

Severe Duty - TEFC Motors

SD10 / RGZESD

The SD10 and RGZESD severe duty TEFC motors meet or exceed EPC Efficiency standards. They are ideal for both indoor and outdoor applications and in severe operating atmospheres. These industry workhorses are ideal for use in chemical processing, mining, foundry, pulp and paper, waste management and petro/chemical applications.

Stator/Windings – Manufactured with premium electrical-grade steel laminations and copper electrical magnet wire to lower losses for improved efficiencies. A unique stator core design lowers flux density while increasing cooling capacity. Large conductor cross-section reduces resistance and lowers stator losses.

Performance Specifications

- 1 to 20 HP – SD10
- 25 to 400 HP – RGZESD
- 1.15 service factor, 40°C ambient
- 3600, 1800, 1200, 900 or 720 RPM
- 3-phase, 60 Hz; 208-230/460 and 575 volt operation – SD10
- 3-phase, 60 Hz; 230/460 volt operation under 25 HP, 460 volt 25 HP and above, 200 & 575 volt available - RGZESD
- Meets or exceeds EPC efficiency standards
- Class F insulation, Class B temperature rise @ 1.0SF
- NEMA design B, continuous duty
- 143T to 256T frame – SD10
- 284T to S449 frame – RGZESD

Features for Long Life

Frame & End Shields – Cast iron construction for exceptional structural integrity & corrosion resistance, equipped with integrally cast feet and condensation T-drains. Lifting eyebolts are included with motors > 75 lbs.

Rotor – A unique offset rotor bar design provides improved efficiency. Large cross section bars and end rings reduce resistance for lower rotor losses. Each die cast aluminum rotor assembly is dynamically balanced for extended bearing life, and includes a high-strength carbon steel (C1045) shaft for maximum rotor performance.

Insulation – Proprietary inverter-rated Class F non-hygroscopic insulation system with NEMA Class B temperature rise @ 1.0SF provides an extra margin of thermal life. Varnish system application ensures maximum wire penetration to provide protection from moisture, corrosion and electrical shock. This insulation system meets or exceeds NEMA MG1-2006, Part 31 making all motors suitable for operation with variable frequency drives.

Cooling – A bi-directional, non-sparking fan is locked and keyed to the shaft. Its low-inertia design reduces windage losses, improves air flow, reduces noise and provides dependable cooling. Cast iron fan covers are provided on all frame sizes.

Bearings – Regreasable, oversized double shielded (SD10) / single shielded (RGZESD) with cast iron inner caps. Alemite grease fittings on the inlets and pipe plugs on the relief ports for ease of routine maintenance. SD10 motors are equipped with drive end and opposite drive end shaft V-ring slingers for added bearing protection. Provisions for Inpro/Seal® bearing isolators are standard on both ends. RGZESD motors are equipped with a drive end shaft V-ring slinger.

Lubrication – A specially formulated, high temperature tested, polyurea based grease is used to provide more than four times the lubrication life of other polyurea greases.



Oversized Conduit Box – Cast iron construction that is larger than industry standards, diagonally-split, neoprene gasketed and rotatable in 90° increments for quick and easy connections. Includes a ground lug and non-wicking, clearly and permanently marked leads.

Corrosion Resistance – Cast iron construction, polycarbonate fan, zinc-plated hardware, epoxy enamel paint and stainless steel nameplate resist rust and corrosion.

Modifiable – Siemens motors are available with a wide variety of modifications to meet your specific motor needs.



Specifications table begins on the next page →

Severe Duty - TEFC Motors

SD10 / RGZESD

Stock/Modifiable

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
Horizontal, Foot Mounted												
1	3600	143T	208-230/460	SD10	Ball	1LE23011AA114AA3	350	SD1	1.4	80	65	✓
1	3600	143T	575	SD10	Ball	1LE23011AA113AA3	350	SD1	1.12	80	65	✓
1	1800	143T	208-230/460	SD10	Ball	1LE23011AB214AA3	336	SD1	1.5	82.5	67	✓
1	1800	143T	575	SD10	Ball	1LE23011AB213AA3	336	SD1	1.2	82.5	67	✓
1	1200	145T	208-230/460	SD10	Ball	1LE23011AC314AA3	418	SD1	1.6	80	67	✓
1	1200	145T	575	SD10	Ball	1LE23011AC313AA3	418	SD1	1.28	80	67	✓
1	900	182T	208-230/460	SD10	Ball	1LE23011CD114AA3	655	SD1	2.1	81.5	106	✓
1	900	182T	575	SD10	Ball	1LE23011CD113AA3	655	SD1	1.64	81.5	106	✓
1.5	3600	143T	208-230/460	SD10	Ball	1LE23011AA214AA3	355	SD1	2	82.5	66	✓
1.5	3600	143T	575	SD10	Ball	1LE23011AA213AA3	355	SD1	1.6	82.5	66	✓
1.5	1800	145T	208-230/460	SD10	Ball	1LE23011AB314AA3	373	SD1	2.2	84	71	✓
1.5	1800	145T	575	SD10	Ball	1LE23011AB313AA3	373	SD1	1.76	84	71	✓
1.5	1200	182T	208-230/460	SD10	Ball	1LE23011CC114AA3	464	SD1	2.4	85.5	103	✓
1.5	1200	182T	575	SD10	Ball	1LE23011CC113AA3	464	SD1	1.92	85.5	103	✓
1.5	900	184T	208-230/460	SD10	Ball	1LE23011CD314AA3	737	SD1	3	82.5	119	✓
1.5	900	184T	575	SD10	Ball	1LE23011CD313AA3	737	SD1	2.4	82.5	119	✓
2	3600	145T	208-230/460	SD10	Ball	1LE23011AA314AA3	422	SD1	2.6	84	68	✓
2	3600	145T	575	SD10	Ball	1LE23011AA313AA3	422	SD1	2.08	84	68	✓
2	1800	145T	208-230/460	SD10	Ball	1LE23011AB414AA3	408	SD1	3	84	73	✓
2	1800	145T	575	SD10	Ball	1LE23011AB413AA3	408	SD1	2.4	84	73	✓
2	1200	184T	208-230/460	SD10	Ball	1LE23011CC314AA3	517	SD1	3.1	86.5	114	✓
2	1200	184T	575	SD10	Ball	1LE23011CC313AA3	517	SD1	2.48	86.5	114	✓
2	900	213T	208-230/460	SD10	Ball	1LE23012AD114AA3	856	SD1	3.3	84	143	✓
2	900	213T	575	SD10	Ball	1LE23012AD113AA3	856	SD1	2.64	84	143	✓
3	3600	182T	208-230/460	SD10	Ball	1LE23011CA114AA3	474	SD1	3.7	85.5	105	✓
3	3600	182T	575	SD10	Ball	1LE23011CA113AA3	474	SD1	2.96	85.5	105	✓
3	1800	182T	208-230/460	SD10	Ball	1LE23011CB114AA3	457	SD1	4	87.5	108	✓
3	1800	182T	575	SD10	Ball	1LE23011CB113AA3	457	SD1	3.2	87.5	108	✓
3	1200	213T	208-230/460	SD10	Ball	1LE23012AC114AA3	640	SD1	4	87.5	145	✓
3	1200	213T	575	SD10	Ball	1LE23012AC113AA3	640	SD1	3.36	87.5	145	✓
3	900	215T	208-230/460	SD10	Ball	1LE23012AD214AA3	1180	SD1	4.8	85.5	158	✓
3	900	215T	575	SD10	Ball	1LE23012AD213AA3	1180	SD1	3.84	85.5	158	✓
5	3600	184T	208-230/460	SD10	Ball	1LE23011CA314AA3	595	SD1	6.2	87.5	111	✓
5	3600	184T	575	SD10	Ball	1LE23011CA313AA3	595	SD1	4.96	87.5	111	✓
5	1800	184T	208-230/460	SD10	Ball	1LE23011CB314AA3	531	SD1	6.7	87.5	114	✓
5	1800	184T	575	SD10	Ball	1LE23011CB313AA3	531	SD1	5.36	87.5	114	✓
5	1200	215T	208-230/460	SD10	Ball	1LE23012AC214AA3	917	SD1	6.8	87.5	160	✓
5	1200	215T	575	SD10	Ball	1LE23012AC213AA3	917	SD1	5.44	87.5	160	✓
5	900	254T	208-230/460	SD10	Ball	1LE23012BD114AA3	1660	SD1	8.8	86.5	247	✓
5	900	254T	575	SD10	Ball	1LE23012BD113AA3	1660	SD1	7.04	86.5	247	✓
7.5	3600	213T	208-230/460	SD10	Ball	1LE23012AA114AA3	736	SD1	9	88.5	156	✓
7.5	3600	213T	575	SD10	Ball	1LE23012AA113AA3	736	SD1	7.2	88.5	156	✓
7.5	1800	213T	208-230/460	SD10	Ball	1LE23012AB114AA3	726	SD1	9.5	89.5	163	✓
7.5	1800	213T	575	SD10	Ball	1LE23012AB113AA3	726	SD1	7.6	89.5	163	✓
7.5	1200	254T	208-230/460	SD10	Ball	1LE23012BC114AA3	1222	SD1	10.5	89.5	253	✓
7.5	1200	254T	575	SD10	Ball	1LE23012BC113AA3	1222	SD1	8.4	89.5	253	✓
7.5	900	256T	208-230/460	SD10	Ball	1LE23012BD214AA3	1879	SD1	13	87.5	279	✓
7.5	900	256T	575	SD10	Ball	1LE23012BD213AA3	1879	SD1	10.4	87.5	279	✓

*FL Amps are at 460V or 575V depending on the voltage rating of the motor.

Introduction

HIGH EFFICIENT General Purpose

HIGH EFFICIENT Severe Duty

HIGH EFFICIENT Multi Speed

HIGH EFFICIENT Hazardous Duty

HIGH EFFICIENT Definite Purpose

HIGH EFFICIENT P-Base Vertical

NEMA PREMIUM General Purpose

NEMA PREMIUM Severe Duty

Severe Duty - TEFC Motors

SD10 / RGZESD

Stock/Modifiable

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
Horizontal, Foot Mounted - continued												
10	3600	215T	208-230/460	SD10	Ball	1LE23012AA214AA3	863	SD1	11.5	89.5	170	✓
10	3600	215T	575	SD10	Ball	1LE23012AA213AA3	863	SD1	9.2	89.5	170	✓
10	1800	215T	208-230/460	SD10	Ball	1LE23012AB214AA3	877	SD1	12.5	89.5	170	✓
10	1800	215T	575	SD10	Ball	1LE23012AB213AA3	877	SD1	10	89.5	170	✓
10	1200	256T	208-230/460	SD10	Ball	1LE23012BC214AA3	1476	SD1	13.5	89.5	265	✓
10	1200	256T	575	SD10	Ball	1LE23012BC213AA3	1476	SD1	10.8	89.5	265	✓
10	900	284T	230/460	RGZESD	Ball	1LE29512CD116AA3	2557	SA-7XSD	15	91	375	✓
10	900	284T	575	RGZESD	Ball	1LE29512CD113AA3	2557	SA-7XSD	12	91	375	✓
15	3600	254T	208-230/460	SD10	Ball	1LE23012BA114AA3	1185	SD1	18	90.2	257	✓
15	3600	254T	575	SD10	Ball	1LE23012BA113AA3	1185	SD1	14.4	90.2	257	✓
15	1800	254T	208-230/460	SD10	Ball	1LE23012BB114AA3	1162	SD1	19	91	256	✓
15	1800	254T	575	SD10	Ball	1LE23012BB113AA3	1162	SD1	15.2	91	256	✓
15	1200	284T	230/460	RGZESD	Ball	1LE29512CC116AA3	2096	SA-7XSD	20	91	375	✓
15	1200	284T	575	RGZESD	Ball	1LE29512CC113AA3	2096	SA-7XSD	16	91	375	✓
15	900	286T	230/460	RGZESD	Ball	1LE29512CD216AA3	3328	SA-7XSD	23	91	430	✓
15	900	286T	575	RGZESD	Ball	1LE29512CD213AA3	3328	SA-7XSD	18.4	91	430	✓
20	3600	256T	208-230/460	SD10	Ball	1LE23012BA214AA3	1467	SD1	23.5	90.2	70	✓
20	3600	256T	575	SD10	Ball	1LE23012BA213AA3	1467	SD1	18.8	90.2	70	✓
20	1800	256T	208-230/460	SD10	Ball	1LE23012BB214AA3	1433	SD1	25	91	275	✓
20	1800	256T	575	SD10	Ball	1LE23012BB213AA3	1433	SD1	20	91	275	✓
20	1200	286T	230/460	RGZESD	Ball	1LE29512CC216AA3	2554	SA-7XSD	26	91.7	430	✓
20	1200	286T	575	RGZESD	Ball	1LE29512CC213AA3	2554	SA-7XSD	20.8	91.7	430	✓
20	900	324T	230/460	RGZESD	Ball	1LE29513AD116AA3	4068	SA-7XSD	31	91	567	✓
20	900	324T	575	RGZESD	Ball	1LE29513AD113AA3	4068	SA-7XSD	24.8	91	567	✓
25	3600	284T	460	RGZESD	Ball	1LE29512CA112AA3	1914	SA-7XSD	29	91.7	375	✓
25	3600	284TS	460	RGZESD	Ball	1LE29512DA112AA3	1914	SA-7XSD	29	91.7	375	✓
25	3600	284TS	575	RGZESD	Ball	1LE29512DA113AA3	1914	SA-7XSD	23.2	91.7	375	✓
25	1800	284T	460	RGZESD	Ball	1LE29512CB112AA3	1828	SA-7XSD	29	93	477	✓
25	1800	284TS	460	RGZESD	Ball	1LE29512DB112AA3	1828	SA-7XSD	29	93	375	✓
25	1800	284T	575	RGZESD	Ball	1LE29512CB113AA3	1828	SA-7XSD	23.2	93	375	✓
25	1200	324T	460	RGZESD	Ball	1LE29513AC112AA3	3096	SA-7XSD	33	92.4	565	✓
25	1200	324T	575	RGZESD	Ball	1LE29513AC113AA3	3096	SA-7XSD	26.4	92.4	565	✓
25	900	326T	460	RGZESD	Ball	1LE29513AD212AA3	4730	SA-7XSD	38	90.2	600	✓
25	900	326T	575	RGZESD	Ball	1LE29513AD213AA3	4730	SA-7XSD	30.4	90.2	600	✓
30	3600	286T	460	RGZESD	Ball	1LE29512CA212AA3	2235	SA-7XSD	34	91.7	520	✓
30	3600	286TS	460	RGZESD	Ball	1LE29512DA212AA3	2235	SA-7XSD	34	91.7	465	✓
30	3600	286TS	575	RGZESD	Ball	1LE29512DA213AA3	2235	SA-7XSD	27.2	91.7	430	✓
30	1800	286T	460	RGZESD	Ball	1LE29512CB212AA3	2125	SA-7XSD	35	93	494	✓
30	1800	286TS	460	RGZESD	Ball	1LE29512DB212AA3	2125	SA-7XSD	35	93	494	✓
30	1800	286T	575	RGZESD	Ball	1LE29512CB213AA3	2125	SA-7XSD	28	93	430	✓
30	1200	326T	460	RGZESD	Ball	1LE29513AC212AA3	3566	SA-7XSD	39	92.4	669	✓
30	1200	326T	575	RGZESD	Ball	1LE29513AC213AA3	3566	SA-7XSD	31.2	92.4	600	✓
30	900	364T	460	RGZESD	Ball	1LE29513CD112AA3	5598	SA-7XSD	47	91	800	✓
30	900	364T	575	RGZESD	Ball	1LE29513CD113AA3	5598	SA-7XSD	37.6	91	800	✓

*FL Amps are at 460V or 575V depending on the voltage rating of the motor.

Severe Duty - TEFC Motors

SD10 / RGZESD

Stock/Modifiable

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
Horizontal, Foot Mounted - continued												
40	3600	324T	460	RGZESD	Ball	1LE29513AA112AA3	2948	SA-7XSD	45	93.6	565	✓
40	3600	324TS	460	RGZESD	Ball	1LE29513BA112AA3	2948	SA-7XSD	45	93.6	565	✓
40	3600	324TS	575	RGZESD	Ball	1LE29513BA113AA3	2948	SA-7XSD	36	93.6	565	✓
40	1800	324T	460	RGZESD	Ball	1LE29513AB112AA3	2823	SA-7XSD	47	93.6	565	✓
40	1800	324TS	460	RGZESD	Ball	1LE29513BB112AA3	2823	SA-7XSD	47	93.6	565	✓
40	1800	324T	575	RGZESD	Ball	1LE29513AB112AA3	2823	SA-7XSD	37.6	93.6	565	✓
40	1200	364T	460	RGZESD	Ball	1LE29513BB112AA3	4833	SA-7XSD	52	93.6	800	✓
40	1200	364T	575	RGZESD	Ball	1LE29513CC112AA3	4833	SA-7XSD	41.6	93.6	800	✓
40	900	365T	460	RGZESD	Ball	1LE29513CC112AA3	6769	SA-7XSD	63	91.7	875	✓
40	900	365T	575	RGZESD	Ball	1LE29513CD112AA3	6769	SA-7XSD	50.4	91.7	875	✓
50	3600	326T	460	RGZESD	Ball	1LE29513AA212AA3	3814	SA-7XSD	55	93.6	710	✓
50	3600	326TS	460	RGZESD	Ball	1LE29513BA212AA3	3814	SA-7XSD	55	93.6	710	✓
50	3600	326TS	575	RGZESD	Ball	1LE29513BA213AA3	3814	SA-7XSD	44	93.6	600	✓
50	1800	326T	460	RGZESD	Ball	1LE29513AB212AA3	3467	SA-7XSD	58	93.6	600	✓
50	1800	326TS	460	RGZESD	Ball	1LE29513BB212AA3	3467	SA-7XSD	58	93.6	639	✓
50	1800	326T	575	RGZESD	Ball	1LE29513AB213AA3	3467	SA-7XSD	46.4	93.6	600	✓
50	1200	365T	460	RGZESD	Ball	1LE29513CC212AA3	5549	SA-7XSD	66	93.6	875	✓
50	1200	365T	575	RGZESD	Ball	1LE29513CC213AA3	5549	SA-7XSD	52.8	93.6	875	✓
50	900	404T	460	RGZESD	Ball	1LE29514AD112AA3	8088	SA-7XSD	67	91.7	1135	✓
50	900	404T	575	RGZESD	Ball	1LE29514AD113AA3	8088	SA-7XSD	53.6	91.7	1135	✓
60	3600	364T	460	RGZESD	Ball	1LE29513CA112AA3	5017	SA-7XSD	68	93.6	800	✓
60	3600	364TS	460	RGZESD	Ball	1LE29513DA112AA3	5017	SA-7XSD	68	93.6	800	✓
60	3600	364TS	575	RGZESD	Ball	1LE29513DA113AA3	5017	SA-7XSD	54.4	93.6	800	✓
60	1800	364T	460	RGZESD	Ball	1LE29513CB112AA3	4974	SA-7XSD	71	93.6	831	✓
60	1800	364TS	460	RGZESD	Ball	1LE29513DB112AA3	4974	SA-7XSD	71	93.6	800	✓
60	1800	364T	575	RGZESD	Ball	1LE29513CB113AA3	4974	SA-7XSD	56.8	93.6	800	✓
60	1200	404T	460	RGZESD	Ball	1LE29514AC112AA3	6502	SA-7XSD	74	94.1	1135	✓
60	1200	404T	575	RGZESD	Ball	1LE29514AC113AA3	6502	SA-7XSD	59.2	94.1	1135	✓
60	900	405T	460	RGZESD	Ball	1LE29514AD212AA3	9239	SA-7XSD	78	91.7	1300	✓
60	900	405T	575	RGZESD	Ball	1LE29514AD213AA3	9239	SA-7XSD	62.4	91.7	1300	✓
60	720	444T	460	RGZESD	Roller	1LE29514CE112AA3	16035	SA-7XSD			1900	✓
75	3600	365T	460	RGZESD	Ball	1LE29513CA212AA3	6300	SA-7XSD	85	94.1	875	✓
75	3600	365TS	460	RGZESD	Ball	1LE29513DA212AA3	6300	SA-7XSD	85	94.1	875	✓
75	3600	365TS	575	RGZESD	Ball	1LE29513DA213AA3	6300	SA-7XSD	68	94.1	875	✓
75	1800	365T	460	RGZESD	Ball	1LE29513CB212AA3	6305	SA-7XSD	87	94.1	875	✓
75	1800	365TS	460	RGZESD	Ball	1LE29513DB212AA3	6305	SA-7XSD	87	94.1	875	✓
75	1800	365T	575	RGZESD	Ball	1LE29513CB213AA3	6305	SA-7XSD	69.6	94.1	875	✓
75	1200	405T	460	RGZESD	Ball	1LE29514AC212AA3	7655	SA-7XSD	93	94.5	1300	✓
75	1200	405T	575	RGZESD	Ball	1LE29514AC213AA3	7655	SA-7XSD	74.4	94.5	1300	✓
75	900	444T	460	RGZESD	Roller	1LE29514CD112AA3	12175	SA-7XSD	94	93	1625	✓
75	900	444T	575	RGZESD	Roller	1LE29514CD113AA3	12175	SA-7XSD	75.2	93	1625	✓
75	720	445T	460	RGZESD	Roller	1LE29514CE212AA3	17014	SA-7XSD			1900	✓

*FL Amps are at 460V or 575V depending on the voltage rating of the motor.

Introduction

HIGH EFFICIENT
General Purpose

HIGH EFFICIENT
Severe Duty

HIGH EFFICIENT
Multi Speed

HIGH EFFICIENT
Hazardous Duty

HIGH EFFICIENT
Definite Purpose

HIGH EFFICIENT
P-Base Vertical

NEMA PREMIUM
General Purpose

NEMA PREMIUM
Severe Duty

Severe Duty - TEFC Motors

SD10 / RGZESD

Stock/Modifiable

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
Horizontal, Foot Mounted - continued												
100	3600	405TS	460	RGZESD	Ball	1LE29514BA212AA3	8442	SA-7XSD	108	94.1	1300	✓
100	3600	405TS	575	RGZESD	Ball	1LE29514BA213AA3	8442	SA-7XSD	86.4	94.1	1300	✓
100	1800	405TS	460	RGZESD	Ball	1LE29514BB212AA3	7790	SA-7XSD	113	94.5	1300	✓
100	1800	405T	460	RGZESD	Ball	1LE29514AB212AA3	7790	SA-7XSD	113	94.5	1300	✓
100	1800	405T	575	RGZESD	Ball	1LE29514AB213AA3	7790	SA-7XSD	90.4	94.5	1300	✓
100	1200	B444T	460	RGZESD	Ball	1LE29514EC212AA3	10462	SA-7XSD	117	94.5	1740	✓
100	1200	444TS	460	RGZESD	Ball	1LE29514DC212AA3	10462	SA-7XSD	117	94.5	1566	✓
100	1200	444T	460	RGZESD	Roller	1LE29514CC212AA3	10462	SA-7XSD	117	94.5	1625	✓
100	1200	444T	575	RGZESD	Roller	1LE29514CC213AA3	10462	SA-7XSD	93.6	94.5	1625	✓
100	900	445T	460	RGZESD	Roller	1LE29514CD212AA3	15053	SA-7XSD	123	94.1	1900	✓
100	900	445T	575	RGZESD	Roller	1LE29514CD213AA3	15053	SA-7XSD	98.4	94.1	1900	✓
100	720	447T	460	RGZESD	Roller	1LE29514CE212AA3	21107	SA-7XSD			2280	
125	3600	444TS	460	RGZESD	Ball	1LE29514DA112AA3	11035	SA-7XSD	138	94.5	1552	✓
125	3600	444TS	575	RGZESD	Ball	1LE29514DA113AA3	11035	SA-7XSD	110.4	94.5	1600	✓
125	1800	444TS	460	RGZESD	Ball	1LE29514DB112AA3	10255	SA-7XSD	143	95	1625	✓
125	1800	B444T	460	RGZESD	Ball	1LE29514EB112AA3	10255	SA-7XSD	143	95	1930	✓
125	1800	444T	460	RGZESD	Roller	1LE29514CB112AA3	10255	SA-7XSD	143	95	1625	✓
125	1800	444TS	575	RGZESD	Ball	1LE29514DB113AA3	10255	SA-7XSD	114.4	95	1625	✓
125	1800	444T	575	RGZESD	Roller	1LE29514CB113AA3	10255	SA-7XSD	114.4	95	1625	✓
125	1200	B445T	460	RGZESD	Ball	1LE29514EC212AA3	12850	SA-7XSD	144	94.5	1930	✓
125	1200	445TS	460	RGZESD	Ball	1LE29514DC212AA3	12850	SA-7XSD	144	94.5	1737	✓
125	1200	445T	460	RGZESD	Roller	1LE29514CC212AA3	12850	SA-7XSD	144	94.5	1900	✓
125	1200	445T	575	RGZESD	Roller	1LE29514CC213AA3	12850	SA-7XSD	115.2	94.5	1900	✓
125	900	447T	460	RGZESD	Roller	1LE29514CD312AA3	16040	SA-7XSD	152	93.6	2280	✓
125	900	447T	575	RGZESD	Roller	1LE29514CD313AA3	16040	SA-7XSD	121.6	93.6	2280	✓
125	720	449T	460	RGZESD	Roller	1LE29514CE512AA3	23907	SA-7XSD			2600	
150	3600	445TS	460	RGZESD	Ball	1LE29514DA212AA3	13257	SA-7XSD	164	95	1900	✓
150	3600	445TS	575	RGZESD	Ball	1LE29514DA213AA3	13257	SA-7XSD	131.2	95	1700	✓
150	1800	445TS	460	RGZESD	Ball	1LE29514DB212AA3	11922	SA-7XSD	170	95.8	1900	✓
150	1800	B445T	460	RGZESD	Ball	1LE29514EB212AA3	11922	SA-7XSD	170	95.8	1930	✓
150	1800	445T	460	RGZESD	Roller	1LE29514CB212AA3	11922	SA-7XSD	170	95.8	1900	✓
150	1800	445TS	575	RGZESD	Ball	1LE29514DB213AA3	11922	SA-7XSD	136	95.8	1900	✓
150	1800	445T	575	RGZESD	Roller	1LE29514CB213AA3	11922	SA-7XSD	136	95.8	1900	✓
150	1200	B447T	460	RGZESD	Ball	1LE29514EC312AA3	14377	SA-7XSD	170	95	2415	✓
150	1200	447TS	460	RGZESD	Ball	1LE29514DC312AA3	14377	SA-7XSD	170	95	2174	✓
150	1200	447T	460	RGZESD	Roller	1LE29514CC312AA3	14377	SA-7XSD	170	95	2280	✓
150	1200	447T	575	RGZESD	Roller	1LE29514CC313AA3	14377	SA-7XSD	136	95	2280	✓
150	900	447T	460	RGZESD	Roller	1LE29514CD412AA3	20400	SA-7XSD	186	94.1	2280	✓
150	900	447T	575	RGZESD	Roller	1LE29514CD413AA3	20400	SA-7XSD	148.8	94.1	2280	✓
150	720	449T	460	RGZESD	Roller	1LE29514CE612AA3	25655	SA-7XSD			2600	

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HIGH EFFICIENT
General PurposeHIGH EFFICIENT
Severe DutyHIGH EFFICIENT
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P-Base VerticalNEMA PREMIUM
General PurposeNEMA PREMIUM
Severe Duty

Severe Duty - TEFC Motors

SD10 / RGZESD

Stock/Modifiable

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
Horizontal, Foot Mounted - continued												
200	3600	447TS	460	RGZESD	Ball	1LE29514DA312AA3	16770	SA-7XSD	216	95	2280	✓
200	3600	447TS	575	RGZESD	Ball	1LE29514DA313AA3	16770	SA-7XSD	172.8	95	2000	✓
200	1800	B447T	460	RGZESD	Ball	1LE29514EB312AA3	14501	SA-7XSD	225	95.8	2015	✓
200	1800	447TS	460	RGZESD	Ball	1LE29514DB312AA3	14501	SA-7XSD	225	95.8	2280	✓
200	1800	447T	460	RGZESD	Roller	1LE29514CB312AA3	14501	SA-7XSD	225	95.8	2149	✓
200	1800	447TS	575	RGZESD	Ball	1LE29514DB313AA3	14501	SA-7XSD	180	95.8	2280	✓
200	1800	447T	575	RGZESD	Roller	1LE29514CB313AA3	14501	SA-7XSD	180	95.8	2280	✓
200	1200	B449T	460	RGZESD	Ball	1LE29514EC512AA3	17600	SA-7XSD	226	95	2625	✓
200	1200	449TS	460	RGZESD	Ball	1LE29514DC512AA3	17600	SA-7XSD	226	95	2363	✓
200	1200	449T	460	RGZESD	Roller	1LE29514CC512AA3	17600	SA-7XSD	226	95	2600	✓
200	1200	449T	575	RGZESD	Roller	1LE29514CC513AA3	17600	SA-7XSD	180.8	95	2600	✓
200	900	449T	460	RGZESD	Roller	1LE29514CD612AA3	20700	SA-7XSD	241	94.5	2600	✓
200	900	449T	575	RGZESD	Roller	1LE29514CD613AA3	20700	SA-7XSD	192.8	94.5	2600	✓
250	3600	449TS	460	RGZESD	Ball	1LE29514DA512AA3	21150	SA-7XSD	267	95.4	2600	✓
250	1800	449TS	460	RGZESD	Ball	1LE29514DB512AA3	18192	SA-7XSD	281	95.8	2600	✓
250	1800	B449T	460	RGZESD	Ball	1LE29514EB512AA3	18192	SA-7XSD	281	95.8	2625	✓
250	1800	449T	460	RGZESD	Roller	1LE29514CB512AA3	18192	SA-7XSD	281	95.8	2482	✓
250	1800	449T	575	RGZESD	Roller	1LE29514CB513AA3	18192	SA-7XSD	224.7	95.8	2482	✓
250	1200	B449T	460	RGZESD	Ball	1LE29514EC612AA3	19152	SA-7XSD	280	95	2625	✓
250	1200	449TS	460	RGZESD	Ball	1LE29514DC612AA3	19152	SA-7XSD	280	95	2070	✓
250	1200	449T	460	RGZESD	Roller	1LE29514CC612AA3	19152	SA-7XSD	280	95	2600	✓
250	1200	449T	575	RGZESD	Roller	1LE29514CC613AA3	19152	SA-7XSD	224	95	2600	✓
250	900	S449LS	460	RGZESD	Roller	1LE29514FD212AA3	29500	SA-7XSD	303	94.5	3316	✓
300	3600	449TS	460	RGZESD	Ball	1LE29514DA612AA3	26319	SA-7XSD	323	95.8	2600	✓
300	1800	449TS	460	RGZESD	Ball	1LE29514DB612AA3	19288	SA-7XSD	346	95.4	2352	✓
300	1800	449T	460	RGZESD	Roller	1LE29514CB612AA3	19288	SA-7XSD	346	95.4	2600	✓
300	1800	B449T	460	RGZESD	Ball	1LE29514EB612AA3	19288	SA-7XSD	346	95.4	2625	✓
300	1200	S449LS	460	RGZESD	Roller	1LE29514FC112AA3	35702	SA-7XSD	336	95	3442	✓
350	3600	S449SS	460	RGZESD	Ball	1LE29514GA112AA3	33060	SA-7XSD	369	95.4	3063	✓
350	1800	S449SS	460	RGZESD	Ball	1LE29514GB212AA3	30612	SA-7XSD	390	95.8	3309	✓
350	1800	S449LS	460	RGZESD	Roller	1LE29514FB212AA3	30612	SA-7XSD	390	95.8	3346	✓
350	1200	S449LS	460	RGZESD	Roller	1LE29514FC312AA3	40642	SA-7XSD	395	95	3000	✓
400	3600	S449SS	460	RGZESD	Ball	1LE29514GA312AA3	37105	SA-7XSD	418	95.4	3217	✓
400	1800	S449SS	460	RGZESD	Ball	1LE29514GB312AA3	34365	SA-7XSD	449	95.8	3869	✓
400	1800	S449LS	460	RGZESD	Roller	1LE29514FB312AA3	34365	SA-7XSD	449	95.8	3388	✓
400	1200	S449LS	460	RGZESD	Roller	1LE29514FC412AA3	43080	SA-7XSD	455	94.5	3050	✓

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Introduction

HIGH EFFICIENT
General Purpose

HIGH EFFICIENT
Severe Duty

HIGH EFFICIENT
Multi Speed

HIGH EFFICIENT
Hazardous Duty

HIGH EFFICIENT
Definite Purpose

HIGH EFFICIENT
P-Base Vertical

NEMA PREMIUM
General Purpose

NEMA PREMIUM
Severe Duty

Severe Duty - TEFC Motors

SD10 / RGZESD

Stock/Modifiable

	HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
C-Face, Horizontal, Footless													
HIGH EFFICIENT General Purpose	1	3600	143TC	208-230/460	SD10	Ball	1LE23011AA114GA3	417	SD1	1.4	80	65	✓
	1	3600	143TC	575	SD10	Ball	1LE23011AA113GA3	417	SD1	1.12	80	65	
HIGH EFFICIENT Severe Duty	1	1800	143TC	208-230/460	SD10	Ball	1LE23011AB214GA3	403	SD1	1.5	82.5	67	✓
	1	1800	143TC	575	SD10	Ball	1LE23011AB213GA3	403	SD1	1.2	82.5	67	
	1	1200	145TC	208-230/460	SD10	Ball	1LE23011AC314GA3	485	SD1	1.6	80	67	✓
	1	1200	145TC	575	SD10	Ball	1LE23011AC313GA3	485	SD1	1.28	80	67	
	1	900	182TC	208-230/460	SD10	Ball	1LE23011CD114GA3	754	SD1	2.1	81.5	106	✓
	1	900	182TC	575	SD10	Ball	1LE23011CD113GA3	754	SD1	1.64	81.5	106	
HIGH EFFICIENT Multi-Speed	1.5	3600	143TC	208-230/460	SD10	Ball	1LE23011AA214GA3	422	SD1	2	82.5	66	✓
	1.5	3600	143TC	575	SD10	Ball	1LE23011AA213GA3	422	SD1	1.6	82.5	66	
	1.5	1800	145TC	208-230/460	SD10	Ball	1LE23011AB314GA3	440	SD1	2.2	84	71	✓
	1.5	1800	145TC	575	SD10	Ball	1LE23011AB313GA3	440	SD1	1.76	84	71	
	1.5	1200	182TC	208-230/460	SD10	Ball	1LE23011CC114GA3	563	SD1	2.4	85.5	103	✓
	1.5	1200	182TC	575	SD10	Ball	1LE23011CC113GA3	563	SD1	1.92	85.5	103	
	1.5	900	184TC	208-230/460	SD10	Ball	1LE23011CD314GA3	836	SD1	3	82.5	119	✓
	1.5	900	184TC	575	SD10	Ball	1LE23011CD313GA3	836	SD1	2.4	82.5	119	
HIGH EFFICIENT Hazardous Duty	2	3600	145TC	208-230/460	SD10	Ball	1LE23011AA314GA3	489	SD1	2.6	84	68	✓
	2	3600	145TC	575	SD10	Ball	1LE23011AA313GA3	489	SD1	2.08	84	68	
	2	1800	145TC	208-230/460	SD10	Ball	1LE23011AB414GA3	475	SD1	3	84	73	✓
	2	1800	145TC	575	SD10	Ball	1LE23011AB413GA3	475	SD1	2.4	84	73	
	2	1200	184TC	208-230/460	SD10	Ball	1LE23011CC314GA3	616	SD1	3.1	86.5	114	✓
	2	1200	184TC	575	SD10	Ball	1LE23011CC313GA3	616	SD1	2.48	86.5	114	
	2	900	213TC	208-230/460	SD10	Ball	1LE23012AD114GA3	955	SD1	3.3	84	143	✓
	2	900	213TC	575	SD10	Ball	1LE23012AD113GA3	955	SD1	2.64	84	143	
HIGH EFFICIENT Definite Purpose	3	3600	182TC	208-230/460	SD10	Ball	1LE23011CA114GA3	573	SD1	3.7	85.5	105	✓
	3	3600	182TC	575	SD10	Ball	1LE23011CA113GA3	573	SD1	2.96	85.5	105	
	3	1800	182TC	208-230/460	SD10	Ball	1LE23011CB114GA3	556	SD1	4	87.5	108	✓
	3	1800	182TC	575	SD10	Ball	1LE23011CB113GA3	556	SD1	3.2	87.5	108	
	3	1200	213TC	208-230/460	SD10	Ball	1LE23012AC114GA3	739	SD1	4	87.5	145	✓
	3	1200	213TC	575	SD10	Ball	1LE23012AC113GA3	739	SD1	3.36	87.5	145	
	3	900	215TC	208-230/460	SD10	Ball	1LE23012AD214GA3	1279	SD1	4.8	85.5	158	✓
	3	900	215TC	575	SD10	Ball	1LE23012AD213GA3	1279	SD1	3.84	85.5	158	
HIGH EFFICIENT P-Base Vertical	5	3600	184TC	208-230/460	SD10	Ball	1LE23011CA314GA3	694	SD1	6.2	87.5	111	✓
	5	3600	184TC	575	SD10	Ball	1LE23011CA313GA3	694	SD1	4.96	87.5	111	
	5	1800	184TC	208-230/460	SD10	Ball	1LE23011CB314GA3	630	SD1	6.7	87.5	114	✓
	5	1800	184TC	575	SD10	Ball	1LE23011CB313GA3	630	SD1	5.36	87.5	114	
	5	1200	215TC	208-230/460	SD10	Ball	1LE23012AC214GA3	1016	SD1	6.8	87.5	160	✓
	5	1200	215TC	575	SD10	Ball	1LE23012AC213GA3	1016	SD1	5.44	87.5	160	
NEMA PREMIUM General Purpose	5	900	254TC	208-230/460	SD10	Ball	1LE23012BD114GA3	1794	SD1	8.8	86.5	247	✓
	5	900	254TC	575	SD10	Ball	1LE23012BD113GA3	1794	SD1	7.04	86.5	247	

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Severe Duty - TEFC Motors

SD10 / RGZESD

Stock/Modifiable

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
C-Face, Horizontal, Footless - continued												
7.5	3600	213TC	208-230/460	SD10	Ball	1LE23012AA114GA3	835	SD1	9	88.5	156	✓
7.5	3600	213TC	575	SD10	Ball	1LE23012AA113GA3	835	SD1	7.2	88.5	156	✓
7.5	1800	213TC	208-230/460	SD10	Ball	1LE23012AB114GA3	825	SD1	9.5	89.5	163	✓
7.5	1800	213TC	575	SD10	Ball	1LE23012AB113GA3	825	SD1	7.6	89.5	163	✓
7.5	1200	254TC	208-230/460	SD10	Ball	1LE23012BC114GA3	1356	SD1	10.5	89.5	253	✓
7.5	1200	254TC	575	SD10	Ball	1LE23012BC113GA3	1356	SD1	8.4	89.5	253	✓
7.5	900	256TC	208-230/460	SD10	Ball	1LE23012BD214GA3	2013	SD1	13	87.5	279	✓
7.5	900	256TC	575	SD10	Ball	1LE23012BD213GA3	2013	SD1	10.4	87.5	279	✓
10	3600	215TC	208-230/460	SD10	Ball	1LE23012AA214GA3	962	SD1	11.5	89.5	170	✓
10	3600	215TC	575	SD10	Ball	1LE23012AA213GA3	962	SD1	9.2	89.5	170	✓
10	1800	215TC	208-230/460	SD10	Ball	1LE23012AB214GA3	976	SD1	12.5	89.5	170	✓
10	1800	215TC	575	SD10	Ball	1LE23012AB213GA3	976	SD1	10	89.5	170	✓
10	1200	256TC	208-230/460	SD10	Ball	1LE23012BC214GA3	1610	SD1	13.5	89.5	265	✓
10	1200	256TC	575	SD10	Ball	1LE23012BC213GA3	1610	SD1	10.8	89.5	265	✓
15	3600	254TC	208-230/460	SD10	Ball	1LE23012BA114GA3	1319	SD1	18	90.2	257	✓
15	3600	254TC	575	SD10	Ball	1LE23012BA113GA3	1319	SD1	14.4	90.2	257	✓
15	1800	254TC	208-230/460	SD10	Ball	1LE23012BB114GA3	1296	SD1	19	91	256	✓
15	1800	254TC	575	SD10	Ball	1LE23012BB113GA3	1296	SD1	15.2	91	256	✓
20	3600	256TC	208-230/460	SD10	Ball	1LE23012BA214GA3	1601	SD1	23.5	90.2	275	✓
20	3600	256TC	575	SD10	Ball	1LE23012BA213GA3	1601	SD1	18.8	90.2	275	✓
20	1800	256TC	208-230/460	SD10	Ball	1LE23012BB214GA3	1567	SD1	25	91	275	✓
20	1800	256TC	575	SD10	Ball	1LE23012BB213GA3	1567	SD1	20	91	275	✓

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Introduction

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Multi-Speed

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P-Base Vertical

NEMA PREMIUM
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