449		662

## Motor Mod Express®

### Conduit box (cont.)

6 (Configurable digit 16)

#### W-5 (F-2) shaft up

		List price per motor
		SD, DP
<b>NEMA frame</b>		<b>200 Series</b>
143-449		662

7 (Configurable digit 16)

#### W-8 shaft up

		List price per motor
		SD, GP, XP, HP, LP
<b>NEMA frame</b>		<b>100 Series</b>
143-449		301

8 (Configurable digit 16)

#### F-2

		List price per motor
		SD, GP, XP, HP, LP
<b>NEMA frame</b>		<b>100 Series</b>
143-449		653

9 (Configurable digit 16) **R1A** (Modification code)

#### W-1 (F-2) wall

		List price per motor
		SD, GP, XP, HP, LP
<b>NEMA frame</b>		<b>100 Series</b>
143-449		653

9 (Configurable digit 16) **R2A** (Modification code)

#### W-2 wall

		List price per motor
		SD, GP, XP, HP, LP
<b>NEMA frame</b>		<b>100 Series</b>
143-449		299

## Motor Mod Express®

### Conduit box (cont.)

9 (Configurable digit 16) **R3A** (Modification code)

#### W-3 wall

		List price per motor
		SD, DP 200 Series
<b>NEMA frame</b>		299
143-449		299

9 (Configurable digit 16) **R4A** (Modification code)

#### W-4 (F-2) wall

		List price per motor
		SD, GP, XP, HP, LP 100 Series
<b>NEMA frame</b>		653
143-449		653

0 (Configurable digit 16)

#### Top mounted terminal box from RHS - drive end side

		List price per motor
		SD, DP 200 Series
<b>NEMA frame</b>		690
444-5813		690

2 (Configurable digit 16)

#### RHS mount - view from DE - drive end side (F2)

		List price per motor
		SD, DP 200 Series
<b>NEMA frame</b>		690
444-5813		690

3 (Configurable digit 16)

#### Top mounted terminal box from LHS - drive end side

		List price per motor
		SD, GP, XP, HP, LP 100 Series
<b>NEMA frame</b>		690
444-5813		690

## Motor Mod Express®

### Conduit Box

**J12** (Modification code)

#### Outlet to main box for thermostats

		List price per motor
<b>NEMA frame</b>		SD, DP 200 Series
143-449		577

**J13** (Modification code)

#### Aux box to main box for thermostats

		List price per motor
<b>NEMA frame</b>		SD, XP, HP, LP 100 Series
286-449		—

**J52** (Modification code)

#### Outlet to main box for space heaters

		List price per motor
<b>NEMA frame</b>		SD,, XP, HP, LP 100 Series
143-449		577

**L53** (Modification code)

#### Aux box to main box for space heaters

		List price per motor
<b>NEMA frame</b>		SD 200 Series
449-L449		2,300

**J84** (Modification code)

#### Conduit box (DE) Orientation 90° CCW

NEMA frame	List price per motor	
	SD, GP, XP, HP, LB 100 Series	SD, DP 200 Series
143-449	308	—
449-L449	—	230
509-5813	—	621

Not for GP100A

## Motor Mod Express®

### Conduit box (cont.)

**J85** (Modification code)

#### Conduit box (ODE) orientation 180° CCW

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, XP, HP, LP 100 Series
143-449	308	—
449-L449	—	230
509-5813	—	621

Not for GP100A

**L86** (Modification code)

#### Conduit box (ODE) orientation 270° CCW

NEMA frame	List price per motor	
	SD, XP, HP, LP 100 Series	
143-449	308	—
449-L449	—	230
509-5813	—	621

Not for GP100A

**L01** (Modification code)

#### Conduit box (ODE) orientation 270° CCW

NEMA frame	List price per motor	
		SD, DP 200 Series
143-145		340
182-184		354
213-215		370
254-256		384
284-286		414
324-326		458
364-365		501
404-405		577

Not for GP100A

## Motor Mod Express®

### Conduit box (cont.)

**R00** (Modification code)

#### Cast iron aux box for thermal protection - Position 1 (F1 DE)

		List price per motor
NEMA frame		SD, DP 200 Series
449-L449		920
509-5813		1,380

**R01** (Modification code)

#### Cast iron aux box for thermal protection - Position 2 (F2 DE)

		List price per motor
NEMA frame		SD, XP, HP, LP 100 Series
449-L449		920
509-5813		1,380

**R02** (Modification code)

#### Cast iron aux box for thermal protection - Position 4 (F1 NDE)

		List price per motor
NEMA frame		SD, XP, HP, LP 100 Series
449-L449		920
509-5813		1,380

**R03** (Modification code)

#### Outlet for thermal protection

		List price per motor
NEMA frame		SD, DP 200 Series
449-L449		920
509-5813		1,380

## Motor Mod Express®

### Conduit box (cont.)

R04 (Modification code)

#### Outlet for thermal protection - Position 1 (F1 DE)

		List price per motor
NEMA frame		SD, DP 200 Series
449-L449		575
509-5813		920

R05 (Modification code)

#### Outlet for thermal protection - Position 2 (F2 DE)

		List price per motor
NEMA frame		SD, XP, HP, LP 100 Series
449-L449		575
509-5813		920

R06 (Modification code)

#### Outlet for thermal protection - Position 4 (F1 NDE)

		List price per motor
NEMA frame		SD, XP, HP, LP 100 Series
449-L449		575
509-5813		920

R07 (Modification code)

#### Outlet box for thermal protection

		List price per motor
NEMA frame		SD, DP 200 Series
449-L449		920
509-5813		1,380

## Motor Mod Express®

### Conduit box (cont.)

**R10** (Modification code)

#### Cast iron aux box for space heaters - Position 1 (F2 NDE)

	List price per motor
<b>NEMA frame</b>	<b>SD, DP 200 Series</b>
449-L449	920
509-5813	1,380

**R11** (Modification code)

#### Cast iron aux box for space heaters - Position 2 (F2 DE)

	List price per motor
<b>NEMA frame</b>	<b>SD, XP, HP, LP 100 Series</b>
449-L449	920
509-5813	1380

**R12** (Modification code)

#### Cast iron aux box for space heaters - Position 4 (F1 NDE)

	List price per motor
<b>NEMA frame</b>	<b>SD, XP, HP, LP 100 Series</b>
449-L449	920
509-5813	1,380

**R13** (Modification code)

#### Cast iron aux box for space heaters - Position 5 (F2 NDE)

	List price per motor
<b>NEMA frame</b>	<b>SD, XP, HP, LP 100 Series</b>
449-L449	920
509-5813	1,380

## Motor Mod Express®

### Conduit box (cont.)

**R14** (Modification code)

#### Outlet for space heaters - Position 1 (F1 DE)

	List price per motor
NEMA frame	SD, DP 200 Series
449-L449	575
509-5813	920

**R15** (Modification code)

#### Outlet box for space heaters - position 2 (F2 DE)

	List price per motor
NEMA frame	SD, XP, HP, LP 100 Series
449-L449	575
509-5813	920

**R16** (Modification code)

#### Outlet for space heaters - Position 4 (F1 NDE)

	List price per motor
NEMA frame	SD, XP, HP, LP 100 Series
449-L449	575
509-5813	920

**R17** (Modification code)

#### Outlet for space heaters

	List price per motor
NEMA frame	SD, XP, HP, LP 100 Series
449-L449	575
509-5813	920

## Motor Mod Express®

### Conduit box (cont.)

**R20** (Modification code)

#### Cast iron aux box for all accessories - Position 1 (F1 DE)

	List price per motor
NEMA frame	SD, DP 200 Series
449-L449	920
509-5813	1,380

**R21** (Modification code)

#### Cast iron aux box for all accessories - Position 2 (F2 DE)

	List price per motor
NEMA frame	SD, XP, HP, LP 100 Series
449-L449	920
509-5813	1,380

**R22** (Modification code)

#### Cast iron aux box for all accessories - Position 4 (F1 NDE)

	List price per motor
NEMA frame	SD, XP, HP, LP 100 Series
449-L449	920
509-5813	1,380

**R23** (Modification code)

#### Cast iron aux box for all accessories - Position 5 (F2 NDE)

	List price per motor
NEMA frame	SD, XP, HP, LP 100 Series
449-L449	920
509-5813	1,380

## Motor Mod Express®

### Conduit box (cont.)

**R24** (Modification code)

#### Outlet for all accessories - Position 1 (F1 DE)

	List price per motor
NEMA frame	SD, DP 200 Series
449-L449	575
509-5813	920

**R25** (Modification code)

#### Outlet for all accessories - Position 2 (F2 DE)

	List price per motor
NEMA frame	SD, XP, HP, LP 100 Series
449-L449	575
509-5813	920

**R26** (Modification code)

#### Outlet for all accessories - Position 2 (F2 DE)

	List price per motor
NEMA frame	SD, XP, HP, LP 100 Series
449-L449	575
509-5813	920

**R27** (Modification code)

#### Outlet for all accessories - Position 5 (F2 NDE)

	List price per motor
NEMA frame	SD, XP, HP, LP 100 Series
449-L449	575
509-5813	920

## Motor Mod Express®

### Conduit box (cont.)

**T00** (Modification code)

#### Main thermal box - at a 45° angle

		List price per motor
		SD, DP
<b>NEMA frame</b>		<b>200 Series</b>
449-5813		945

**T03** (Modification code)

#### Main terminal box - oversized steel (Centered cable entry)

		List price per motor
		SD, DP
<b>NEMA frame</b>		<b>200 Series</b>
449-L449		3,220

**T04** (Modification code)

#### Steel terminal box oversized 20X20X16(in) with blank entry

		List price per motor
		SD, DP
<b>NEMA frame</b>		<b>200 Series</b>
449-L449		6,624

**T10** (Modification code)

#### Centered terminal box

		List price per motor
		SD, DP
<b>NEMA frame</b>		<b>200 Series</b>
449-L449		6,624

**T11** (Modification code)

#### Centered retrofit terminal box

		List price per motor
		SD, DP
<b>NEMA frame</b>		<b>200 Series</b>
440		1,610

## Motor Mod Express®

### Conduit box (cont.)

T50 (Modification code)

#### Dual entry hole terminal box

NEMA frame	List price per motor	
	SD, GP, XP, HP, LB 100 Series	SD, DP 200 Series
L449		805
500		805
580		805

### Drains

L45 (Modification code)

#### SS T - Slot breather drain

NEMA frame	List price per motor	
	SD, GP, XP, HP, LB 100 Series	SD, DP 200 Series
143-145	370	—
182-184	370	—
213-215	370	—
254-256	538	—
284-286	338	—
324-326	538	—
364-365	706	—
404-405	706	—
440	—	690
L449	—	690
500	—	690
580	—	690

Not for GP100A

L46 (Modification code)

#### CROUSE HINDS UL approved breather drain

NEMA frame	List price per motor	
	SD, XP, HP, LB 100 Series	SD, DP 200 Series
284-286	812	—
324-326	812	—
364-365	812	—
404-405	812	—
440	812	805
L449	—	805
500	—	874
580	—	874

## Motor Mod Express®

### Drip covers

**K33** (Modification code)

#### Drip cover

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	352	—
182-184	352	—
213-215	352	—
254-256	384	—
284-286	384	—
324-326	679	—
364-365	1,378	—
404-405	1,927	—
440	3,565	920
L449	—	920
500	—	6,831
580	—	6,831

### Leads

**11** (Configurable digits 12-13)

#### Reconnect motor to low voltage (230V)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	
143-145	283	
182-184	283	
213-215	317	
254-256	366	
284-286	370	
324-326	370	
364-365	439	
404-405	439	
444-449	529	

## Motor Mod Express®

### Leads (cont.)

12 (Configurable digits 12-13)

#### Reconnect motor to high voltage (460V)

NEMA frame	List price per motor
	SD, GP, XP, HP, LP 100 Series
143-145	283
182-184	283
213-215	317
254-256	366
284-286	370
324-326	370
364-365	439
404-405	439
444-449	529

On 230/460 stock motors

22 (Configurable digits 12-13)

#### Reconnect to PWS 460V, 60Hz

NEMA frame	List price per motor
	SD, DP 200 Series
444-L449	1,725
509-5813	3,496

32 (Configurable digits 12-13)

#### Reconnect to WyeStrt-DeltaRun 460, 60Hz

NEMA frame	List price per motor
	SD, DP 200 Series
444-L449	1,725
509-5813	3,496

Consider long delivery time for 509-5813

## Motor Mod Express®

### Leads (cont.)

**K80** (Modification code)

#### BURNDY HYDENT YA type terminals

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	393	—
182-184	393	—
213-215	393	—
254-256	393	—
284-286	393	—
324-326	393	—
364-365	393	—
404-405	393	—
440	393	345
L449	—	345
500	—	345
580	—	345

**K89** (Modification code)

#### Sealed leads

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	345	—
182-184	345	—
213-215	345	—
254-256	345	—
284-286	345	—
324-326	345	—
364-365	345	—
404-405	460	—
440	460	—

Not for GP100A

# Motor Mod Express®

## Lubrication

L57 (Modification code)

### MOBIL 28 - High or low - Special grease

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	1,116	—
182-184	2,059	—
213-215	2,059	—
254-256	2,059	—
284-286	2,059	—
324-326	2,829	—
364-365	2,829	—
404-405	3,772	—
440	3,722	3,450
L449	—	3,450
500	—	3,795
580	—	3,795

Not for GP100A

## Motor Mod Express®

### Lubrication (cont.)

**L58** (Modification code)

#### MOBILITH SHC 100 - Special grease

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	773	—
182-184	773	—
213-215	773	—
254-256	773	—
284-286	773	—
324-326	1,458	—
364-365	1,458	—
404-405	1,458	—
440	1,458	1,495
L449	—	1,495
500	—	1,955
580	—	1,955

Not for GP100A

**L60** (Modification code)

#### BURNDY HYDENT YA type terminals

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	428	—
182-184	428	—
213-215	428	—
254-256	428	—
284-286	428	—
324-326	428	—
364-365	428	—
404-405	428	—
440	428	—

GP100 Only 280-449, STD on SD100 IEEE, SD661, Not for GP100A

**L49** (Modification code)

#### Automatic grease refill fitting

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
440	—	345
L449	—	345
500	—	*
580	—	*

## Motor Mod Express®

### Seals

L76 (Modification code)

#### Shaft slinger & O ring

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	202	—
182-184	202	—
213-215	202	—
254-256	278	—
284-286	278	—
324-326	377	—
364-365	377	—
404-405	490	—
440	490	460
L449	—	460

Not for GP100A Not for 2 pole motors.

L79 (Modification code)

#### INPRO/SEAL DE

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	1,175	—
182-184	1,175	—
213-215	1,226	—
254-256	1,431	—
284-286	1,481	—
324-326	1,559	—
364-365	1,789	—
404-405	2,197	—
440	2,401	2,300
L449	—	2,300
500	—	2,645
580	—	2,645

Not for GP100A, Std. on SD100 IEEEE841 and SD 661.

## Motor Mod Express®

### Seals (cont.)

**L80** (Modification code)

#### INPRO/SEAL ODE

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	1,175	—
182-184	1,175	—
213-215	1,226	—
254-256	1,431	—
284-286	1,481	—
324-326	1,559	—
364-365	1,789	—
404-405	2,197	—
440	2,401	2,300
L449	—	2,300
500	—	2,645
580	—	2,645

Not for GP100A, Std. on SD100 IEEE841 and SD 661.

**L81** (Modification code)

#### INPRO/SEAL both ends

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	2,348	—
182-184	2,348	—
213-215	2,452	—
254-256	2,861	—
284-286	2,965	—
324-326	3,119	—
364-365	3,579	—
404-405	4,395	—
440	4,802	4,600
L449	—	4,600
500	—	5,290
580	—	5,290

Not for GP100A, Std. on SD100 IEEE841 and SD 661.

## Motor Mod Express®

### Seals

L89 (Modification code)

#### INPRO/SEAL MGS shaft grounding - DE

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	1,748	—
182-184	1,909	—
213-215	2,227	—
254-256	2,576	—
284-286	2,852	—
324-326	3,197	—
364-365	3,473	—
404-405	4,071	—
440	5,727	5,727
L449	—	5,727
500	—	7,636
580	—	7,636

Not for GP100A, Std. on SD100 IEEEE841 and SD 661.

### Mountings

E (Mounting position. Configurable digit 14)

#### C-face with feet

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	
143-145	244	
182-184	354	
213-215	377	
254-256	527	
284-286	2,001	
324-326	2,164	
364-365	2,337	
404-405	2,900	
440-449	3,424	

Not for 2 Pole 440. Not for Roller Bearing.

## Motor Mod Express®

### Mountings (cont.)

**F** (Mounting position. Configurable digit 14)

#### D - flange with feet

NEMA frame	List price per motor
	SD, GP, XP, HP, LP 100 Series
143-145	653
182-184	830
213-215	911
254-256	1,780
284-286	2,498
324-326	2,919
364-365	3,406
404-405	4,545
440-449	5,490

Not for GP100A, Std. on SD100 IEEE841 and SD 661.

**G** (Mounting position. Configurable digit 14)

#### C-face without feet

NEMA frame	List price per motor
	SD, GP, XP, HP, LP 100 Series
143-145	207
182-184	304
213-215	304
254-256	414
284-286	2,160
324-326	2,367
364-365	3,008
404-405	3,873
440-449	5,297

Not for 2 Pole 440, Not for Roller Bearing. Not for footless frame motors.

## Motor Mod Express®

### Mountings (cont.)

**H** (Mounting position. Configurable digit 14)

#### D - flange without feet

NEMA frame	List price per motor
	SD, GP, XP, HP, LP 100 Series
143-145	695
182-184	911
213-215	984
254-256	1,861
284-286	2,815
324-326	3,340
364-365	4,612
404-405	6,392
440-449	8,961

Not for 2 Pole 440. Not for Roller Bearing. Not for XP 140-250. Not for footless frame motors.

**L** (Mounting position. Configurable digit 14)

#### C - face without feet with drip cover and lifting hooks

NEMA frame	List price per motor
	SD, GP, XP, HP, LP 100 Series
143-145	492
182-184	545
213-215	550
254-256	731
284-286	2,544
324-326	3,045
364-365	4,386
404-405	5,801
440-449	8,862

Not for 2 Pole 440. Not for Roller Bearing. Not for XP 140-250. Not for footless frame motors.

## Motor Mod Express®

### Mountings (cont.)

**M** (Mounting position. Configurable digit 14)

#### D - flange without feet with drip cover and lifting hooks

NEMA frame	List price per motor
	SD, GP, XP, HP, LP 100 Series
143-145	1,047
182-184	1,263
213-215	1,336
254-256	2,245
284-286	3,199
324-326	4,018
364-365	5,989
404-405	8,319
440-449	12,526

Not for 2 Pole 440. Not for Roller Bearing. Not for XP 140-250. Not for footless frame motors.

**N** (Mounting position. Configurable digit 14)

#### C-face with feet with drip cover

NEMA frame	List price per motor
	SD, GP, XP, HP, LP 100 Series
143-145	826
182-184	925
213-215	1,003
254-256	1,822
284-286	2,385
324-326	2,843
364-365	3,715
404-405	4,828
440-449	6,999

# Motor Mod Express®

## Mountings (cont.)

**P** (Mounting position. Configurable digit 14)

### D - flange with feet with drip cover

NEMA frame	List price per motor
	SD, GP, XP, HP, LP 100 Series
143-145	1,005
182-184	1,182
213-215	1,263
254-256	2,164
284-286	2,882
324-326	3,597
364-365	4,784
404-405	6,472
440-449	9,055

**C** (Mounting position. Configurable digit 14)

### Foot mounted vertical shaft-down without canopy (IMV5)

NEMA frame	List price per motor
	SD, DP 200 Series
444-L449	4,830
500-580	17,112

**D** (Mounting position. Configurable digit 14)

### Foot mounted vertical shaft-up (IMV6)

NEMA frame	List price per motor
	SD, DP 200 Series
444-L449	4,830
500-580	17,112

**N** (Mounting position. Configurable digit 14)

### Foot mounted C-face horizontal (IMB34 - F1/F2/F3)

NEMA frame	List price per motor
	SD, DP 200 Series
444-L449	2,990

## Motor Mod Express®

### Mountings (cont.)

**P** (Mounting position. Configurable digit 14)

#### Foot mounted C-face vertical shaft-down without canopy - W6/W7/W12

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
444-L449	—	7,360

**Q** (Mounting position. Configurable digit 14)

#### Foot mounted C-face vertical shaft-up - W5/W8/W11

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
444-L449	—	7,360

**T** (Mounting position. Configurable digit 14)

#### Foot wall mount horizontal (IMB6 - W2/W4)

NEMA frame	List price per motor	
	SD, DP 200 Series	
444-L449	4,860	
500-580	34,201	

**U** (Mounting position. Configurable digit 14)

#### Foot wall mount horizontal (IMB7 - W1/W3)

NEMA frame	List price per motor	
	SD, DP 200 Series	
444-L449	4,860	
500-580	34,201	

**V** (Mounting position. Configurable digit 14)

#### Foot ceiling mount horizontal (IMB8 - C1/C2/C3)

NEMA frame	List price per motor	
	SD, DP 200 Series	
444-L449	4,860	
500-580	34,201	

## Motor Mod Express®

### Export

**B09** (Modification code)

#### Export packaging sea freight - ABB standard

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	300	—
182-184	460	—
213-215	740	—
254-256	740	—
284-286	740	—
324-326	1,000	—
364-365	1,200	—
404-405	1,800	—
440	2,020	2,323
L449	—	2,323
500	—	5,589
580	—	5,589

### Nameplates

**C40** (Modification code)

#### Re-rate 400V to 380V, 50Hz

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	377	—
182-184	377	—
213-215	377	—
254-256	377	—
284-286	377	—
324-326	377	—
364-365	377	—
404-405	377	—
440	377	391

## Motor Mod Express®

### Nameplate (cont.)

**C41** (Modification code)

#### Export packaging sea freight - ABB standard

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	377	—
182-184	377	—
213-215	377	—
254-256	377	—
284-286	377	—
324-326	377	—
364-365	377	—
404-405	377	—
440	377	391

**Y80** (Modification code)

#### Derate-alt-amb (Nameplate change)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	377	—
182-184	377	—
213-215	377	—
254-256	377	—
284-286	377	—
324-326	377	—
364-365	377	—
404-405	377	—
440	377	391
L449	—	391
500	—	391
580	—	391

## Motor Mod Express®

### Nameplate (cont.)

Y82 (Modification code)

#### Auxillary nameplate max. 40 characters (Aux tag)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	377	—
182-184	377	—
213-215	377	—
254-256	377	—
284-286	377	—
324-326	377	—
364-365	377	—
404-405	377	—
440	377	230
L449	—	230
500	—	230
580	—	230

### Blower

Y80 (Modification code)

#### Separately driven fan for 1000:1 CT - VFD only operation

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
440	—	7,820
L449	—	7,820
500	—	7,820
580	—	7,820

## Motor Mod Express®

### Lifting lugs

**K34** (Modification code)

#### Vertical lifting devices (No drip cover)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	541	—
182-184	658	—
213-215	658	—
254-256	892	—
284-286	957	—
324-326	1,656	—
364-365	1,656	—
404-405	2,088	—
440	2,302	—

Not for GP100A. Not for SD661.

### Hardware

**L22** (Modification code)

#### Stainless steel hardware (Includes T drain SS)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	467	—
182-184	467	—
213-215	467	—
254-256	467	—
284-286	467	—
324-326	577	—
364-365	708	—
404-405	874	—
440	1,076	1,380
L449	—	1,380
500	—	1,495
580	—	1,495

Not for GP100A

## Motor Mod Express®

### Thermal protection

**G** (Configurable digit 15)

#### Thermostats normally closed, temp code T3C, 1 per phase

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	207	—
182-184	304	—
213-215	304	—
254-256	414	—
284-286	2,160	—
324-326	2,367	—
364-365	3,008	—
404-405	3,873	—
44-449	5,297	1,265
L449	—	1,265
509-5813	—	1,541

### Space heaters

**A46** (Modification code)

#### Space heaters 115V single phase, max temp 160°C

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	690	—
182-184	690	—
213-215	690	—
254-256	690	—
284-286	1,150	—
324-326	1,150	—
364-365	1,150	—
404-405	1,403	—
444-449	1,403	1,403
L449	—	1,403
509-5813	—	1,403

## Motor Mod Express®

### Space heaters (cont.)

A47 (Modification code)

#### Space heaters 230V single phase, max temp 160°C

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	690	—
182-184	690	—
213-215	690	—
254-256	690	—
284-286	1,150	—
324-326	1,150	—
364-365	1,150	—
404-405	1,403	—
444-449	1,403	1,403
L449	—	1,403
440	—	1,403

Not for GP100A. Not for SD661.

A48 (Modification code)

#### Space heaters 115V/230V single phase, max temp 160°C

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	690	—
182-184	690	—
213-215	690	—
254-256	1,265	—
284-286	1,265	—
324-326	1,265	—
364-365	1,403	—
404-405	1,403	—
444-449	1,403	1,403
L449	—	1,403
509-5813	—	1,403

## Motor Mod Express®

### Tropicalization

**C02** (Modification code)

#### Insulation fungus protection - No UL

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	460	—
182-184	460	—
213-215	460	—
254-256	460	—
284-286	460	—
324-326	460	—
364-365	518	—
404-405	575	—
440	644	644
L449	—	644
500	—	690
580	—	690

Not for GP100A

### Weather proofing

**L90** (Modification code)

#### IP66 ingress protection

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	2,348	—
182-184	2,348	—
213-215	2,452	—
254-256	2,861	—
284-286	2,965	—
324-326	3,119	—
364-365	3,579	—
404-405	4,395	—
440	4,802	—

XP Only

## Motor Mod Express®

### Grounding screws

L27 (Modification code)

#### Vertical lifting devices (No drip cover)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	541	—
182-184	658	—
213-215	658	—
254-256	892	—
284-286	957	—
324-326	1,656	—
364-365	1,656	—
404-405	2,088	—
440	2,302	—

Not for GP100A

### Testing

F10 (Modification code)

#### Routine test report

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	690	—
182-184	690	—
213-215	690	—
254-256	690	—
284-286	690	—
324-326	690	—
364-365	690	—
404-405	690	—
440	690	575
L449	—	575
500	—	575
580	—	575

# Motor Mod Express®

## Testing (cont.)

**F12** (Modification code)

### Routine test report (Witnessed)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	3,744	—
182-184	3,744	—
213-215	3,744	—
254-256	3,744	—
284-286	3,779	—
324-326	4,536	—
364-365	5,428	—
404-405	5,909	—
440	6,389	6,325
L449	—	6,325
500	—	7,981
580	—	7,981

**F15** (Modification code)

### Complete test

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	15,523	—
182-184	15,523	—
213-215	15,523	—
254-256	15,523	—
284-286	15,668	—
324-326	18,209	—
364-365	22,264	—
404-405	25,424	—
440	27,623	27,715
L449	—	27,715
500	—	**
580	—	**

## Motor Mod Express®

### Testing (cont.)

F17 (Modification code)

#### Complete test (Witnessed)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	23,283	—
182-184	23,283	—
213-215	23,283	—
254-256	23,283	—
284-286	23,499	—
324-326	27,347	—
364-365	33,394	—
404-405	38,136	—
440	41,435	41,515
L449	—	41,515
500	—	**
580	—	**

F20 (Modification code)

#### Routine test + vibration

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	1,380	—
182-184	1,380	—
213-215	1,380	—
254-256	1,380	—
284-286	1,380	—
324-326	1,380	—
364-365	1,380	—
404-405	1,380	—
440	1,380	1,380
L449	—	1,380
500	—	1,380
580	—	1,380

## Motor Mod Express®

### Testing (cont.)

**F22** (Modification code)

#### Routine test + vibration (Witnessed)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	7,489	—
182-184	7,489	—
213-215	7,489	—
254-256	7,489	—
284-286	7,558	—
324-326	7,558	—
364-365	7,558	—
404-405	7,558	—
440	7,558	7,475
L449	—	7,475
500	—	8,694
580	—	8,694

**F27** (Modification code)

#### Performance load test (Curve report)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	11,643	—
182-184	11,643	—
213-215	11,643	—
254-256	11,643	—
284-286	11,751	—
324-326	13,657	—
364-365	16,698	—
404-405	19,067	—
440	20,716	16,583
L449	—	16,583
500	—	16,583
580	—	16,583

## Motor Mod Express®

### Testing (cont.)

**F36** (Modification code)

#### Routine test report of electrical duplicate design

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	690	—
182-184	690	—
213-215	690	—
254-256	690	—
284-286	690	—
324-326	690	—
364-365	690	—
404-405	690	—
440	690	575
L449	—	575
500	—	575
580	—	575

**F37** (Modification code)

#### Routine test + vibration

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	1,047	—
182-184	1,047	—
213-215	1,047	—
254-256	1,047	—
284-286	1,047	—
324-326	1,047	—
364-365	1,047	—
404-405	1,047	—
440	1,047	1,047
L449	—	1,047
500	—	1,047
580	—	1,047

# Motor Mod Express®

## Terminal block

**K83** (Modification code)

### Terminal block in main box

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	524	—
182-184	524	—
213-215	787	—
254-256	787	—
284-286	1,191	—
324-326	1,191	—
364-365	1,191	—
404-405	—	—
440	—	6,440
L449	—	6,440
500	—	6,440
580	—	6,440

Not for GP100A

## Documentation

**F00** (Modification code)

### Certificate of compliance

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	690	—
182-184	690	—
213-215	690	—
254-256	690	—
284-286	690	—
324-326	690	—
364-365	690	—
404-405	690	—
440	690	690
L449	—	690
500	—	690
580	—	690

## Motor Mod Express®

### Documentation (cont.)

**F01** (Modification code)

#### Certificate of origin - stamped by Chamber of Commerce

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	2,070	—
182-184	2,070	—
213-215	2,070	—
254-256	2,070	—
284-286	2,070	—
324-326	2,070	—
364-365	2,070	—
404-405	2,070	—
440	2,070	2,070
L449	—	2,070
500	—	2,070
580	—	2,070

**F03** (Modification code)

#### Standard performance curves

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	1,718	—
182-184	1,718	—
213-215	1,718	—
254-256	1,718	—
284-286	1,718	—
324-326	1,718	—
364-365	1,718	—
404-405	1,718	—
440	1,718	1,035
L449	—	1,035
500	—	1,035
580	—	1,035

## Motor Mod Express®

### Documentation (cont.)

F04 (Modification code)

#### Acceleration time calculation

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	437	—
182-184	437	—
213-215	437	—
254-256	437	—
284-286	437	—
324-326	437	—
364-365	437	—
404-405	437	—
440	437	437
L449	—	437
500	—	437
580	—	437

F07 (Modification code)

#### Curve package at 100% and 80% voltage (S-T, PERF)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	2,749	—
182-184	2,749	—
213-215	2,749	—
254-256	2,749	—
284-286	2,749	—
324-326	2,749	—
364-365	2,749	—
404-405	2,749	—
440	2,749	1,725
L449	—	1,725
500	—	1,725
580	—	1,725

## Motor Mod Express®

### Documentation (cont.)

**F08** (Modification code)

#### Shaft torsional analysis (Includes shaft drawing)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	1,150	—
182-184	1,150	—
213-215	1,150	—
254-256	1,150	—
284-286	1,150	—
324-326	1,150	—
364-365	1,150	—
404-405	1,150	—
440	1,150	1,150
L449	—	1,150
500	—	1,150
580	—	1,150

**F09** (Modification code)

#### Bearing L10 Calculation

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	1,265	—
182-184	1,265	—
213-215	1,265	—
254-256	1,265	—
284-286	1,265	—
324-326	1,265	—
364-365	1,265	—
404-405	1,265	—
440	1,265	1,265
L449	—	1,265
500	—	1,265
580	—	1,265

## Motor Mod Express®

### Documentation (cont.)

**F40** (Modification code)

#### Stall time curve (Thermal limit curve)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	104	—
182-184	104	—
213-215	104	—
254-256	104	—
284-286	104	—
324-326	104	—
364-365	104	—
404-405	104	—
440	104	713
L449	—	713
500	—	713
580	—	713

**F42** (Modification code)

#### Standard dimensional sheet

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	104	—
182-184	104	—
213-215	104	—
254-256	104	—
284-286	104	—
324-326	104	—
364-365	104	—
404-405	104	—
440	104	345
L449	—	345
500	—	345
580	—	345

## Motor Mod Express®

### Documentation (cont.)

**F43** (Modification code)

#### Non-standard dimension sheet

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	1,203	—
182-184	1,203	—
213-215	1,203	—
254-256	1,203	—
284-286	1,203	—
324-326	1,203	—
364-365	1,203	—
404-405	1,203	—
440	1,203	1,265
L449	—	1,265
500	—	1,265
580	—	1,265

**F44** (Modification code)

#### Conduit box dimension sheet

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	104	—
182-184	104	—
213-215	104	—
254-256	104	—
284-286	104	—
324-326	104	—
364-365	104	—
404-405	104	—
440	104	713
L449	—	713
500	—	713
580	—	713

## Motor Mod Express®

### Documentation (cont.)

F45 (Modification code)

#### Wiring diagram

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	104	—
182-184	104	—
213-215	104	—
254-256	104	—
284-286	104	—
324-326	104	—
364-365	104	—
404-405	104	—
440	104	345
L449	—	345
500	—	345
580	—	345

F46 (Modification code)

#### Instruction and operation manual in English

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	104	—
182-184	104	—
213-215	104	—
254-256	104	—
284-286	104	—
324-326	104	—
364-365	104	—
404-405	104	—
440	104	345
L449	—	345
500	—	345
580	—	345

## Motor Mod Express®

### Documentation (cont.)

**F47** (Modification code)

#### Renewal parts

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	104	—
182-184	104	—
213-215	104	—
254-256	104	—
284-286	104	—
324-326	104	—
364-365	104	—
404-405	104	—
440	104	345
L449	—	345
500	—	345
580	—	345

**F48** (Modification code)

#### Conduit box dimension sheet

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	1,403	—
182-184	1,403	—
213-215	1,403	—
254-256	1,403	—
284-286	1,403	—
324-326	1,403	—
364-365	1,403	—
404-405	1,403	—
440	1,403	1,403
L449	—	1,403
500	—	1,403
580	—	1,403

# Motor Mod Express®

## Documentation (cont.)

**F49** (Modification code)

### Performance data sheets

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	600	—
182-184	600	—
213-215	600	—
254-256	600	—
284-286	600	—
324-326	600	—
364-365	600	—
404-405	600	—
440	600	598
L449	—	598
500	—	598
580	—	598

**F50** (Modification code)

### Customer specific data sheets

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	1,203	—
182-184	1,203	—
213-215	1,203	—
254-256	1,203	—
284-286	1,203	—
324-326	1,203	—
364-365	1,203	—
404-405	1,203	—
440	1,203	1,265
L449	—	1,265
500	—	1,265
580	—	1,265

## Motor Mod Express®

### Documentation (cont.)

**F51** (Modification code)

#### Shaft profile detail (Included materials data)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
440	—	460
L449	—	460
500	—	460
580	—	460

**F60** (Modification code)

#### Visual inspection proof (Max 8X photos)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
440	782	782
L449	—	782
500	—	782
580	—	782

### Frame

**K38** (Modification code)

#### Provisions for dowel holes

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
284-286	1,001	—
324-326	1,111	—
364-365	1,219	—
404-405	1,412	—
440	2,105	2,070
L449	—	2,070
500	—	*
580	—	*

Not for GP100A

## Motor Mod Express®

### Frame (cont.)

**K70** (Modification code)

#### Rotation arrow bi-directional

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	327	—
182-184	327	—
213-215	327	—
254-256	327	—
284-286	327	—
324-326	327	—
364-365	327	—
404-405	327	—
440	327	345
L449	—	345
500	—	345
580	—	345

**K71** (Modification code)

#### Rotation arrow clockwise (From NDE)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	327	—
182-184	327	—
213-215	327	—
254-256	327	—
284-286	327	—
324-326	327	—
364-365	327	—
404-405	327	—
440	327	345
L449	—	345
500	—	345
580	—	345

## Motor Mod Express®

### Frame (cont.)

**K72** (Modification code)

#### Rotation arrow counter clockwise (From NDE)

NEMA frame	List price per motor	
	SD, GP, XP, HP, LP 100 Series	SD, DP 200 Series
143-145	327	—
182-184	327	—
213-215	327	—
254-256	327	—
284-286	327	—
324-326	327	—
364-365	327	—
404-405	327	—
440	327	345
L449	—	345
500	—	345
580	—	345

—  
**Motor Mod Express®**

TOC

INFO

GP

SD

XP

PUMP

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**PARTS**

MODX

## Low Voltage NEMA to Next Generation Crossover index

			Phase Out - NEMA Motor SD100			Next Generation NEMA SD200			
HP	RPM	Voltage	Frame	Type	Part Number	Frame	Type	Part Number	
75	900	460	B444T	SD100	1LE23214ED112AA3	444T	SD200	1LE63214BD112AA1	
			444TS	SD100	1LE23214DD112AA3	444TS	SD200	1LE63214FD112AA1	
			444T	SD100	1LE23214CD112AA3	R444T	SD200	1LE63214SD112AA1	
		575	B444T	SD100	1LE23214ED113AA3	444T	SD200	1LE63214BD113AA1	
			444TS	SD100	1LE23214DD113AA3	444TS	SD200	1LE63214FD113AA1	
			444T	SD100	1LE23214CD113AA3	R444T	SD200	1LE63214SD113AA1	
100	1200	460	B444T	SD100	1LE23214EC112AA3	444T	SD200	1LE63214BC112AA1	
			444TS	SD100	1LE23214DC112AA3	444TS	SD200	1LE63214FC112AA1	
			444T	SD100	1LE23214CC112AA3	R444T	SD200	1LE63214SC112AA1	
		575	B444T	SD100	1LE23214EC113AA3	444T	SD200	1LE63214BC113AA1	
			444TS	SD100	1LE23214DC113AA3	444TS	SD200	1LE63214FC113AA1	
			444T	SD100	1LE23214CC113AA3	R444T	SD200	1LE63214SC113AA1	
	900	460	B445T	SD100	1LE23214ED212AA3	445T	SD200	1LE63214BD212AA1	
			445TS	SD100	1LE23214DD212AA3	445TS	SD200	1LE63214FD212AA1	
			445T	SD100	1LE23214CD212AA3	R445T	SD200	1LE63214SD212AA1	
		575	B445T	SD100	1LE23214ED213AA3	445T	SD200	1LE63214BD213AA1	
			445TS	SD100	1LE23214DD213AA3	445TS	SD200	1LE63214FD213AA1	
			445T	SD100	1LE23214CD213AA3	R445T	SD200	1LE63214SD213AA1	
125	3600	460	444TS	SD100	1LE23214DA112AA3	444TS	SD200	1LE63214FA112AA1	
		575	444TS	SD100	1LE23214DA113AA3	444TS	SD200	1LE63214FA113AA1	
	1800	460	B444T	SD100	1LE23214EB112AA3	444T	SD200	1LE63214BB112AA1	
			444TS	SD100	1LE23214DB112AA3	444TS	SD200	1LE63214FB112AA1	
			444T	SD100	1LE23214CB112AA3	R444T	SD200	1LE63214SB112AA1	
		575	B444T	SD100	1LE23214EB113AA3	444T	SD200	1LE63214BB113AA1	
			444TS	SD100	1LE23214DB113AA3	444TS	SD200	1LE63214FB113AA1	
			444T	SD100	1LE23214CB113AA3	R444T	SD200	1LE63214SB113AA1	
	1200	460	B445T	SD100	1LE23214EC212AA3	445T	SD200	1LE63214BC212AA1	
			445TS	SD100	1LE23214DC212AA3	445TS	SD200	1LE63214FC212AA1	
			445T	SD100	1LE23214CC212AA3	R445T	SD200	1LE63214SC212AA1	
			B445T	SD100	1LE23214EC213AA3	445T	SD200	1LE63214BC213AA1	
		575	445TS	SD100	1LE23214DC213AA3	445TS	SD200	1LE63214FC213AA1	
			445T	SD100	1LE23214CC213AA3	R445T	SD200	1LE63214SC213AA1	
			460	B447T	SD100	1LE23214ED312AA3	447T	SD200	1LE63214GD112AA1
				447TS	SD100	1LE23214DD312AA3	447TS	SD200	1LE63214GD112AA1
	447T	SD100		1LE23214CD312AA3	R447T	SD200	1LE63214TD112AA1		
	900	460	B447T	SD100	1LE23214ED313AA3	447T	SD200	1LE63214GD113AA1	
447TS			SD100	1LE23214DD313AA3	447TS	SD200	1LE63214GD113AA1		
575		447T	SD100	1LE23214CD313AA3	R447T	SD200	1LE63214TD113AA1		
		447T	SD100	1LE23214CD313AA3	R447T	SD200	1LE63214TD113AA1		
150	3600	460	445TS	SD100	1LE23214DA212AA3	445TS	SD200	1LE63214FA212AA1	
		575	445TS	SD100	1LE23214DA213AA3	445TS	SD200	1LE63214FA213AA1	

## Low Voltage NEMA to Next Generation Crossover index continued

HP	RPM	Voltage	Phase Out - NEMA Motor SD100			Next Generation NEMA SD200			
			Frame	Type	Part Number	Frame	Type	Part Number	
150	1800	460	445TS	SD100	1LE23214DB212AA3	445TS	SD200	1LE63214FB212AA1	
			445T	SD100	1LE23214CB212AA3	R445T	SD200	1LE63214SB212AA1	
		575	B445T	SD100	1LE23214EB213AA3	445T	SD200	1LE63214BB213AA1	
			445TS	SD100	1LE23214DB213AA3	445TS	SD200	1LE63214FB213AA1	
			445T	SD100	1LE23214CB213AA3	R445T	SD200	1LE63214SB213AA1	
			B447T	SD100	1LE23214EC312AA3	447T	SD200	1LE63214CC112AA1	
	1200	460	447TS	SD100	1LE23214DC312AA3	447TS	SD200	1LE63214GC112AA1	
			447T	SD100	1LE23214CC312AA3	R447T	SD200	1LE63214TC112AA1	
			B447T	SD100	1LE23214EC313AA3	447T	SD200	1LE63214CC113AA1	
		575	447TS	SD100	1LE23214DC313AA3	447TS	SD200	1LE63214GC113AA1	
			447T	SD100	1LE23214CC313AA3	R447T	SD200	1LE63214TC113AA1	
			B447T	SD100	1LE23214ED412AA3	449T	SD200	1LE63214CD212AA1	
	900	460	447TS	SD100	1LE23214DD412AA3	449TS	SD200	1LE63214GD212AA1	
			447T	SD100	1LE23214CD412AA3	R449T	SD200	1LE63214TD212AA1	
			B447T	SD100	1LE23214ED413AA3	449T	SD200	1LE63214CD213AA1	
		575	447TS	SD100	1LE23214DD413AA3	449TS	SD200	1LE63214GD213AA1	
			447T	SD100	1LE23214CD413AA3	R449T	SD200	1LE63214TD213AA1	
			B447T	SD100	1LE23214ED412AA3	449T	SD200	1LE63214CD212AA1	
	200	3600	460	447TS	SD100	1LE23214DA312AA3	447TS	SD200	1LE63214GA112AA1
			575	447TS	SD100	1LE23214DA313AA3	447TS	SD200	1LE63214GA113AA1
		1800	460	B447T	SD100	1LE23214EB312AA3	447T	SD200	1LE63214CB112AA1
				447TS	SD100	1LE23214DB312AA3	447TS	SD200	1LE63214GB112AA1
				447T	SD100	1LE23214CB312AA3	R447T	SD200	1LE63214TB112AA1
			575	B447T	SD100	1LE23214EB313AA3	447T	SD200	1LE63214CB113AA1
447TS				SD100	1LE23214DB313AA3	447TS	SD200	1LE63214GB113AA1	
447T				SD100	1LE23214CB313AA3	R447T	SD200	1LE63214TB113AA1	
1200		460	B449T	SD100	1LE23214EC512AA3	449T	SD200	1LE63214CC212AA1	
			449TS	SD100	1LE23214DC512AA3	449TS	SD200	1LE63214GC212AA1	
			449T	SD100	1LE23214CC512AA3	R449T	SD200	1LE63214TC212AA1	
		575	B449T	SD100	1LE23214EC513AA3	449T	SD200	1LE63214CC213AA1	
			449TS	SD100	1LE23214DC513AA3	449TS	SD200	1LE63214GC213AA1	
			449T	SD100	1LE23214CC513AA3	R449T	SD200	1LE63214TC213AA1	
900		460	S449SS	SD100	1LE23214GD112AA3	L449TS	SD200	1LE63214HD112AA1	
			S449LS	SD100	1LE23214FD112AA3	RL449T	SD200	1LE63214UD112AA1	
		575	S449SS	SD100	1LE23214GD113AA3	L449TS	SD200	1LE63214HD113AA1	
			S449LS	SD100	1LE23214FD113AA3	RL449T	SD200	1LE63214UD113AA1	
250		3600	460	449TS	SD100	1LE23214DA512AA3	449TS	SD200	1LE63214GA212AA1
			575	449TS	SD100	1LE23214DA513AA3	449TS	SD200	1LE63214GA213AA1
		1800	460	B449T	SD100	1LE23214EB512AA3	449T	SD200	1LE63214CB212AA1
				449TS	SD100	1LE23214DB512AA3	449TS	SD200	1LE63214GB212AA1
				449T	SD100	1LE23214CB512AA3	R449T	SD200	1LE63214TB212AA1
			575	B449T	SD100	1LE23214EB513AA3	449T	SD200	1LE63214CB213AA1
	449TS			SD100	1LE23214DB513AA3	449TS	SD200	1LE63214GB213AA1	
	449T			SD100	1LE23214CB513AA3	R449T	SD200	1LE63214TB213AA1	

## Low Voltage NEMA to Next Generation Crossover index continued

HP	RPM	Voltage	Phase Out - NEMA Motor SD100			Next Generation NEMA SD200			
			Frame	Type	Part Number	Frame	Type	Part Number	
250	1200	460	B449T	SD100	1LE23214EC612AA3	449T	SD200	1LE63214CC312AA1	
			449TS	SD100	1LE23214DC612AA3	449TS	SD200	1LE63214GC312AA1	
			449T	SD100	1LE23214CC612AA3	R449T	SD200	1LE63214TC312AA1	
		575	B449T	SD100	1LE23214EC613AA3	449T	SD200	1LE63214CC313AA1	
			449TS	SD100	1LE23214DC613AA3	449TS	SD200	1LE63214GC313AA1	
			449T	SD100	1LE23214CC613AA3	R449T	SD200	1LE63214TC313AA1	
	900	460	S449LS	SD100	1LE23214FD212AA3	RL449T	SD200	1LE63214UD212AA1	
		575	S449LS	SD100	1LE23214FD213AA3	RL449T	SD200	1LE63214UD213AA1	
	300	3600	460	449TS	SD100	1LE23214DA612AA3	449TS	SD200	1LE63214GA312AA1
575			449TS	SD100	1LE23214DA613AA3	449TS	SD200	1LE63214GA313AA1	
1800		460	B449T	SD100	1LE23214EB612AA3	449T	SD200	1LE63214CB312AA1	
			449TS	SD100	1LE23214DB612AA3	449TS	SD200	1LE63214GB312AA1	
			449T	SD100	1LE23214CB612AA3	R449T	SD200	1LE63214TB312AA1	
		575	B449T	SD100	1LE23214EB613AA3	449T	SD200	1LE63214CB313AA1	
			449TS	SD100	1LE23214DB613AA3	449TS	SD200	1LE63214GB313AA1	
			449T	SD100	1LE23214CB613AA3	R449T	SD200	1LE63214TB313AA1	
1200		460	S449LS	SD100	1LE23214FC112AA3	RL449T	SD200	1LE63214UC112AA1	
		575	S449LS	SD100	1LE23214FC113AA3	RL449T	SD200	1LE63214UC113AA1	
350		3600	460	S449SS	SD100	1LE23214GA112AA3	L449TS	SD200	1LE63214HA112AA1
			575	S449SS	SD100	1LE23214GA113AA3	L449TS	SD200	1LE63214HA113AA1
	1800	460	S449SS	SD100	1LE23214GB212AA3	L449TS	SD200	1LE63214HB112AA1	
		S449LS	SD100	1LE23214FB212AA3	RL449T	SD200	1LE63214UB112AA1		
		S449SS	SD100	1LE23214GB213AA3	L449TS	SD200	1LE63214HB113AA1		
		S449LS	SD100	1LE23214FB213AA3	RL449T	SD200	1LE63214UB113AA1		
400	3600	460	S449SS	SD100	1LE23214GA312AA3	L449TS	SD200	1LE63214HA212AA1	
		575	S449SS	SD100	1LE23214GA313AA3	L449TS	SD200	1LE63214HA213AA1	
	1800	460	S449LS	SD100	1LE23214FB312AA3	R509	SD200	1LE63215RB112AK1	
		575	S449SS	SD100	1LE23214GB313AA3	L449TS	SD200	1LE63214HB213AA1	
			S449LS	SD100	1LE23214FB313AA3	R509	SD200	1LE63215RB113AK1	

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**ABB Motors and Mechanical Inc.**

5711 RS Boreham Jr. Street

Fort Smith, AR 72901

Ph: 1.479.646.4711

**[new.abb.com/motors-generators](http://new.abb.com/motors-generators)**