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ABB NEMA MOTORS

# **SD100 and SD200**

Severe duty cast iron frame motors



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## **ABB NEMA Motors – Severe Duty.**

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. Choose from standard NEMA Premium® efficiencies or elevate your operations with NEMA Super-Premium® efficiencies.

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

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# ABB NEMA Motors

## SD 100 and SD200 line of motors

### **Rugged construction for longer service life**

ABB NEMA Motors SD100 and SD200 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

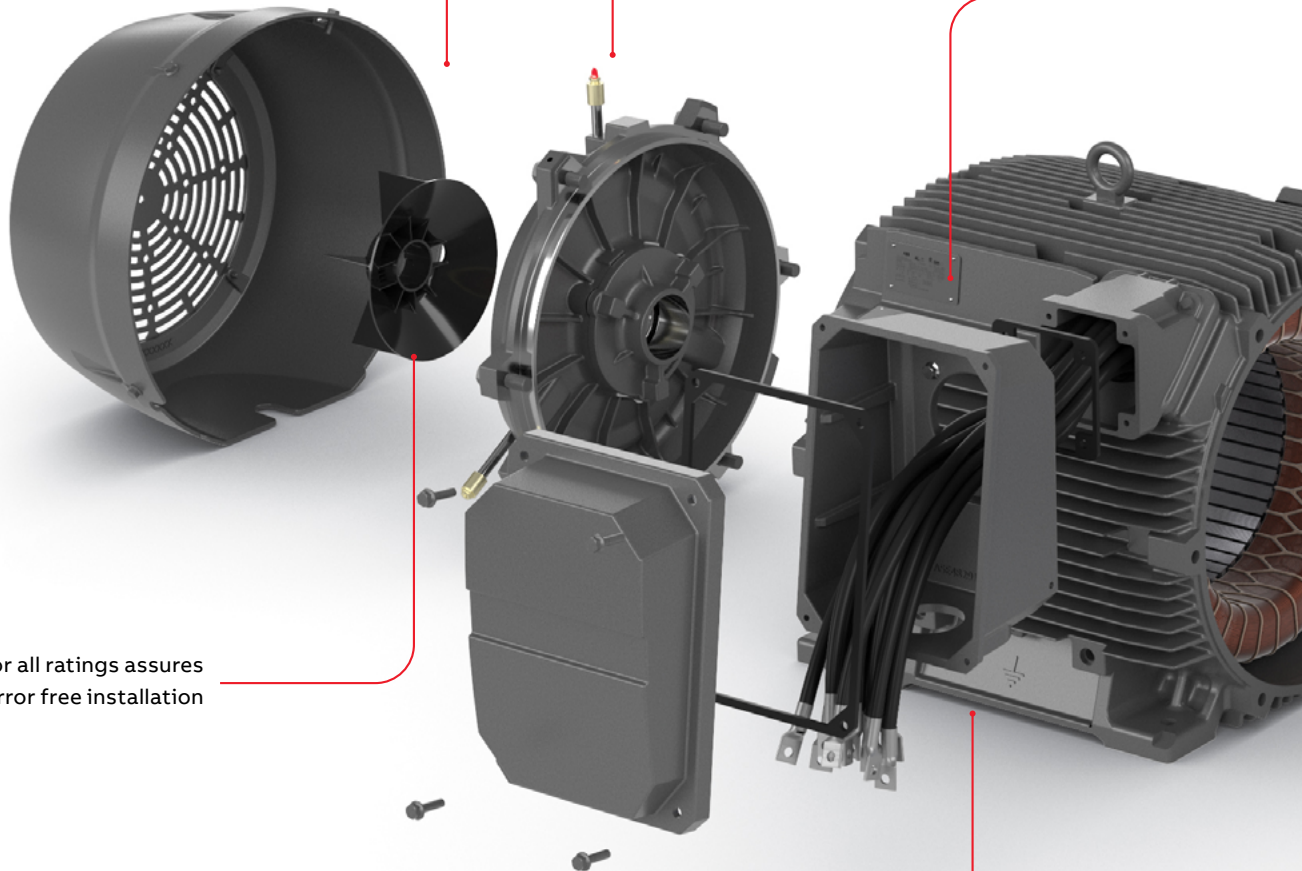
## Engineered for demanding environments

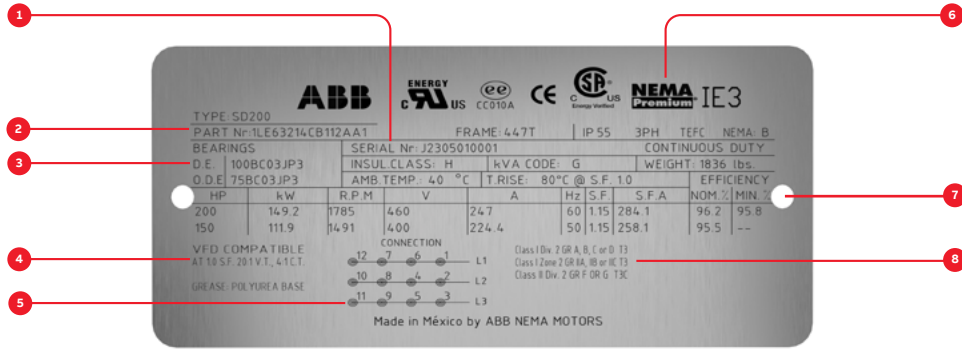
High strength cast iron, end plates, conduit box and fan cover design to maximize durability in harsh environments

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 standards

\*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 <sup>1)</sup>	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
Efficiency	NEMA Premium® (MG1-Table 12.12)	1-100 HP	1-75 Hp	125-800 HP
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		CL 1, Div 2 Gr. A, B, C or D Temp Code T32	
	Dust <sup>2)</sup>		CL 2, Div 2 Gr. 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:

<sup>1)</sup> SD100 LM = sealed bearings

<sup>2)</sup> Standard on frames 360 and above

# Features that improve overall performance

Customer benefit	ABB offering	Featured that matter
<b>Versatility</b> 	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
<b>Extended motor life</b> 	Performance enhancing features that make ABB the #1 brand in low voltage motors.	Balanced to half NEMA vibration 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
<b>Safety</b> 	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
<b>Ease of maintenance</b> 	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)
<b>Testing and certification</b> 	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

## SD100 Severe duty motors, three phase, TEFC

1 thru 100 Hp



### Features:

- Robust cast iron frame construction
- Suitable for inverter use per NEMA MG1 Part 31
- IP55 ingress protection
- Class I, Div 2, Groups A, B, C, D
- Class II, Div 2, Groups F&G (FS 360-400), (FS 140-280 on request)

### Applications:

- Bulk material handling
- Chemical, oil and gas
- Water and wastewater treatment
- Aggregate & cement
- Pulp & paper
- Metals & foundries
- Grain handling

Hp	RPM	NEMA Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff (%)	Voltage	Full Load Amps
<b>Foot mounted, 230/460V</b>									
1	3600	143T	<b>1LE23211AA114AA3</b>	1,148	14.2	62	85.5	230/460	2.8/1.4
	1800	143T	<b>1LE23211AB214AA3</b>	1,074	14.2	76	85.5	230/460	2.8/1.4
	1200	145T	<b>1LE23211AC314AA3</b>	1,326	14.2	77	82.5	230/460	3.2/1.6
	900	182T	<b>1LE23211CD114AA3</b>	1,800	16.4	106	81.5	230/460	4.2/2.1
1.5	3600	143T	<b>1LE23211AA214AA3</b>	1,148	14.2	66	86.5	230/460	4/2
	1800	145T	<b>1LE23211AB314AA3</b>	1,190	14.2	80	86.5	230/460	4.2/2.1
	1200	182T	<b>1LE23211CC114AA3</b>	1,494	16.4	113	87.5	230/460	4.8/2.4
	900	184T	<b>1LE23211CD314AA3</b>	2,028	16.4	119	82.5	230/460	6/3
2	3600	145T	<b>1LE23211AA314AA3</b>	1,372	14.2	66	86.5	230/460	5/2.5
	1800	145T	<b>1LE23211AB414AA3</b>	1,310	14.2	80	86.5	230/460	5.6/2.8
	1200	184T	<b>1LE23211CC314AA3</b>	1,670	16.4	122	88.5	230/460	6.4/3.2
	900	213T	<b>1LE23212AD114AA3</b>	2,350	20.2	143	84.0	230/460	6.6/3.3
3	3600	182T	<b>1LE23211CA114AA3</b>	1,542	16.4	98	89.5	230/460	7.6/3.8
	1800	182T	<b>1LE23211CB114AA3</b>	1,452	16.4	118	89.5	230/460	8/4
	1200	213T	<b>1LE23212AC114AA3</b>	2,034	20.2	164	89.5	230/460	8.6/4.3
	900	215T	<b>1LE23212AD214AA3</b>	3,242	20.2	158	85.5	230/460	9.6/4.8
5	3600	184T	<b>1LE23211CA314AA3</b>	1,910	16.4	104	89.5	230/460	12/6
	1800	184T	<b>1LE23211CB314AA3</b>	1,696	16.4	124	89.5	230/460	13/6.5
	1200	215T	<b>1LE23212AC214AA3</b>	2,866	20.2	176	89.5	230/460	13.4/6.7
	900	254T	<b>1LE23212BD114AA3</b>	4,558	25.8	247	86.5	230/460	17/8.5
7.5	3600	213T	<b>1LE23212AA114AA3</b>	2,242	20.2	171	91.7	230/460	17.6/8.8
	1800	213T	<b>1LE23212AB114AA3</b>	2,234	20.2	191	91.7	230/460	19.4/9.7
	1200	254T	<b>1LE23212BC114AA3</b>	3,704	25.8	292	91.0	230/460	20/10
	900	256T	<b>1LE23212BD214AA3</b>	5,260	25.8	279	87.5	230/460	26/13
10	3600	215T	<b>1LE23212AA214AA3</b>	2,698	20.2	177	91.7	230/460	23/11.5
	1800	215T	<b>1LE23212AB214AA3</b>	2,774	20.2	197	91.7	230/460	25/12.5
	1200	256T	<b>1LE23212BC214AA3</b>	4,656	25.8	288	91.0	230/460	27/13.5
	900	284T	<b>1LE23212CD116AA3</b>	7,022	29.4	375	91.0	230/460	34/17
15	3600	254T	<b>1LE23212BA114AA3</b>	3,706	25.8	259	92.4	230/460	35/17.5
	1800	254T	<b>1LE23212BB114AA3</b>	3,652	25.8	289	92.4	230/460	38/19
	1200	284T	<b>1LE23212CC116AA3</b>	5,908	29.4	400	91.7	230/460	42/21
	900	286T	<b>1LE23212CD216AA3</b>	9,138	29.4	430	91.0	230/460	52/26
20	3600	256T	<b>1LE23212BA214AA3</b>	4,588	25.8	292	93.0	230/460	45/22.5
	1800	256T	<b>1LE23212BB214AA3</b>	4,548	25.8	322	93.0	230/460	50/25
	1200	286T	<b>1LE23212CC216AA3</b>	7,196	29.4	465	91.7	230/460	54/27
	900	324T	<b>1LE23213AD116AA3</b>	11,170	32.1	567	91.0	230/460	62/31



Hp	RPM	NEMA Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff (%)	Voltage	Full Load Amps
25	3600	284TS	1LE23212DA112AA3	5,404	28.0	415	91.7	460	29
	1800	284T	1LE23212DB112AA3	5,174	29.4	445	93.6	460	30
		284TS	1LE23212DB112AA3	5,174	28.0	445	93.6	460	30
		284T	1LE23212CB116AA3	5,174	29.4	445	93.6	230/460	60/30
	1200	324T	1LE23213AC112AA3	8,470	32.1	640	93.0	460	33
	900	326T	1LE23213AD212AA3	12,974	32.1	600	90.2	460	40
30	3600	286TS	1LE23212DA212AA3	6,310	28.0	430	91.7	460	34
	1800	286T	1LE23212DB212AA3	6,020	29.4	465	93.6	460	35
		286TS	1LE23212CB216AA3	6,020	29.4	465	93.6	230/460	70/35
		286TS	1LE23212DB212AA3	6,020	28.0	465	93.6	460	35
	1200	326T	1LE23213AC212AA3	10,034	32.1	675	93.0	460	39
	900	364T	1LE23213CD112AA3	15,352	35.5	800	91.0	460	41
40	3600	324TS	1LE23213BA112AA3	8,326	30.6	575	93.6	460	45
	1800	324T	1LE23213BB112AA3	7,996	32.1	666	94.1	460	46
		324T	1LE23213AB116AA3	7,996	32.1	666	94.1	230/460	92/46
		324TS	1LE23213BB112AA3	7,996	30.6	666	94.1	460	46
	1200	364T	1LE23213CC112AA3	13,606	35.5	863	94.1	460	49
	900	365T	1LE23213CD212AA3	18,566	35.5	875	91.7	460	55
50	3600	326TS	1LE23213BA212AA3	10,768	30.6	610	93.6	460	55
	1800	326T	1LE23213BB212AA3	9,820	32.1	700	94.5	460	58
		326T	1LE23213AB216AA3	9,820	32.1	700	94.5	230/460	116/58
		326TS	1LE23213BB212AA3	9,820	30.6	700	94.5	460	58
	1200	365T	1LE23213CC212AA3	15,620	35.5	900	94.1	460	62
	900	404T	1LE23214AD112AA3	22,182	39.4	1135	92.4	460	67
60	3600	364TS	1LE23213DA112AA3	14,166	33.4	717	93.6	460	68
	1800	364T	1LE23213DB112AA3	14,086	35.5	930	95.0	460	68
		364T	1LE23213CB116AA3	14,086	35.5	930	95.0	230/460	136/68
		364TS	1LE23213DB112AA3	14,086	33.4	930	95.0	460	68
	1200	404T	1LE23214AC112AA3	18,300	39.4	1100	94.5	460	74
	900	405T	1LE23214AD212AA3	25,336	39.4	1300	92.4	460	78
75	3600	365TS	1LE23213DA212AA3	17,788	33.4	815	94.1	460	86
	1800	365T	1LE23213DB212AA3	17,856	35.5	1000	95.4	460	85
		365T	1LE23213CB216AA3	17,856	35.5	1000	95.4	230/460	170/85
		365TS	1LE23213DB212AA3	17,856	33.4	1000	95.4	460	85
	1200	405T	1LE23214AC212AA3	21,544	39.4	1150	94.5	460	93
100	3600	405TS	1LE23214BA212AA3	23,838	36.4	1100	94.1	460	108
	1800	405T	1LE23214AB212AA3	22,064	39.4	1160	95.4	460	113
		405TS	1LE23214BB212AA3	22,064	36.4	1160	95.4	460	113
<b>C-Face, footless, 230/460V</b>									
1	3600	143TC	1LE23211AA114GA3	1,328	14.2	75	82.5	230/460	2.8/1.4
	1800	143TC	1LE23211AB214GA3	1,254	14.2	76	85.5	230/460	2.8/1.4
	1200	145TC	1LE23211AC314GA3	1,506	14.2	77	82.5	230/460	3.2/1.6
	900	182TC	1LE23211CD114GA3	2,064	16.4	106	81.5	230/460	4.2/2.1
1.5	3600	143TC	1LE23211AA214GA3	1,328	14.2	70	84.0	230/460	4/2
	1800	145TC	1LE23211AB314GA3	1,370	14.2	80	86.5	230/460	4.2/2.1
	1200	182TC	1LE23211CC114GA3	1,758	16.4	113	87.5	230/460	4.8/2.4
	900	184TC	1LE23211CD314GA3	2,292	16.4	119	82.5	230/460	6/3
2	3600	145TC	1LE23211AA314GA3	1,552	14.2	72	85.5	230/460	5/2.5
	1800	145TC	1LE23211AB414GA3	1,490	14.2	80	86.5	230/460	5.6/2.8
	1200	184TC	1LE23211CC314GA3	1,934	16.4	122	88.5	230/460	6.4/3.2
	900	213TC	1LE23212AD114GA3	2,614	20.2	143	84.0	230/460	6.6/3.3
3	3600	182TC	1LE23211CA114GA3	1,806	16.4	107	86.5	230/460	7.6/3.8
	1800	182TC	1LE23211CB114GA3	1,716	16.4	118	89.5	230/460	8/4
	1200	213TC	1LE23212AC114GA3	2,298	20.2	164	89.5	230/460	8.6/4.3
	900	215TC	1LE23212AD214GA3	3,506	20.2	158	85.5	230/460	9.6/4.8

Hp	RPM	NEMA Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff (%)	Voltage	Full Load Amps
5	3600	184TC	1LE23211CA314GA3	2,174	16.4	118	88.5	230/460	12/6
	1800	184TC	1LE23211CB314GA3	1,960	16.4	124	89.5	230/460	13/6.5
	1200	215TC	1LE23212AC214GA3	3,130	20.2	176	89.5	230/460	13.4/6.7
	900	254TC	1LE23212BD114GA3	4,918	25.8	247	86.5	230/460	17/8.5
7.5	3600	213TC	1LE23212AA114GA3	2,506	20.2	160	89.5	230/460	17.6/8.8
	1800	213TC	1LE23212AB114GA3	2,498	20.2	191	91.7	230/460	19.4/9.7
	1200	254TC	1LE23212BC114GA3	4,064	25.8	292	91.0	230/460	20/10
	900	256TC	1LE23212BD214GA3	5,620	25.8	279	87.5	230/460	26/13
10	3600	215TC	1LE23212AA214GA3	2,962	20.2	174	90.2	230/460	23/11.5
	1800	215TC	1LE23212AB214GA3	3,038	20.2	197	91.7	230/460	25/12.5
	1200	256TC	1LE23212BC214GA3	5,016	25.8	288	91.0	230/460	27/13.5
15	3600	254TC	1LE23212BA114GA3	4,066	25.8	287	91.0	230/460	35/17.5
	1800	254TC	1LE23212BB114GA3	4,012	25.8	289	92.4	230/460	38/19
20	3600	256TC	1LE23212BA214GA3	4,948	25.8	323	91.0	230/460	45/22.5
	1800	256TC	1LE23212BB214GA3	4,908	25.8	322	93.0	230/460	50/25
<b>Foot mounted, 575V</b>									
1	3600	143T	1LE23211AA113AA3	1,148	14.2	62	85.5	575	1.4
	1800	143T	1LE23211AB213AA3	1,074	14.2	76	85.5	575	1.4
	1200	145T	1LE23211AC313AA3	1,326	14.2	77	82.5	575	1.6
	900	182T	1LE23211CD113AA3	1,800	16.4	106	81.5	575	2.1
1.5	3600	143T	1LE23211AA213AA3	1,148	14.2	66	86.5	575	2
	1800	145T	1LE23211AB313AA3	1,190	14.2	80	86.5	575	2.1
	1200	182T	1LE23211CC113AA3	1,494	16.4	113	87.5	575	2.4
	900	184T	1LE23211CD313AA3	2,028	16.4	119	82.5	575	3
2	3600	145T	1LE23211AA313AA3	1,372	14.2	66	86.5	575	2.5
	1800	145T	1LE23211AB413AA3	1,310	14.2	80	86.5	575	2.8
	1200	184T	1LE23211CC313AA3	1,670	16.4	122	88.5	575	3.2
	900	213T	1LE23212AD113AA3	2,350	20.2	143	84.0	575	3.3
3	3600	182T	1LE23211CA113AA3	1,542	16.4	98	89.5	575	3.8
	1800	182T	1LE23211CB113AA3	1,452	16.4	118	89.5	575	4
	1200	213T	1LE23212AC113AA3	2,034	20.2	164	89.5	575	4.3
	900	215T	1LE23212AD213AA3	3,242	20.2	158	85.5	575	4.8
5	3600	184T	1LE23211CA313AA3	1,910	16.4	104	89.5	575	6
	1800	184T	1LE23211CB313AA3	1,696	16.4	124	89.5	575	6.5
	1200	215T	1LE23212AC213AA3	2,866	20.2	176	89.5	575	6.7
	900	254T	1LE23212BD113AA3	4,558	25.8	247	86.5	575	8.5
7.5	3600	213T	1LE23212AA113AA3	2,242	20.2	171	91.7	575	8.8
	1800	213T	1LE23212AB113AA3	2,234	20.2	191	91.7	575	9.7
	1200	254T	1LE23212BC113AA3	3,704	25.8	292	91.0	575	10
	900	256T	1LE23212BD213AA3	5,260	25.8	279	87.5	575	13
10	3600	215T	1LE23212AA213AA3	2,698	20.2	177	91.7	575	11.5
	1800	215T	1LE23212AB213AA3	2,774	20.2	197	91.7	575	12.5
	1200	256T	1LE23212BC213AA3	4,656	25.8	288	91.0	575	13.5
	900	284T	1LE23212CD113AA3	7,022	29.4	375	91.0	575	17
15	3600	254T	1LE23212BA113AA3	3,706	25.8	259	92.4	575	17.5
	1800	254T	1LE23212BB113AA3	3,652	25.8	289	92.4	575	19
	1200	284T	1LE23212CC113AA3	5,908	29.4	400	91.7	575	21
	900	286T	1LE23212CD213AA3	9,138	29.4	430	91.0	575	26
20	3600	256T	1LE23212BA213AA3	4,588	25.8	292	93.0	575	22.5
	1800	256T	1LE23212BB213AA3	4,548	25.8	322	93.0	575	25
	1200	286T	1LE23212CC213AA3	7,196	29.4	465	91.7	575	27
	900	324T	1LE23213AD113AA3	11,170	32.1	567	91.0	575	31
25	3600	284TS	1LE23212DA113AA3	5,404	28.0	415	91.7	575	29
	1800	284T	1LE23212CB113AA3	5,174	29.4	445	93.6	575	30
		284TS	1LE23212DB113AA3	5,174	28.0	445	93.6	575	30
	1200	324T	1LE23213AC113AA3	8,470	32.1	640	93.0	575	33
900	326T	1LE23213AD213AA3	12,974	32.1	600	90.2	575	40	

Hp	RPM	NEMA Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff (%)	Voltage	Full Load Amps
30	3600	286TS	<b>1LE23212DA213AA3</b>	6,310	28.0	430	91.7	575	34
	1800	286T	<b>1LE23212CB213AA3</b>	6,020	29.4	465	93.6	575	35
		286TS	<b>1LE23212DB213AA3</b>	6,020	28.0	465	93.6	575	35
	1200	326T	<b>1LE23213AC213AA3</b>	10,034	32.1	675	93.0	575	39
	900	364T	<b>1LE23213CD113AA3</b>	15,352	35.5	800	91.0	575	41
40	3600	324TS	<b>1LE23213BA113AA3</b>	8,326	30.6	575	93.6	575	45
	1800	324T	<b>1LE23213AB113AA3</b>	7,996	32.1	666	94.1	575	46
		324TS	<b>1LE23213BB113AA3</b>	7,996	30.6	666	94.1	575	46
	1200	364T	<b>1LE23213CC113AA3</b>	13,606	35.5	863	94.1	575	49
	900	365T	<b>1LE23213CD213AA3</b>	18,566	35.5	875	91.7	575	55
50	3600	326TS	<b>1LE23213BA213AA3</b>	10,768	30.6	610	93.6	575	55
	1800	326T	<b>1LE23213AB213AA3</b>	9,820	32.1	700	94.5	575	58
		326TS	<b>1LE23213BB213AA3</b>	9,820	30.6	700	94.5	575	58
	1200	365T	<b>1LE23213CC213AA3</b>	15,620	35.5	900	94.1	575	62
	900	404T	<b>1LE23214AD113AA3</b>	22,182	39.4	1135	92.4	575	67
60	3600	364TS	<b>1LE23213DA113AA3</b>	14,166	33.4	717	93.6	575	68
	1800	364T	<b>1LE23213CB113AA3</b>	14,086	35.5	930	95.0	575	68
		364TS	<b>1LE23213DB113AA3</b>	14,086	33.4	930	95.0	575	68
	1200	404T	<b>1LE23214AC113AA3</b>	18,300	39.4	1100	94.5	575	74
	900	405T	<b>1LE23214AD213AA3</b>	25,336	39.4	1300	92.4	575	78
75	3600	365TS	<b>1LE23213DA213AA3</b>	17,788	33.4	815	94.1	575	86
	1800	365T	<b>1LE23213CB213AA3</b>	17,856	35.5	1000	95.4	575	85
		365TS	<b>1LE23213DB213AA3</b>	17,856	33.4	1000	95.4	575	85
	1200	405T	<b>1LE23214AC213AA3</b>	21,544	39.4	1150	94.5	575	93
100	3600	405TS	<b>1LE23214BA213AA3</b>	23,838	36.4	1100	94.1	575	108
	1800	405T	<b>1LE23214AB213AA3</b>	22,064	39.4	1160	95.4	575	113
		405TS	<b>1LE23214BB213AA3</b>	22,064	36.4	1160	95.4	575	113

## SD100 LM severe duty motors – low-maintenance – three phase, 230/460 volt, foot mounted

1 thru 75 Hp



### Features:

- Robust cast iron frame construction
- Suitable for inverter use per NEMA MG1 Part 31
- Sealed bearings - no regreasing
- IP55 ingress protection
- Class I, Div 2, Groups A, B, C, D
- Class II, Div 2, Groups F&G (FS 360) (FS 140-280 on request)

### Applications:

- Bulk material handling
- Chemical, oil and gas
- Water and wastewater treatment
- Aggregate & cement
- Pulp & paper
- Metals & foundries
- Grain handling

Hp	RPM	NEMA Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff (%)	Voltage	Full Load Amps
1	1800	143T	1LE23231AB216AA3	1,110	14.2	80	86.5	230/460	2.8/1.4
	1200	145T	1LE23231AC316AA3	1,370	14.2	113	87.5	230/460	3.2/1.6
1.5	1800	145T	1LE23231AB316AA3	1,230	14.2	80	86.5	230/460	4.2/2.1
	1200	182T	1LE23231CC116AA3	1,540	16.4	122	88.5	230/460	4.8/2.4
2	1800	145T	1LE23231AB416AA3	1,350	14.2	118	89.5	230/460	5.6/2.8
	1200	184T	1LE23231CC316AA3	1,720	16.4	164	89.5	230/460	6.4/3.2
3	1800	182T	1LE23231CB116AA3	1,500	16.4	124	89.5	230/460	8/4
	1200	213T	1LE23232AC116AA3	2,100	20.2	176	89.5	230/460	8.6/4.3
5	1800	184T	1LE23231CB316AA3	1,750	16.4	191	91.7	230/460	13/6.5
	1200	215T	1LE23232AC216AA3	2,950	20.2	292	91	230/460	13.4/6.7
7.5	1800	213T	1LE23232AB116AA3	2,300	20.2	197	91.7	230/460	19.4/9.7
	1200	254T	1LE23232BC116AA3	3,820	25.8	288	91	230/460	20/10
10	1800	215T	1LE23232AB216AA3	2,860	20.2	289	92.4	230/460	25/12.5
	1200	256T	1LE23232BC216AA3	4,800	25.8	400	91.7	230/460	27/13.5
15	1800	254T	1LE23232BB116AA3	3,760	25.8	322	93	230/460	38/19
	1200	284T	1LE23232CC116AA3	6,090	29.4	465	91.7	230/460	42/21
20	1800	256T	1LE23232BB216AA3	4,680	25.8	445	93.6	230/460	50/25
	1200	286T	1LE23232CC216AA3	7,410	29.4	640	93	230/460	54/27
25	1800	284T	1LE23232CB116AA3	5,330	29.4	465	93.6	230/460	60/30
		284TS	1LE23232DB116AA3	5,330	28	465	93.6	230/460	60/30
	1200	324T	1LE23233AC116AA3	8,720	32.1	675	93	230/460	66/33
30	1800	286T	1LE23232CB216AA3	6,200	29.4	666	94.1	230/460	70/35
		286TS	1LE23232DB216AA3	6,200	28	666	94.1	230/460	70/35
	1200	326T	1LE23233AC216AA3	10,340	32.1	863	94.1	230/460	78/39
40	1800	324T	1LE23233AB116AA3	8,240	32.1	700	94.5	230/460	92/46
		324TS	1LE23233BB116AA3	8,240	30.6	700	94.5	230/460	92/46
	1200	364T	1LE23233CC116AA3	14,010	35.5	900	94.1	230/460	98/49
50	1800	326T	1LE23233AB216AA3	10,110	32.1	930	95	230/460	116/58
		326TS	1LE23233BB216AA3	10,110	30.6	930	95	230/460	116/58
	1200	365T	1LE23233CC216AA3	16,090	35.5	900	94.1	230/460	124/62
60	1800	364T	1LE23233CB116AA3	14,510	35.5	1000	95.4	230/460	136/68
		364TS	1LE23233DB116AA3	14,510	35.5	1000	95.4	230/460	136/68
75	1800	365T	1LE23233CB216AA3	18,390	35.5	445	93.6	230/460	170/85
		365TS	1LE23233DB216AA3	18,390	35.5	77	82.5	230/460	170/85

## SD200 next generation severe duty motors, three phase, TEFC

75 thru 800 Hp



### Features:

- Robust cast iron frame construction
- Suitable for inverter use per NEMA MG1 Part 31
- Class H insulation
- Flexible, field-modifiable conduit box design
- IP55 ingress protection
- Class I, Div 2, Groups A, B, C, D
- Class II, Div 2, Groups F&G

### Applications:

- Power generation
- Chemical, oil and gas
- Water and wastewater treatment
- Aggregate & cement
- Pulp & paper
- Metals & foundries
- Grain handling

Hp	RPM	NEMA Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff (%)	Voltage	Full Load Amps
<b>Foot mounted, 460 volt, Ball Bearings</b>									
75	900	444T	1LE63214BD112AA1	34,060	43.6	1414	93.6	460	105
		444TS	1LE63214FD112AA1	34,060	39.8	1402	93.6		105
100	1200	444T	1LE63214BC112AA1	30,040	43.6	1465	95	460	128
		444TS	1LE63214FC112AA1	30,040	39.8	1407	95		128
	900	445T	1LE63214BD212AA1	42,100	43.6	1495	93.6		137
		445TS	1LE63214FD212AA1	42,100	39.8	1482	93.6		137
125	3600	444TS	1LE63214FA112AA1	31,460	39.8	1462	95.4	460	145
	1800	444T	1LE63214BB112AA1	29,320	43.6	1543	95.4		154
		444TS	1LE63214FB112AA1	29,320	39.8	1499	95.4		154
	1200	445T	1LE63214BC212AA1	36,880	43.6	1543	95		155
		445TS	1LE63214FC212AA1	36,880	39.8	1495	95		155
	900	447T	1LE63214CD112AA1	44,660	47.0	1720	94.1		165
447TS	1LE63214GD112AA1	44,660	43.3	1282	94.1	165			
150	3600	445TS	1LE63214FA212AA1	37,800	39.8	1557	95.8	460	170
	1800	445T	1LE63214BB212AA1	34,100	43.6	1575	96.2		187
		445TS	1LE63214FB212AA1	34,100	39.8	1576	96.2		187
	1200	447T	1LE63214CC112AA1	41,260	47.0	1795	95.8		182
		447TS	1LE63214GC112AA1	41,260	43.3	1747	95.8		182
	900	449T	1LE63214CD212AA1	57,040	52.1	1967	94.1		205
449TS	1LE63214GD212AA1	57,040	48.3	1958	94.1	205			
200	3600	447TS	1LE63214GA112AA1	47,800	43.3	1819	96.2	460	225
	1800	447T	1LE63214CB112AA1	41,460	47.0	1830	96.2		247
		447TS	1LE63214GB112AA1	41,460	43.3	1797	96.2		247
	1200	449T	1LE63214CC212AA1	50,520	52.1	2125	95.8		243
		449TS	1LE63214GC212AA1	50,520	48.3	2075	95.8		243
	900	L449T	1LE63214DD112AA1	69,820	60.1	2579	94.5		261
L449TS	1LE63214HD112AA1	69,820	56.4	2506	94.5	261			
250	3600	449TS	1LE63214GA212AA1	60,300	48.3	2061	96.2	460	275
	1800	449T	1LE63214CB212AA1	52,020	52.1	2138	96.2		305
		449TS	1LE63214GB212AA1	52,020	48.3	2083	96.2		305
	1200	449T	1LE63214CC312AA1	54,960	52.1	2283	95.8		306
		449TS	1LE63214GC312AA1	54,960	48.3	2234	95.8		306
	900	L449T	1LE63214DD212AA1	82,500	60.1	2853	95		322
L449TS	1LE63214HD212AA1	82,500	56.4	2853	95	322			
300	3600	449TS	1LE63214GA312AA1	82,540	48.3	2183	96.2	460	322
	1800	449T	1LE63214CB312AA1	60,680	52.1	2250	96.2		365
		449TS	1LE63214GB312AA1	60,680	48.3	2183	96.2		365
	1200	L449T	1LE63214DC112AA1	68,800	60.1	2830	95.8		364
		L449TS	1LE63214HC112AA1	68,800	56.4	2798	95.8		364

Hp	RPM	NEMA Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff (%)	Voltage	Full Load Amps
350	3600	L449TS	1LE63214HA112AA1	84,820	56.4	2680	96.2	460	380
	1800	L449T	1LE63214DB112AA1	78,780	60.1	2598	96.2	460	421
		L449TS	1LE63214HB112AA1	78,780	56.4	2574	96.2	460	421
	1200	5010	1LE63215AC212AA1	113,380	73.1	4387	96.2	460	410
		5010S	1LE63215EC212AA1	109,520	81.0	4387	96.2	460	410
400	3600	509S	1LE63215EA112AA1	111,300	81.0	4219	96.5	460	430
	1800	L449TS	1LE63214HA212AA1	105,780	56.4	2797	96.2	460	432
		L449T	1LE63214DB212AA1	98,280	60.1	2670	96.2	460	487
		L449TS	1LE63214HB212AA1	98,280	56.4	2685	96.2	460	487
	1200	509	1LE63215AB112AA1	108,760	73.1	4105	96.5	460	460
		509S	1LE63215EB112AA1	108,760	81.0	4105	96.5	460	460
		5011	1LE63215AC812AA1	119,840	73.1	4529	96.2	460	470
	5011S	1LE63215EC812AA1	119,840	81.0	4529	96.2	460	470	
450	3600	5010S	1LE63215EA212AA1	113,560	81.0	4357	96.5	460	480
	1800	5010	1LE63215AB212AA1	112,240	73.1	4302	96.5	460	515
		5010S	1LE63215EB212AA1	112,240	81.0	4302	96.5	460	515
	1200	L5011	1LE63215BC312AA1	136,980	81.0	5083	96.2	460	525
		L5011S	1LE63215FC312AA1	127,340	81.0	5083	96.2	460	525
500	3600	5011S	1LE63215EA812AA1	115,060	81.0	4504	96.5	460	535
	1800	5011	1LE63215AB812AA1	113,920	73.1	4509	96.7	460	570
		5011S	1LE63215EB812AA1	113,920	81.0	4509	96.7	460	570
	1200	5012	1LE63215BC512AA1	145,200	81.0	5289	96.2	460	580
		5012S	1LE63215FC512AA1	141,340	81.0	5289	96.2	460	580
600	3600	5011S	1LE63215EA012AA1	128,400	81.0	4936	96.7	460	650
	1800	5011	1LE63215AB012AA1	128,840	73.1	4993	96.7	460	686
		5011S	1LE63215EB012AA1	128,840	81.0	4993	96.7	460	686
	1200	5013	1LE63215BC712AA1	158,340	81.0	5391	96.2	460	695
		5013S	1LE63215FC712AA1	158,340	81.0	5391	96.2	460	695
700	3600	5013S	1LE63215FA712AA1	147,760	81.0	5538	95.8	460	750
	1800	5013	1LE63215BB712AA1	151,980	81.0	5592	96.7	460	830
		5013S	1LE63215FB712AA1	151,980	81.0	5592	96.7	460	830
800	3600	5013S	1LE63215FA812AA1	155,160	81.0	5798	96.2	460	870
	1800	5013	1LE63215BB812AA1	158,340	81.0	5863	96.7	460	920
		5013S	1LE63215FB812AA1	158,340	81.0	5863	96.7	460	920
<b>Foot mounted, 460 volt, Roller Bearings</b>									
75	900	R444T	1LE63214SD112AA1	35,300	43.6	1425	93.6	460	105
100	1200	R444T	1LE63214SC112AA1	31,280	43.6	1468	95	460	128
	900	R445T	1LE63214SD212AA1	43,340	43.6	1507	93.6	460	137
125	1800	R444T	1LE63214SB112AA1	30,560	43.6	1521	95.4	460	154
	1200	R445T	1LE63214SC212AA1	38,120	43.6	1555	95	460	155
	900	R447T	1LE63214TD112AA1	45,920	47.0	1733	94.1	460	165
150	1800	R445T	1LE63214SB212AA1	35,320	43.6	1588	96.2	460	187
	1200	R447T	1LE63214TC112AA1	42,500	47.0	1807	95.8	460	182
	900	R449T	1LE63214TD212AA1	58,280	52.1	1969	94.1	460	205
200	1800	R447T	1LE63214TB112AA1	42,700	47.0	1841	96.2	460	247
	1200	R449T	1LE63214TC212AA1	51,760	52.1	2138	95.8	460	243
	900	RL449T	1LE63214UD112AA1	71,060	60.1	2577	94.5	460	261
250	1800	R449T	1LE63214TB212AA1	53,260	52.1	2150	96.2	460	305
	1200	R449T	1LE63214TC312AA1	56,200	52.1	2295	95.8	460	306
	900	RL449T	1LE63214UD212AA1	83,740	60.1	2855	95	460	322
300	1800	R449T	1LE63214TB312AA1	61,900	52.1	2216	96.2	460	365
	1200	RL449T	1LE63214UC112AA1	70,020	60.1	2845	95.8	460	364
350	1800	RL449T	1LE63214UB112AA1	80,020	60.1	2632	96.2	460	421
	1200	R5010	1LE63215RC212AA1	115,880	73.1	4387	96.2	460	410
400	1800	RL449T	1LE63214UB212AA1	99,500	60.1	2734	96.2	460	487
	1200	R509	1LE63215RB112AA1	111,260	73.1	4105	96.5	460	460
		R5011	1LE63215RC812AA1	122,340	73.1	4529	96.2	460	470
450	1800	R5010	1LE63215RB212AA1	114,740	73.1	4302	96.5	460	515
	1200	RL5011	1LE63215SC312AA1	139,480	81.0	5083	96.2	460	525

Hp	RPM	NEMA Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff (%)	Voltage	Full Load Amps
500	1800	R5011	1LE63215RB812AA1	116,420	73.1	4509	96.7	460	570
	1200	R5012	1LE63215SC512AA1	147,700	81.0	5289	96.2	460	580
600	1800	R5011	1LE63215RB012AA1	131,360	73.1	4993	96.7	460	686
	1200	R5013	1LE63215SC712AA1	160,840	81.0	5390	96.2	460	695
700	1800	R5013	1LE63215SB712AA1	154,480	81.0	5592	96.7	460	830
800	1800	R5013	1LE63215SB812AA1	160,840	81.0	5863	96.7	460	920
<b>Foot mounted, 575 volt, Ball Bearing</b>									
75	900	444T	1LE63214BD113AA1	34,060	43.6	1414	93.6	575	84
		444TS	1LE63214FD113AA1	34,060	39.8	1402	93.6	575	84
100	1200	444T	1LE63214BC113AA1	30,040	43.6	1465	95	575	102
		444TS	1LE63214FC113AA1	30,040	39.8	1407	95	575	102
	900	445T	1LE63214BD213AA1	42,100	43.6	1495	93.6	575	109.6
		445TS	1LE63214FD213AA1	42,100	39.8	1482	93.6	575	109.6
125	3600	444TS	1LE63214FA113AA1	31,460	39.8	1462	95.4	575	116
		1800	444T	1LE63214BB113AA1	29,320	43.6	1543	95.4	575
	1200	444TS	1LE63214FB113AA1	29,320	39.8	1499	95.4	575	123.2
		445T	1LE63214BC213AA1	36,880	43.6	1543	95	575	124
	900	445TS	1LE63214FC213AA1	36,880	39.8	1495	95	575	124
		447T	1LE63214CD113AA1	44,660	47.0	1720	94.1	575	132
	447TS	1LE63214GD113AA1	44,660	43.3	1282	94.1	575	132	
		3600	445TS	1LE63214FA213AA1	37,800	39.8	1557	95.8	575
1800	445T		1LE63214BB213AA1	34,100	43.6	1575	96.2	575	149.6
	445TS	1LE63214FB213AA1	34,100	39.8	1576	96.2	575	149.6	
1200		447T	1LE63214CC113AA1	41,260	47.0	1795	95.8	575	146
	447TS	1LE63214GC113AA1	41,260	43.3	1747	95.8	575	146	
900		449T	1LE63214CD213AA1	57,040	52.1	1967	94.1	575	164
	449TS	1LE63214GD213AA1	57,040	48.3	1958	94.1	575	164	
3600		447TS	1LE63214GA113AA1	47,800	43.3	1819	96.2	575	180
	1800	447T	1LE63214CB113AA1	41,460	47.0	1830	96.2	575	197.6
447TS		1LE63214GB113AA1	41,460	43.3	1797	96.2	575	197.6	
	1200	449T	1LE63214CC213AA1	50,520	52.1	2125	95.8	575	194
449TS		1LE63214GC213AA1	50,520	48.3	2075	95.8	575	194	
	900	L449T	1LE63214DD113AA1	69,820	60.1	2579	94.5	575	208.8
L449TS		1LE63214HD113AA1	69,820	56.4	2506	94.5	575	208.8	
	3600	449TS	1LE63214GA213AA1	60,300	48.3	2061	96.2	575	220
1800		449T	1LE63214CB213AA1	52,020	52.1	2138	96.2	575	244
	449TS	1LE63214GB213AA1	52,020	48.3	2083	96.2	575	244	
1200		449T	1LE63214CC313AA1	54,960	52.1	2283	95.8	575	245
	449TS	1LE63214GC313AA1	54,960	48.3	2234	95.8	575	245	
900		L449T	1LE63214DD213AA1	82,500	60.1	2853	95	575	258.4
	L449TS	1LE63214HD213AA1	82,500	56.4	2853	95	575	258.4	
3600		449TS	1LE63214GA313AA1	82,540	48.3	2183	96.2	575	322
	1800	449T	1LE63214CB313AA1	60,680	52.1	2250	96.2	575	292
449TS		1LE63214GB313AA1	60,680	48.3	2183	96.2	575	292	
	1200	L449T	1LE63214DC113AA1	68,800	60.1	2830	95.8	575	291.2
L449TS		1LE63214HC113AA1	68,800	56.4	2798	95.8	575	291.2	
	3600	L449TS	1LE63214HA113AA1	84,820	56.4	2680	96.2	575	304
1800		L449T	1LE63214DB113AA1	78,780	60.1	2598	96.2	575	336.8
	L449TS	1LE63214HB113AA1	78,780	56.4	2574	96.2	575	336.8	
1200		5010	1LE63215AC213AA1	119,940	73.1	4387	96.2	575	328
	5010S	1LE63215EC213AA1	116,080	81.0	4387	96.2	575	328	

Hp	RPM	NEMA Frame	Catalog Number	List Price	"C" Dim.	Aprx. Wt. (lb)	Full Load Eff (%)	Voltage	Full Load Amps
400	3600	L449TS	<b>1LE63214HA213AA1</b>	105,780	56.4	2797	96.2	575	345.6
		509S	<b>1LE63215EA113AA1</b>	117,860	81.0	4219	96.5	575	345
	1800	L449T	<b>1LE63214DB213AA1</b>	98,280	60.1	2670	96.2	575	389.6
		L449TS	<b>1LE63214HB213AA1</b>	98,280	56.4	2685	96.2	575	389.6
		509	<b>1LE63215AB113AA1</b>	115,320	73.1	4105	96.5	575	368
		509S	<b>1LE63215EB113AA1</b>	115,320	81.0	4105	96.5	575	368
	1200	5011	<b>1LE63215AC813AA1</b>	126,400	73.1	4529	96.2	575	376
		5011S	<b>1LE63215EC813AA1</b>	126,400	81.0	4529	96.2	575	376
450	3600	5010S	<b>1LE63215EA213AA1</b>	120,120	81.0	4357	96.5	575	385
	1800	509	<b>1LE63215AB213AA1</b>	118,800	73.1	4302	96.5	575	412
		509S	<b>1LE63215EB213AA1</b>	118,800	81.0	4302	96.5	575	412
	1200	L5011	<b>1LE63215BC313AA1</b>	143,540	81.0	5083	96.2	575	420
		L5011S	<b>1LE63215FC313AA1</b>	133,900	81.0	5083	96.2	575	420
	500	3600	5011S	<b>1LE63215EA813AA1</b>	121,620	81.0	4504	96.5	575
1800	5011	<b>1LE63215AB813AA1</b>	120,480	73.1	4509	96.7	575	456	
	5011S	<b>1LE63215EB813AA1</b>	120,480	81.0	4509	96.7	575	456	
	1200	5012	<b>1LE63215BC513AA1</b>	151,760	81.0	5289	96.2	575	464
		5012S	<b>1LE63215FC513AA1</b>	147,900	81.0	5289	96.2	575	464
600	3600	5011S	<b>1LE63215EA013AA1</b>	134,960	81.0	4936	96.7	575	520
	1800	5011	<b>1LE63215AB013AA1</b>	135,400	73.1	4993	96.7	575	548.8
		5011S	<b>1LE63215EB013AA1</b>	135,400	81.0	4993	96.7	575	548.8
	1200	5013	<b>1LE63215BC713AA1</b>	164,900	81.0	5391	96.2	575	556
		5013S	<b>1LE63215FC713AA1</b>	164,900	81.0	5391	96.2	575	556
	700	3600	5013S	<b>1LE63215FA713AA1</b>	154,320	81.0	5538	95.8	575
1800	5013	<b>1LE63215BB713AA1</b>	158,540	81.0	5592	96.7	575	664	
	5013S	<b>1LE63215FB713AA1</b>	158,540	81.0	5592	96.7	575	664	
	800	3600	5013S	<b>1LE63215FA813AA1</b>	161,720	81.0	5798	96.2	575
<b>Foot mounted, 575 volt, Roller Bearing</b>									
75	900	R444T	<b>1LE63214SD113AA1</b>	35,300	43.6	1425	93.6	575	84
100	1200	R444T	<b>1LE63214SC113AA1</b>	31,280	43.6	1468	95	575	102
	900	R445T	<b>1LE63214SD213AA1</b>	43,340	43.6	1507	93.6	575	109.6
125	1800	R444T	<b>1LE63214SB113AA1</b>	30,560	43.6	1521	95	575	123.2
	1200	R445T	<b>1LE63214SC213AA1</b>	38,120	43.6	1555	95	575	124
	900	R447T	<b>1LE63214TD113AA1</b>	45,920	47.0	1733	94.1	575	132
150	1800	R445T	<b>1LE63214SB213AA1</b>	35,320	43.6	1588	95	575	149.6
	1200	R447T	<b>1LE63214TC113AA1</b>	42,500	47.0	1807	95.8	575	146
	900	R449T	<b>1LE63214TD213AA1</b>	58,280	52.1	1969	94.1	575	164
200	1800	R447T	<b>1LE63214TB113AA1</b>	42,700	47.0	1841	95.8	575	197.6
	1200	R449T	<b>1LE63214TC213AA1</b>	51,760	52.1	2138	95.8	575	194
	900	RL449T	<b>1LE63214UD113AA1</b>	71,060	60.1	2577	94.5	575	208.8
250	1800	R449T	<b>1LE63214TB213AA1</b>	53,260	52.1	2150	95.8	575	244
	1200	R449T	<b>1LE63214TC313AA1</b>	56,200	52.1	2295	95.8	575	245
	900	RL449T	<b>1LE63214UD213AA1</b>	83,740	60.1	2855	95	575	258.4
300	1800	R449T	<b>1LE63214TB313AA1</b>	61,900	52.1	2216	95.8	575	292
	1200	RL449T	<b>1LE63214UC113AA1</b>	70,020	60.1	2845	95.8	575	291.2
350	1800	RL449T	<b>1LE63214UB113AA1</b>	80,020	60.1	2632	95.8	575	336.8
	1200	R5010	<b>1LE63215RC213AA1</b>	122,440	73.1	4387	96.2	575	328
400	1800	RL449T	<b>1LE63214UB213AA1</b>	99,500	60.1	2734	96.2	575	389.6
		R509	<b>1LE63215RB113AA1</b>	117,820	73.1	4105	96.2	575	368
	1200	R5011	<b>1LE63215RC813AA1</b>	128,900	73.1	4529	96.2	575	376
450	1800	R509	<b>1LE63215RB213AA1</b>	121,300	73.1	4302	96.2	575	412
	1200	RL5011	<b>1LE63215SC313AA1</b>	146,040	81.0	5083	96.2	575	420
500	1800	R5011	<b>1LE63215RB813AA1</b>	122,980	73.1	4509	96.2	575	456
	1200	R5012	<b>1LE63215SC513AA1</b>	154,260	81.0	5289	96.2	575	464
600	1800	R5011	<b>1LE63215RB013AA1</b>	137,920	73.1	4993	96.2	575	548.8
	1200	R5013	<b>1LE63215SC713AA1</b>	167,400	81.0	5390	96.2	575	556
700	1800	R5013	<b>1LE63215SB713AA1</b>	161,040	81.0	5592	95	575	664



# 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, IECEx, 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

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# ABB, your global value partner

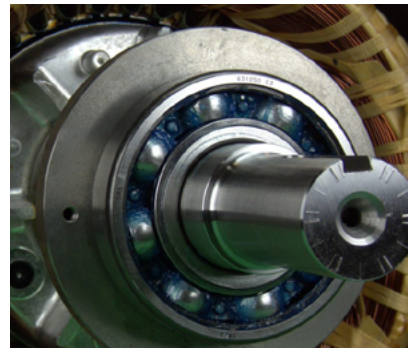
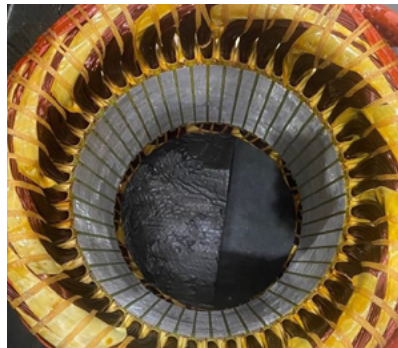
Partnering with ABB gives you access to some of the world's most innovative technology and thinking.

## 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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