

Severe Duty / IEEE 841 - TEFC Motors

SD100 IEEE841 / RGZEESDX

The IEEE 841 motor meets or exceeds IEEE 841-2001 standards for energy efficiency, high performance, variable speed operation, rugged construction and long service life for the most demanding applications. They are ideal for use in chemical processing, mining, foundry, pulp and paper, waste management and petro/chemical applications.

Performance Specifications

- 1 to 20 HP – SD100 IEEE841
- 25 to 400 HP – RGZEESDX
- 1.15 service factor, 40°C ambient
- 3600, 1800, 1200 or 900 RPM
- 3-phase, 60 Hz; 460 and 575 volt operation
- Meets or exceeds NEMA Premium® efficiency standards
- Class F insulation, Class B temperature rise @ 1.0SF
- NEMA design B, continuous duty
- 0.06 IPS vibration / 0.005" foot flatness
- 143T to 256T frame – SD100 IEEE841
- 284T to S449 frame – RGZEESDX

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 – The SD100 IEEE841 motors (except 8 pole designs) use Siemens exclusive, leading edge, die cast copper rotor design which provides industry leading efficiencies, exceeding NEMA Premium. The RGZEESDX motors, which meet the NEMA Premium efficiency levels, have a die cast aluminum rotor. Each rotor assembly is dynamically balanced for extended bearing life, and includes a high-strength carbon steel (C1045) shaft for maximum rotor performance.

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.

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 single shielded with cast iron inner caps. Alemite grease inlet fittings and automatic grease relief fittings for ease of routine maintenance. Inpro/Seal® bearing isolators are standard on bearing housings.

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. Seamless, grease filled lubrication pipes are included.



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YEAR
WARRANTY

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 embossed 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 →

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 / IEEE 841 - TEFC Motors

SD100 IEEE841 / RGZEESDX

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	460	SD100 IEEE841	Ball	1LE24111AA112AA3	569	SD3	2.6	87.5	79	✓
1	3600	143T	575	SD100 IEEE841	Ball	1LE24111AA113AA3	569	SD3	2.08	87.5	79	✓
1	1800	143T	460	SD100 IEEE841	Ball	1LE24111AB212AA3	551	SD3	1.5	86.5	81	✓
1	1800	143T	575	SD100 IEEE841	Ball	1LE24111AB213AA3	551	SD3	1.2	86.5	81	✓
1	1200	145T	460	SD100 IEEE841	Ball	1LE24111AC312AA3	649	SD3	1.6	84	81	✓
1	1200	145T	575	SD100 IEEE841	Ball	1LE24111AC313AA3	649	SD3	1.28	84	81	✓
1	900	182T	460	SD100 IEEE841	Ball	1LE24111CD112AA3	948	SD3	2.1	81.5	106	✓
1	900	182T	575	SD100 IEEE841	Ball	1LE24111CD113AA3	948	SD3	1.64	81.5	106	✓
1.5	3600	143T	460	SD100 IEEE841	Ball	1LE24111AA212AA3	570	SD3	1.9	87.5	79	✓
1.5	3600	143T	575	SD100 IEEE841	Ball	1LE24111AA213AA3	570	SD3	1.52	87.5	79	✓
1.5	1800	145T	460	SD100 IEEE841	Ball	1LE24111AB312AA3	594	SD3	2.1	87.5	81	✓
1.5	1800	145T	575	SD100 IEEE841	Ball	1LE24111AB313AA3	594	SD3	1.68	87.5	81	✓
1.5	1200	182T	460	SD100 IEEE841	Ball	1LE24111CC112AA3	728	SD3	2.4	87.5	117	✓
1.5	1200	182T	575	SD100 IEEE841	Ball	1LE24111CC113AA3	728	SD3	1.92	87.5	117	✓
1.5	900	184T	460	SD100 IEEE841	Ball	1LE24111CD312AA3	1119	SD3	3	82.5	119	✓
1.5	900	184T	575	SD100 IEEE841	Ball	1LE24111CD313AA3	1119	SD3	2.4	82.5	119	✓
2	3600	145T	460	SD100 IEEE841	Ball	1LE24111AA312AA3	654	SD3	2.6	88.5	80	✓
2	3600	145T	575	SD100 IEEE841	Ball	1LE24111AA313AA3	654	SD3	2.08	88.5	80	✓
2	1800	145T	460	SD100 IEEE841	Ball	1LE24111AB412AA3	636	SD3	2.8	87.5	81	✓
2	1800	145T	575	SD100 IEEE841	Ball	1LE24111AB413AA3	636	SD3	2.24	87.5	81	✓
2	1200	184T	460	SD100 IEEE841	Ball	1LE24111CC312AA3	774	SD3	3	88.5	127	✓
2	1200	184T	575	SD100 IEEE841	Ball	1LE24111CC313AA3	774	SD3	2.4	88.5	127	✓
2	900	213T	460	SD100 IEEE841	Ball	1LE24112AD112AA3	1317	SD3	3.3	84	145	✓
2	900	213T	575	SD100 IEEE841	Ball	1LE24112AD113AA3	1317	SD3	2.64	84	145	✓
3	3600	182T	460	SD100 IEEE841	Ball	1LE24111CA112AA3	686	SD3	3.8	89.5	121	✓
3	3600	182T	575	SD100 IEEE841	Ball	1LE24111CA113AA3	686	SD3	3.04	89.5	121	✓
3	1800	182T	460	SD100 IEEE841	Ball	1LE24111CB112AA3	657	SD3	4	90.2	125	✓
3	1800	182T	575	SD100 IEEE841	Ball	1LE24111CB113AA3	657	SD3	3.2	90.2	125	✓
3	1200	213T	460	SD100 IEEE841	Ball	1LE24112AC112AA3	977	SD3	4.3	90.2	170	✓
3	1200	213T	575	SD100 IEEE841	Ball	1LE24112AC113AA3	977	SD3	3.44	90.2	170	✓
3	900	215T	460	SD100 IEEE841	Ball	1LE24112AD212AA3	1671	SD3	4.8	85.5	160	✓
3	900	215T	575	SD100 IEEE841	Ball	1LE24112AD213AA3	1671	SD3	3.84	85.5	160	✓
5	3600	184T	460	SD100 IEEE841	Ball	1LE24111CA312AA3	834	SD3	6.2	90.2	123	✓
5	3600	184T	575	SD100 IEEE841	Ball	1LE24111CA313AA3	834	SD3	4.96	90.2	123	✓
5	1800	184T	460	SD100 IEEE841	Ball	1LE24111CB312AA3	748	SD3	6.7	90.2	129	✓
5	1800	184T	575	SD100 IEEE841	Ball	1LE24111CB313AA3	748	SD3	5.36	90.2	129	✓
5	1200	215T	460	SD100 IEEE841	Ball	1LE24112AC212AA3	1285	SD3	6.8	90.2	184	✓
5	1200	215T	575	SD100 IEEE841	Ball	1LE24112AC213AA3	1285	SD3	5.44	90.2	184	✓
5	900	254T	460	SD100 IEEE841	Ball	1LE24112BD112AA3	2220	SD3	8.8	86.5	247	✓
5	900	254T	575	SD100 IEEE841	Ball	1LE24112BD113AA3	2220	SD3	7.04	86.5	247	✓
7.5	3600	213T	460	SD100 IEEE841	Ball	1LE24112AA112AA3	1029	SD3	8.5	91.7	191	✓
7.5	3600	213T	575	SD100 IEEE841	Ball	1LE24112AA113AA3	1029	SD3	6.8	91.7	191	✓
7.5	1800	213T	460	SD100 IEEE841	Ball	1LE24112AB112AA3	999	SD3	9.5	92.4	198	✓
7.5	1800	213T	575	SD100 IEEE841	Ball	1LE24112AB113AA3	999	SD3	7.6	92.4	198	✓
7.5	1200	254T	460	SD100 IEEE841	Ball	1LE24112BC112AA3	1653	SD3	10.5	92.4	336	✓
7.5	1200	254T	575	SD100 IEEE841	Ball	1LE24112BC113AA3	1653	SD3	8.4	92.4	336	✓
7.5	900	256T	460	SD100 IEEE841	Ball	1LE24112BD212AA3	2800	SD3	13	87.5	279	✓
7.5	900	256T	575	SD100 IEEE841	Ball	1LE24112BD213AA3	2800	SD3	10.4	87.5	279	✓

Highlighted SD100 IEEE841 ratings exceeded NEMA Premium efficiency levels using Siemens copper rotor technology.

Severe Duty / IEEE 841 - TEFC Motors

SD100 IEEE841 / RGZEESDX

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	460	SD100 IEEE841	Ball	1LE24112AA212AA3	1182	SD3	11.5	91.7	196	✓
10	3600	215T	575	SD100 IEEE841	Ball	1LE24112AA213AA3	1182	SD3	9.2	91.7	196	✓
10	1800	215T	460	SD100 IEEE841	Ball	1LE24112AB212AA3	1196	SD3	12.5	92.4	206	✓
10	1800	215T	575	SD100 IEEE841	Ball	1LE24112AB213AA3	1196	SD3	10	92.4	206	✓
10	1200	256T	460	SD100 IEEE841	Ball	1LE24112BC212AA3	2056	SD3	13.5	92.4	337	✓
10	1200	256T	575	SD100 IEEE841	Ball	1LE24112BC213AA3	2056	SD3	10.8	92.4	337	✓
10	900	284T	460	RGZEESDX	Ball	1LE29822CD112AA3	3018	SA-7IEE	15	90.2	362	✓
10	900	284T	575	RGZEESDX	Ball	1LE29822CD113AA3	3018	SA-7IEE	12	90.2	362	✓
15	3600	254T	460	SD100 IEEE841	Ball	1LE24112BA112AA3	1604	SD3	17	92.4	309	✓
15	3600	254T	575	SD100 IEEE841	Ball	1LE24112BA113AA3	1604	SD3	13.6	92.4	309	✓
15	1800	254T	460	SD100 IEEE841	Ball	1LE24112BB112AA3	1575	SD3	19	93	297	✓
15	1800	254T	575	SD100 IEEE841	Ball	1LE24112BB113AA3	1575	SD3	15.2	93	297	✓
15	1200	284T	460	RGZEESDX	Ball	1LE29822CC112AA3	2431	SA-7IEE	21	91.7	400	✓
15	1200	284T	575	RGZEESDX	Ball	1LE29822CC113AA3	2431	SA-7IEE	16.8	91.7	400	✓
15	900	286T	460	RGZEESDX	Ball	1LE29822CD212AA3	3860	SA-7IEE	23	90.2	420	✓
15	900	286T	575	RGZEESDX	Ball	1LE29822CD213AA3	3860	SA-7IEE	18.4	90.2	420	✓
20	3600	256T	460	SD100 IEEE841	Ball	1LE24112BA212AA3	1969	SD3	23	92.4	333	✓
20	3600	256T	575	SD100 IEEE841	Ball	1LE24112BA213AA3	1969	SD3	18	92.4	333	✓
20	1800	256T	460	SD100 IEEE841	Ball	1LE24112BB212AA3	2031	SD3	25	93.6	341	✓
20	1800	256T	575	SD100 IEEE841	Ball	1LE24112BB213AA3	2031	SD3	20	93.6	341	✓
20	1200	286T	460	RGZEESDX	Ball	1LE29822CC212AA3	2963	SA-7IEE	27	91.7	465	✓
20	1200	286T	575	RGZEESDX	Ball	1LE29822CC213AA3	2963	SA-7IEE	21.6	91.7	465	✓
20	900	324T	460	RGZEESDX	Ball	1LE29823AD112AA3	4719	SA-7IEE	31	91	570	✓
20	900	324T	575	RGZEESDX	Ball	1LE29823AD113AA3	4719	SA-7IEE	24.8	91	570	✓
25	3600	284TS	460	RGZEESDX	Ball	1LE29822DA112AA3	2220	SA-7IEE	29	91.7	415	✓
25	3600	284TS	575	RGZEESDX	Ball	1LE29822DA113AA3	2220	SA-7IEE	23.2	91.7	415	✓
25	1800	284T	460	RGZEESDX	Ball	1LE29822CB112AA3	2120	SA-7IEE	30	93.6	445	✓
25	1800	284T	575	RGZEESDX	Ball	1LE29822CB113AA3	2120	SA-7IEE	24	93.6	445	✓
25	1800	284TS	460	RGZEESDX	Ball	1LE29822DB112AA3	2120	SA-7IEE	30	93.6	445	✓
25	1800	284TS	575	RGZEESDX	Ball	1LE29822DB113AA3	2120	SA-7IEE	24	93.6	445	✓
25	1200	324T	460	RGZEESDX	Ball	1LE29823AC112AA3	3591	SA-7IEE	33	93	640	✓
25	1200	324T	575	RGZEESDX	Ball	1LE29823AC113AA3	3591	SA-7IEE	26.4	93	640	✓
25	900	326T	460	RGZEESDX	Ball	1LE29823AD212AA3	5487	SA-7IEE	41	90.2	582	✓
25	900	326T	575	RGZEESDX	Ball	1LE29823AD213AA3	5487	SA-7IEE	32.8	90.2	582	✓
30	3600	286TS	460	RGZEESDX	Ball	1LE29822DA212AA3	2593	SA-7IEE	34	91.7	430	✓
30	3600	286TS	575	RGZEESDX	Ball	1LE29822DA213AA3	2593	SA-7IEE	27.2	91.7	430	✓
30	1800	286T	460	RGZEESDX	Ball	1LE29822CB212AA3	2465	SA-7IEE	35	93.6	465	✓
30	1800	286T	575	RGZEESDX	Ball	1LE29822CB213AA3	2465	SA-7IEE	28	93.6	465	✓
30	1800	286TS	460	RGZEESDX	Ball	1LE29822DB212AA3	2465	SA-7IEE	35	93.6	465	✓
30	1800	286TS	575	RGZEESDX	Ball	1LE29822DB213AA3	2465	SA-7IEE	28	93.6	465	✓
30	1200	326T	460	RGZEESDX	Ball	1LE29823AC212AA3	4137	SA-7IEE	39	93	675	✓
30	1200	326T	575	RGZEESDX	Ball	1LE29823AC213AA3	4137	SA-7IEE	31.2	93	675	✓
30	900	364T	460	RGZEESDX	Ball	1LE29823CD112AA3	6494	SA-7IEE	47	91.7	740	✓
30	900	364T	575	RGZEESDX	Ball	1LE29823CD113AA3	6494	SA-7IEE	37.6	91.7	740	✓

Highlighted SD100 IEEE841 ratings exceeded NEMA Premium efficiency levels using Siemens copper rotor technology.

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 / IEEE 841 - TEFC Motors

SD100 IEEE841 / RGZEESDX

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	324TS	460	RGZEESDX	Ball	1LE29823BA112AA3	3420	SA-7IEE	45	93.6	575	✓
40	3600	324TS	575	RGZEESDX	Ball	1LE29823BA113AA3	3420	SA-7IEE	36	93.6	575	✓
40	1800	324T	460	RGZEESDX	Ball	1LE29823AB112AA3	3275	SA-7IEE	46	94.1	666	✓
40	1800	324T	575	RGZEESDX	Ball	1LE29823AB113AA3	3275	SA-7IEE	36.8	94.1	666	✓
40	1800	324TS	460	RGZEESDX	Ball	1LE29823BB112AA3	3275	SA-7IEE	46	94.1	666	✓
40	1800	324TS	575	RGZEESDX	Ball	1LE29823BB113AA3	3275	SA-7IEE	36.8	94.1	666	✓
40	1200	364T	460	RGZEESDX	Ball	1LE29823CC112AA3	5606	SA-7IEE	49	94.1	863	✓
40	1200	364T	575	RGZEESDX	Ball	1LE29823CC113AA3	5606	SA-7IEE	39.2	94.1	863	✓
40	900	365T	460	RGZEESDX	Ball	1LE29823CD212AA3	7852	SA-7IEE	63	91.7	840	✓
40	900	365T	575	RGZEESDX	Ball	1LE29823CD213AA3	7852	SA-7IEE	50.4	91.7	840	✓
50	3600	326TS	460	RGZEESDX	Ball	1LE29823BA212AA3	4348	SA-7IEE	55	93.6	610	✓
50	3600	326TS	575	RGZEESDX	Ball	1LE29823BA213AA3	4348	SA-7IEE	44	93.6	610	✓
50	1800	326T	460	RGZEESDX	Ball	1LE29823AB212AA3	3987	SA-7IEE	58	94.5	700	✓
50	1800	326T	575	RGZEESDX	Ball	1LE29823AB213AA3	3987	SA-7IEE	46.4	94.5	700	✓
50	1800	326TS	460	RGZEESDX	Ball	1LE29823BB212AA3	3987	SA-7IEE	58	94.5	700	✓
50	1800	326TS	575	RGZEESDX	Ball	1LE29823BB213AA3	3987	SA-7IEE	46.4	94.5	700	✓
50	1200	365T	460	RGZEESDX	Ball	1LE29823CC212AA3	6381	SA-7IEE	62	94.1	900	✓
50	1200	365T	575	RGZEESDX	Ball	1LE29823CC213AA3	6381	SA-7IEE	49.6	94.1	900	✓
50	900	404T	460	RGZEESDX	Ball	1LE29824AD112AA3	9139	SA-7IEE	67	92.4	1116	✓
50	900	404T	575	RGZEESDX	Ball	1LE29824AD113AA3	9139	SA-7IEE	53.6	92.4	1116	✓
60	3600	364TS	460	RGZEESDX	Ball	1LE29823DA112AA3	5770	SA-7IEE	68	93.6	717	✓
60	3600	364TS	575	RGZEESDX	Ball	1LE29823DA113AA3	5770	SA-7IEE	54.4	93.6	717	✓
60	1800	364T	460	RGZEESDX	Ball	1LE29823CB112AA3	5670	SA-7IEE	68	95	930	✓
60	1800	364T	575	RGZEESDX	Ball	1LE29823CB113AA3	5670	SA-7IEE	54.4	95	930	✓
60	1800	364TS	460	RGZEESDX	Ball	1LE29823DB112AA3	5670	SA-7IEE	68	95	930	✓
60	1800	364TS	575	RGZEESDX	Ball	1LE29823DB113AA3	5670	SA-7IEE	54.4	95	930	✓
60	1200	404T	460	RGZEESDX	Ball	1LE29824AC112AA3	7282	SA-7IEE	74	94.5	1100	✓
60	1200	404T	575	RGZEESDX	Ball	1LE29824AC113AA3	7282	SA-7IEE	59.2	94.5	1100	✓
60	900	405T	460	RGZEESDX	Ball	1LE29824AD212AA3	10255	SA-7IEE	78	92.4	1182	✓
60	900	405T	575	RGZEESDX	Ball	1LE29824AD213AA3	10255	SA-7IEE	62.4	92.4	1182	✓
75	3600	365TS	460	RGZEESDX	Ball	1LE29823DA212AA3	7245	SA-7IEE	85	94.1	815	✓
75	3600	365TS	575	RGZEESDX	Ball	1LE29823DA213AA3	7245	SA-7IEE	68	94.1	815	✓
75	1800	365T	460	RGZEESDX	Ball	1LE29823CB212AA3	7062	SA-7IEE	85	95.4	1000	✓
75	1800	365T	575	RGZEESDX	Ball	1LE29823CB213AA3	7062	SA-7IEE	68	95.4	1000	✓
75	1800	365TS	460	RGZEESDX	Ball	1LE29823DB212AA3	7062	SA-7IEE	85	95.4	1000	✓
75	1800	365TS	575	RGZEESDX	Ball	1LE29823DB213AA3	7062	SA-7IEE	68	95.4	1000	✓
75	1200	405T	460	RGZEESDX	Ball	1LE29824AC212AA3	8497	SA-7IEE	93	94.5	1150	✓
75	1200	405T	575	RGZEESDX	Ball	1LE29824AC213AA3	8497	SA-7IEE	74.4	94.5	1150	✓
75	900	444T	460	RGZEESDX	Roller	1LE29824CD112AA3	13636	SA-7IEE	94	93.6	1525	✓
75	900	444T	575	RGZEESDX	Roller	1LE29824CD113AA3	13636	SA-7IEE	75.2	93.6	1525	✓
100	3600	405TS	460	RGZEESDX	Ball	1LE29824BA212AA3	9624	SA-7IEE	108	94.1	1100	✓
100	3600	405TS	575	RGZEESDX	Ball	1LE29824BA213AA3	9624	SA-7IEE	86.4	94.1	1100	✓
100	1800	405T	460	RGZEESDX	Ball	1LE29824AB212AA3	8725	SA-7IEE	113	95.4	1160	✓
100	1800	405T	575	RGZEESDX	Ball	1LE29824AB213AA3	8725	SA-7IEE	90.4	95.4	1160	✓
100	1800	405TS	460	RGZEESDX	Ball	1LE29824BB212AA3	8725	SA-7IEE	113	95.4	1160	✓
100	1800	405TS	575	RGZEESDX	Ball	1LE29824BB213AA3	8725	SA-7IEE	90.4	95.4	1160	✓

Severe Duty / IEEE 841 - TEFC Motors

SD100 IEEE841 / RGZEESDX

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	1200	444T	460	RGZEESDX	Roller	1LE29824CC112AA3	11717	SA-7IEE	117	95	1545	✓
100	1200	444T	575	RGZEESDX	Roller	1LE29824CC113AA3	11717	SA-7IEE	93.6	95	1545	✓
100	1200	444TS	460	RGZEESDX	Ball	1LE29824DC112AA3	11717	SA-7IEE	117	95	1545	✓
100	1200	444TS	575	RGZEESDX	Ball	1LE29824DC113AA3	11717	SA-7IEE	93.6	95	1545	✓
100	1200	B444T	460	RGZEESDX	Ball	1LE29824EC112AA3	11717	SA-7IEE	117	95	1545	✓
100	1200	B444T	575	RGZEESDX	Ball	1LE29824EC113AA3	11717	SA-7IEE	93.6	95	1545	✓
100	900	445T	460	RGZEESDX	Roller	1LE29824CD212AA3	16710	SA-7IEE	123	94.1	1697	✓
100	900	445T	575	RGZEESDX	Roller	1LE29824CD213AA3	16710	SA-7IEE	98.4	94.1	1697	✓
125	3600	444TS	460	RGZEESDX	Ball	1LE29824DA112AA3	12360	SA-7IEE	138	95	1454	✓
125	3600	444TS	575	RGZEESDX	Ball	1LE29824DA113AA3	12360	SA-7IEE	110.4	95	1454	✓
125	1800	444T	460	RGZEESDX	Roller	1LE29824CB112AA3	11383	SA-7IEE	143	95.4	1600	✓
125	1800	444T	575	RGZEESDX	Roller	1LE29824CB113AA3	11383	SA-7IEE	114.4	95.4	1600	✓
125	1800	444TS	460	RGZEESDX	Ball	1LE29824DB112AA3	11383	SA-7IEE	143	95.4	1600	✓
125	1800	444TS	575	RGZEESDX	Ball	1LE29824DB113AA3	11383	SA-7IEE	114.4	95.4	1600	✓
125	1800	B444T	460	RGZEESDX	Ball	1LE29824EB112AA3	11383	SA-7IEE	143	95.4	1600	✓
125	1800	B444T	575	RGZEESDX	Ball	1LE29824EB113AA3	11383	SA-7IEE	114.4	95.4	1600	✓
125	1200	445T	460	RGZEESDX	Roller	1LE29824CC212AA3	14135	SA-7IEE	144	95	1720	✓
125	1200	445T	575	RGZEESDX	Roller	1LE29824CC213AA3	14135	SA-7IEE	115.2	95	1720	✓
125	1200	445TS	460	RGZEESDX	Ball	1LE29824DC212AA3	14135	SA-7IEE	144	95	1720	✓
125	1200	445TS	575	RGZEESDX	Ball	1LE29824DC213AA3	14135	SA-7IEE	115.2	95	1720	✓
125	1200	B445T	460	RGZEESDX	Ball	1LE29824EC212AA3	14135	SA-7IEE	144	95	1720	✓
125	1200	B445T	575	RGZEESDX	Ball	1LE29824EC213AA3	14135	SA-7IEE	115.2	95	1720	✓
125	900	447T	460	RGZEESDX	Roller	1LE29824CD312AA3	17163	SA-7IEE	152	94.1	2018	✓
125	900	447T	575	RGZEESDX	Roller	1LE29824CD313AA3	17163	SA-7IEE	121.6	94.1	2018	✓
150	3600	445TS	460	RGZEESDX	Ball	1LE29824DA212AA3	14450	SA-7IEE	164	95	1615	✓
150	3600	445TS	575	RGZEESDX	Ball	1LE29824DA213AA3	14450	SA-7IEE	131.2	95	1615	✓
150	1800	445T	460	RGZEESDX	Roller	1LE29824CB212AA3	12875	SA-7IEE	170	95.8	1710	✓
150	1800	445T	575	RGZEESDX	Roller	1LE29824CB213AA3	12875	SA-7IEE	136	95.8	1710	✓
150	1800	445TS	460	RGZEESDX	Ball	1LE29824DB212AA3	12875	SA-7IEE	170	95.8	1710	✓
150	1800	445TS	575	RGZEESDX	Ball	1LE29824DB213AA3	12875	SA-7IEE	136	95.8	1710	✓
150	1800	B445T	460	RGZEESDX	Ball	1LE29824EB212AA3	12875	SA-7IEE	170	95.8	1710	✓
150	1800	B445T	575	RGZEESDX	Ball	1LE29824EB213AA3	12875	SA-7IEE	136	95.8	1710	✓
150	1200	447T	460	RGZEESDX	Roller	1LE29824CC312AA3	15527	SA-7IEE	172	95.8	1995	✓
150	1200	447T	575	RGZEESDX	Roller	1LE29824CC313AA3	15527	SA-7IEE	137.6	95.8	1995	✓
150	1200	447TS	460	RGZEESDX	Ball	1LE29824DC312AA3	15527	SA-7IEE	172	95.8	1995	✓
150	1200	447TS	575	RGZEESDX	Ball	1LE29824DC313AA3	15527	SA-7IEE	137.6	95.8	1995	✓
150	1200	B447T	460	RGZEESDX	Ball	1LE29824EC312AA3	15527	SA-7IEE	172	95.8	1995	✓
150	1200	B447T	575	RGZEESDX	Ball	1LE29824EC313AA3	15527	SA-7IEE	137.6	95.8	1995	✓
150	900	449T	460	RGZEESDX	Roller	1LE29824CD512AA3	21945	SA-7IEE	180	94.1	2480	✓
150	900	449T	575	RGZEESDX	Roller	1LE29824CD513AA3	21945	SA-7IEE	144	94.1	2480	✓
200	3600	447TS	460	RGZEESDX	Ball	1LE29824DA312AA3	18122	SA-7IEE	216	95.4	1890	✓
200	3600	447TS	575	RGZEESDX	Ball	1LE29824DA313AA3	18122	SA-7IEE	172.8	95.4	1890	✓
200	1800	447T	460	RGZEESDX	Roller	1LE29824CB312AA3	15660	SA-7IEE	226	96.2	2035	✓
200	1800	447T	575	RGZEESDX	Roller	1LE29824CB313AA3	15660	SA-7IEE	180.8	96.2	2035	✓
200	1800	447TS	460	RGZEESDX	Ball	1LE29824DB312AA3	15660	SA-7IEE	226	96.2	2035	✓
200	1800	447TS	575	RGZEESDX	Ball	1LE29824DB313AA3	15660	SA-7IEE	180.8	96.2	2035	✓
200	1800	B447T	460	RGZEESDX	Ball	1LE29824EB312AA3	15660	SA-7IEE	226	96.2	2035	✓
200	1800	B447T	575	RGZEESDX	Ball	1LE29824EB313AA3	15660	SA-7IEE	180.8	96.2	2035	✓

Introduction

General Purpose HIGH EFFICIENT

Severe Duty HIGH EFFICIENT

Multi-Speed HIGH EFFICIENT

Hazardous Duty HIGH EFFICIENT

Definite Purpose HIGH EFFICIENT

P-Base Vertical HIGH EFFICIENT

General Purpose NEMA PREMIUM

Severe Duty NEMA PREMIUM

Severe Duty / IEEE 841 - TEFC Motors

SD100 IEEE841 / RGZEESDX

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													
HIGH EFFICIENT General Purpose	200	1200	449T	460	RGZEESDX	Roller	1LE29824CC512AA3	18832	SA-7IEE	227	95.8	2425	✓
	200	1200	449T	575	RGZEESDX	Roller	1LE29824CC513AA3	18832	SA-7IEE	181.6	95.8	2425	✓
	200	1200	449TS	460	RGZEESDX	Ball	1LE29824DC512AA3	18832	SA-7IEE	227	95.8	2425	✓
	200	1200	449TS	575	RGZEESDX	Ball	1LE29824DC513AA3	18832	SA-7IEE	181.6	95.8	2425	✓
HIGH EFFICIENT Severe Duty	200	1200	B449T	460	RGZEESDX	Ball	1LE29824EC512AA3	18832	SA-7IEE	227	95.8	2425	✓
	200	1200	B449T	575	RGZEESDX	Ball	1LE29824EC513AA3	18832	SA-7IEE	181.6	95.8	2425	✓
	200	900	S449LS	460	RGZEESDX	Roller	1LE29824FD112AA3	31275	SA-7IEE	240	94.5	3200	✓
	200	900	S449LS	575	RGZEESDX	Roller	1LE29824FD113AA3	31275	SA-7IEE	192	94.5	3200	✓
HIGH EFFICIENT Multi-Speed	250	3600	449TS	460	RGZEESDX	Ball	1LE29824DA512AA3	22840	SA-7IEE	269	95.8	2272	✓
	250	3600	449TS	575	RGZEESDX	Ball	1LE29824DA513AA3	22840	SA-7IEE	215.2	95.8	2272	✓
	250	1800	449T	460	RGZEESDX	Roller	1LE29824CB512AA3	19650	SA-7IEE	281	96.2	2425	✓
	250	1800	449T	575	RGZEESDX	Roller	1LE29824CB513AA3	19650	SA-7IEE	224.8	96.2	2425	✓
	250	1800	449TS	460	RGZEESDX	Ball	1LE29824DB512AA3	19650	SA-7IEE	281	96.2	2425	✓
	250	1800	449TS	575	RGZEESDX	Ball	1LE29824DB513AA3	19650	SA-7IEE	224.8	96.2	2425	✓
	250	1800	B449T	460	RGZEESDX	Ball	1LE29824EB512AA3	19650	SA-7IEE	281	96.2	2425	✓
	250	1800	B449T	575	RGZEESDX	Ball	1LE29824EB513AA3	19650	SA-7IEE	224.8	96.2	2425	✓
HIGH EFFICIENT Hazardous Duty	250	1200	449T	460	RGZEESDX	Roller	1LE29824CC612AA3	20490	SA-7IEE	281	95.8	2390	✓
	250	1200	449T	575	RGZEESDX	Roller	1LE29824CC613AA3	20490	SA-7IEE	224.8	95.8	2390	✓
	250	1200	449TS	460	RGZEESDX	Ball	1LE29824DC612AA3	20490	SA-7IEE	281	95.8	2390	✓
	250	1200	449TS	575	RGZEESDX	Ball	1LE29824DC613AA3	20490	SA-7IEE	224.8	95.8	2390	✓
	250	1200	B449T	460	RGZEESDX	Ball	1LE29824EC612AA3	20490	SA-7IEE	281	95.8	2390	✓
	250	1200	B449T	575	RGZEESDX	Ball	1LE29824EC613AA3	20490	SA-7IEE	224.8	95.8	2390	✓
	250	900	S449LS	460	RGZEESDX	Roller	1LE29824FD212AA3	33925	SA-7IEE	303	94.5	3220	✓
	250	900	S449LS	575	RGZEESDX	Roller	1LE29824FD213AA3	33925	SA-7IEE	242.4	94.5	3220	✓
HIGH EFFICIENT Definite Purpose	300	3600	449TS	460	RGZEESDX	Ball ¹	1LE29824DA612AA3	30830	SA-7IEE	323	95.8	2200	✓
	300	3600	449TS	575	RGZEESDX	Ball ¹	1LE29824DA613AA3	30830	SA-7IEE	258.4	95.8	2200	✓
	300	1800	S449LS	460	RGZEESDX	Roller ¹	1LE29824FB112AA3	28330	SA-7IEE	346	96.2	3130	✓
	300	1800	S449LS	575	RGZEESDX	Roller ¹	1LE29824FB113AA3	28330	SA-7IEE	276.8	96.2	3130	✓
	300	1800	S449SS	460	RGZEESDX	Ball ¹	1LE29824GB112AA3	28330	SA-7IEE	346	96.2	3130	✓
	300	1800	S449SS	575	RGZEESDX	Ball ¹	1LE29824GB113AA3	28330	SA-7IEE	276.8	96.2	3130	✓
	300	1200	S449LS	460	RGZEESDX	Roller ¹	1LE29824FC112AA3	37850	SA-7IEE	342	95.8	3240	✓
	300	1200	S449LS	575	RGZEESDX	Roller ¹	1LE29824FC113AA3	37850	SA-7IEE	273.6	95.8	3240	✓
HIGH EFFICIENT P-Base Vertical	350	3600	S449SS	460	RGZEESDX	Ball ¹	1LE29824GA112AA3	35040	SA-7IEE	372	95.8	2890	✓
	350	3600	S449SS	575	RGZEESDX	Ball ¹	1LE29824GA113AA3	35040	SA-7IEE	297.6	95.8	2890	✓
	350	1800	S449LS	460	RGZEESDX	Roller ¹	1LE29824FB212AA3	32450	SA-7IEE	392	96.2	3190	✓
	350	1800	S449LS	575	RGZEESDX	Roller ¹	1LE29824FB213AA3	32450	SA-7IEE	313.6	96.2	3190	✓
	350	1800	S449SS	460	RGZEESDX	Ball ¹	1LE29824GB212AA3	32450	SA-7IEE	392	96.2	3190	✓
	350	1800	S449SS	575	RGZEESDX	Ball ¹	1LE29824GB213AA3	32450	SA-7IEE	313.6	96.2	3190	✓
NEMA PREMIUM General Purpose	400	3600	S449SS	460	RGZEESDX	Ball ¹	1LE29824GA312AA3	39300	SA-7IEE	422	95.8	3065	✓
	400	3600	S449SS	575	RGZEESDX	Ball ¹	1LE29824GA313AA3	39300	SA-7IEE	337.6	95.8	3065	✓
	400	1800	S449LS	460	RGZEESDX	Roller ¹	1LE29824FB312AA3	36400	SA-7IEE	454	96.2	3240	✓
	400	1800	S449LS	575	RGZEESDX	Roller ¹	1LE29824FB313AA3	36400	SA-7IEE	363.2	96.2	3240	✓
	400	1800	S449SS	460	RGZEESDX	Ball ¹	1LE29824GB312AA3	36400	SA-7IEE	454	96.2	3240	✓
	400	1800	S449SS	575	RGZEESDX	Ball ¹	1LE29824GB313AA3	36400	SA-7IEE	363.2	96.2	3240	✓

¹CW rotation facing opposite drive end.