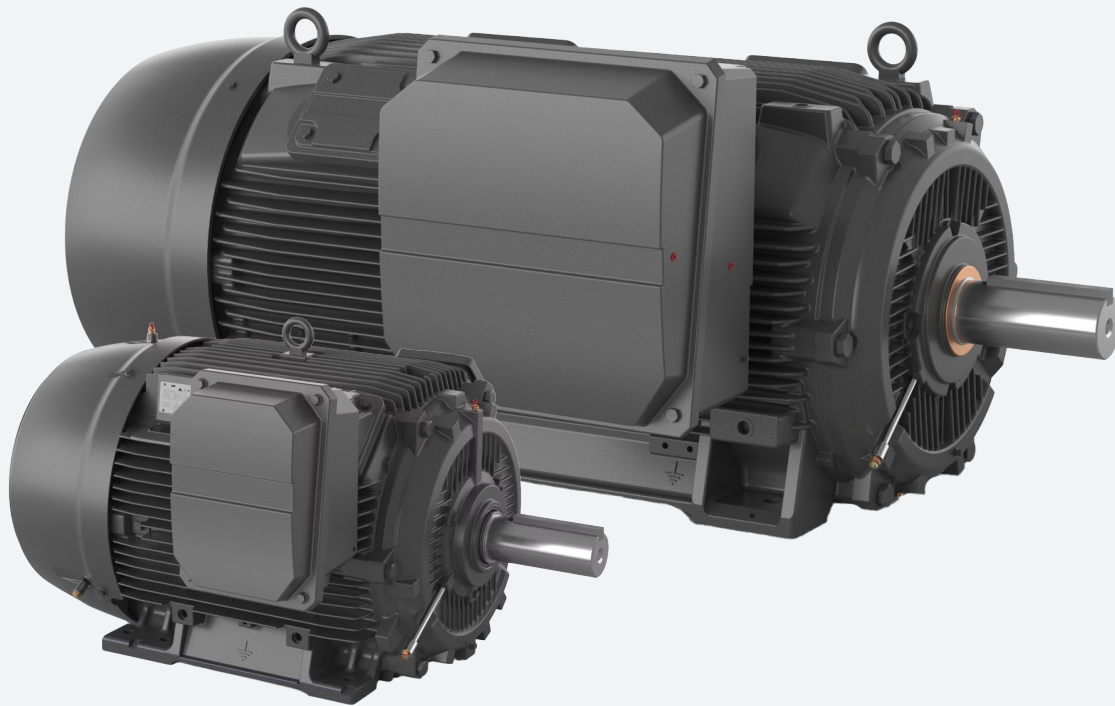




SD100 and SD200

Severe duty cast iron frame motors

ABB NEMA SEVERE DUTY MOTORS

These powerhouse motors are tailor-made for the rigors of chemical processing, mining, foundries, pulp and paper mills, waste management facilities, and petroleum/chemical sectors. Crafted with precision and versatility, they offer a diverse range of customizable features to suit unique requirements, environmental conditions, and installation setups.

When reliability and efficiency matter most, trust ABB to deliver rugged and dependable performance.

Scan to view the
SD100 and SD200
motors video



ABB NEMA MOTORS

SD100 and SD200 line of motors

Rugged construction for longer service life

ABB NEMA SD100 and SD200 motors have a cast iron frame and bearing housings that offer ruggedness, reliability, performance and efficiency. The design provides high structural strength through the use of finite element analysis to strategically place material within each component to resist the effects of stress and vibration.

Mechanical design

These motors are manufactured with decades of motor design experience backed by the latest computer-aided design tools to engineer a line of motors like no other. It is a line of motors that offers the ultimate in rugged construction, cool operation, high performance and application flexibility.

Optimized electrical design

These motors are designed to provide superior operating performance and energy efficiency. Their advanced electromagnetic design meets or exceeds the requirements of the Energy Independence & Security Act of 2007 (NEMA MG1– table 12-12).

Premium materials

High performance and long service life come from quality material. For example, the insulation materials used for the windings result in a corona-free system. This system is designed to withstand voltage spikes caused by fast switching IGBTs from variable speed drives.



SD100 AND SD200 MOTORS

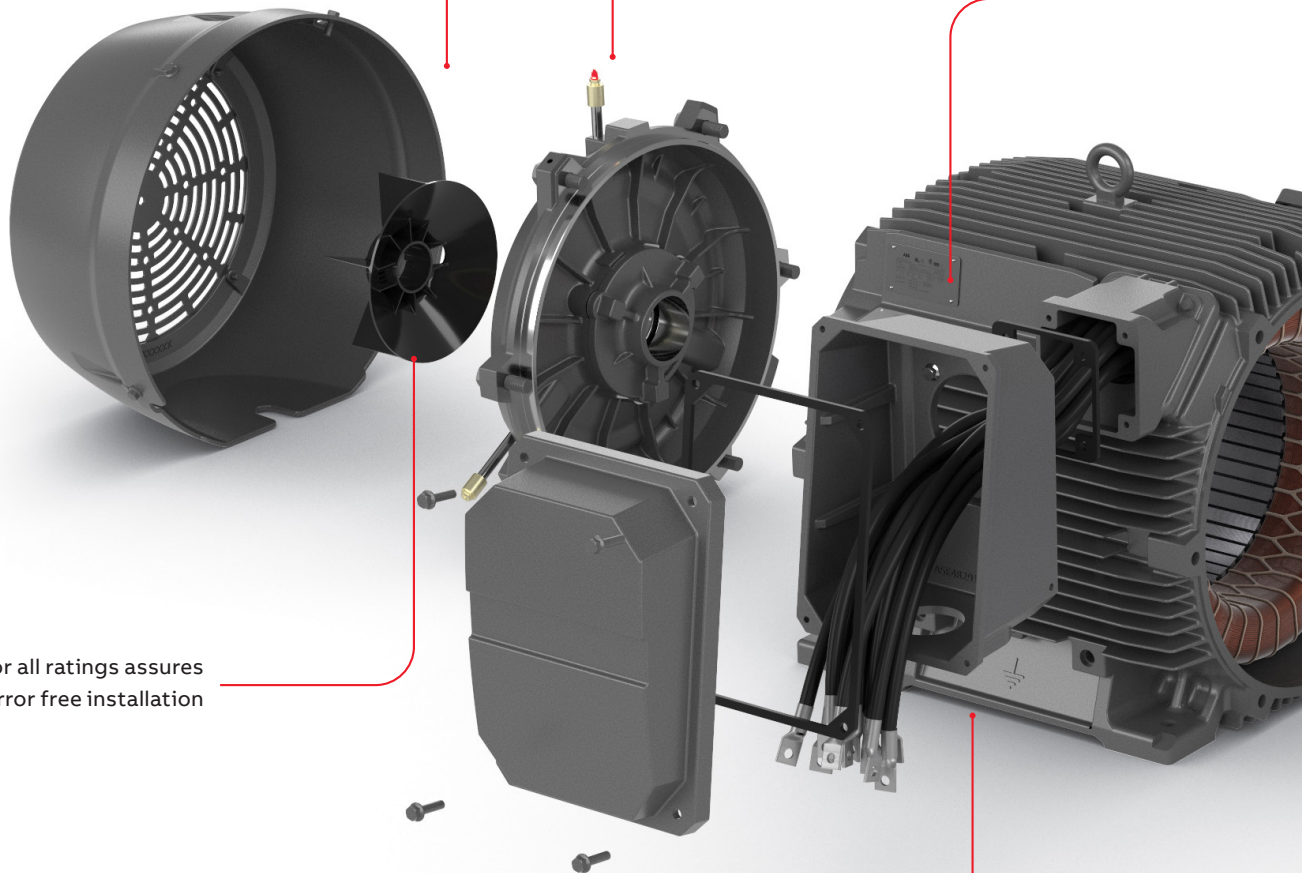
Engineered for demanding environments

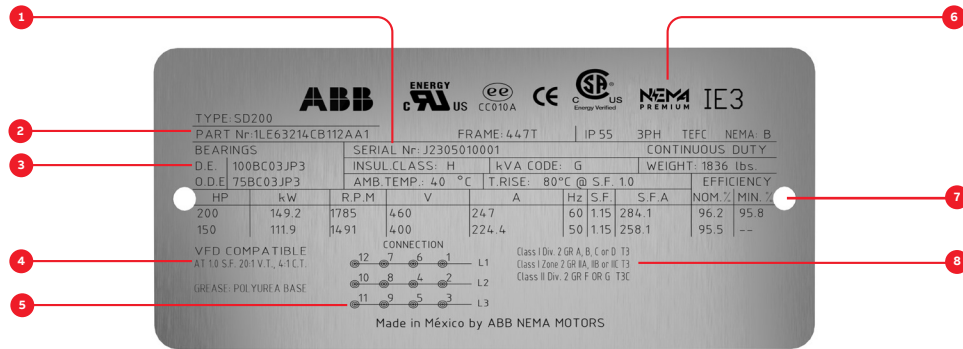
High strength cast iron, end plates, conduit box and fan cover design to maximizes durability in harsh environments

Positive lubrication system to provide proper bearing lubrication in all mounting positions

Bidirectional fans for all ratings assures an easy and error free installation

Diagonally split conduit box with heavy duty neoprene gaskets in every access to ensure proper sealing. Solid aluminium conductive ground in conduit box to provide secure earth bonding





1. Serial number
2. Part number
3. Bearing information
4. VSD/Grease information
5. Wiring diagram
6. Compliance logo
7. Electrical characteristics
8. Area classification/Temp Code

Easy to change, from F1 to F2,
to top mount, flexible conduit box for
motors frame size 440 and above

Inverter ready insulation system and
full Class H insulation for motors
frame size 444T and above

Oversize bearings
for long life

Meets or exceeds NEMA Premium® efficiency

SD100 to SD200
field conversions
Frame size 440 options:



*Note: SD200 model

SEVERE DUTY LOW VOLTAGE NEMA MOTORS

ABB NEMA severe duty motors are designed and built to operate under the harsh environments found in the oil and gas, petrochemical, pulp and paper, grain handling and more. They are suitable for fans, compressors, pumps, conveyors and other critical applications.

These motors are design to meet or exceed NEMA Premium® efficiency (MG1 Table 12.12). A wide selection of options, among them IP56 ingress protection, encoders, brakes, and blowers, provide higher flexibility and reliability to a diversity of operating conditions. The construction of these motors is backed by a 3-year warranty.

Performance Specification



		SD100	SD100 LM ⁽¹⁾	SD200
HP Range	3600 RPM	1-100 Hp	–	125-800 HP
	1800 RPM	1-100 Hp	1-75HP	125-800 HP
	1200 RPM	1-100 Hp	1-50HP	100-600 HP
	900 RPM	1-100 Hp	–	75-250 HP
Frame Size	143T-5013	143T-405T	143T-365T	444T-5013
	230V/460V (Suitable for 208V)	143T-256T	–	–
Standard Voltage (3~ 60 Hz)	230V/460V	Up to 75 Hp	1 – 75 HP	–
	460V	1-100 Hp	–	125-800 HP
	575V	1-100 Hp	–	125-800 HP
	NEMA Premium® (MG1-Table 12.12)	1-100 Hp	1-75 Hp	125-800 HP 100-250 Hp ⁽³⁾
Service Factor	1.15 @ 40°C	143T-405T	143T-365T	444T-5013
Insulation	Non-Hygroscopic		Class F	
Temperature Rise	Class B		@ 1.0SF	
	Class F		@ 1.15SF	
Conduit Box (Oversized)	Oversized		Cast Iron	
Fan Cover			Cast Iron	
Cooling Fan	Bi-Directional		Polypropylene	
Rotor	Die Cast Aluminum	143T-405T	143T-365T	444T-5013
Ingress Protection	NEMA		IP55	
Hazardous Location	Gas	Class I, Division 2 Groups A, B, C or D Temp Code T32		
	Dust ⁽²⁾	Class II, Division 2 Groups F & G Temp Code T3C		
Inverter Duty	Variable Torque 20:1	143T-405T	–	125-800 Hp
	Constant Torque CT 2:1	–	–	L449, 6 pole, 700-800 Hp
	Constant Torque CT 4:1	143T-405T	–	444T-449T, 509-5013: 4 Pole, 350-600 Hp
	Constant Torque CT 10:1	143T-405T	–	–

Notes:

⁽¹⁾ SD100 LM = sealed bearings

⁽²⁾ Standard on frames 280 and above

⁽³⁾ NEMA Premium 4 efficiency with 4-year warranty

FEATURES THAT IMPROVE OVERALL PERFORMANCE

Customer benefit	ABB offering	Featured that matter
Versatility 	Off-the-shelf features that make this motor versatile for quick turnaround and suitable for a variety of applications.	Inverter Duty Turndown ratios on nameplate Can use both 50/60Hz F1/F2 installation flexibility- Top mount 444T and above Available from stock Cast-iron frames for all sizes
Extended motor life 	Performance enhancing features that make ABB the #1 brand in low voltage motors.	Balance according to IEEE Std. 841 Ingress protection (IP55) Epoxy paint for corrosion protection Class F (SD100) and Class H (SD200) insulation with B rise at full load 1.15 service factor for overload protection Zinc plated hardware 3-year warranty (SD200 NEMA Premium 4 motors have 4-year warranty)
Safety 	Safety is our #1 priority with safer installation, connection and operation making our motors the most reliable in the industry.	Grounding lugs in conduit box for ease of connecting leads Swivel hooks for vertical mounting (444T-5013) Suitable for hazardous locations (Division 2 Class I and Class II) Non-sparking fans
Ease of maintenance 	With maintenance in mind, we've designed our SD motors to be easy to install, connect, and conduct maintenance on for extended performance.	Oversized conduit boxes Ring-terminated-Class H insulated leads with permanent marking Standard SAE hardware Zerk fittings Laser etched nameplate Suitable for Smart Sensor (ABB Ability)
Testing and certification 	A trusted brand that provides proof of quality and durability.	400+ hour salt spray test on paint Corona inception testing UR component CSA (Class I, Division 2, NRTL certified for hazardous locations) NEMA Premium® efficient motor (SD200 NEMA Premium 4 motors for 100-250HP available)

SD100

1 thru 100 HP

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
- Conveyors
- Chemical, Oil & Gas
- Paper mills
- Water and waste water

IP55

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
	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
20	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
	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
25	1800	284T	1LE23212CB116AA3	5,174	29.40	445	93.6	230/460	30.0
	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
30	1800	286T	1LE23212CB216AA3	6,020	29.40	469	93.6	230/460	35.0
	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
40	1800	324T	1LE23213AB116AA3	7,996	32.10	665	94.1	230/460	46.0
	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
50	1800	326T	1LE23213AB216AA3	9,820	32.10	701	94.5	230/460	58.0
	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
60	1800	364T	1LE23213CB116AA3	14,086	35.50	932	95.0	230/460	68.0
	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
75	1800	365T	1LE23213CB216AA3	17,856	35.50	1000	95.4	230/460	85.0
	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
100	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
	900	326T	1LE23213AD212AA3	12,974	32.10	599	90.2	460	40.0
30	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
	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
40	1800	324T	1LE23213AB112AA3	7,996	32.10	665	94.1	460	46.0
		324TS	1LE23213BB112AA3	7,996	30.60	665	94.1	460	46.0
	1200	364T	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	68.0
		364TS	1LE23213DB112AA3	14,086	33.40	930	95.0	460	68.0
	1200	404T	1LE23214AC112AA3	18,300	39.40	1100	94.5	460	74.0
	900	405T	1LE23214AD212AA3	25,336	39.40	1201	92.4	460	78.0
75	3600	365TS	1LE23213DA212AA3	17,788	33.40	815	94.1	460	86.0
	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
	1200	405T	1LE23214AC212AA3	21,544	39.40	1186	94.5	460	93.0
	3600	405TS	1LE23214BA212AA3	23,838	36.40	1117	94.1	460	108.0
100	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
	3600	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	1.12
	1200	145T	1LE23211AC313AA3	1,326	14.20	77	82.5	575	1.28
	900	182T	1LE23211CD113AA3	1,800	16.40	105	81.5	575	1.68
1 1/2	3600	143T	1LE23211AA213AA3	1,148	14.20	75	84.0	575	1.6
		145T	1LE23211AA513AA3	1,148	14.20	77	84.0	575	1.6
	1800	145T	1LE23211AB313AA3	1,190	14.20	79	86.5	575	1.68
	1200	182T	1LE23211CC113AA3	1,494	16.40	116	87.5	575	1.92
	900	184T	1LE23211CD313AA3	2,028	16.40	119	82.5	575	2.4
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	2.24
	1200	184T	1LE23211CC313AA3	1,670	16.40	125	88.5	575	2.56
	900	213T	1LE23212AD113AA3	2,350	20.20	143	84.0	575	2.64
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	3.2
	1200	213T	1LE23212AC113AA3	2,034	20.20	167	89.5	575	3.44
	900	215T	1LE23212AD213AA3	3,242	20.20	158	85.5	575	3.84
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	5.2
	1200	215T	1LE23212AC213AA3	2,866	20.20	180	89.5	575	5.36
	900	254T	1LE23212BD113AA3	4,558	25.80	246	86.5	575	6.8
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	7.76
	1200	254T	1LE23212BC113AA3	3,704	25.80	304	91.0	575	8.0
	900	256T	1LE23212BD213AA3	5,260	25.80	280	87.5	575	10.4
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	10.0
	1200	256T	1LE23212BC213AA3	4,656	25.80	277	91.0	575	10.8
	900	284T	1LE23212CD113AA3	7,022	29.40	399	90.2	575	13.6
15	3600	254T	1LE23212BA113AA3	3,706	25.80	286	91.0	575	14.0

 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
575 volt									
15	1800	254T	1LE23212BB113AA3	3,652	25.80	288	92.4	575	15.2
	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	27.2
	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	36.0
	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
	3600	256TC	1LE23212BA214EA3	4,690	25.80	330	91.0	230/460	22.5
20	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	1LE23213AC113EA3	8,690	32.10	638	93.0	575	26.4
30	3600	286TSC	1LE23212DA213EA3	6,560	28.00	429	91.7	575	27.2
	1800	286TC	1LE23212CB213EA3	6,150	29.40	469	93.6	575	28.0
	1200	326TC	1LE23213AC213EA3	10,280	32.10	653	93.0	575	31.2
40	3600	324TSC	1LE23213BA113EA3	8,380	30.60	563	93.6	575	36.0
	1800	324TC	1LE23213AB113EA3	8,270	32.10	664	94.1	575	36.8
	1200	364TC	1LE23213CC113EA3	13,690	35.50	854	94.1	575	39.2
50	3600	326TSC	1LE23213BA213EA3	10,970	30.60	596	93.6	575	44.0
	1800	326TC	1LE23213AB213EA3	10,080	32.10	700	94.5	575	46.4
	1200	365TC	1LE23213CC213EA3	15,750	35.50	882	94.1	575	49.6
60	3600	364TSC	1LE23213DA113EA3	15,080	33.40	739	93.6	575	54.4
	1800	364TC	1LE23213CB113EA3	14,210	35.50	931	95.0	575	54.4
75	3600	365TSC	1LE23213DA213EA3	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
		254TC	1LE23212BB116GA3	4,012	25.80	288	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	1LE23211AB213GA3	1,254	14.20	77	85.5	575	1.12
	900	182TC	1LE23211CD113GA3	2,064	16.40	234	81.5	575	1.68
1 1/2	3600	143TC	1LE23211AA213GA3	1,328	14.20	75	84.0	575	1.6
	1800	145TC	1LE23211AB313GA3	1,370	14.20	79	86.5	575	1.68
	900	184TC	1LE23211CD313GA3	2,292	16.40	119	82.5	575	2.4
2	3600	145TC	1LE23211AA313GA3	1,552	14.20	75	85.5	575	2.0
	1800	145TC	1LE23211AB413GA3	1,490	14.20	79	86.5	575	2.24
	900	213TC	1LE23212AD113GA3	2,614	20.20	315	84.0	575	2.64
3	3600	182TC	1LE23211CA113GA3	1,806	16.40	112	86.5	575	3.04
	1800	182TC	1LE23211CB113GA3	1,716	16.40	123	89.5	575	3.2
	900	215TC	1LE23212AD213GA3	3,506	20.20	158	85.5	575	3.84
5	3600	184TC	1LE23211CA313GA3	2,174	16.40	121	88.5	575	4.8
	1800	184TC	1LE23211CB313GA3	1,960	16.40	125	89.5	575	5.2
	900	254TC	1LE23212BD113GA3	4,918	25.80	246	86.5	575	6.8
7 1/2	3600	213TC	1LE23212AA113GA3	2,506	20.20	160	89.5	575	7.04
	1800	213TC	1LE23212AB113GA3	2,498	20.20	191	91.7	575	7.76
	900	256TC	1LE23212BD213GA3	5,620	25.80	614	87.5	575	10.4
10	3600	215TC	1LE23212AA213GA3	2,962	20.20	180	90.2	575	9.2
	1800	215TC	1LE23212AB213GA3	3,038	20.20	198	91.7	575	10.0
15	3600	254TC	1LE23212BA113GA3	4,066	25.80	632	91.0	575	14.0
	1800	254TC	1LE23212BB113GA3	4,012	25.80	291	92.4	575	15.2
20	3600	256TC	1LE23212BA213GA3	4,948	25.80	711	91.0	575	18.0
	1800	256TC	1LE23212BB213GA3	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	1LE23231AB216AA3	1,110	14.20	77	85.5	230/460	1.4
	1200	145T	1LE23231AC316AA3	1,370	14.20	80	82.5	230/460	1.6
1 1/2	1800	145T	1LE23231AB316AA3	1,230	14.20	79	86.5	230/460	2.1
2	1800	145T	1LE23231AB416AA3	1,350	14.20	79	86.5	230/460	2.8
	1200	184T	1LE23231CC316AA3	1,720	16.40	125	88.5	230/460	3.2
3	1800	182T	1LE23231CB116AA3	1,500	16.40	121	89.5	230/460	4.0
		182TC	1LE23231CB116GA3	1,764	16.40	121	89.5	230/460	4.0
5	1800	184T	1LE23231CB316AA3	1,750	16.40	125	89.5	230/460	6.5
	1200	215T	1LE23232AC216AA3	2,950	20.20	180	89.5	230/460	6.7
7 1/2	1800	213T	1LE23232AB116AA3	2,300	20.20	187	91.7	230/460	9.7
	1200	254T	1LE23232BC116AA3	3,820	25.80	304	91.0	230/460	10.0
10	1800	215T	1LE23232AB216AA3	2,860	20.20	189	91.7	230/460	12.5
		215TC	1LE23232AB216EA3	2,860	20.20	198	91.7	230/460	12.5
	1200	256T	1LE23232BC216AA3	4,800	25.80	286	91.0	230/460	13.5
15	1800	254T	1LE23232BB116AA3	3,760	25.80	288	92.4	230/460	19.0
	1200	284T	1LE23232CC116AA3	6,090	29.40	410	91.7	230/460	21.0
20	1800	256T	1LE23232BB216AA3	4,680	25.80	321	93.0	230/460	25.0
25	1800	284T	1LE23232CB116AA3	5,330	29.40	445	93.6	230/460	30.0
30	1800	286T	1LE23232CB216AA3	6,200	29.40	465	93.6	230/460	35.0
40	1800	324T	1LE23233AB116AA3	8,240	32.10	665	94.1	230/460	46.0
50	1800	326T	1LE23233AB216AA3	10,110	32.10	698	94.5	230/460	58.0
60	1800	364T	1LE23233CB116AA3	14,510	35.50	930	95.0	230/460	68.0
75	1800	365T	1LE23233CB216AA3	18,390	35.50	1000	95.4	230/460	85.0

 Cast iron frame

SD200

100 thru 800 Hp

Features

- Full Class H insulation system, Class B temp rise
- Inverter Duty nameplate
- Flexible centered and top mounting box
- NEMA Premium efficient; NEMA Premium 4 available for 100 - 250 Hp (see next section)
- Bidirectional fan
- Division 2, Class I, Groups A,B,C and D
- Division 2, Class II, Groups F&G

Applications

- Pumps
- Fans
- Compressors
- Conveyors
- Chemical, Oil & Gas
- Paper mills
- Water and waste water

IP55

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	1LE63214BD112AA1	34,060	43.60	1413	93.6	460	105.0
		444TS	1LE63214FD112AA1	34,060	39.81	3085	93.6	460	105.0
		R444T	1LE63214SD112AA1	35,300	43.60	1422	93.6	460	105.0
100	1200	444T	1LE63214BC112AA1	30,040	43.60	1465	95.0	460	128.0
		444TS	1LE63214FC112AA1	30,040	39.81	1406	95.0	460	128.0
		R444T	1LE63214SC112AA1	31,280	43.60	1468	95.0	460	128.0
	900	445T	1LE63214BD212AA1	42,100	43.60	1494	93.6	460	137.0
		445TS	1LE63214FD212AA1	42,100	39.81	3261	93.6	460	137.0
		R445T	1LE63214SD212AA1	43,340	43.60	1505	93.6	460	137.0
		444TS	1LE63214FA112AA1	31,460	39.81	1527	95.4	460	145.0
125	1800	444T	1LE63214BB112AA1	29,320	43.60	1547	95.4	460	154.0
		444TS	1LE63214FB112AA1	29,320	39.81	1514	95.4	460	154.0
		R444T	1LE63214SB112AA1	30,560	43.60	1547	95.4	460	154.0
	1200	445T	1LE63214BC212AA1	36,880	43.60	1578	95.0	460	155.0
		445TS	1LE63214FC212AA1	36,880	39.81	1536	95.0	460	155.0
		R445T	1LE63214SC212AA1	38,120	43.60	1554	95.0	460	155.0
	900	447T	1LE63214CD112AA1	44,660	47.03	1720	94.1	460	165.0
		447TS	1LE63214GD112AA1	44,660	43.28	2821	94.1	460	165.0
		R447T	1LE63214TD112AA1	45,920	47.03	1732	94.1	460	165.0
150	3600	445TS	1LE63214FA212AA1	37,800	39.81	1688	95.8	460	163.5
		445T	1LE63214BB212AA1	34,100	43.60	1739	96.2	460	186.4
	1800	445TS	1LE63214FB212AA1	34,100	39.81	1593	96.2	460	186.4
		R445T	1LE63214SB212AA1	35,320	43.60	1631	96.2	460	186.4
	1200	447T	1LE63214CC112AA1	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
	1200	449T	1LE63214CC212AA1	50,520	52.06	2125	95.8	460	221.3
		449TS	1LE63214GC212AA1	50,520	48.31	2074	95.8	460	221.3
		R449T	1LE63214TC212AA1	51,760	52.06	2138	95.8	460	221.3
	900	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	257.9
		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
	1200	449T	1LE63214CC312AA1	54,960	52.06	2281	95.8	460	292.1
		449TS	1LE63214GC312AA1	54,960	48.31	2233	95.8	460	306.0
		R449T	1LE63214TC312AA1	56,200	52.06	2295	95.8	460	292.1
	900	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	330.0
		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
	1200	L449T	1LE63214DC112AA1	68,800	60.06	2844	95.8	460	364.0
		L449TS	1LE63214HC112AA1	68,800	56.43	2924	95.8	460	364.0
		RL449T	1LE63214UC112AA1	70,020	60.06	2844	95.8	460	364.0
	3600	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
	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
400	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
700	3600	5013S	1LE63215FC712AA1	158,340	76.75	5862	96.2	460	695.0
		5013S	1LE63215FA712AA1	147,760	76.75	6053	95.8	460	750.0
	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
	3600	5013S	1LE63215FA812AA1	155,160	76.75	6106	96.2	460	870.0
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	3600	5013S	1LE63215FA712AK1	160,880	76.75	6053	95.8	460	750.0
	1800	5013	1LE63215BB712AK1	165,100	81.00	6060	96.7	460	830.0
800	3600	5013S	1LE63215FA812AK1	168,280	76.75	6106	96.2	460	870.0
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
	1200	445T	1LE63214BC213AA1	36,880	43.60	1575	95.0	575	124.0
		445TS	1LE63214FC213AA1	36,880	39.81	3289	95.0	575	124.0

 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									
125	1200	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
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
		447T	1LE63214CC113AA1	41,260	47.03	1791	95.8	575	146.0
	1200	447TS	1LE63214GC113AA1	41,260	43.28	3844	95.8	575	146.0
		R447T	1LE63214TC113AA1	42,500	47.03	1807	95.8	575	146.0
		449T	1LE63214CD213AA1	57,040	52.06	4328	94.1	575	164.0
	900	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
		449T	1LE63214CC213AA1	50,520	52.06	2121	95.8	575	194.0
	1200	449TS	1LE63214GC213AA1	50,520	48.31	4565	95.8	575	194.0
		R449T	1LE63214TC213AA1	51,760	52.06	2138	95.8	575	194.0
		L449T	1LE63214DD113AA1	69,820	60.06	5674	94.5	575	208.8
	900	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
		449TS	1LE63214GC313AA1	54,960	48.31	4915	95.8	575	245.0
	1200	R449T	1LE63214TC313AA1	56,200	52.06	2295	95.8	575	245.0
		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
		L449TS	1LE63214HC113AA1	68,800	56.43	6156	95.8	575	291.2
	1200	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	6015	96.2	575	389.6

 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									
125	1200	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
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
		445TS	1LE63214FB213AA1	34,100	39.81	3351	96.2	575	149.6
	1800	R445T	1LE63214SB213AA1	35,320	43.60	1631	96.2	575	149.6
		447T	1LE63214CC113AA1	41,260	47.03	1791	95.8	575	146.0
		447TS	1LE63214GC113AA1	41,260	43.28	3844	95.8	575	146.0
	1200	R447T	1LE63214TC113AA1	42,500	47.03	1807	95.8	575	146.0
		449T	1LE63214CD213AA1	57,040	52.06	4328	94.1	575	164.0
		449TS	1LE63214GD213AA1	57,040	48.31	4308	94.1	575	164.0
	900	R449T	1LE63214TD213AA1	58,280	52.06	4332	94.1	575	164.0
		447TS	1LE63214GA113AA1	47,800	43.28	1843	96.2	575	180.0
		447T	1LE63214CB113AA1	41,460	47.03	1836	96.2	575	197.6
200	3600	447TS	1LE63214GB113AA1	41,460	43.28	1812	96.2	575	197.6
		R447T	1LE63214TB113AA1	42,700	47.03	1860	96.2	575	197.6
		449T	1LE63214CC213AA1	50,520	52.06	2121	95.8	575	194.0
	1800	449TS	1LE63214GC213AA1	50,520	48.31	4565	95.8	575	194.0
		R449T	1LE63214TC213AA1	51,760	52.06	2138	95.8	575	194.0
		L449T	1LE63214DD113AA1	69,820	60.06	5674	94.5	575	208.8
	1200	L449TS	1LE63214HD113AA1	69,820	56.43	5514	94.5	575	208.8
		RL449T	1LE63214UD113AA1	71,060	60.06	2577	94.5	575	208.8
		449TS	1LE63214GA213AA1	60,300	48.31	2083	96.2	575	220.0
	900	449T	1LE63214CB213AA1	52,020	52.06	2149	96.2	575	244.0
		449TS	1LE63214GB213AA1	52,020	48.31	2096	96.2	575	244.0
		449T	1LE63214CC313AA1	54,960	52.06	2290	95.8	575	245.0
250	3600	449TS	1LE63214GC313AA1	54,960	48.31	4915	95.8	575	245.0
		R449T	1LE63214TC313AA1	56,200	52.06	2295	95.8	575	245.0
		L449T	1LE63214DD213AA1	82,500	60.06	6277	95.0	575	258.4
	1800	L449TS	1LE63214HD213AA1	82,500	56.43	6277	95.0	575	258.4
		449TS	1LE63214GA313AA1	82,540	48.31	2193	95.8	575	264.0
		449T	1LE63214CB313AA1	60,680	52.06	2248	96.2	575	292.0
	1200	449TS	1LE63214GB313AA1	60,680	48.31	4909	96.2	575	292.0
		L449T	1LE63214DC113AA1	68,800	60.06	6226	95.8	575	291.2
		L449TS	1LE63214HC113AA1	68,800	56.43	6156	95.8	575	291.2
	900	RL449T	1LE63214UC113AA1	70,020	60.06	6259	95.8	575	291.2
		449TS	1LE63214HA113AA1	84,820	56.43	2680	96.2	575	304.0
		L449T	1LE63214DB113AA1	78,780	60.06	5663	96.2	575	336.8
300	3600	L449TS	1LE63214HB113AA1	78,780	56.43	5663	96.2	575	336.8
		RL449T	1LE63214UB113AA1	80,020	60.06	5791	96.2	575	336.8
		449TS	1LE63214HA213AA1	105,780	56.43	2970	96.2	575	345.6
	1800	L449T	1LE63214DB213AA1	98,280	60.06	5907	96.2	575	389.6
		L449TS	1LE63214HB213AA1	98,280	56.43	5907	96.2	575	389.6
		RL449T	1LE63214UB213AA1	99,500	60.06	6015	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	1LE63214BB112NA1	31,920	43.60	1544	95.4	460	154.0
150	1800	445TC	1LE63214BB212NA1	36,700	43.60	1736	96.2	460	187.0
200	1800	447TC	1LE63214CB112NA1	44,060	47.03	1833	96.2	460	247.0
250	1800	449TC	1LE63214CB212NA1	54,620	52.06	2145	96.2	460	305.0
300	1800	449TC	1LE63214CB312NA1	63,280	52.06	2244	96.2	460	365.0

 Cast iron frame

Red catalog number indicates **NEW** product

SD200 SP4

125 - 250 Hp



Features

- Full Class H insulation system, Class B temp rise
- NEMA Design B
- Inverter Duty nameplate
- Flexible centered and top mounting box
- NEMA Premium 4
- Bidirectional fan
- Division 2, Class I, Groups A,B,C and D
- Division 2, Class II, Groups F&G
- Designed for longevity with a 4-year warranty on NEMA Premium 4 efficient SP4 motors

Applications

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

IP55

SD200 SP4, foot mounted



Hp	RPM	Frame	Catalog Number	List Price (USD)	"C" Dim.	Aprx. Wt (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
125	3600	444TS	1LE64234FA112AA1	35,240	39.81	1458	95.4	460	144.8
	1800	444T	1LE64234BB112AA1	32,840	43.60	1658	96.2	460	151.6
		444TS	1LE64234FB112AA1	32,840	39.81	1658	96.2	460	151.6
		R444T	1LE64234SB112AA1	34,230	43.60	1658	96.2	460	151.6
150	3600	445TS	1LE64234FA212AA1	42,340	39.81	1685	95.4	460	175.7
	1800	445T	1LE64234BB212AA1	38,190	43.60	1654	96.2	460	181.8
		445TS	1LE64234FB212AA1	38,190	39.81	1654	96.2	460	181.8
		R445T	1LE64234SB212AA1	39,560	43.60	1694	96.2	460	181.8
200	3600	447TS	1LE64234GA112AA1	53,540	43.28	1815	95.8	460	224.3
	1800	447T	1LE64234CB112AA1	46,440	47.03	1832	96.5	460	240.9
		447TS	1LE64234GB112AA1	46,440	43.28	1914	96.5	460	240.9
		R447T	1LE64234TB112AA1	47,820	47.03	1920	96.5	460	240.9
250	3600	449TS	1LE64234GA212AA1	67,540	48.31	2057	96.2	460	278.5
	1800	449T	1LE64234CB212AA1	58,260	52.06	2323	96.5	460	294.4
		449TS	1LE64234GB212AA1	58,260	48.31	2323	96.5	460	294.4
		R449T	1LE64234TB212AA1	59,650	52.06	2332	96.5	460	294.4
575 volt									
125	3600	444TS	1LE64234FA113AA1	35,240	39.81	1458	95.4	575	115.8
	1800	444T	1LE64234BB113AA1	32,840	43.60	1658	96.2	575	121.3
		444TS	1LE64234FB113AA1	32,840	39.81	1658	96.2	575	121.3

 Cast iron frame

Red catalog number indicates **NEW** product

SD200 SP4, foot mounted

Hp	RPM	Frame	Catalog Number	List Price (USD)	"C" Dim.	Aprx. Wt (lb)	Full Load Eff.	Voltage	Full Load Amps
575 volt									
125	1800	R444T	1LE64234SB113AA1	34,230	43.60	1658	96.2	575	121.3
150	3600	445TS	1LE64234FA213AA1	42,340	39.81	1685	95.4	575	140.6
	1800	445T	1LE64234BB213AA1	38,190	43.60	1654	96.2	575	145.4
		445TS	1LE64234FB213AA1	38,190	39.81	1654	96.2	575	145.4
		R445T	1LE64234SB213AA1	39,560	43.60	1694	96.2	575	145.4
200	3600	447TS	1LE64234GA113AA1	53,540	43.28	1815	95.8	575	179.4
	1800	447T	1LE64234CB113AA1	46,440	47.03	1914	96.5	575	192.7
		447TS	1LE64234GB113AA1	46,440	43.28	1914	96.5	575	192.7
		R447T	1LE64234TB113AA1	47,820	47.03	1918	96.5	575	192.7
250	3600	449TS	1LE64234GA213AA1	67,540	48.31	2057	96.2	575	222.8
	1800	449T	1LE64234CB213AA1	58,260	52.06	2323	96.5	575	235.5
		449TS	1LE64234GB213AA1	58,260	48.31	2323	96.5	575	235.5

SD200 SP4 C-face foot mounted

Hp	RPM	Frame	Catalog Number	List Price (USD)	"C" Dim.	Aprx. Wt (lb)	Full Load Eff.	Voltage	Full Load Amps
460 volt									
125	1800	444T	1LE64234BB112NA1	35,750	43.60	1658	96.2	460	151.6
150	1800	445T	1LE64234BB212NA1	41,100	43.60	1654	96.2	460	181.8
200	1800	447T	1LE64234CB112NA1	49,350	47.03	1914	96.5	460	240.9
250	1800	449T	1LE64234CB212NA1	63,930	52.06	2323	96.5	460	294.4

 Cast iron frame

Red catalog number indicates **NEW** product

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 - SD100 and SD200 NEMA motors

C-face kits for Severe Duty motors



Catalog number	NEMA frame	List price	Aprx. wt. (lb)
SD100			
J14FE1302PA03SP	140	200	8
J18FE1304PA02SP	180	220	11
J21FE1304A02PSP	210	240	14
J25FE1305A01PSP	250	360	19
J28FE1300A02PSP	280	640	44
J32FE1300A02PSP	320	950	45
J36FE1300PA02SP	360	990	51
J40FE1300PA02SP	400	1,430	88
SD200			
J44FE1301A03PSP	444-445 - 6315 bearing	3,680	132

Red catalog number indicates **NEW** product

■ Cast iron frame

ABB ABILITY® CONDITION MONITORING

For hazardous locations

The ABB Ability Smart Sensor for hazardous areas monitors the health and performance of rotating machines operating in explosive atmospheres.

Sensor features certified for hazardous areas

The ABB Ability Smart Sensor for hazardous areas is designed for harsh environments. Its enclosure withstands high vibration levels and protects the sensor from dust and water ingress and is rated IP66/67. The sensor is certified for ATEX, IEC Ex, and NEC500, making it compliant with the strictest requirements for equipment operating in explosive atmospheres.

Health checks

Based on ABB's extensive know-how, advanced algorithms are used to analyze the data and produce meaningful information such as temperature, vibration, load, number of starts and more. The sensor sends this information directly to a smartphone or gateway and to a dedicated ABB Ability Smart Sensor portal. Data is also tracked over time for trend analysis.



For more information on
ABB Ability smart sensor

ABB, YOUR GLOBAL VALUE PARTNER

Partnering with ABB gives you access to some of the world's most innovative technology and thinking.

Global reach

ABB operations in over 100 countries with its own manufacturing, logistics and sales operations together with a wide network of local channel partners that can quickly respond to your needs. They bring our products and services straight to your front door. The ABB channel partners have in-depth knowledge of local markets and are conversant with the defined ABB products and processes.

Energy efficiency

ABB has what it takes to help every industry and application reach new levels of efficiency and energy savings even under the most demanding conditions. Combining the best available materials with superior technology, our motors are designed to operate reliably no matter how challenging the process or application, and to have life cycle costs.

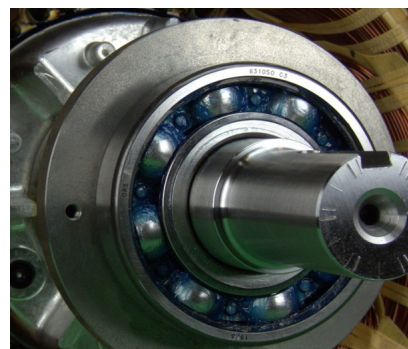
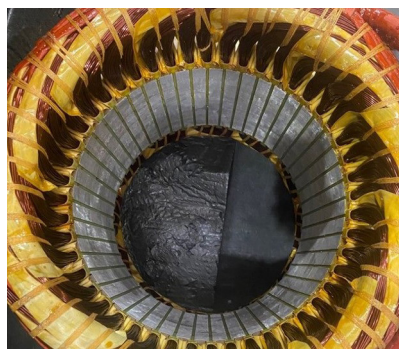




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