

SIMOTICS General purpose motors

GP100 (Cast iron frame)

GP100 general purpose TEFC motors are available in two configurations which exceed NEMA Premium® efficiency with our exclusive, leading-edge, die cast copper rotor design (143T-256T) or meet NEMA Premium® efficiency with our die cast aluminum rotor design (143T-449T). Either way, these motors significantly reduce operating costs and pay for themselves in a short time through energy savings. These industry workhorses are ideal for use in material handling, pump, fan, compressor and other industrial applications.

Performance specifications

- 1 to 200 HP
- 1.15 service factor, 40°C ambient
- 3600, 1800, 1200 or 900RPM
- 3 phase, 60 Hz;

208-230/460 V	FS 140 - 250
230/460V	FS 280 - 360
460V	100 - 200 HP
575V	1 - 200HP
- Meets or exceeds NEMA Premium® efficiency standards (EPAact efficiency for 900RPM Motors)
 - Class F insulation,
 - Class B temperature rise @ 1.0 S.F.
- NEMA Design B, Continuous Duty
- Meets IP54
- 143T through 449T frame
- Adjustable speed drive capability

VT 20:1	FS 140 - 440
CT 4:1	FS 140 - 440
CT 10:1	FS 140 - 250 (Cu)

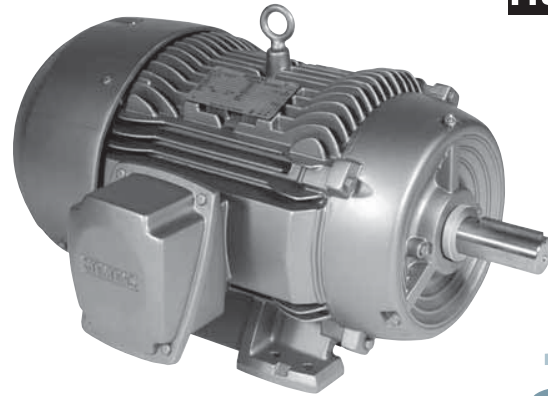
Features for long life

Frame and bearing housings – Cast iron construction for exceptional structural integrity, equipped with integrally cast feet. Condensation drain holes provided. Lifting eyebolts are included for frames 180T to 449T. Unique frame fin design maximizes cooling.

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 reduce losses and improve 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 NEMA Class F non-hygroscopic insulation system with Class B temperature rise @ 1.0 SF, provides an extra margin of thermal life. Varnish system application ensures maximum wire penetration to



NEMA Premium

18 MONTH WARRANTY

provide protection from moisture, corrosion and electrical surges. This insulation system meets or exceeds NEMA MG1-2006, Part 31, making all motors suitable for operation with adjustable frequency drives.

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

Bearings – Lubricated for life (FS 140-400), provisions for lubrication (FS 440), oversized, complete with external bearing protection.

Lubrication – Specially formulated, high temperature, polyurea based grease.

Conduit box – Oversized cast construction that is larger than industry standards, diagonally-split and rotatable in 90° increments for quick and easy connections.

Die Cast aluminum	FS 140 - 250
Steel	FS 280 - 400
Cast Iron	FS 440

A ground lug is included. Non-wicking, clearly and permanently marked leads.

Corrosion resistance – Cast iron construction, polycarbonate fan, corrosion resistant hardware, epoxy enamel paint resist rust and corrosion.

Modifiable and custom – Siemens SIMOTICS motors are available with a wide variety of **QuikMOD** modifications and custom designs to meet your specific motor needs.



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SIMOTICS General purpose motors

GP100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

460V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	3600	143T	208-230/460	GP100	1LE22211AA114AA3	454	GP2	1.4	82.5	60	✓
1	1800	143T	208-230/460	GP100	1LE22211AB214AA3	454	GP2	1.4	85.5	62	✓
1	1200	145T	208-230/460	GP100	1LE22211AC314AA3	563	GP2	1.6	82.5	64	✓
1	900	182T	208-230/460	GP100	1LE22211CD114AA3	682	GP2	2.1	74.0	86	✓
1.5	3600	143T	208-230/460	GP100	1LE22211AA214AA3	466	GP2	2.0	84.0	56	✓
1.5	1800	145T	208-230/460	GP100	1LE22211AB314AA3	500	GP2	2.1	86.5	66	✓
1.5	1200	182T	208-230/460	GP100	1LE22211CC114AA3	602	GP2	2.4	87.5	93	✓
1.5	900	184T	208-230/460	GP100	1LE22211CD314AA3	741	GP2	3.0	77.0	99	✓
2	3600	145T	208-230/460	GP100	1LE22211AA314AA3	540	GP2	2.5	85.5	59	✓
2	1800	145T	208-230/460	GP100	1LE22211AB414AA3	542	GP2	2.8	86.5	66	✓
2	1200	184T	208-230/460	GP100	1LE22211CC314AA3	666	GP2	3.2	88.5	102	✓
2	900	213T	208-230/460	GP100	1LE22212AD114AA3	852	GP2	3.3	82.5	123	✓
3	3600	182T	208-230/460	GP100	1LE22211CA114AA3	602	GP2	3.8	86.5	87	✓
3	1800	182T	208-230/460	GP100	1LE22211CB114AA3	623	GP2	4.0	89.5	98	✓
3	1200	213T	208-230/460	GP100	1LE22212AC114AA3	857	GP2	4.3	89.5	144	✓
3	900	215T	208-230/460	GP100	1LE22212AD214AA3	1222	GP2	4.8	84.0	138	✓
5	3600	184T	208-230/460	GP100	1LE22211CA314AA3	784	GP2	6.0	88.5	98	✓
5	1800	184T	208-230/460	GP100	1LE22211CB314AA3	709	GP2	6.5	89.5	104	✓
5	1200	215T	208-230/460	GP100	1LE22212AC214AA3	1277	GP2	6.7	89.5	156	✓
5	900	254T	208-230/460	GP100	1LE22212BD114AA3	1774	GP2	8.8	85.5	218	✓
7.5	3600	213T	208-230/460	GP100	1LE22212AA114AA3	1025	GP2	8.8	89.5	148	✓
7.5	1800	213T	208-230/460	GP100	1LE22212AB114AA3	994	GP2	9.7	91.7	171	✓
7.5	1200	254T	208-230/460	GP100	1LE22212BC114AA3	1630	GP2	10.0	91.0	262	✓
7.5	900	256T	208-230/460	GP100	1LE22212BD214AA3	1787	GP2	13.0	85.5	250	✓
10	3600	215T	208-230/460	GP100	1LE22212AA214AA3	1209	GP2	11.5	90.2	163	✓
10	1800	215T	208-230/460	GP100	1LE22212AB214AA3	1209	GP2	12.5	91.7	177	✓
10	1200	256T	208-230/460	GP100	1LE22212BC214AA3	1918	GP2	13.5	91.0	259	✓
10	900	284T	230/460	GP100	1LE22212CD116AA3	2569	GP2	17.0	90.2	414	
15	3600	254T	208-230/460	GP100	1LE22212BA114AA3	1581	GP2	17.5	91.0	258	✓
15	1800	254T	208-230/460	GP100	1LE22212BB114AA3	1542	GP2	19.0	92.4	259	✓
15	1200	284T	230/460	GP100	1LE22212CC116AA3	2510	GP2	21.0	91.7	409	✓
15	900	286T	230/460	GP100	1LE22212CD216AA3	3051	GP2	23.0	91.0	459	
20	3600	256T	208-230/460	GP100	1LE22212BA214AA3	1955	GP2	22.5	91.0	293	✓
20	1800	256T	208-230/460	GP100	1LE22212BB214AA3	1857	GP2	25.0	93.0	292	✓
20	1200	286T	230/460	GP100	1LE22212CC216AA3	2956	GP2	27.0	91.7	434	✓
20	900	324T	230/460	GP100	1LE22213AD116AA3	3664	GP2	32.0	91.0	616	
25	3600	284TS	230/460	GP100	1LE22212DA116AA3	2268	GP2	29.0	91.7	454	✓
25	1800	284T	230/460	GP100	1LE22212CB116AA3	2164	GP2	30.0	93.6	429	✓
25	1200	324T	230/460	GP100	1LE22213AC116AA3	3565	GP2	33.0	93.0	633	✓
25	900	326T	230/460	GP100	1LE22213AD216AA3	4242	GP2	40.0	91.0	663	
30	3600	286TS	230/460	GP100	1LE22212DA216AA3	2751	GP2	34.0	91.7	424	✓
30	1800	286T	230/460	GP100	1LE22212CB216AA3	2616	GP2	35.0	93.6	449	✓
30	1200	326T	230/460	GP100	1LE22213AC216AA3	4387	GP2	39.0	93.0	658	✓
30	900	364T	230/460	GP100	1LE22213CD116AA3	5449	GP2	47.0	91.7	854	

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DOE#CC 032A

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GP100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

460V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
40	3600	324TS	230/460	GP100	1LE22213BA116AA3	3679	GP2	45.0	93.6	608	✓
40	1800	324T	230/460	GP100	1LE22213AB116AA3	3522	GP2	46.0	94.1	633	✓
40	1200	364T	230/460	GP100	1LE22213CC116AA3	6032	GP2	49.0	94.1	828	✓
40	900	365T	230/460	GP100	1LE22213CD216AA3	6436	GP2	63.0	91.7	950	
50	3600	326TS	230/460	GP100	1LE22213BA216AA3	4871	GP2	55.0	93.6	593	
50	1800	326T	230/460	GP100	1LE22213AB216AA3	4428	GP2	58.0	94.5	668	
50	1200	365T	230/460	GP100	1LE22213CC216AA3	7088	GP2	62.0	94.1	863	
60	3600	364TS	230/460	GP100	1LE22213DA116AA3	5675	GP2	68.0	93.6	780	
60	1800	364T	230/460	GP100	1LE22213CB116AA3	5625	GP2	68.0	95.0	880	
60	1200	404T	230/460	GP100	1LE22214AC116AA3	7354	GP2	74.0	94.5	1047	
75	3600	365TS	230/460	GP100	1LE22213DA216AA3	7091	GP2	86.0	94.1	888	
75	1800	365T	230/460	GP100	1LE22213CB216AA3	7096	GP2	85.0	95.4	950	
75	1200	405T	230/460	GP100	1LE22214AC216AA3	8615	GP2	93.0	94.5	1117	
100	3600	405TS	460	GP100	1LE22214BA212AA3	10347	GP2	108.0	94.1	1012	
100	1800	405T	460	GP100	1LE22214AB212AA3	9547	GP2	113.0	95.4	1107	
100	1800	405TS	460	GP100	1LE22214BB212AA3	9547	GP2	113.0	95.4	1107	
100	1200	444T	460	GP100	1LE22214CC112AA3	12821	GP2	117.0	95.0	1531	
100	1200	444TS	460	GP100	1LE22214DC112AA3	12821	GP2	117.0	95.0	1467	
125	3600	444TS	460	GP100	1LE22214DA112AA3	12831	GP2	138.0	95.0	1381	
125	1800	444T	460	GP100	1LE22214CB112AA3	11924	GP2	143.0	95.4	1590	
125	1800	444T	460	GP100	1LE22214EB112AA3	11924	GP2	143.0	95.4	1552	
125	1800	444TS	460	GP100	1LE22214DB112AA3	11924	GP2	143.0	95.4	1552	
125	1200	445T	460	GP100	1LE22214CC212AA3	14942	GP2	144.0	95.0	1702	
125	1200	445T	460	GP100	1LE22214EC212AA3	14942	GP2	144.0	95.0	1664	
125	1200	445TS	460	GP100	1LE22214DC212AA3	14942	GP2	115.0	95.0	1647	
150	3600	445TS	460	GP100	1LE22214DA212AA3	15967	GP2	131.0	95.0	1542	
150	1800	445T	460	GP100	1LE22214CB212AA3	14359	GP2	170.0	95.8	1865	
150	1800	445T	460	GP100	1LE22214EB212AA3	14359	GP2	170.0	95.8	1827	
150	1800	445TS	460	GP100	1LE22214DB212AA3	14359	GP2	136.0	95.8	1637	
150	1200	447T	460	GP100	1LE22214CC312AA3	17317	GP2	172.0	95.8	1960	
150	1200	447T	460	GP100	1LE22214EC312AA3	17317	GP2	172.0	95.8	1922	
150	1200	447TS	460	GP100	1LE22214DC312AA3	17317	GP2	138.0	95.8	1897	
200	3600	447TS	460	GP100	1LE22214DA312AA3	22239	GP2	173.0	95.4	2182	
200	1800	447T	460	GP100	1LE22214CB312AA3	19230	GP2	228.0	96.2	2245	
200	1800	447T	460	GP100	1LE22214EB312AA3	19230	GP2	228.0	96.2	2207	
200	1800	447TS	460	GP100	1LE22214DB312AA3	19230	GP2	182.0	96.2	2182	
200	1200	449T	460	GP100	1LE22214CC512AA3	23340	GP2	227.0	95.8	2301	
200	1200	449T	460	GP100	1LE22214EC512AA3	23340	GP2	227.0	95.8	2263	
200	1200	449TS	460	GP100	1LE22214DC512AA3	23340	GP2	182.0	95.8	2240	

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Shaded ratings indicated roller bearings.

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900 RPM Motors meet or exceed EPA efficiency.
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SIMOTICS General purpose motors

GP100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

460V 60Hz – C-face foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom. Eff.(%)	Lbs	Stock
1	3600	143TC	208-230/460	GP100	1LE22211AA114EA3	560	GP2	1.4	82.5	60	✓
1	1800	143TC	208-230/460	GP100	1LE22211AB214EA3	560	GP2	1.4	85.5	62	✓
1	1200	145TC	208-230/460	GP100	1LE22211AC314EA3	673	GP2	1.6	82.5	64	✓
1	900	182TC	208-230/460	GP100	1LE22211CD114EA3	838	GP2	2.1	74.0	86	✓
1.5	3600	143TC	208-230/460	GP100	1LE22211AA214EA3	573	GP2	2.0	84.0	56	✓
1.5	1800	145TC	208-230/460	GP100	1LE22211AB314EA3	608	GP2	2.1	86.5	66	✓
1.5	1200	182TC	208-230/460	GP100	1LE22211CC114EA3	756	GP2	2.4	87.5	93	✓
1.5	900	184TC	208-230/460	GP100	1LE22211CD314EA3	899	GP2	3.0	77.0	99	✓
2	3600	145TC	208-230/460	GP100	1LE22211AA314EA3	649	GP2	2.5	85.5	59	✓
2	1800	145TC	208-230/460	GP100	1LE22211AB414EA3	651	GP2	2.8	86.5	66	✓
2	1200	184TC	208-230/460	GP100	1LE22211CC314EA3	822	GP2	3.2	88.5	102	✓
2	900	213TC	208-230/460	GP100	1LE22212AD114EA3	1014	GP2	3.3	82.5	123	✓
3	3600	182TC	208-230/460	GP100	1LE22211CA114EA3	756	GP2	3.8	86.5	87	✓
3	1800	182TC	208-230/460	GP100	1LE22211CB114EA3	778	GP2	4.0	89.5	98	✓
3	1200	213TC	208-230/460	GP100	1LE22212AC114EA3	1019	GP2	4.3	89.5	144	✓
3	900	215TC	208-230/460	GP100	1LE22212AD214EA3	1395	GP2	4.8	84.0	138	✓
5	3600	184TC	208-230/460	GP100	1LE22211CA314EA3	943	GP2	6.0	88.5	98	✓
5	1800	184TC	208-230/460	GP100	1LE22211CB314EA3	866	GP2	6.5	89.5	104	✓
5	1200	215TC	208-230/460	GP100	1LE22212AC214EA3	1451	GP2	6.7	89.5	156	✓
5	900	254TC	208-230/460	GP100	1LE22212BD114EA3	2013	GP2	8.8	85.5	218	✓
7.5	3600	213TC	208-230/460	GP100	1LE22212AA114EA3	1192	GP2	8.8	89.5	148	✓
7.5	1800	213TC	208-230/460	GP100	1LE22212AB114EA3	1160	GP2	9.7	91.7	171	✓
7.5	1200	254TC	208-230/460	GP100	1LE22212BC114EA3	1864	GP2	10.0	91.0	262	✓
7.5	900	256TC	208-230/460	GP100	1LE22212BD214EA3	2026	GP2	13.0	85.5	250	✓
10	3600	215TC	208-230/460	GP100	1LE22212AA214EA3	1381	GP2	11.5	90.2	163	✓
10	1800	215TC	208-230/460	GP100	1LE22212AB214EA3	1381	GP2	12.5	91.7	177	✓
10	1200	256TC	208-230/460	GP100	1LE22212BC214EA3	2161	GP2	13.5	91.0	259	✓
15	3600	254TC	208-230/460	GP100	1LE22212BA114EA3	1814	GP2	17.5	91.0	258	✓
15	1800	254TC	208-230/460	GP100	1LE22212BB114EA3	1774	GP2	19.0	92.4	259	✓
20	3600	256TC	208-230/460	GP100	1LE22212BA214EA3	2199	GP2	22.5	91.0	293	✓
20	1800	256TC	208-230/460	GP100	1LE22212BB214EA3	2098	GP2	25.0	93.0	292	✓

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460V 60Hz – C-face footless

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	3600	143TC	208-230/460	GP100	1LE22211AA114GA3	544	GP2	1.4	82.5	60	✓
1	1800	143TC	208-230/460	GP100	1LE22211AB214GA3	544	GP2	1.4	85.5	62	✓
1	1200	145TC	208-230/460	GP100	1LE22211AC314GA3	653	GP2	1.6	82.5	64	✓
1	900	182TC	208-230/460	GP100	1LE22211CD114GA3	814	GP2	2.1	74.0	86	✓
1.5	3600	143TC	208-230/460	GP100	1LE22211AA214GA3	556	GP2	2.0	84.0	56	✓
1.5	1800	145TC	208-230/460	GP100	1LE22211AB314GA3	590	GP2	2.1	86.5	66	✓
1.5	1200	182TC	208-230/460	GP100	1LE22211CC114GA3	734	GP2	2.4	87.5	93	✓
1.5	900	184TC	208-230/460	GP100	1LE22211CD314GA3	873	GP2	3.0	77.0	99	✓
2	3600	145TC	208-230/460	GP100	1LE22211AA314GA3	630	GP2	2.5	85.5	59	✓
2	1800	145TC	208-230/460	GP100	1LE22211AB414GA3	632	GP2	2.8	86.5	66	✓
2	1200	184TC	208-230/460	GP100	1LE22211CC314GA3	798	GP2	3.2	88.5	102	✓
2	900	213TC	208-230/460	GP100	1LE22212AD114GA3	984	GP2	3.3	82.5	123	✓
3	3600	182TC	208-230/460	GP100	1LE22211CA114GA3	734	GP2	3.8	86.5	87	✓
3	1800	182TC	208-230/460	GP100	1LE22211CB114GA3	755	GP2	4.0	89.5	98	✓
3	1200	213TC	208-230/460	GP100	1LE22212AC114GA3	989	GP2	4.3	89.5	144	✓
3	900	215TC	208-230/460	GP100	1LE22212AD214GA3	1354	GP2	4.8	84.0	138	✓
5	3600	184TC	208-230/460	GP100	1LE22211CA314GA3	916	GP2	6.0	88.5	98	✓
5	1800	184TC	208-230/460	GP100	1LE22211CB314GA3	841	GP2	6.5	89.5	104	✓
5	1200	215TC	208-230/460	GP100	1LE22212AC214GA3	1409	GP2	6.7	89.5	156	✓
5	900	254TC	208-230/460	GP100	1LE22212BD114GA3	1954	GP2	8.8	85.5	218	✓
7.5	3600	213TC	208-230/460	GP100	1LE22212AA114GA3	1157	GP2	8.8	89.5	148	✓
7.5	1800	213TC	208-230/460	GP100	1LE22212AB114GA3	1126	GP2	9.7	91.7	171	✓
7.5	1200	254TC	208-230/460	GP100	1LE22212BC114GA3	1810	GP2	10.0	91.0	262	✓
7.5	900	256TC	208-230/460	GP100	1LE22212BD214GA3	1967	GP2	13.0	85.5	250	✓
10	3600	215TC	208-230/460	GP100	1LE22212AA214GA3	1341	GP2	11.5	90.2	163	✓
10	1800	215TC	208-230/460	GP100	1LE22212AB214GA3	1341	GP2	12.5	91.7	177	✓
10	1200	256TC	208-230/460	GP100	1LE22212BC214GA3	2098	GP2	13.5	91.0	259	✓
15	3600	254TC	208-230/460	GP100	1LE22212BA114GA3	1761	GP2	17.5	91.0	258	✓
15	1800	254TC	208-230/460	GP100	1LE22212BB114GA3	1722	GP2	19.0	92.4	259	✓
20	3600	256TC	208-230/460	GP100	1LE22212BA214GA3	2135	GP2	22.5	91.0	293	✓
20	1800	256TC	208-230/460	GP100	1LE22212BB214GA3	2037	GP2	25.0	93.0	292	✓

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NEMA Premium®
Die cast aluminum rotor

575V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	3600	143T	575	GP100	1LE22211AA113AA3	454	GP2	1.1	82.5	60	✓
1	1800	143T	575	GP100	1LE22211AB213AA3	454	GP2	1.1	85.5	62	✓
1	1200	145T	575	GP100	1LE22211AC313AA3	563	GP2	1.3	82.5	64	✓
1	900	182T	575	GP100	1LE22211CD113AA3	682	GP2	2.1	74.0	86	✓
1.5	3600	143T	575	GP100	1LE22211AA213AA3	466	GP2	1.6	84.0	56	✓
1.5	1800	145T	575	GP100	1LE22211AB313AA3	500	GP2	1.7	86.5	66	✓
1.5	1200	182T	575	GP100	1LE22211CC113AA3	602	GP2	1.9	87.5	93	✓
1.5	900	184T	575	GP100	1LE22211CD313AA3	852	GP2	3.0	77.0	99	✓
2	3600	145T	575	GP100	1LE22211AA313AA3	540	GP2	2.0	85.5	59	✓
2	1800	145T	575	GP100	1LE22211AB413AA3	542	GP2	2.2	86.5	66	✓
2	1200	184T	575	GP100	1LE22211CC313AA3	666	GP2	2.6	88.5	102	✓
2	900	213T	575	GP100	1LE22212AD113AA3	852	GP2	3.3	82.5	123	✓
3	3600	182T	575	GP100	1LE22211CA113AA3	602	GP2	3.0	86.5	87	✓
3	1800	182T	575	GP100	1LE22211CB113AA3	623	GP2	3.2	89.5	98	✓
3	1200	213T	575	GP100	1LE22212AC113AA3	857	GP2	3.4	89.5	144	✓
3	900	215T	575	GP100	1LE22212AD213AA3	1222	GP2	4.8	84.0	138	✓
5	3600	184T	575	GP100	1LE22211CA313AA3	784	GP2	4.8	88.5	98	✓
5	1800	184T	575	GP100	1LE22211CB313AA3	709	GP2	5.2	89.5	104	
5	1200	215T	575	GP100	1LE22212AC213AA3	1277	GP2	5.4	89.5	156	✓
5	900	254T	575	GP100	1LE22212BD113AA3	1774	GP2	8.8	85.5	218	✓
7.5	3600	213T	575	GP100	1LE22212AA113AA3	1025	GP2	7.0	89.5	148	✓
7.5	1800	213T	575	GP100	1LE22212AB113AA3	994	GP2	7.8	91.7	171	✓
7.5	1200	254T	575	GP100	1LE22212BC113AA3	1630	GP2	8.0	91.0	262	✓
7.5	900	256T	575	GP100	1LE22212BD213AA3	1787	GP2	13.0	85.0	250	✓
10	3600	215T	575	GP100	1LE22212AA213AA3	1209	GP2	9.2	90.2	163	✓
10	1800	215T	575	GP100	1LE22212AB213AA3	1209	GP2	10.0	91.7	177	✓
10	1200	256T	575	GP100	1LE22212BC213AA3	1918	GP2	11.0	91.0	259	✓
10	900	284T	575	GP100	1LE22212CD113AA3	2569	GP2	14.0	90.2	414	
15	3600	254T	575	GP100	1LE22212BA113AA3	1581	GP2	14.0	91.0	258	✓
15	1800	254T	575	GP100	1LE22212BB113AA3	1542	GP2	15.0	92.4	259	✓
15	1200	284T	575	GP100	1LE22212CC113AA3	2510	GP2	17.0	91.7	409	
15	900	286T	575	GP100	1LE22212CD213AA3	3051	GP2	18.5	91.0	459	
20	3600	256T	575	GP100	1LE22212BA213AA3	1955	GP2	18.0	91.0	293	✓
20	1800	256T	575	GP100	1LE22212BB213AA3	1857	GP2	20.0	93.0	292	✓
20	1200	286T	575	GP100	1LE22212CC213AA3	2956	GP2	21.5	91.7	434	
20	900	324T	575	GP100	1LE22213AD113AA3	3664	GP2	25.0	91.0	616	
25	3600	284TS	575	GP100	1LE22212DA113AA3	2268	GP2	23.0	91.7	454	
25	1800	284T	575	GP100	1LE22212CB113AA3	2164	GP2	24.0	93.6	429	
25	1200	324T	575	GP100	1LE22213AC113AA3	3565	GP2	26.0	93.0	633	
25	900	326T	575	GP100	1LE22213AD213AA3	4242	GP2	32.0	91.0	663	
30	3600	286TS	575	GP100	1LE22212DA213AA3	2751	GP2	27.0	91.7	424	
30	1800	286T	575	GP100	1LE22212CB213AA3	2616	GP2	28.0	93.6	449	
30	1200	326T	575	GP100	1LE22213AC213AA3	4387	GP2	31.0	93.0	658	
30	900	364T	575	GP100	1LE22213CD113AA3	5449	GP2	37.5	91.0	854	

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SIMOTICS General purpose motors

GP100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

575V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
40	3600	324TS	575	GP100	1LE22213BA113AA3	3679	GP2	36.0	93.6	608	
40	1800	324T	575	GP100	1LE22213AB113AA3	3522	GP2	37.0	94.1	633	
40	1200	364T	575	GP100	1LE22213CC113AA3	6032	GP2	39.0	94.1	828	
40	900	365T	575	GP100	1LE22213CD213AA3	6436	GP2	51.0	91.7	950	
50	3600	326TS	575	GP100	1LE22213BA213AA3	4871	GP2	44.0	93.6	539	
50	1800	326T	575	GP100	1LE22213AB213AA3	4428	GP2	46.0	94.5	668	
50	1200	365T	575	GP100	1LE22213CC213AA3	7088	GP2	50.0	94.1	863	
60	3600	364TS	575	GP100	1LE22213DA113AA3	5675	GP2	54.5	93.6	780	
60	1800	364T	575	GP100	1LE22213CB113AA3	5625	GP2	54.5	95.0	880	
60	1200	404T	575	GP100	1LE22214AC113AA3	7354	GP2	59.0	94.5	1047	
75	3600	365TS	575	GP100	1LE22213DA213AA3	7091	GP2	69.0	94.1	888	
75	1800	365T	575	GP100	1LE22213CB213AA3	7096	GP2	68.0	95.4	950	
75	1200	405T	575	GP100	1LE22214AC213AA3	8615	GP2	75.0	94.5	1117	
100	3600	405TS	575	GP100	1LE22214BA213AA3	10347	GP2	87.0	94.1	1012	
100	1800	405T	575	GP100	1LE22214AB213AA3	9547	GP2	90.5	95.4	1107	
100	1200	444T	575	GP100	1LE22214CC113AA3	12821	GP2	94.0	95.0	1531	
125	3600	444TS	575	GP100	1LE22214DA113AA3	12831	GP2	110.0	95.0	1381	
125	1800	444T	575	GP100	1LE22214CB113AA3	11924	GP2	115.0	95.4	1527	
125	1800	444T	575	GP100	1LE22214EB113AA3	11924	GP2	115.0	95.4	1552	
125	1800	444TS	575	GP100	1LE22214DB113AA3	11924	GP2	144.0	95.4	1527	
125	1200	445T	575	GP100	1LE22214CC213AA3	14942	GP2	115.0	95.0	1702	
125	1200	445T	575	GP100	1LE22214EC213AA3	14942	GP2	115.0	95.0	1664	
125	1200	445TS	575	GP100	1LE22214DC213AA3	14942	GP2	164.0	95.0	1647	
150	3600	445TS	575	GP100	1LE22214DA213AA3	15967	GP2	170.0	95.0	1542	
150	1800	445T	575	GP100	1LE22214CB213AA3	14359	GP2	136.0	95.8	1865	
150	1800	445T	575	GP100	1LE22214EB213AA3	14359	GP2	136.0	95.8	1827	
150	1800	445TS	575	GP100	1LE22214DB213AA3	14359	GP2	172.0	95.8	1637	
150	1200	447T	575	GP100	1LE22214CC313AA3	17317	GP2	138.0	95.8	1960	
150	1200	447T	575	GP100	1LE22214EC313AA3	17317	GP2	138.0	95.8	1922	
150	1200	447TS	575	GP100	1LE22214DC313AA3	17317	GP2	216.0	95.8	1867	
200	3600	447TS	575	GP100	1LE22214DA313AA3	22239	GP2	228.0	95.4	2182	
200	1800	447T	575	GP100	1LE22214CB313AA3	19230	GP2	182.0	96.2	2245	
200	1800	447T	575	GP100	1LE22214EB313AA3	19230	GP2	182.0	96.2	2207	
200	1800	447TS	575	GP100	1LE22214DB313AA3	19230	GP2	227.0	96.2	2182	
200	1200	449T	575	GP100	1LE22214CC513AA3	23340	GP2	182.0	95.8	2301	
200	1200	449T	575	GP100	1LE22214EC513AA3	23340	GP2	182.0	95.8	2263	
200	1200	449TS	575	GP100	1LE22214DC513AA3	23340	GP2	182.0	95.8	2240	

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DOE#CC032A

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SIMOTICS General purpose motors

GP100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

575V 60Hz – C-face foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	3600	143TC	575	GP100	1LE22211AA113EA3	560	GP2	1.1	82.5	60	
1	1800	143TC	575	GP100	1LE22211AB213EA3	560	GP2	1.1	85.5	62	
1	1200	145TC	575	GP100	1LE22211AC313EA3	673	GP2	1.3	82.5	64	
1	900	182TC	575	GP100	1LE22211CD113EA3	838	GP2	1.6	74.0	86	
1.5	3600	143TC	575	GP100	1LE22211AA213EA3	573	GP2	1.6	84.0	56	
1.5	1800	145TC	575	GP100	1LE22211AB313EA3	608	GP2	1.7	86.5	66	
1.5	1200	182TC	575	GP100	1LE22211CC113EA3	756	GP2	1.9	87.5	93	
1.5	900	184TC	575	GP100	1LE22211CD313EA3	899	GP2	2.4	77.0	99	
2	3600	145TC	575	GP100	1LE22211AA313EA3	649	GP2	2.0	85.5	59	
2	1800	145TC	575	GP100	1LE22211AB413EA3	651	GP2	2.2	86.5	66	
2	1200	184TC	575	GP100	1LE22211CC313EA3	822	GP2	2.6	88.5	102	
2	900	213TC	575	GP100	1LE22212AD113EA3	1014	GP2	2.6	82.5	123	
3	3600	182TC	575	GP100	1LE22211CA113EA3	756	GP2	3.0	86.5	87	
3	1800	182TC	575	GP100	1LE22211CB113EA3	778	GP2	3.2	89.5	98	
3	1200	213TC	575	GP100	1LE22212AC113EA3	1019	GP2	3.4	89.5	144	
3	900	215TC	575	GP100	1LE22212AD213EA3	1395	GP2	3.8	84.0	138	
5	3600	184TC	575	GP100	1LE22211CA313EA3	943	GP2	4.8	88.5	98	
5	1800	184TC	575	GP100	1LE22211CB313EA3	866	GP2	5.2	89.5	104	
5	1200	215TC	575	GP100	1LE22212AC213EA3	1451	GP2	5.4	89.5	156	
5	900	254TC	575	GP100	1LE22212BD113EA3	2013	GP2	7.0	85.5	218	
7.5	3600	213TC	575	GP100	1LE22212AA113EA3	1192	GP2	7.0	89.5	148	
7.5	1800	213TC	575	GP100	1LE22212AB113EA3	1160	GP2	7.8	91.7	171	
7.5	1200	254TC	575	GP100	1LE22212BC113EA3	1864	GP2	8.0	91.0	262	
7.5	900	256TC	575	GP100	1LE22212BD213EA3	2026	GP2	10.4	85.5	250	
10	3600	215TC	575	GP100	1LE22212AA213EA3	1381	GP2	9.2	90.2	163	
10	1800	215TC	575	GP100	1LE22212AB213EA3	1381	GP2	10.0	91.7	177	
10	1200	256TC	575	GP100	1LE22212BC213EA3	2161	GP2	11.0	91.0	259	
15	3600	254TC	575	GP100	1LE22212BA113EA3	1814	GP2	14.0	91.0	258	
15	1800	254TC	575	GP100	1LE22212BB113EA3	1774	GP2	15.0	92.4	259	
20	3600	256TC	575	GP100	1LE22212BA213EA3	2199	GP2	18.0	91.0	293	
20	1800	256TC	575	GP100	1LE22212BB213EA3	2098	GP2	20.0	93.0	292	

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SIMOTICS General purpose motors

GP100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

575V 60Hz – C-face footless

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	3600	143TC	575	GP100	1LE22211AA113GA3	544	GP2	1.1	82.5	60	
1	1800	143TC	575	GP100	1LE22211AB213GA3	544	GP2	1.1	85.5	62	
1	1200	145TC	575	GP100	1LE22211AC313GA3	653	GP2	1.3	82.5	64	
1	900	182TC	575	GP100	1LE22211CD113GA3	814	GP2	1.6	74.0	86	
1.5	3600	143TC	575	GP100	1LE22211AA213GA3	556	GP2	1.6	84.0	56	
1.5	1800	145TC	575	GP100	1LE22211AB313GA3	590	GP2	1.7	86.5	66	
1.5	1200	182TC	575	GP100	1LE22211CC113GA3	734	GP2	1.9	87.5	93	
1.5	900	184TC	575	GP100	1LE22211CD313GA3	873	GP2	2.4	77.0	99	
2	3600	145TC	575	GP100	1LE22211AA313GA3	630	GP2	2.0	85.5	59	
2	1800	145TC	575	GP100	1LE22211AB413GA3	632	GP2	2.2	86.5	66	
2	1200	184TC	575	GP100	1LE22211CC313GA3	798	GP2	2.6	88.5	102	
2	900	213TC	575	GP100	1LE22212AD113GA3	984	GP2	2.6	82.5	123	
3	3600	182TC	575	GP100	1LE22211CA113GA3	734	GP2	3.0	86.5	87	
3	1800	182TC	575	GP100	1LE22211CB113GA3	755	GP2	3.2	89.5	98	
3	1200	213TC	575	GP100	1LE22212AC113GA3	989	GP2	3.4	89.5	144	
3	900	215TC	575	GP100	1LE22212AD213GA3	1354	GP2	3.8	84.0	138	
5	3600	184TC	575	GP100	1LE22211CA313GA3	916	GP2	4.8	88.5	98	
5	1800	184TC	575	GP100	1LE22211CB313GA3	841	GP2	5.2	89.5	104	
5	1200	215TC	575	GP100	1LE22212AC213GA3	1409	GP2	5.4	89.5	156	
5	900	254TC	575	GP100	1LE22212BD113GA3	1954	GP2	7.0	85.5	218	
7.5	3600	213TC	575	GP100	1LE22212AA113GA3	1157	GP2	7.0	89.5	148	
7.5	1800	213TC	575	GP100	1LE22212AB113GA3	1126	GP2	7.8	91.7	171	
7.5	1200	254TC	575	GP100	1LE22212BC113GA3	1810	GP2	8.0	91.0	262	
7.5	900	256TC	575	GP100	1LE22212BD213GA3	1967	GP2	10.4	85.5	250	
10	3600	215TC	575	GP100	1LE22212AA213GA3	1341	GP2	9.2	90.2	163	
10	1800	215TC	575	GP100	1LE22212AB213GA3	1341	GP2	10.0	91.7	177	
10	1200	256TC	575	GP100	1LE22212BC213GA3	2098	GP2	11.0	91.0	259	
15	3600	254TC	575	GP100	1LE22212BA113GA3	1761	GP2	14.0	91.0	258	
15	1800	254TC	575	GP100	1LE22212BB113GA3	1722	GP2	15.0	92.4	259	
20	3600	256TC	575	GP100	1LE22212BA213GA3	2135	GP2	18.0	91.0	293	
20	1800	256TC	575	GP100	1LE22212BB213GA3	2037	GP2	20.0	93.0	292	

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SIMOTICS General purpose motors

GP100 (Cast iron frame)

NEMA Premium®
Die cast copper rotor

460V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	1800	143T	208-230/460	GP100	1LE22111AB214AA3	505	GP2	1.5	86.5	67	✓
1	1200	145T	208-230/460	GP100	1LE22111AC314AA3	628	GP2	1.6	84.0	67	✓
1.5	3600	143T	208-230/460	GP100	1LE22111AA214AA3	519	GP2	1.9	87.5	65	✓
1.5	1800	145T	208-230/460	GP100	1LE22111AB314AA3	556	GP2	2.1	87.5	67	✓
2.0	3600	145T	208-230/460	GP100	1LE22111AA314AA3	602	GP2	2.6	88.5	66	✓
2	1800	145T	208-230/460	GP100	1LE22111AB414AA3	604	GP2	2.8	87.5	68	✓
3	3600	182T	208-230/460	GP100	1LE22111CA114AA3	672	GP2	3.8	89.5	101	✓
3	1800	182T	208-230/460	GP100	1LE22111CB114AA3	695	GP2	4.0	90.2	105	✓
3	1200	213T	208-230/460	GP100	1LE22112AC114AA3	955	GP2	4.3	90.2	150	✓
5	3600	184T	208-230/460	GP100	1LE22111CA314AA3	874	GP2	6.2	90.2	103	✓
5	1800	184T	208-230/460	GP100	1LE22111CB314AA3	791	GP2	6.7	90.2	109	✓
5	1200	215T	208-230/460	GP100	1LE22112AC214AA3	1423	GP2	7.0	90.2	163	✓
7.5	3600	213T	208-230/460	GP100	1LE22112AA114AA3	1143	GP2	8.5	91.7	178	✓
7.5	1800	213T	208-230/460	GP100	1LE22112AB114AA3	1107	GP2	9.5	92.4	178	✓
7.5	1200	254T	208-230/460	GP100	1LE22112BC114AA3	1908	GP2	10.5	92.4	307	✓
10	3600	215T	208-230/460	GP100	1LE22112AA214AA3	1347	GP2	11.5	91.7	185	✓
10.0	1800	215T	208-230/460	GP100	1LE22112AB214AA3	1348	GP2	12.5	92.4	185	✓
10	1200	256T	208-230/460	GP100	1LE22112BC214AA3	2244	GP2	13.5	92.4	307	✓
15	3600	254T	208-230/460	GP100	1LE22112BA114AA3	1849	GP2	17.0	92.4	279	✓
15	1800	254T	208-230/460	GP100	1LE22112BB114AA3	1804	GP2	19.0	93.0	268	✓
20	3600	256T	208-230/460	GP100	1LE22112BA214AA3	2288	GP2	22.5	92.4	303	✓
20	1800	256T	208-230/460	GP100	1LE22112BB214AA3	2172	GP2	25.0	93.6	311	✓

SIMOTICS General purpose motors

GP100 (Cast iron frame)

NEMA Premium®
Die cast copper rotor

460V 60Hz – C-face footless

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	1800	143TC	208-230/460	GP100	1LE22111AB214GA3	595	GP2	1.5	86.5	67	✓
1	1200	145TC	208-230/460	GP100	1LE22111AC314GA3	718	GP2	1.6	84.0	67	✓
1.5	3600	143TC	208-230/460	GP100	1LE22111AA214GA3	609	GP2	1.9	87.5	65	✓
1.5	1800	145TC	208-230/460	GP100	1LE22111AB314GA3	646	GP2	2.1	87.5	67	✓
2	3600	145TC	208-230/460	GP100	1LE22111AA314GA3	692	GP2	2.6	88.5	66	✓
2	1800	145TC	208-230/460	GP100	1LE22111AB414GA3	694	GP2	2.8	87.5	68	✓
3	3600	182TC	208-230/460	GP100	1LE22111CA114GA3	804	GP2	3.8	89.5	101	✓
3	1800	182TC	208-230/460	GP100	1LE22111CB114GA3	827	GP2	4.0	90.2	105	✓
3	1200	213TC	208-230/460	GP100	1LE22112AC114GA3	1087	GP2	4.3	90.2	150	✓
5	3600	184TC	208-230/460	GP100	1LE22111CA314GA3	1006	GP2	6.2	90.2	103	✓
5.0	1800	184TC	208-230/460	GP100	1LE22111CB314GA3	923	GP2	6.7	90.2	109	✓
5	1200	215TC	208-230/460	GP100	1LE22112AC214GA3	1555	GP2	7.0	90.2	163	✓
7.5	3600	213TC	208-230/460	GP100	1LE22112AA114GA3	1275	GP2	8.5	91.7	178	✓
7.5	1800	213TC	208-230/460	GP100	1LE22112AB114GA3	1239	GP2	9.5	92.4	178	✓
7.5	1200	254TC	208-230/460	GP100	1LE22112BC114GA3	2088	GP2	10.5	92.4	307	✓
10	3600	215TC	208-230/460	GP100	1LE22112AA214GA3	1479	GP2	11.5	91.7	185	✓
10	1800	215TC	208-230/460	GP100	1LE22112AB214GA3	1480	GP2	12.5	92.4	185	✓
10	1200	256TC	208-230/460	GP100	1LE22112BC214GA3	2424	GP2	13.5	92.4	307	✓
15	3600	254TC	208-230/460	GP100	1LE22112BA114GA3	2029	GP2	17.0	92.4	279	✓
15	1800	254TC	208-230/460	GP100	1LE22112BB114GA3	1984	GP2	19.0	93.0	268	✓
20	3600	256TC	208-230/460	GP100	1LE22112BA214GA3	2468	GP2	22.5	92.4	303	✓
20	1800	256TC	208-230/460	GP100	1LE22112BB214GA3	2352	GP2	25.0	93.6	311	✓

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DOE#CC 032A

SIMOTICS General purpose motors

GP100 (Cast iron frame)

NEMA Premium®
Die cast copper rotor

575V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	1800	143T	575	GP100	1LE22111AB213AA3	505	GP2	1.2	86.5	67	
1	1200	145T	575	GP100	1LE22111AC313AA3	628	GP2	1.3	84.0	67	
1.5	3600	143T	575	GP100	1LE22111AA213AA3	519	GP2	1.5	87.5	65	
1.5	1800	145T	575	GP100	1LE22111AB313AA3	556	GP2	1.7	87.5	67	
2.0	3600	145T	575	GP100	1LE22111AA313AA3	602	GP2	2.1	88.5	66	
2	1800	145T	575	GP100	1LE22111AB413AA3	604	GP2	2.2	87.5	68	
3	3600	182T	575	GP100	1LE22111CA113AA3	672	GP2	3.0	89.5	101	
3	1800	182T	575	GP100	1LE22111CB113AA3	695	GP2	3.2	90.2	105	
3	1200	213T	575	GP100	1LE22112AC113AA3	955	GP2	3.4	90.2	150	
5	3600	184T	575	GP100	1LE22111CA313AA3	874	GP2	5.0	90.2	103	
5	1800	184T	575	GP100	1LE22111CB313AA3	791	GP2	5.4	90.2	109	
5	1200	215T	575	GP100	1LE22112AC213AA3	1423	GP2	5.6	90.2	163	
7.5	3600	213T	575	GP100	1LE22112AA113AA3	1143	GP2	6.8	91.7	178	
7.5	1800	213T	575	GP100	1LE22112AB113AA3	1107	GP2	7.6	92.4	178	
7.5	1200	254T	575	GP100	1LE22112BC113AA3	1908	GP2	8.4	92.4	307	
10	3600	215T	575	GP100	1LE22112AA213AA3	1347	GP2	9.2	91.7	185	
10.0	1800	215T	575	GP100	1LE22112AB213AA3	1348	GP2	10.0	92.4	185	
10	1200	256T	575	GP100	1LE22112BC213AA3	2244	GP2	11.0	92.4	307	
15	3600	254T	575	GP100	1LE22112BA113AA3	1849	GP2	13.5	92.4	279	
15	1800	254T	575	GP100	1LE22112BB113AA3	1804	GP2	15.0	93.0	268	
20	3600	256T	575	GP100	1LE22112BA213AA3	2288	GP2	18.0	92.4	303	
20	1800	256T	575	GP100	1LE22112BB213AA3	2172	GP2	20.0	93.6	311	

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DOE#CC 032A

SIMOTICS General purpose motors

GP100 (Cast iron frame)

NEMA Premium®
Die cast copper rotor

575V 60Hz – C-face footless

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	1800	143TC	575	GP100	1LE22111AB213GA3	595	GP2	1.2	86.5	67	
1	1200	145TC	575	GP100	1LE22111AC313GA3	718	GP2	1.3	84.0	67	
1.5	3600	143TC	575	GP100	1LE22111AA213GA3	609	GP2	1.5	87.5	65	
1.5	1800	145TC	575	GP100	1LE22111AB313GA3	646	GP2	1.7	87.5	67	
2	3600	145TC	575	GP100	1LE22111AA313GA3	692	GP2	2.1	88.5	66	
2	1800	145TC	575	GP100	1LE22111AB413GA3	694	GP2	2.2	87.5	68	
3	3600	182TC	575	GP100	1LE22111CA113GA3	804	GP2	3.0	89.5	101	
3	1800	182TC	575	GP100	1LE22111CB113GA3	827	GP2	3.2	90.2	105	
3	1200	213TC	575	GP100	1LE22112AC113GA3	1087	GP2	3.4	90.2	150	
5	3600	184TC	575	GP100	1LE22111CA313GA3	1006	GP2	5.0	90.2	103	
5.0	1800	184TC	575	GP100	1LE22111CB313GA3	923	GP2	5.4	90.2	109	
5	1200	215TC	575	GP100	1LE22112AC213GA3	1555	GP2	5.6	90.2	163	
7.5	3600	213TC	575	GP100	1LE22112AA113GA3	1275	GP2	6.8	91.7	178	
7.5	1800	213TC	575	GP100	1LE22112AB113GA3	1239	GP2	7.6	92.4	178	
7.5	1200	254TC	575	GP100	1LE22112BC113GA3	2088	GP2	8.4	92.4	307	
10	3600	215TC	575	GP100	1LE22112AA213GA3	1479	GP2	9.2	91.7	185	
10	1800	215TC	575	GP100	1LE22112AB213GA3	1480	GP2	10.0	92.4	185	
10	1200	256TC	575	GP100	1LE22112BC213GA3	2424	GP2	11.0	92.4	307	
15	3600	254TC	575	GP100	1LE22112BA113GA3	2029	GP2	13.5	92.4	279	
15	1800	254TC	575	GP100	1LE22112BB113GA3	1984	GP2	15.0	93.0	268	
20	3600	256TC	575	GP100	1LE22112BA213GA3	2468	GP2	18.0	92.4	303	
20	1800	256TC	575	GP100	1LE22112BB213GA3	2352	GP2	20.0	93.6	311	

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DOE#CC 032A

SIMOTICS General purpose motors

GP100/GP100A

QuikMOD options Selection and pricing

			List Price \$										
Voltage		* 12 & 13	GP100A	GP100	140	180	210	250	280	320	360	400	440
Single Voltage	230V	11	140-250	HP 1-75	123	123	138	159	161	161	191	191	–
	460V	12	140-250	HP 1-75	123	123	138	159	161	161	191	191	–
	575V	13	140-250	140-440	nc	nc	nc	nc	nc	nc	nc	nc	nc
	230/460V	16	140-250	140-250	119	119	133	154	–	–	–	–	–
Special Voltage	200-460V	90+M1Y	140-250	140-440	120	120	120	166	200	482	546	714	1187
	461-600V	90+M2Y	140-250	140-440	120	120	120	166	200	482	546	714	1187
Flanges and Bearing Housing		* 14	GP100A	GP100	140	180	210	250	280	320	360	400	440
Foot Mounted	C - Face 1)	E	–	280-440	–	–	–	–	870	941	1016	1261	1493
	D - Flange	F	140-250	140-250	284	361	396	774	–	–	–	–	–
	C - Face w/drip cover	N	–	280-440	–	–	–	–	1037	1236	1615	2099	2643
	D - Flange w/drip cover	P	140-250	140-250	442	519	555	948	–	–	–	–	–
Round Body	D - Flange	H	–	140-250	302	396	428	809	–	–	–	–	–
	D - Flange w/drip cover	M	–	140-250	527	637	661	1049	–	–	–	–	–
Protection		* 15	GP100A	GP100	140	180	210	250	280	320	360	400	440
Thermostats Klixon Type	normally closed 1 x phase	G	–	140-140	229	229	229	229	229	306	306	459	566
Mounting		* 16	GP100A	GP100	140	180	210	250	280	320	360	400	440
Horizontal T. box top	F-3	0	140-250	–	125	125	125	125	--	--	--	--	--
Ceiling Mount - T. Box LHS	C-2	1	140-250	140-440	133	133	133	133	134	134	134	134	134
Horizontal - T. box RHS	F-2	2	140-250	140-180	283	283	–	–	–	–	–	–	–
Vertical, Shaft down, T. Box RHS	W-6	4	–	140-440	191	191	191	191	191	191	191	191	202
Vertical, Shaft down, T. Box LHS	W-7	5	–	140-180	272	272	–	–	–	–	–	–	–
Vertical, Shaft up, T. Box LHS	W-5	6	140-250	140-180	283	283	–	–	–	–	–	–	–
Vertical, Shaft up, T. Box RHS	W-8	7	140-250	140-180	130	130	–	–	–	–	–	–	–
Ceiling Mount - T. Box RHS	C-1	8	140-250	140-180	283	283	–	–	–	–	–	–	–
Wall Mount (Additional code R1A required)	W-1	9-R1A	140-250	140-180	283	283	–	–	–	–	–	–	–
Wall Mount (Additional code R2A required)	W-2	9-R2A	140-250	140-440	129	129	129	129	130	130	130	130	130
Wall Mount (Additional code R3A required)	W-3	9-R3A	140-250	140-440	288	288	288	288	289	289	289	289	289
Wall Mount (Additional code R4A required)	W-4	9-R4A	140-250	140-180	127	127	–	–	–	–	–	–	–

* Position to be replaced in the part number by the chosen number or letter.
1) C-Face with feet for 440 frames, only available with ball bearings.

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SIMOTICS General purpose motors

GP100/GP100A

QuikMOD options Selection and pricing

		List Price \$											
		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Winding		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Ball Bearings	Sealed (except 2 pole, 360+ frames)	L68	–	140-440	229	229	229	458	458	458	572	916	916
Shaft and Seals		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Slinger & O Ring	(4, 6, 8 Pole only)	L76	–	250-400	–	–	–	121	121	164	164	207	207
Terminal Box		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Main Terminal Box	Orientation 90 deg CCW	J84	–	140-140	134	134	134	134	134	134	134	134	134
	Orientation 180 deg CCW	J85	–	140-440	134	134	134	134	134	134	134	134	134
	Orientation 270 deg CCW	J86	–	140-440	134	134	134	134	134	134	134	134	134
Condulet ¹⁾	To main Terminal Box	JX2	–	280-4401	–	–	–	–	251	251	251	251	251
Special Terminals	Burndy Hydent type YA	K80	140-250	140-440	170	170	170	170	171	171	171	171	171
Terminal Block	Terminal Block 3 lead only	K83	–	140-280	228	228	228	342	342	–	–	–	–
Leads	Sealed Leads ²⁾	K 89	–	140-440	cf	cf	cf	cf	cf	cf	cf	cf	cf
Frame		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Rotational Arrow	Bidirectional (not for uni-directional)	K70	140-250	140-440	141	141	141	141	142	142	142	142	142
	Clockwise ³⁾	K71	140-250	140-440	141	141	141	141	142	142	142	142	142
	Counterclockwise ³⁾	K72	140-250	140-440	141	141	141	141	142	142	142	142	142
Hardware	Stainless steel (Includes T Drain SS)	L22	–	140-440	203	203	203	203	203	251	308	380	468
Lifting eyebolt		L20	Std	140	43	–	–	–	–	–	–	–	–
Grounding	Provision (tapped hole on frame w/bolt)	L27	–	140-440	142	142	142	164	164	186	186	186	261
Drain plugs	T Drain SS	L45	–	140-440	161	161	161	234	234	234	307	307	307
Fan	Bronze	M10	–	140-440	546	546	706	752	941	1137	1190	1325	1830
Nameplates	Additional nameplate (same information as original)	M21	140-250	140-440	163	163	163	163	164	164	164	164	164
	Derate - Service Factor Altitude and/or Ambient temp.	Y80	140-250	140-440	161	161	161	161	164	164	164	164	164
	Auxiliary nameplate Max. 40 Characters	Y82	140-440	140-440	161	161	161	161	164	164	164	164	164
Vertical Jacking	Provisions	M39	–	280-440	–	–	–	–	867	867	867	867	867
Drip Cover		K33	140-440	140-440	153	153	153	164	167	295	599	838	1550

1) Only for single voltage.

2) Condulet or auxiliary box to main terminal box, only available when ordered with cast iron terminal box.

3) K71, K72: Viewed from the ODE.

Prices and Specifications are subject to change without notice. QuikMOD Delivery for stocked motors only.

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SIMOTICS General purpose motors

GP100/GP100A

QuikMOD options Selection and pricing

			List Price \$										
Winding		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Insulation	Fungus Protection	C07	140-440	140-440	212	212	212	310	310	310	537	537	537
Space Heaters	115V Single Phase	A40	140-250	140-440	352	352	352	352	528	528	528	612	612
	230V Single Phase	A41	140-250	140-440	352	352	352	352	528	528	528	612	612
Paint and Others		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Packaging	Sea freight - Siemens Standard	B09	140-250	140-440	333	333	333	333	761	1133	1133	1506	1506
Software		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Software	Documentation in Spanish	D05	140-250	140-440	nc	nc	nc	nc	nc	nc	nc	nc	nc
	Certification of Compliance	F00	140-250	140-440	296	296	296	296	299	299	299	299	299
	Standard Date Transmittal	F40	140-250	140-440	44	44	44	44	45	45	45	45	45
	Standard Dimension Sheet	F42	140-250	140-440	44	44	44	44	45	45	45	45	45
	Conduit Box Dimension Sheet	F44	140-250	140-440	44	44	44	44	45	45	45	45	45
	Wiring Diagram	F45	140-250	140-440	44	44	44	44	45	45	45	45	45
	IOM	F46	140-250	140-440	44	44	44	44	45	45	45	45	45
	Renewal Parts	F47	140-250	140-440	44	44	44	44	45	45	45	45	45
	Performance Data Sheets	F49	140-250	140-440	259	259	259	259	261	261	261	261	261
	Typical Data	F03	140-250	140-440	740	740	740	740	747	747	747	747	747
Tests		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Test	Routine Test Report	F10	140-250	140-440	296	296	296	296	299	299	299	299	299
	Noise	F30	140-250	140-440	4144	4144	4144	4144	4183	4183	5378	5378	5378
	Noise (Witnessed)	F32	140-250	140-440	6512	6512	6512	6512	6573	7768	7768	7768	7768

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SIMOTICS General purpose motors

GP100/GP100A

Custom options Selection and pricing

			List Price \$										
Voltage		*12 & 13	GP100A	GP100	140	180	210	250	280	320	360	400	440
Single Voltage	230V	11	140-250	HP 1-75	123	123	138	159	161	161	191	191	-
	460V	12	140-250	HP 1-75	123	123	138	159	161	161	191	191	-
	575V	13	140-250	140-440	nc	nc	nc	nc	nc	nc	nc	nc	nc
	230/460V	16	140-250	140-250	119	119	133	154	-	-	-	-	-
Wye Start - Delta Run	200V 60HZ	30	-	280-360	-	-	-	-	155	188	276	-	-
	230V 60Hz	31	-	280-360	--	--	--	--	155	188	276	-	-
	460V 60Hz	32	-	280-440	-	-	-	-	155	188	276	433	720
	575V 60HZ	33	-	280-440	-	-	-	-	155	188	276	433	720
Special Voltage	200-460V	90+M1Y	140-250	140-440	120	120	120	166	200	482	546	714	1187
	461-600V	90+M2Y	140-250	140-440	120	120	120	166	200	482	546	714	1187
Flanges and Bearing Housing		* 14	GP100A	GP100	140	180	210	250	280	320	360	400	440
Foot Mounted	C - Face 1)	E	140-250	140-440	206	249	283	625	870	941	1016	1261	1493
	D - Flange	F	140-250	140-440	284	361	396	774	1086	1269	1481	1976	2387
	C - Face w/drip cover	N	140-250	140-440	360	403	438	794	1035	1236	1615	2099	3043
	D - Flange w/drip cover	P	140-250	140-440	442	519	555	948	1253	1567	2087	2824	3955
Round Body	C - Face	G	140-250	140-250	226	282	316	676	946	1038	1327	1709	2351
	D - Flange	H	140-250	140-250	302	396	428	809	1224	1452	2005	2779	3896
	C - Face w/drip cover	L	140-250	140-250	378	434	469	840	1106	1324	1907	2522	3853
	D - Flange w/drip cover	M	140-250	140-250	527	637	661	1049	1475	1910	2973	4229	6589
Protection		*15	GP100A	GP100	140	180	210	250	280	320	360	400	440
PTC Thermistors	3 embedded, 1 per phase	B	-	140-440	634	634	634	634	634	634	634	634	634
PTC Thermistors	6 embedded, 2 per phase	C	-	140-440	1268	1268	1268	1268	1268	1268	1268	1268	1268
KTY84-130	2 embedded	F	-	140-440	981	981	981	981	981	981	981	981	981
Thermostats Klix Type	normally closed 1 x phase	G	-	140-440	229	229	229	229	229	306	306	459	566
Thermocouples	Coil head	J	-	360-440	-	-	-	-	-	-	1814	1814	1814
Stator RTDs 100 Ω, 1 x Phase	Includes Aux. Box opposite to main	K	-	360-440	-	-	-	-	-	-	3053	3053	3053
Mounting		*16	GP100A	GP100	140	180	210	250	280	320	360	400	440
Horizontal T. box top	F-3	0	140-250	-	125	125	125	125	-	-	-	-	-
Ceiling Mount - T. Box LHS	C-2	1	140-250	140-440	133	133	133	133	134	134	134	134	134
Horizontal - T. box RH	F-2	2	140-250	140-440	283	283	283	283	284	284	284	284	284
Vertical, Shaft down, T. Box RHS	W-6	4	-	140-440	191	191	191	191	191	191	191	191	202
Vertical, Shaft down, T. Box LHS	W-7	5	-	140-440	272	272	272	272	272	272	272	272	288
Vertical, Shaft up, T. Box LHS	W-5	6	140-250	140-440	283	283	283	283	284	284	284	284	284
Vertical, Shaft up, T. Box RHS	W-8	7	140-250	140-440	130	130	130	130	131	131	131	131	130
Ceiling Mount - T. Box RHS	C-1	8	140-250	140-440	283	283	283	283	284	284	284	284	284
Wall Mount (Additional code R1A required)	W-1	9-R1A	140-250	140-440	283	283	283	283	284	284	284	284	284
Wall Mount (Additional code R2A required)	W-2	9-R2A	140-250	140-440	129	129	129	129	130	130	130	130	130
Wall Mount (Additional code R3A required)	W-3	9-R3A	140-250	140-440	288	288	288	288	289	289	289	289	289

* Position to be replaced in the part number by the chosen number or letters.

1) C-Face with feet for 440 frames, only available with ball bearing.

Prices and Specifications are subject to change without notice.

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SIMOTICS General purpose motors

GP100/GP100A

Custom options Selection and pricing

				List Price \$									
Bearings and Lubrication		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Special Grease	Mobil 28	L57	–	140-440	485	895	895	895	895	1230	1230	1640	1640
	Mobilith SHC 100	L58	–	140-440	336	336	336	336	336	634	634	634	634
Grease Fitting	Pressure relief	L60	–	280-440	186	186	186	186	186	186	186	186	186
Ball Bearings	Sealed (except 2 pole, FS 360+)	L68	–	140-440	229	229	229	458	458	458	572	916	916
Bearing thermal Protection	100 Ω RTDs both ends Connection head and terminal block	A51	–	400-440	–	–	–	–	–	–	–	3347	3347
Shaft and Seals		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Special shaft	Drive End	Y50	–	140-440	cf	cf	cf	cf	cf	cf	cf	cf	cf
Special shaft	Opposite Drive End	Y51	–	–	cf	cf	cf	cf	cf	cf	cf	cf	cf
NEMA Standard Short Shaft	Opposite Drive End	M53	–	140-250	132	132	132	176	272	392	443	490	542
NEMA Standard Long Shaft	Opposite Drive End	M52	–	140-250	133	133	133	179	272	392	443	490	555
Slinger & O Ring	(4, 6, 8 Pole only)	L76	–	250-440	88	88	88	121	121	164	164	207	207
Inpro Seal	Drive End	L79	–	140-440	489	489	510	595	616	649	744	914	999
Coupling	Customer Supplied	H10	–	140-440	485	485	485	485	485	485	716	716	716
Terminal Box		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Maint Terminal Box	Cast Iron in lieu of Aluminum	L01	–	140-440	148	154	161	167	180	199	218	251	–
	Orientation 90° CCW	J84	–	140-440	134	134	134	134	134	134	134	134	134
	Orientation 180° CCW	J85	–	140-440	134	134	134	134	134	134	134	134	134
	Orientation 270° CCW	J86	–	140-440	134	134	134	134	134	134	134	134	134
Condulet 1)	Same side Main Terminal Box	JX0	–	280-440	–	–	–	–	235	235	235	235	235
	To main Terminal Box	JX2	–	140-440	251	251	251	251	251	251	251	251	251
	Opposite to Main Terminal box	JX4	–	180-440	235	235	235	235	235	235	235	235	235
Auxiliary box 1)	To main Terminal Box	JX3	–	280-440	–	–	–	–	415	415	415	415	415
	Opposite to Main Terminal box	JX5	–	280-440	–	–	–	–	443	443	443	443	443
Special Terminals	Burndy Hydent type YA	K80	140-250	140-440	170	170	170	170	171	171	171	171	171
Terminal Block	Terminal Block - 3 lead only	K83	–	140-280	228	228	228	342	342	518	518	–	–
Leads	Special Leads 2)	K89	–	140-440	cf	cf	cf	cf	cf	cf	cf	cf	cf
	Special Cable Length	Y85	–	140-440	228	228	228	228	228	228	304	304	304

1) Condulet or auxiliary box to main terminal box, only available when ordered with cast iron terminal box.

2) Only for single voltage.

Prices and Specifications are subject to change without notice.

SIMOTICS General purpose motors

GP100/GP100A

Custom options Selection and pricing

			List Price											
Frame		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440	
Rotational Arrow	Bidirectional not for uni-directional)	K70	140-250	140-440	141	141	141	141	142	142	142	142	142	
	Clockwise 3)	K71	140-250	140-440	141	141	141	141	142	142	142	142	142	
	Counterclockwise 3)	K72	140-250	140-440	141	141	141	141	142	142	142	142	142	
Hardware	Stainless steel (Includes T Drain SS)	L22	—	140-440	203	203	203	203	203	251	308	380	468	
Lifting eyebolt		L20	Std	140	43	—	—	—	—	—	—	—	—	
Grounding	Provision (tapped hole on the frame w/bolt)	L27	—	140-440	142	142	142	164	164	186	186	186	261	
Drain plugs	T Drain SS	L45	—	140-440	161	161	161	234	234	234	307	307	307	
Fan	Bronze	M10	—	140-440	546	546	706	752	941	1137	1190	1325	1830	
Nameplates	Additional nameplate (Replica of original)	M21	140-250	140-440	163	163	163	163	164	164	164	164	164	
	Auxiliary Nameplate Max. 40 Characters	Y82	140-440	140-440	161	161	161	161	164	164	164	164	164	
Vertical Jacking	Provisions 280T-449T	M39	—	280-440	—	—	—	—	867	867	867	867	867	
Winding			Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Insulation	Class H 1)	C00	—	140-440	122	122	122	157	261	343	438	634	904	
	Vacuum Pressure Impregnation (VPI)	C01	—	140-440	1670	1670	1670	1670	2147	2147	2714	3430	3728	
	Moisture/Powerhouse (extra dip & bake)	C04	—	140-440	160	160	160	208	345	447	567	798	1877	
	Fungus Protection	C07	—	140-440	212	212	212	310	310	310	537	537	537	
	Tropicalization Moisture (extra clip & bake, fungus spray)	C08	—	140-440	214	214	214	277	459	593	746	1036	1406	
	Paint and Others			Code	GP100A	GP100	140	180	210	250	280	320	360	400
Special Paint	2 Part Epoxy	N01	—	140-440	2744	2744	2744	2744	2744	2744	2744	2744	2744	
Standard Prime	Only	N03	140-250	140-440	558	558	558	558	563	563	563	563	563	
Standard Paint	Special color	Y60	140-250	140-440	554	554	554	554	557	557	557	557	557	
Balance	Precision	M69	—	140-440	190	190	190	218	218	248	248	313	313	
	Extra precision	M70	—	140-440	312	312	330	330	376	376	506	506	651	
Packaging	Sea freight Siemens Standard	B09	140-250	140-440	333	333	333	333	761	1133	1133	1506	1506	
	Special	B10	140-250	140-440	cf	cf	cf	cf	cf	cf	cf	cf	cf	
Leads	Sealed Leads 2)	K89	—	140-440	cf	cf	cf	cf	cf	cf	cf	cf	cf	
	Special Cable Length	Y85	—	140-440	228	228	228	228	228	228	304	304	304	

1) Lead cable and thermal protectors leads are insulation class F.

2) Only for single voltage.

3) K71, K72: Viewed from the ODE.

Prices and Specifications are subject to change without notice.

SIMOTICS General purpose motors

GP100/GP100A

Custom options Selection and pricing

Software		Code	GP100A	GP100	List Price \$								
					140	180	210	250	280	320	360	400	440
Software	Documentation in Spanish	D05	140-250	140-440	nc	nc	nc	nc	nc	nc	nc	nc	nc
	Certification of Compliance	F00	140-250	140-440	296	296	296	296	299	299	299	299	299
	Standard Date Transmittal	F40	140-250	140-440	44	44	44	44	45	45	45	45	45
	Standard Dimension Sheet	F42	140-250	140-440	44	44	44	44	45	45	45	45	45
	Conduit Box Dimension Sheet	F44	140-250	140-440	44	44	44	44	45	45	45	45	45
	Wiring Diagram	F45	140-250	140-440	44	44	44	44	45	45	45	45	45
	IOM	F46	140-250	140-440	44	44	44	44	45	45	45	45	45
	Renewal Parts	F47	140-250	140-440	44	44	44	44	45	45	45	45	45
	Performance Data Sheets	F49	140-250	140-440	259	259	259	259	261	261	261	261	261
	Typical Data	F03	140-250	140-440	740	740	740	740	747	747	747	747	747
	Nonstandard Dimension Sheet	F43	140-250	140-440	518	518	518	518	523	523	523	523	523
	Customer Specific Data Sheets	F50	140-250	140-440	518	518	518	518	523	523	523	523	523
Special Calculated Date	F07	140-250	140-440	1184	1184	1184	1184	1195	1195	1195	1195	1195	
Tests		Code	GP100A	GP100	140	180	210	250	280	320	360	400	440
Test	Routine Test Report	F10	140-250	140-440	296	296	296	296	299	299	299	299	299
	Routine Test Report (Witnessed)	F12	140-250	140-440	1628	1628	1628	1628	1643	1972	2360	2569	2778
	Complete Test	F15	140-250	140-440	6749	6749	6749	6749	6812	7917	9680	11054	12010
	Complete Test (Witnessed)	F17	140-250	140-440	10123	10123	10123	10123	10217	11890	14519	16581	18015
	Calibration Test	F27	140-250	140-440	5062	5062	5062	5062	5109	5938	7260	8290	9007
	Electrical Duplicate (Routine Test)	F36	140-250	140-440	296	296	296	296	299	299	299	299	299
	Electrical Duplicate (Complete Test)	F37	140-250	140-440	444	444	444	444	448	448	448	448	448
	Routine Test + Vibration	F20	140-250	140-440	592	592	592	592	597	597	597	597	597
	Routine Text + Vibration (Witnessed)	F22	140-250	140-440	3256	3256	3256	3256	3286	3286	3286	3286	3286

Prices and Specifications are subject to change without notice.

SIMOTICS Severe duty motors

SD100 (Cast iron frame)

SD100 severe duty TEFC motors are available in two configurations which exceed NEMA Premium® efficiency with our exclusive, leading-edge, die cast copper rotor design (143T – 256T) or meet NEMA Premium® efficiency with our die cast aluminum rotor design. Either way, these motors significantly reduce operating costs and pay for themselves in a short time through energy savings. They are ideal for use in chemical processing, mining, foundry, pulp and paper, waste management and petro/chemical applications.

Performance specifications

- 1 to 400 HP
- 1.15 service factor, 40°C ambient
- 3600, 1800 or 1200 RPM
- 3-phase, 60 Hz; 208-230/460 and 575 volt operation (143T -256T)
- 3-phase, 60 Hz;

208-230/460 V	1 - 20 HP
460V	25 - 400 HP
575V	1 - 400HP
- Meets or exceeds NEMA Premium® efficiency standards (EPAAct efficiency for 900RPM Motors)
- Class F insulation, Class B temperature rise @ 1.0 S.F.
- NEMA design B (except as noted), continuous duty
- Meets IP54 & IEEE 45 marine duty
- 143T to S449T frame
- Adjustable speed drive capability

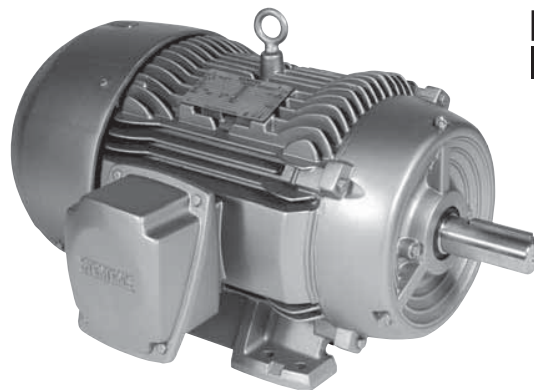
VT 20:1	FS 140 - 440
CT 4:1	FS 140 - 440
CT 10:1	FS 140 - 250 (Cu)

Features for long life

Frame and bearing housings – Cast iron construction for exceptional structural integrity and corrosion resistance, equipped with integrally cast feet. Condensation T-drains are provided. Lifting eyebolts are included with motors > 75 lbs.

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 reduce losses and improve efficiencies. A unique stator core design lowers flux density while increasing cooling capacity. Large conductor cross-section reduces resistance and lowers stator losses.



NEMA Premium

3 YEAR WARRANTY

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 adjustable frequency drives.

Cooling – A bi-directional, non-sparking fan is locked and keyed to the shaft. Its 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 (143T – 256T) / single shielded (284T – S449T) with cast iron inner caps on both ends of the motor. Alemite® grease fittings on the inlets and pipe plugs on the relief ports for ease of routine maintenance. All 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.

Lubrication – Specially formulated, high temperature tested, polyurea based grease,

Conduit box – Oversized cast iron construction that is larger than industry standards, diagonally-split, neoprene gasketed and rotatable in 90° increments for quick and easy connections. A ground lug is provided. 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 and custom – Siemens SIMOTICS motors are available with a wide variety of QuikMOD modifications and custom designs to meet your specific motor needs.



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SIMOTICS Severe duty motors

SD100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

460V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	3600	143T	208-230/460	SD100	1LE23211AA114AA3	574	SD2	1.4	82.5	75	✓
1	1800	143T	208-230/460	SD100	1LE23211AB214AA3	537	SD2	1.4	85.5	76	✓
1	1200	145T	208-230/460	SD100	1LE23211AC314AA3	663	SD2	1.6	82.5	77	✓
1	900	182T	208-230/460	SD100	1LE23211CD114AA3	900	SD2	2.1	74.0	106	✓
1.5	3600	143T	208-230/460	SD100	1LE23211AA214AA3	574	SD2	2.0	84.0	70	✓
1.5	1800	145T	208-230/460	SD100	1LE23211AB314AA3	595	SD2	2.1	86.5	80	✓
1.5	1200	182T	208-230/460	SD100	1LE23211CC114AA3	747	SD2	2.4	87.5	113	✓
1.5	900	184T	208-230/460	SD100	1LE23211CD314AA3	1014	SD2	3.0	77.0	119	✓
2	3600	145T	208-230/460	SD100	1LE23211AA314AA3	686	SD2	2.5	85.5	72	✓
2	1800	145T	208-230/460	SD100	1LE23211AB414AA3	655	SD2	2.8	86.5	80	✓
2	1200	184T	208-230/460	SD100	1LE23211CC314AA3	835	SD2	3.2	88.5	122	✓
2	900	213T	230/460	SD100	1LE23212AD114AA3	1175	SD2	3.3	82.5	143	✓
3	3600	182T	208-230/460	SD100	1LE23211CA114AA3	771	SD2	3.8	86.5	107	✓
3	1800	182T	208-230/460	SD100	1LE23211CB114AA3	726	SD2	4.0	89.5	118	✓
3	1200	213T	208-230/460	SD100	1LE23212AC114AA3	1017	SD2	4.3	89.5	164	✓
3	900	215T	230/460	SD100	1LE23212AD214AA3	1621	SD2	4.8	84.0	158	✓
5	3600	184T	208-230/460	SD100	1LE23211CA314AA3	955	SD2	6.0	88.5	118	✓
5	1800	184T	208-230/460	SD100	1LE23211CB314AA3	848	SD2	6.5	89.5	124	✓
5	1200	215T	208-230/460	SD100	1LE23212AC214AA3	1433	SD2	6.7	89.5	176	✓
5	900	254T	230/460	SD100	1LE23212BD114AA3	2279	SD2	8.8	85.5	247	✓
7.5	3600	213T	208-230/460	SD100	1LE23212AA114AA3	1121	SD2	8.8	89.5	160	✓
7.5	1800	213T	208-230/460	SD100	1LE23212AB114AA3	1117	SD2	9.7	91.7	191	✓
7.5	1200	254T	208-230/460	SD100	1LE23212BC114AA3	1852	SD2	10.0	91.0	292	✓
7.5	900	256T	230/460	SD100	1LE23212BD214AA3	2630	SD2	13.0	85.5	279	✓
10	3600	215T	208-230/460	SD100	1LE23212AA214AA3	1349	SD2	11.5	90.2	174	✓
10	1800	215T	208-230/460	SD100	1LE23212AB214AA3	1387	SD2	12.5	91.7	197	✓
10	1200	256T	208-230/460	SD100	1LE23212BC214AA3	2328	SD2	13.5	91.0	288	✓
10	900	284T	230/460	SD100	1LE23212CD116AA3	3511	SD3	15.0	91.0	375	✓
15	3600	254T	208-230/460	SD100	1LE23212BA114AA3	1853	SD2	17.5	91.0	287	✓
15	1800	254T	208-230/460	SD100	1LE23212BB114AA3	1826	SD2	19.0	92.4	289	✓
15	1200	284T	230/460	SD100	1LE23212CC116AA3	2954	SD2	21.0	91.7	400	✓
15	900	286T	230/460	SD100	1LE23212CD216AA3	4569	SD2	23.0	91.0	430	✓
20	3600	256T	208-230/460	SD100	1LE23212BA214AA3	2294	SD2	22.5	91.0	323	✓
20	1800	256T	208-230/460	SD100	1LE23212BB214AA3	2274	SD2	25.0	93.0	322	✓
20	1200	286T	230/460	SD100	1LE23212CC216AA3	3598	SD2	27.0	91.7	465	✓
20	900	324T	230/460	SD100	1LE23213AD116AA3	5585	SD2	31.0	91.0	567	✓
25	3600	284TS	460	SD100	1LE23212DA112AA3	2702	SD2	29.0	91.7	415	✓
25	1800	284TS	460	SD100	1LE23212DB112AA3	2587	SD2	30.0	93.6	445	✓
25	1800	284T	460	SD100	1LE23212CB112AA3	2587	SD2	30.0	93.6	445	✓
25	1200	324T	460	SD100	1LE23213AC112AA3	4235	SD2	33.0	93.0	640	✓
25	900	326T	460	SD100	1LE23213AD212AA3	6487	SD2	38.0	90.2	600	✓
30	3600	286TS	460	SD100	1LE23212DA212AA3	3155	SD2	34.0	91.7	430	✓
30	1800	286TS	460	SD100	1LE23212DB212AA3	3010	SD2	35.0	93.6	465	✓
30	1800	286T	460	SD100	1LE23212CB212AA3	3010	SD2	35.0	93.6	465	✓
30	1200	326T	460	SD100	1LE23213AC212AA3	5017	SD2	39.0	93.0	675	✓
30	900	364T	460	SD100	1LE23213CD112AA3	7676	SD2	47.0	91.0	800	✓

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DOE#CC032A

SIMOTICS Severe duty motors

SD100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

460V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Sybl.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
40	3600	324TS	460	SD100	1LE23213BA112AA3	4163	SD2	45.0	93.6	575	✓
40	1800	324TS	460	SD100	1LE23213BB112AA3	3998	SD2	46.0	94.1	666	✓
40	1800	324T	460	SD100	1LE23213AB112AA3	3998	SD2	46.0	94.1	666	✓
40	1200	364T	460	SD100	1LE23213CC112AA3	6803	SD2	49.0	94.1	863	✓
40	900	365T	460	SD100	1LE23213CD212AA3	9283	SD2	63.0	91.7	875	✓
50	3600	326TS	460	SD100	1LE23213BA212AA3	5384	SD2	55.0	93.6	610	✓
50	1800	326TS	460	SD100	1LE23213BB212AA3	4910	SD2	58.0	94.5	700	✓
50	1800	326T	460	SD100	1LE23213AB212AA3	4910	SD2	58.0	94.5	700	✓
50	1200	365T	460	SD100	1LE23213CC212AA3	7810	SD2	62.0	94.1	900	✓
50	900	404T	460	SD100	1LE23214AD112AA3	11091	SD2	67.0	91.7	1135	✓
60	3600	364TS	460	SD100	1LE23213DA112AA3	7083	SD2	68.0	93.6	717	✓
60	1800	364TS	460	SD100	1LE23213DB112AA3	7043	SD2	68.0	95.0	930	✓
60	1800	364T	460	SD100	1LE23213CB112AA3	7043	SD2	68.0	95.0	930	✓
60	1200	404T	460	SD100	1LE23214AC112AA3	9150	SD2	74.0	94.5	1100	✓
60	900	405T	460	SD100	1LE23214AD212AA3	12668	SD2	78.0	91.7	1300	✓
75	3600	365TS	460	SD100	1LE23213DA212AA3	8894	SD2	86.0	94.1	815	✓
75	1800	365TS	460	SD100	1LE23213DB212AA3	8928	SD2	85.0	95.4	1000	✓
75	1800	365T	460	SD100	1LE23213CB212AA3	8928	SD2	85.0	95.4	1000	✓
75	1200	405T	460	SD100	1LE23214AC212AA3	10772	SD2	93.0	94.5	1150	✓
75	900	444T	460	SD100	1LE23214CD112AA3	16694	SD2	94.0	93.0	1625	✓
75	900	444T	460	SD100	1LE23214DD112AA3	16694	SD2	94.0	93.0	1625	
75	900	444TS	460	SD100	1LE23214ED112AA3	16694	SD2	94.0	93.0	1625	
100	3600	405TS	460	SD100	1LE23214BA212AA3	11919	SD2	108.0	94.1	1100	✓
100	1800	405TS	460	SD100	1LE23214BB212AA3	11032	SD2	113.0	95.4	1160	✓
100	1800	405T	460	SD100	1LE23214AB212AA3	11032	SD2	113.0	95.4	1160	✓
100	1200	444TS	460	SD100	1LE23214DC112AA3	14724	SD2	117.0	95.0	1545	✓
100	1200	444T	460	SD100	1LE23214CC112AA3	14724	SD2	117.0	95.0	1545	✓
100	1200	444T	460	SD100	1LE23214EC112AA3	14724	SD2	117.0	95.0	1545	✓
100	900	445T	460	SD100	1LE23214CD212AA3	20641	SD2	123.0	94.1	1900	✓
100	900	445T	460	SD100	1LE23214ED212AA3	20641	SD2	123.0	94.1	1900	
100	900	445TS	460	SD100	1LE23214DD212AA3	20641	SD2	123.0	94.1	1900	
125	3600	444TS	460	SD100	1LE23214DA112AA3	15574	SD2	138.0	95.0	1454	✓
125	1800	444TS	460	SD100	1LE23214DB112AA3	14518	SD2	143.0	95.4	1600	✓
125	1800	444T	460	SD100	1LE23214CB112AA3	14518	SD2	143.0	95.4	1600	✓
125	1800	444T	460	SD100	1LE23214EB112AA3	14518	SD2	143.0	95.4	1600	✓
125	1200	445TS	460	SD100	1LE23214DC212AA3	18079	SD2	144.0	95.0	1720	✓
125	1200	445T	460	SD100	1LE23214CC212AA3	18079	SD2	144.0	95.0	1720	✓
125	1200	445T	460	SD100	1LE23214EC212AA3	18079	SD2	144.0	95.0	1720	✓
125	900	447T	460	SD100	1LE23214CD312AA3	21897	SD2	152.0	93.6	2280	✓
125	900	447T	460	SD100	1LE23214ED312AA3	21897	SD2	152.0	93.6	2280	
125	900	447TS	460	SD100	1LE23214DD312AA3	21897	SD2	152.0	93.6	2280	

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Shaded ratings indicated roller bearings.

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SIMOTICS Severe duty motors

SD100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

460V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
150	3600	445TS	460	SD100	1LE23214DA212AA3	18709	SD2	164.0	95.0	1615	✓
150	1800	445TS	460	SD100	1LE23214DB212AA3	16878	SD2	170.0	95.8	1710	✓
150	1800	445T	460	SD100	1LE23214CB212AA3	16878	SD2	170.0	95.8	1710	✓
150	1800	445T	460	SD100	1LE23214EB212AA3	16878	SD2	170.0	95.8	1710	✓
150	1200	447TS	460	SD100	1LE23214DC312AA3	20228	SD2	172.0	95.8	1995	✓
150	1200	447T	460	SD100	1LE23214CC312AA3	20228	SD2	172.0	95.8	1995	✓
150	1200	447T	460	SD100	1LE23214EC312AA3	20228	SD2	172.0	95.8	1995	✓
150	900	447T	460	SD100	1LE23214CD412AA3	27964	SD2	186.0	94.1	2280	✓
150	900	447T	460	SD100	1LE23214ED412AA3	27964	SD2	186.0	94.1	2280	
200	3600	447TS	460	SD100	1LE23214DA312AA3	23666	SD2	216.0	95.4	1890	✓
200	1800	447TS	460	SD100	1LE23214DB312AA3	20529	SD2	226.0	96.2	2035	✓
200	1800	447T	460	SD100	1LE23214CB312AA3	20529	SD2	226.0	96.2	2035	✓
200	1800	447T	460	SD100	1LE23214EB312AA3	20529	SD2	226.0	96.2	2035	✓
200	1200	449TS	460	SD100	1LE23214DC512AA3	24761	SD2	227.0	95.8	2425	✓
200	1200	449T	460	SD100	1LE23214CC512AA3	24761	SD2	227.0	95.8	2425	✓
200	1200	449T	460	SD100	1LE23214EC512AA3	24761	SD2	227.0	95.8	2425	✓
200	900	S449LS	460	SD100	1LE23214FD112AA3	28374	SD2	241.0	94.5	3200	✓
200	900	S449SS	460	SD100	1LE23214GD112AA3	28374	SD2	241.0	94.5	3200	
250	3600	449TS	460	SD100	1LE23214DA512AA3	29849	SD2	265.0	95.8	2272	✓
250	1800	449TS ²⁾	460	SD100	1LE23214DB512AA3	25755	SD2	278.0	96.2	2425	✓
250	1800	449T ²⁾	460	SD100	1LE23214CB512AA3	25755	SD2	278.0	96.2	2425	✓
250	1800	449T ²⁾	460	SD100	1LE23214EB512AA3	25755	SD2	278.0	96.2	2425	✓
250	1200	449TS ²⁾	460	SD100	1LE23214DC612AA3	26944	SD2	281.0	95.8	2390	✓
250	1200	449T ²⁾	460	SD100	1LE23214CC612AA3	26944	SD2	281.0	95.8	2390	✓
250	1200	449T ²⁾	460	SD100	1LE23214EC612AA3	26944	SD2	281.0	95.8	2390	✓
250	900	S449LS	460	SD100	1LE23214FD212AA3	40437	SD2	303.0	94.5	3316	✓
300	3600	449TS	460	SD100	1LE23214DA612AA3	40858	SD2	325.0	95.8	2200	✓
300	1800	449TS ²⁾	460	SD100	1LE23214DB612AA3	30036	SD2	338.0	96.2	3130	✓
300	1800	449T ²⁾	460	SD100	1LE23214CB612AA3	30036	SD2	338.0	96.2	3130	✓
300	1800	449T ²⁾	460	SD100	1LE23214EB612AA3	30036	SD2	338.0	96.2	3130	✓
300	1200	S449LS ²⁾	460	SD100	1LE23214FC112AA3	55251	SD2	340.0	95.8	3240	✓
350	3600	S449SS ¹⁾	460	SD100	1LE23214GA112AA3	41992	SD2	370.0	95.8	2890	✓
350	1800	S449SS	460	SD100	1LE23214GB212AA3	39003	SD2	390.0	96.2	3190	✓
350	1800	S449LS	460	SD100	1LE23214FB212AA3	39003	SD2	390.0	96.2	3190	✓
400	3600	S449SS ¹⁾	460	SD100	1LE23214GA312AA3	52365	SD2	422.0	95.8	3065	✓
400	1800	S449SS	460	SD100	1LE23214GB312AA3	48649	SD2	454.0	96.2	3240	✓
400	1800	S449LS	460	SD100	1LE23214FB312AA3	48649	SD2	454.0	96.2	3240	✓

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Shaded ratings indicated roller bearings.
Stock availability subject to change.

1) CW Rotation facing opposite DE
2) NEMA design A
Prices and Specifications are subject to change without notice.
DOE#CC032A

SIMOTICS Severe duty motors

SD100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

460V 60Hz – C-face footless

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	3600	143TC	208-230/460	SD100	1LE23211AA114GA3	664	SD2	1.4	82.5	75	✓
1	1800	143TC	208-230/460	SD100	1LE23211AB214GA3	627	SD2	1.4	85.5	76	✓
1	1200	145TC	208-230/460	SD100	1LE23211AC314GA3	753	SD2	1.6	82.5	77	✓
1	900	182TC	208-230/460	SD100	1LE23211CD114GA3	1032	SD2	2.1	74.0	106	✓
1.5	3600	143TC	208-230/460	SD100	1LE23211AA214GA3	664	SD2	2.0	84.0	70	✓
1.5	1800	145TC	208-230/460	SD100	1LE23211AB314GA3	685	SD2	2.1	86.5	80	✓
1.5	1200	182TC	208-230/460	SD100	1LE23211CC114GA3	879	SD2	2.4	87.5	113	✓
1.5	900	184TC	208-230/460	SD100	1LE23211CD314GA3	1146	SD2	3.0	77.0	119	✓
2	3600	145TC	208-230/460	SD100	1LE23211AA314GA3	776	SD2	2.5	85.5	72	✓
2	1800	145TC	208-230/460	SD100	1LE23211AB414GA3	745	SD2	2.8	86.5	80	✓
2	1200	184TC	208-230/460	SD100	1LE23211CC314GA3	967	SD2	3.2	88.5	122	✓
2	900	213TC	208-230/460	SD100	1LE23212AD114GA3	1307	SD2	3.3	82.5	143	✓
3	3600	182TC	208-230/460	SD100	1LE23211CA114GA3	903	SD2	3.8	86.5	107	✓
3	1800	182TC	208-230/460	SD100	1LE23211CB114GA3	858	SD2	4.0	89.5	118	✓
3	1200	213TC	208-230/460	SD100	1LE23212AC114GA3	1149	SD2	4.3	89.5	164	✓
3	900	215TC	208-230/460	SD100	1LE23212AD214GA3	1753	SD2	4.8	84.0	158	✓
5	3600	184TC	208-230/460	SD100	1LE23211CA314GA3	1087	SD2	6.0	88.5	118	✓
5	1800	184TC	208-230/460	SD100	1LE23211CB314GA3	980	SD2	6.5	89.5	124	✓
5	1200	215TC	208-230/460	SD100	1LE23212AC214GA3	1565	SD2	6.7	89.5	176	✓
5	900	254TC	208-230/460	SD100	1LE23212BD114GA3	2459	SD2	8.8	85.5	247	✓
7.5	3600	213TC	208-230/460	SD100	1LE23212AA114GA3	1253	SD2	8.8	89.5	160	✓
7.5	1800	213TC	208-230/460	SD100	1LE23212AB114GA3	1249	SD2	9.7	91.7	191	✓
7.5	1200	254TC	208-230/460	SD100	1LE23212BC114GA3	2032	SD2	10.0	91.0	292	✓
7.5	900	256TC	208-230/460	SD100	1LE23212BD214GA3	2810	SD2	13.0	85.5	279	✓
10	3600	215TC	208-230/460	SD100	1LE23212AA214GA3	1481	SD2	11.5	90.2	174	✓
10	1800	215TC	208-230/460	SD100	1LE23212AB214GA3	1519	SD2	12.5	91.7	197	✓
10	1200	256TC	208-230/460	SD100	1LE23212BC214GA3	2508	SD2	13.5	91.0	288	✓
15	3600	254TC	208-230/460	SD100	1LE23212BA114GA3	2033	SD2	17.5	91.0	287	✓
15	1800	254TC	208-230/460	SD100	1LE23212BB114GA3	2006	SD2	19.0	92.4	289	✓
20	3600	256TC	208-230/460	SD100	1LE23212BA214GA3	2474	SD2	22.5	91.0	323	✓
20	1800	256TC	208-230/460	SD100	1LE23212BB214GA3	2454	SD2	25.0	93.0	322	✓

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DOE#CC032A

SIMOTICS Severe duty motors

SD100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

575V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	3600	143T	575	SD100	1LE23211AA113AA3	574	SD2	1.1	82.5	75	✓
1	1800	143T	575	SD100	1LE23211AB213AA3	537	SD2	1.1	85.5	76	✓
1	1200	145T	575	SD100	1LE23211AC313AA3	663	SD2	1.3	82.5	77	✓
1	900	182T	575	SD100	1LE23211CD113AA3	900	SD2	1.6	74.0	106	✓
1.5	3600	143T	575	SD100	1LE23211AA213AA3	574	SD2	1.6	84.0	70	✓
1.5	1800	145T	575	SD100	1LE23211AB313AA3	595	SD2	1.7	86.5	80	✓
1.5	1200	182T	575	SD100	1LE23211CC113AA3	747	SD2	1.9	87.5	113	✓
1.5	900	184T	575	SD100	1LE23211CD313AA3	1014	SD2	2.4	77.0	119	✓
2	3600	145T	575	SD100	1LE23211AA313AA3	686	SD2	2.0	85.5	72	✓
2	1800	145T	575	SD100	1LE23211AB413AA3	655	SD2	2.2	86.5	80	✓
2	1200	184T	575	SD100	1LE23211CC313AA3	835	SD2	2.6	88.5	122	✓
2	900	213T	575	SD100	1LE23212AD113AA3	1175	SD2	2.6	82.5	143	✓
3	3600	182T	575	SD100	1LE23211CA113AA3	771	SD2	3.0	86.5	107	✓
3	1800	182T	575	SD100	1LE23211CB113AA3	726	SD2	3.2	89.5	118	✓
3	1200	213T	575	SD100	1LE23212AC113AA3	1017	SD2	3.4	89.5	164	✓
3	900	215T	575	SD100	1LE23212AD213AA3	1621	SD2	3.8	84.0	158	✓
5	3600	184T	575	SD100	1LE23211CA313AA3	955	SD2	4.8	88.5	118	✓
5	1800	184T	575	SD100	1LE23211CB313AA3	848	SD2	5.2	89.5	124	✓
5	1200	215T	575	SD100	1LE23212AC213AA3	1433	SD2	5.4	89.5	176	✓
5	900	254T	575	SD100	1LE23212BD113AA3	2279	SD2	7.0	85.5	247	✓
7.5	3600	213T	575	SD100	1LE23212AA113AA3	1121	SD2	7.0	89.5	160	✓
7.5	1800	213T	575	SD100	1LE23212AB113AA3	1117	SD2	7.8	91.7	191	✓
7.5	1200	254T	575	SD100	1LE23212BC113AA3	1852	SD2	8.0	91.0	292	✓
7.5	900	256T	575	SD100	1LE23212BD213AA3	2630	SD2	10.5	85.5	279	✓
10	3600	215T	575	SD100	1LE23212AA213AA3	1349	SD2	9.2	90.2	174	✓
10	1800	215T	575	SD100	1LE23212AB213AA3	1387	SD2	10.0	91.7	197	✓
10	1200	256T	575	SD100	1LE23212BC213AA3	2328	SD2	11.0	91.0	288	✓
10	900	284T	575	SD100	1LE23212CD113AA3	3511	SD2	12.0	91.0	375	
15	3600	254T	575	SD100	1LE23212BA113AA3	1853	SD2	14.0	91.0	287	✓
15	1800	254T	575	SD100	1LE23212BB113AA3	1826	SD2	15.0	92.4	289	✓
15	1200	284T	575	SD100	1LE23212CC113AA3	2954	SD2	17.0	91.7	400	✓
15	900	286T	575	SD100	1LE23212CD213AA3	4569	SD2	18.4	91.0	430	
20	3600	256T	575	SD100	1LE23212BA213AA3	2294	SD2	18.0	91.0	323	✓
20	1800	256T	575	SD100	1LE23212BB213AA3	2274	SD2	20.0	93.0	322	✓
20	1200	286T	575	SD100	1LE23212CC213AA3	3598	SD2	21.5	91.7	465	✓
20	900	324T	575	SD100	1LE23213AD113AA3	5585	SD2	24.8	91.0	567	
25	3600	284TS	575	SD100	1LE23212DA113AA3	2702	SD2	23.0	91.7	415	✓
25	1800	284TS	575	SD100	1LE23212DB113AA3	2587	SD2	24.0	93.6	445	
25	1800	284T	575	SD100	1LE23212CB113AA3	2587	SD2	24.0	93.6	445	✓
25	1200	324T	575	SD100	1LE23213AC113AA3	4235	SD2	26.0	93.0	640	
25	900	326T	575	SD100	1LE23213AD213AA3	6487	SD2	30.4	90.2	600	
30	3600	286TS	575	SD100	1LE23212DA213AA3	3155	SD2	27.0	91.7	430	✓
30	1800	286TS	575	SD100	1LE23212DB213AA3	3010	SD2	28.0	93.6	465	
30	1800	286T	575	SD100	1LE23212CB213AA3	3010	SD2	28.0	93.6	465	✓
30	1200	326T	575	SD100	1LE23213AC213AA3	5017	SD2	31.0	93.0	675	
30	900	364T	575	SD100	1LE23213CD113AA3	7676	SD2	37.6	91.0	800	

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SIMOTICS Severe duty motors

SD100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

575V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
40	3600	324TS	575	SD100	1LE23213BA113AA3	4163	SD2	36.0	93.6	575	✓
40	1800	324TS	575	SD100	1LE23213BB113AA3	3998	SD2	37.0	94.1	666	✓
40	1800	324T	575	SD100	1LE23213AB113AA3	3998	SD2	37.0	94.1	666	✓
40	1200	364T	575	SD100	1LE23213CC113AA3	6803	SD2	39.0	94.1	863	✓
40	900	365T	575	SD100	1LE23213CD213AA3	9283	SD2	50.4	91.7	875	
50	3600	326TS	575	SD100	1LE23213BA213AA3	5384	SD2	44.0	93.6	610	✓
50	1800	326TS	575	SD100	1LE23213BB213AA3	4910	SD2	46.0	94.5	700	
50	1800	326T	575	SD100	1LE23213AB213AA3	4910	SD2	46.0	94.5	700	✓
50	1200	365T	575	SD100	1LE23213CC213AA3	7810	SD2	50.0	94.1	900	✓
50	900	404T	575	SD100	1LE23214AD113AA3	11091	SD2	53.6	91.7	1135	
60	3600	364TS	575	SD100	1LE23213DA113AA3	7083	SD2	54.5	93.6	717	✓
60	1800	364TS	575	SD100	1LE23213DB113AA3	7043	SD2	54.5	95.0	930	
60	1800	364T	575	SD100	1LE23213CB113AA3	7043	SD2	54.5	95.0	930	✓
60	1200	404T	575	SD100	1LE23214AC113AA3	9150	SD2	59.0	94.5	1100	
60	900	405T	575	SD100	1LE23214AD213AA3	12668	SD2	62.4	91.7	1300	
75	3600	365TS	575	SD100	1LE23213DA213AA3	8894	SD2	68.8	94.1	815	✓
75	1800	365TS	575	SD100	1LE23213DB213AA3	8928	SD2	68.0	95.4	1000	
75	1800	365T	575	SD100	1LE23213CB213AA3	8928	SD2	68.0	95.4	1000	✓
75	1200	405T	575	SD100	1LE23214AC213AA3	10772	SD2	75.0	94.5	1150	
75	900	444T	575	SD100	1LE23214CD113AA3	16694	SD2	75.2	93.0	1625	
75	900	444T	575	SD100	1LE23214ED113AA3	16694	SD2	75.2	93.0	1625	
75	900	444TS	575	SD100	1LE23214DD113AA3	16694	SD2	75.2	93.0	1625	
100	3600	405TS	575	SD100	1LE23214BA213AA3	11919	SD2	87.0	94.1	1100	
100	1800	405TS	575	SD100	1LE23214BB213AA3	11032	SD2	90.5	95.4	1160	
100	1800	405T	575	SD100	1LE23214AB213AA3	11032	SD2	90.5	95.4	1160	✓
100	1200	444TS	575	SD100	1LE23214DC113AA3	14724	SD2	94.0	95.0	1545	
100	1200	444T	575	SD100	1LE23214CC113AA3	14724	SD2	94.0	95.0	1545	
100	1200	444T	575	SD100	1LE23214EC113AA3	14724	SD2	94.0	95.0	1545	
100	900	445T	575	SD100	1LE23214CD213AA3	20641	SD2	98.4	94.1	1900	
100	900	445T	575	SD100	1LE23214ED213AA3	20641	SD2	98.4	94.1	1900	
100	900	445TS	575	SD100	1LE23214DD213AA3	20641	SD2	98.4	94.1	1900	
125	3600	444TS	575	SD100	1LE23214DA113AA3	15574	SD2	110.0	95.0	1454	
125	1800	444TS	575	SD100	1LE23214DB113AA3	14518	SD2	115.0	95.4	1600	
125	1800	444T	575	SD100	1LE23214CB113AA3	14518	SD2	115.0	95.4	1600	✓
125	1800	444T	575	SD100	1LE23214EB113AA3	14518	SD2	115.0	95.4	1600	✓
125	1200	445TS	575	SD100	1LE23214DC213AA3	18079	SD2	115.0	95.0	1720	
125	1200	445T	575	SD100	1LE23214CC213AA3	18079	SD2	115.0	95.0	1720	
125	1200	445T	575	SD100	1LE23214EC213AA3	18079	SD2	115.0	95.0	1720	
125	900	447T	575	SD100	1LE23214CD313AA3	21897	SD2	121.6	93.6	2280	
125	900	447T	575	SD100	1LE23214ED313AA3	21897	SD2	121.6	93.6	2280	
125	900	447TS	575	SD100	1LE23214DD313AA3	21897	SD2	121.6	93.6	2280	

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DOE#CC032A

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SIMOTICS Severe duty motors

SD100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

575V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
150	3600	445TS	575	SD100	1LE23214DA213AA3	18709	SD2	131.0	95.0	1615	
150	1800	445TS	575	SD100	1LE23214DB213AA3	16878	SD2	136.0	95.8	1710	✓
150	1800	445T	575	SD100	1LE23214CB213AA3	16878	SD2	136.0	95.8	1710	✓
150	1800	445T	575	SD100	1LE23214EB213AA3	16878	SD2	136.0	95.8	1710	✓
150	1200	447TS	575	SD100	1LE23214DC313AA3	20228	SD2	138.0	95.8	1995	
150	1200	447T	575	SD100	1LE23214CC313AA3	20228	SD2	138.0	95.8	1995	
150	1200	447T	575	SD100	1LE23214EC313AA3	20228	SD2	138.0	95.8	1995	
150	900	447T	575	SD100	1LE23214CD413AA3	27964	SD2	148.8	94.1	2280	
150	900	447T	575	SD100	1LE23214ED413AA3	27964	SD2	148.8	94.1	2280	
150	900	447TS	575	SD100	1LE23214DD413AA3	27964	SD2	148.8	94.1	2280	
200	3600	447TS	575	SD100	1LE23214DA313AA3	23666	SD2	173.0	95.4	1890	
200	1800	447TS	575	SD100	1LE23214DB313AA3	20529	SD2	181.0	96.2	2035	✓
200	1800	447T	575	SD100	1LE23214CB313AA3	20529	SD2	181.0	96.2	2035	✓
200	1800	447T	575	SD100	1LE23214EB313AA3	20529	SD2	181.0	96.2	2035	✓
200	1200	449TS	575	SD100	1LE23214DC513AA3	24761	SD2	182.0	95.8	2425	
200	1200	449T	575	SD100	1LE23214CC513AA3	24761	SD2	182.0	95.8	2425	
200	1200	449T	575	SD100	1LE23214EC513AA3	24761	SD2	182.0	95.8	2425	
200	900	S449LS	575	SD100	1LE23214FD113AA3	28374	SD2	192.8	94.5	3200	
200	900	S449SS	575	SD100	1LE23214GD113AA3	28374	SD2	192.8	94.5	3200	
250	3600	449TS	575	SD100	1LE23214DA513AA3	29849	SD2	212.0	95.8	2272	
250	1800	449TS 2)	575	SD100	1LE23214DB513AA3	25755	SD2	223.0	96.2	2425	
250	1800	449T 2)	575	SD100	1LE23214CB513AA3	25755	SD2	223.0	96.2	2425	
250	1800	449T 2)	575	SD100	1LE23214EB513AA3	25755	SD2	223.0	96.2	2425	
250	1200	449TS 2)	575	SD100	1LE23214DC613AA3	26944	SD2	225.0	95.8	2390	
250	1200	449T 2)	575	SD100	1LE23214CC613AA3	26944	SD2	225.0	95.8	2390	
250	1200	449T 2)	575	SD100	1LE23214EC613AA3	26944	SD2	225.0	95.8	2390	
250	900	S449LS	575	SD100	1LE23214FD213AA3	40437	SD2	303.0	94.5	3316	
300	3600	449TS	575	SD100	1LE23214DA613AA3	40858	SD2	260.0	95.8	2200	
300	1800	449TS 2)	575	SD100	1LE23214DB613AA3	30036	SD2	270.0	96.2	3130	
300	1800	449T 2)	575	SD100	1LE23214CB613AA3	30036	SD2	270.0	96.2	3130	
300	1800	449T 2)	575	SD100	1LE23214EB613AA3	30036	SD2	270.0	96.2	3130	
300	1200	S449LS 2)	575	SD100	1LE23214FC113AA3	55251	SD2	272.0	95.8	3240	
350	3600	S449SS 1)	575	SD100	1LE23214GA113AA3	41992	SD2	296.0	95.8	2890	
350	1800	S449SS	575	SD100	1LE23214GB213AA3	39003	SD2	312.0	96.2	3190	
350	1800	S449LS	575	SD100	1LE23214FB213AA3	39003	SD2	312.0	96.2	3190	
400	3600	S449SS 1)	575	SD100	1LE23214GA313AA3	52365	SD2	338.0	95.8	3065	
400	1800	S449SS	575	SD100	1LE23214GB313AA3	48649	SD2	363.0	96.2	3240	
400	1800	S449LS	575	SD100	1LE23214FB313AA3	48649	SD2	363.0	96.2	3240	

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QuikMOD Delivery for stocked motors only.
Shaded ratings indicated roller bearings.
Stock availability subject to change.

1) CW Rotation facing opposite DE
2) NEMA design A
Prices and Specifications are subject to change without notice.
DOE#CC032A

SIMOTICS Severe duty motors

SD100 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

575V 60Hz – C-Face Footless

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	3600	143TC	575	SD100	1LE23211AA113GA3	664	SD2	1.1	82.5	75	
1	1800	143TC	575	SD100	1LE23211AB213GA3	627	SD2	1.1	85.5	76	
1	1200	145TC	575	SD100	1LE23211AC313GA3	753	SD2	1.3	82.5	77	
1	900	182TC	575	SD100	1LE23211CD113GA3	1032	SD2	1.6	74.0	106	
1.5	3600	143TC	575	SD100	1LE23211AA213GA3	664	SD2	1.6	84.0	70	
1.5	1800	145TC	575	SD100	1LE23211AB313GA3	685	SD2	1.7	86.5	80	
1.5	1200	182TC	575	SD100	1LE23211CC113GA3	879	SD2	1.9	87.5	113	
1.5	900	184TC	575	SD100	1LE23211CD313GA3	1146	SD2	2.4	77.0	119	
2	3600	145TC	575	SD100	1LE23211AA313GA3	776	SD2	2.0	85.5	72	
2	1800	145TC	575	SD100	1LE23211AB413GA3	745	SD2	2.2	86.5	80	
2	1200	184TC	575	SD100	1LE23211CC313GA3	967	SD2	2.6	88.5	122	
2	900	213TC	575	SD100	1LE23212AD113GA3	1307	SD2	2.6	82.5	143	
3	3600	182TC	575	SD100	1LE23211CA113GA3	903	SD2	3.0	86.5	107	
3	1800	182TC	575	SD100	1LE23211CB113GA3	858	SD2	3.2	89.5	118	
3	1200	213TC	575	SD100	1LE23212AC113GA3	1149	SD2	3.4	89.5	164	
3	900	215TC	575	SD100	1LE23212AD213GA3	1753	SD2	3.8	84.0	158	
5	3600	184TC	575	SD100	1LE23211CA313GA3	1087	SD2	4.8	88.5	118	
5	1800	184TC	575	SD100	1LE23211CB313GA3	980	SD2	5.2	89.5	124	
5	1200	215TC	575	SD100	1LE23212AC213GA3	1565	SD2	5.4	89.5	176	
5	900	254TC	575	SD100	1LE23212BD113GA3	2459	SD2	7.0	85.5	247	
7.5	3600	213TC	575	SD100	1LE23212AA113GA3	1253	SD2	7.0	89.5	160	
7.5	1800	213TC	575	SD100	1LE23212AB113GA3	1249	SD2	7.8	91.7	191	
7.5	1200	254TC	575	SD100	1LE23212BC113GA3	2032	SD2	8.0	91.0	292	
7.5	900	256TC	575	SD100	1LE23212BD213GA3	2810	SD2	10.5	85.5	279	
10	3600	215TC	575	SD100	1LE23212AA213GA3	1481	SD2	9.2	90.2	174	
10	1800	215TC	575	SD100	1LE23212AB213GA3	1519	SD2	10.0	91.7	197	
10	1200	256TC	575	SD100	1LE23212BC213GA3	2508	SD2	11.0	91.0	288	
15	3600	254TC	575	SD100	1LE23212BA113GA3	2033	SD2	14.0	91.0	287	
15	1800	254TC	575	SD100	1LE23212BB113GA3	2006	SD2	15.0	92.4	289	
20	3600	256TC	575	SD100	1LE23212BA213GA3	2474	SD2	18.0	91.0	323	
20	1800	256TC	575	SD100	1LE23212BB213GA3	2454	SD2	20.0	93.0	322	

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Stock availability subject to change.
Prices and Specifications are subject to change without notice.
DOE#CC032A

- Introduction
- General Purpose Motors
- Severe Duty Motors
- Hazardous Duty Motors
- Definite Purpose Motors
- QuikMOD Detail
- Custom Options Detail
- Replacement Parts
- Typical Performance Data
- General Dimensions
- Part Number Index

SIMOTICS Severe duty motors

SD100 (Cast iron frame)

NEMA Premium®
Die cast copper rotor

460V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	1800	143T	208-230/460	SD100	1LE23111AB214AA3	627	SD2	1.5	86.5	81	✓
1	1200	145T	208-230/460	SD100	1LE23111AC314AA3	780	SD2	1.6	84.0	81	✓
1.5	3600	143T	208-230/460	SD100	1LE23111AA214AA3	671	SD2	1.9	87.5	80	✓
1.5	1800	145T	208-230/460	SD100	1LE23111AB314AA3	695	SD2	2.1	87.5	81	✓
2	3600	145T	208-230/460	SD100	1LE23111AA314AA3	802	SD2	2.6	88.5	80	✓
2	1800	145T	208-230/460	SD100	1LE23111AB414AA3	765	SD2	2.8	87.5	81	✓
3	3600	182T	208-230/460	SD100	1LE23111CA114AA3	903	SD2	3.8	89.5	121	✓
3	1800	182T	208-230/460	SD100	1LE23111CB114AA3	847	SD2	4.0	90.2	125	✓
3	1200	213T	208-230/460	SD100	1LE23112AC114AA3	1198	SD2	4.3	90.2	170	✓
5	3600	184T	208-230/460	SD100	1LE23111CA314AA3	1117	SD2	6.2	90.2	123	✓
5	1800	184T	208-230/460	SD100	1LE23111CB314AA3	990	SD2	6.7	90.2	129	✓
5	1200	215T	208-230/460	SD100	1LE23112AC214AA3	1688	SD2	7.0	90.2	184	✓
7.5	3600	213T	208-230/460	SD100	1LE23112AA114AA3	1312	SD2	8.5	91.7	191	✓
7.5	1800	213T	208-230/460	SD100	1LE23112AB114AA3	1304	SD2	9.5	92.4	198	✓
7.5	1200	254T	208-230/460	SD100	1LE23112BC114AA3	2181	SD2	10.5	92.4	336	✓
10	3600	215T	208-230/460	SD100	1LE23112AA214AA3	1579	SD2	11.5	91.7	196	✓
10	1800	215T	208-230/460	SD100	1LE23112AB214AA3	1617	SD2	12.5	92.4	206	✓
10	1200	256T	208-230/460	SD100	1LE23112BC214AA3	2742	SD2	13.5	92.4	337	✓
15	3600	254T	208-230/460	SD100	1LE23112BA114AA3	2168	SD2	17.0	92.4	309	✓
15	1800	254T	208-230/460	SD100	1LE23112BB114AA3	2131	SD2	19.0	93.0	297	✓
20	3600	256T	208-230/460	SD100	1LE23112BA214AA3	2684	SD2	22.5	92.4	333	✓
20	1800	256T	208-230/460	SD100	1LE23112BB214AA3	2653	SD2	25.0	93.6	341	✓

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DOE#CC032A

SIMOTICS Severe duty motors

SD100 (Cast iron frame)

NEMA Premium®
Die cast copper rotor

460V 60Hz – C-face footless

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff (%)	Lbs	Stock
1	1800	143TC	208-230/460	SD100	1LE23111AB214GA3	717	SD2	1.5	86.5	81	✓
1	1200	145TC	208-230/460	SD100	1LE23111AC314GA3	870	SD2	1.6	84.0	81	✓
1.5	3600	143TC	208-230/460	SD100	1LE23111AA214GA3	761	SD2	1.9	87.5	80	✓
1.5	1800	145TC	208-230/460	SD100	1LE23111AB314GA3	785	SD2	2.1	87.5	81	✓
2	3600	145TC	208-230/460	SD100	1LE23111AA314GA3	892	SD2	2.6	88.5	80	✓
2	1800	145TC	208-230/460	SD100	1LE23111AB414GA3	855	SD2	2.8	87.5	81	✓
3	3600	182TC	208-230/460	SD100	1LE23111CA114GA3	1035	SD2	3.8	89.5	121	✓
3	1800	182TC	208-230/460	SD100	1LE23111CB114GA3	979	SD2	4.0	90.2	125	✓
3	1200	213TC	208-230/460	SD100	1LE23112AC114GA3	1330	SD2	4.3	90.2	170	✓
5	3600	184TC	208-230/460	SD100	1LE23111CA314GA3	1249	SD2	6.2	90.2	123	✓
5	1800	184TC	208-230/460	SD100	1LE23111CB314GA3	1122	SD2	6.7	90.2	129	✓
5	1200	215TC	208-230/460	SD100	1LE23112AC214GA3	1820	SD2	7.0	90.2	184	✓
7.5	3600	213TC	208-230/460	SD100	1LE23112AA114GA3	1444	SD2	8.5	91.7	191	✓
7.5	1800	213TC	208-230/460	SD100	1LE23112AB114GA3	1436	SD2	9.5	92.4	198	✓
7.5	1200	254TC	208-230/460	SD100	1LE23112BC114GA3	2361	SD2	10.5	92.4	336	✓
10	3600	215TC	208-230/460	SD100	1LE23112AA214GA3	1711	SD2	11.5	91.7	196	✓
10	1800	215TC	208-230/460	SD100	1LE23112AB214GA3	1749	SD2	12.5	92.4	206	✓
10	1200	256TC	208-230/460	SD100	1LE23112BC214GA3	2922	SD2	13.5	92.4	337	✓
15	3600	254TC	208-230/460	SD100	1LE23112BA114GA3	2348	SD2	17.0	92.4	309	✓
15	1800	254TC	208-230/460	SD100	1LE23112BB114GA3	2311	SD2	19.0	93.0	297	✓
20	3600	256TC	208-230/460	SD100	1LE23112BA214GA3	2864	SD2	22.5	92.4	333	✓
20	1800	256TC	208-230/460	SD100	1LE23112BB214GA3	2833	SD2	25.0	93.6	341	✓

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DOE#CC032A

SIMOTICS Severe duty motors

SD100 (Cast iron frame)

NEMA Premium®
Die cast copper rotor

575V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	1800	143T	575	SD100	1LE23111AB213AA3	627	SD2	1.2	86.5	81	✓
1	1200	145T	575	SD100	1LE23111AC313AA3	780	SD2	1.3	84.0	81	✓
1.5	3600	143T	575	SD100	1LE23111AA213AA3	671	SD2	1.5	87.5	80	✓
1.5	1800	145T	575	SD100	1LE23111AB313AA3	695	SD2	1.7	87.5	81	✓
2	3600	145T	575	SD100	1LE23111AA313AA3	802	SD2	2.1	88.5	80	✓
2	1800	145T	575	SD100	1LE23111AB413AA3	765	SD2	2.2	87.5	81	✓
3	3600	182T	575	SD100	1LE23111CA113AA3	903	SD2	3.0	89.5	121	✓
3	1800	182T	575	SD100	1LE23111CB113AA3	847	SD2	3.2	90.2	125	✓
3	1200	213T	575	SD100	1LE23112AC113AA3	1198	SD2	3.4	90.2	170	✓
5	3600	184T	575	SD100	1LE23111CA313AA3	1117	SD2	5.0	90.2	123	✓
5	1800	184T	575	SD100	1LE23111CB313AA3	990	SD2	5.4	90.2	129	✓
5	1200	215T	575	SD100	1LE23112AC213AA3	1688	SD2	5.6	90.2	184	✓
7.5	3600	213T	575	SD100	1LE23112AA113AA3	1312	SD2	6.8	91.7	191	✓
7.5	1800	213T	575	SD100	1LE23112AB113AA3	1304	SD2	7.6	92.4	198	✓
7.5	1200	254T	575	SD100	1LE23112BC113AA3	2181	SD2	8.4	92.4	336	✓
10	3600	215T	575	SD100	1LE23112AA213AA3	1579	SD2	9.2	91.7	196	✓
10	1800	215T	575	SD100	1LE23112AB213AA3	1617	SD2	10.0	92.4	206	✓
10	1200	256T	575	SD100	1LE23112BC213AA3	2742	SD2	11.0	92.4	337	✓
15	3600	254T	575	SD100	1LE23112BA113AA3	2168	SD2	13.5	92.4	309	✓
15	1800	254T	575	SD100	1LE23112BB113AA3	2131	SD2	15.0	93.0	297	✓
20	3600	256T	575	SD100	1LE23112BA213AA3	2684	SD2	18.0	92.4	333	✓
20	1800	256T	575	SD100	1LE23112BB213AA3	2653	SD2	20.0	93.6	341	✓

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Stock availability subject to change.
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DOE#CC032A

SIMOTICS Severe duty motors

SD100 (Cast iron frame)

NEMA Premium®
Die cast copper rotor

575V 60Hz – C-face footless

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	1800	143TC	575	SD100	1LE23111AB213GA3	717	SD2	1.2	86.5	81	
1	1200	145TC	575	SD100	1LE23111AC313GA3	870	SD2	1.3	84.0	81	
1.5	3600	143TC	575	SD100	1LE23111AA213GA3	761	SD2	1.5	87.5	80	
1.5	1800	145TC	575	SD100	1LE23111AB313GA3	785	SD2	1.7	87.5	81	
2	3600	145TC	575	SD100	1LE23111AA313GA3	892	SD2	2.1	88.5	80	
2	1800	145TC	575	SD100	1LE23111AB413GA3	855	SD2	2.2	87.5	81	
3	3600	182TC	575	SD100	1LE23111CA113GA3	1035	SD2	3.0	89.5	121	
3	1800	182TC	575	SD100	1LE23111CB113GA3	979	SD2	3.2	90.2	125	
3	1200	213TC	575	SD100	1LE23112AC113GA3	1330	SD2	3.4	90.2	170	
5	3600	184TC	575	SD100	1LE23111CA313GA3	1249	SD2	5.0	90.2	123	
5	1800	184TC	575	SD100	1LE23111CB313GA3	1122	SD2	5.4	90.2	129	
5	1200	215TC	575	SD100	1LE23112AC213GA3	1820	SD2	5.6	90.2	184	
7.5	3600	213TC	575	SD100	1LE23112AA113GA3	1444	SD2	6.8	91.7	191	
7.5	1800	213TC	575	SD100	1LE23112AB113GA3	1436	SD2	7.6	92.4	198	
7.5	1200	254TC	575	SD100	1LE23112BC113GA3	2361	SD2	8.4	92.4	336	
10	3600	215TC	575	SD100	1LE23112AA213GA3	1711	SD2	9.2	91.7	196	
10	1800	215TC	575	SD100	1LE23112AB213GA3	1749	SD2	10.0	92.4	206	
10	1200	256TC	575	SD100	1LE23112BC213GA3	2922	SD2	11.0	92.4	337	
15	3600	254TC	575	SD100	1LE23112BA113GA3	2348	SD2	13.5	92.4	309	
15	1800	254TC	575	SD100	1LE23112BB113GA3	2311	SD2	15.0	93.0	297	
20	3600	256TC	575	SD100	1LE23112BA213GA3	2864	SD2	18.0	92.4	333	
20	1800	256TC	575	SD100	1LE23112BB213GA3	2833	SD2	20.0	93.6	341	

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QuikMOD Delivery for stocked motors only.

Stock availability subject to change.
Prices and Specifications are subject to change without notice.
DOE#CC032A

- Introduction
- General Purpose Motors
- Severe Duty Motors
- Hazardous Duty Motors
- Definite Purpose Motors
- QuikMOD Detail
- Custom Options Detail
- Replacement Parts
- Typical Performance Data
- General Dimensions
- Part Number Index

SIMOTICS Severe duty motors

SD100 IEEE841 (Cast iron frame)

SD100 IEEE841 severe duty/IEEE 841 TEFC motors are available in two configurations which exceed NEMA Premium® efficiency with our exclusive, leading-edge, die cast copper rotor design (143T-256T) or meet NEMA Premium® efficiency with our die cast aluminum rotor design (143T-S449). They also exceed IEEE Std 841TM-2009 standards for high performance, rugged construction and long service life, for the most demanding industrial applications. They are ideal for use in chemical processing, mining, foundry, pulp and paper, waste management and petro/chemical applications.

Performance specifications

- 1 to 400 HP
- 1.15 service factor, 40°C ambient
- 3600, 1800, 1200 or 900 RPM
- 3-phase, 60 Hz; 460V and 575V 1 - 400 HP
- Meets or exceeds NEMA Premium® efficiency standards. (EPA efficiency for 900RPM Motors)
- Class F insulation, Class B temperature rise @ 1.0 S.F.
- NEMA design B (except as noted), continuous duty
- 0.06 IPS vibration / 0.005" foot flatness
- Meets or exceeds IEEE Std 841TM-2009
- Meets IP55 and IEEE 45 marine duty
- 143T to S449
- Adjustable speed drive capability

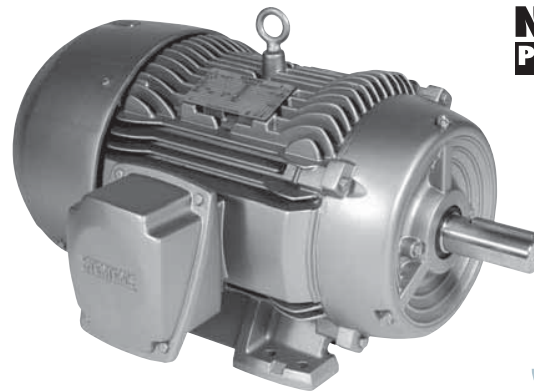
VT 20:1	FS 140 - 440
CT 4:1	FS 140 - 440
CT 10:1	FS 140 - 250 (Cu)

Features for long life

Frame and bearing housings – Cast iron construction for exceptional structural integrity and corrosion resistance, equipped with integrally cast feet. Condensation T-drains provided. Lifting eyebolts are included with motors > 75 lbs.

Rotor – Frame sizes 143T-256T offer Siemens exclusive, leading edge, die cast copper rotor design which provides industry leading efficiencies, exceeding NEMA Premium®. Die cast aluminum rotor motors (143T-S449) meet or exceed NEMA Premium® efficiency levels, are dynamically balanced for extended bearing life. Rotor assembly 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 reduce losses and improve efficiencies. A unique stator core design lowers flux density while increasing cooling capacity. Large conductor cross-section reduces resistance and lowers stator losses.



NEMA Premium®

5 YEAR WARRANTY

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 adjustable frequency drives.

Cooling – A bi-directional, non-sparking fan is locked and keyed to the shaft. Its 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 at both ends of the motor.

Lubrication – A specially formulated, high temperature tested, polyurea based grease. Seamless, stainless steel grease filled lubrication pipes are included.

Conduit box – Oversized cast iron construction that is larger than industry standards, diagonally-split, gasket and rotatable in 90° increments for quick and easy connections. A ground lug is provided. 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 and custom – Siemens SIMOTICS motors are available with a wide variety of QuikMOD modifications and custom designs to meet your specific motor needs.



NEMA Premium® is a certification mark of the National Electrical Manufacturers Association.

SIMOTICS Severe duty motors

SD100 IEEEE841 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

460V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	3600	143T	460	SD100 IEEEE841	1LE24211AA112AA3	787	SD3	1.4	82.5	75	✓
1	1800	143T	460	SD100 IEEEE841	1LE24211AB212AA3	762	SD3	1.4	85.5	76	✓
1	1200	145T	460	SD100 IEEEE841	1LE24211AC312AA3	898	SD3	1.6	82.5	77	✓
1	900	182T	460	SD100 IEEEE841	1LE24211CD112AA3	1457	SD3	2.1	81.5	106	✓
1.5	3600	143T	460	SD100 IEEEE841	1LE24211AA212AA3	788	SD3	2.0	84.0	70	✓
1.5	1800	145T	460	SD100 IEEEE841	1LE24211AB312AA3	822	SD3	2.1	86.5	80	✓
1.5	1200	182T	460	SD100 IEEEE841	1LE24211CC112AA3	1006	SD3	2.4	87.5	113	✓
1.5	900	184T	460	SD100 IEEEE841	1LE24211CD312AA3	1719	SD3	3.3	82.5	119	✓
2	3600	145T	460	SD100 IEEEE841	1LE24211AA312AA3	904	SD3	2.5	85.5	72	✓
2	1800	145T	460	SD100 IEEEE841	1LE24211AB412AA3	878	SD3	2.8	86.5	80	✓
2	1200	184T	460	SD100 IEEEE841	1LE24211CC312AA3	1071	SD3	3.2	88.5	122	✓
2	900	213T	460	SD100 IEEEE841	1LE24212AD112AA3	2023	SD3	3.3	84.0	145	✓
3	3600	182T	460	SD100 IEEEE841	1LE24211CA112AA3	947	SD3	3.8	86.5	107	✓
3	1800	182T	460	SD100 IEEEE841	1LE24211CB112AA3	907	SD3	4.0	89.5	118	✓
3	1200	213T	460	SD100 IEEEE841	1LE24212AC112AA3	1350	SD3	4.3	89.5	164	✓
3	900	215T	460	SD100 IEEEE841	1LE24212AD212AA3	2565	SD3	4.8	85.5	160	✓
5	3600	184T	460	SD100 IEEEE841	1LE24211CA312AA3	1159	SD3	6.0	88.5	118	✓
5	1800	184T	460	SD100 IEEEE841	1LE24211CB312AA3	1039	SD3	6.5	89.5	124	✓
5	1200	215T	460	SD100 IEEEE841	1LE24212AC212AA3	1787	SD3	6.7	89.5	176	✓
5	900	254T	460	SD100 IEEEE841	1LE24212BD112AA3	3428	SD3	8.8	86.5	247	✓
7.5	3600	213T	460	SD100 IEEEE841	1LE24212AA112AA3	1421	SD3	8.8	89.5	160	✓
7.5	1800	213T	460	SD100 IEEEE841	1LE24212AB112AA3	1380	SD3	9.7	91.7	191	✓
7.5	1200	254T	460	SD100 IEEEE841	1LE24212BC112AA3	2284	SD3	10.0	91.0	292	✓
7.5	900	256T	460	SD100 IEEEE841	1LE24212BD212AA3	4297	SD3	13.0	87.5	279	✓
10	3600	215T	460	SD100 IEEEE841	1LE24212AA212AA3	1634	SD3	11.5	90.2	174	✓
10	1800	215T	460	SD100 IEEEE841	1LE24212AB212AA3	1652	SD3	12.5	91.7	197	✓
10	1200	256T	460	SD100 IEEEE841	1LE24212BC212AA3	2840	SD3	13.5	91.0	288	✓
10	900	284T	460	SD100 IEEEE841	1LE24212CD112AA3	4398	SD3	15.0	90.2	362	✓
15	3600	254T	460	SD100 IEEEE841	1LE24212BA112AA3	2216	SD3	17.5	91.0	287	✓
15	1800	254T	460	SD100 IEEEE841	1LE24212BB112AA3	2177	SD3	19.0	92.4	289	✓
15	1200	284T	460	SD100 IEEEE841	1LE24212CC112AA3	3541	SD3	21.0	91.7	400	✓
15	900	286T	460	SD100 IEEEE841	1LE24212CD212AA3	5623	SD3	23.0	90.2	420	✓
20	3600	256T	460	SD100 IEEEE841	1LE24212BA212AA3	2720	SD3	22.5	91.0	323	✓
20	1800	256T	460	SD100 IEEEE841	1LE24212BB212AA3	2806	SD3	25.0	93.0	322	✓
20	1200	286T	460	SD100 IEEEE841	1LE24212CC212AA3	4316	SD3	27.0	91.7	465	✓
20	900	324T	460	SD100 IEEEE841	1LE24213AD112AA3	6875	SD3	31.0	91.0	570	✓

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900 RPM Motors meet or exceed EPC efficiency.
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DOE#CC032A

SIMOTICS Severe duty motors

SD100 IEEEE841 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

460V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
25	3600	284TS	460	SD100 IEEEE841	1LE24212DA112AA3	3231	SD3	29.0	91.7	415	✓
25	1800	284T	460	SD100 IEEEE841	1LE24212CB112AA3	3086	SD3	30.0	93.6	445	✓
25	1800	284TS	460	SD100 IEEEE841	1LE24212DB112AA3	3086	SD3	30.0	93.6	445	✓
25	1200	324T	460	SD100 IEEEE841	1LE24213AC112AA3	5227	SD3	33.0	93.0	640	✓
25	900	326T	460	SD100 IEEEE841	1LE24213AD212AA3	7986	SD3	41.0	90.2	582	✓
30	3600	286TS	460	SD100 IEEEE841	1LE24212DA212AA3	3775	SD3	34.0	91.7	430	✓
30	1800	286T	460	SD100 IEEEE841	1LE24212CB212AA3	3588	SD3	35.0	93.6	465	✓
30	1800	286TS	460	SD100 IEEEE841	1LE24212DB212AA3	3588	SD3	35.0	93.6	465	✓
30	1200	326T	460	SD100 IEEEE841	1LE24213AC212AA3	6022	SD3	39.0	93.0	675	✓
30	900	364T	460	SD100 IEEEE841	1LE24213CD112AA3	9453	SD3	47.0	91.7	740	✓
40	3600	324TS	460	SD100 IEEEE841	1LE24213BA112AA3	4978	SD3	45.0	93.6	575	✓
40	1800	324T	460	SD100 IEEEE841	1LE24213AB112AA3	4767	SD3	46.0	94.1	666	✓
40	1800	324TS	460	SD100 IEEEE841	1LE24213BB112AA3	4767	SD3	46.0	94.1	666	✓
40	1200	364T	460	SD100 IEEEE841	1LE24213CC112AA3	8160	SD3	49.0	94.1	863	✓
40	900	365T	460	SD100 IEEEE841	1LE24213CD212AA3	11428	SD3	63.0	91.7	840	✓
50	3600	326TS	460	SD100 IEEEE841	1LE24213BA212AA3	6328	SD3	55.0	93.6	610	✓
50	1800	326T	460	SD100 IEEEE841	1LE24213AB212AA3	5803	SD3	58.0	94.5	700	✓
50	1800	326TS	460	SD100 IEEEE841	1LE24213BB212AA3	5803	SD3	58.0	94.5	700	✓
50	1200	365T	460	SD100 IEEEE841	1LE24213CC212AA3	9287	SD3	62.0	94.1	900	✓
50	900	404T	460	SD100 IEEEE841	1LE24214AD112AA3	13302	SD3	67.0	92.4	1116	✓
60	3600	364TS	460	SD100 IEEEE841	1LE24213DA112AA3	8398	SD3	68.0	93.6	717	✓
60	1800	364T	460	SD100 IEEEE841	1LE24213CB112AA3	8253	SD3	68.0	95.0	930	✓
60	1800	364TS	460	SD100 IEEEE841	1LE24213DB112AA3	8253	SD3	68.0	95.0	930	✓
60	1200	404T	460	SD100 IEEEE841	1LE24214AC112AA3	10599	SD3	74.0	94.5	1100	✓
60	900	405T	460	SD100 IEEEE841	1LE24214AD212AA3	14927	SD3	78.0	92.4	1182	✓
75	3600	365TS	460	SD100 IEEEE841	1LE24213DA212AA3	10545	SD3	86.0	94.1	815	✓
75	1800	365T	460	SD100 IEEEE841	1LE24213CB212AA3	10279	SD3	85.0	95.4	1000	✓
75	1800	365TS	460	SD100 IEEEE841	1LE24213DB212AA3	10279	SD3	85.0	95.4	1000	✓
75	1200	405T	460	SD100 IEEEE841	1LE24214AC212AA3	12368	SD3	93.0	94.5	1150	✓
75	900	444T	460	SD100 IEEEE841	1LE24214CD112AA3	19848	SD3	94.0	93.6	1525	✓
75	900	444TS	460	SD100 IEEEE841	1LE24214DD112AA3	19848	SD3	94.0	93.6	1525	
75	900	444T	460	SD100 IEEEE841	1LE24214ED112AA3	19848	SD3	94.0	93.6	1525	

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Stock availability subject to change.
900 RPM Motors meet or exceed EPAct efficiency.
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DOE#CC032A

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SIMOTICS Severe duty motors

SD100 IEEEE841 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

460V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
100	3600	405TS	460	SD100 IEEEE841	1LE24214BA212AA3	14007	SD3	108.0	94.1	1100	✓
100	1800	405T	460	SD100 IEEEE841	1LE24214AB212AA3	12699	SD3	113.0	95.4	1160	✓
100	1800	405TS	460	SD100 IEEEE841	1LE24214BB212AA3	12699	SD3	113.0	95.4	1160	✓
100	1200	444T	460	SD100 IEEEE841	1LE24214CC112AA3	17054	SD3	117.0	95.0	1545	✓
100	1200	444TS	460	SD100 IEEEE841	1LE24214DC112AA3	17054	SD3	117.0	95.0	1545	
100	1200	444T	460	SD100 IEEEE841	1LE24214EC112AA3	17054	SD3	117.0	95.0	1545	✓
100	900	445T	460	SD100 IEEEE841	1LE24214CD212AA3	24322	SD3	123.0	94.1	1697	✓
100	900	445TS	460	SD100 IEEEE841	1LE24214DD212AA3	24322	SD3	123.0	94.1	1697	
100	900	445T	460	SD100 IEEEE841	1LE24214ED212AA3	24322	SD3	123.0	94.1	1697	
125	3600	444TS	460	SD100 IEEEE841	1LE24214DA112AA3	17992	SD3	140.0	95.0	1454	✓
125	1800	444T	460	SD100 IEEEE841	1LE24214CB112AA3	16570	SD3	143.0	95.4	1600	✓
125	1800	444TS	460	SD100 IEEEE841	1LE24214DB112AA3	16570	SD3	143.0	95.4	1600	✓
125	1800	444T	460	SD100 IEEEE841	1LE24214EB112AA3	16570	SD3	143.0	95.4	1600	✓
125	1200	445T	460	SD100 IEEEE841	1LE24214CC212AA3	20577	SD3	144.0	95.0	1720	✓
125	1200	445TS	460	SD100 IEEEE841	1LE24214DC212AA3	20577	SD3	144.0	95.0	1720	✓
125	1200	445T	460	SD100 IEEEE841	1LE24214EC212AA3	20577	SD3	144.0	95.0	1720	✓
125	900	447T	460	SD100 IEEEE841	1LE24214CD312AA3	24984	SD3	152.0	94.1	2018	✓
125	900	447TS	460	SD100 IEEEE841	1LE24214DD312AA3	24984	SD3	152.0	94.1	2018	
125	900	447T	460	SD100 IEEEE841	1LE24214ED312AA3	24984	SD3	152.0	94.1	2018	
150	3600	445TS	460	SD100 IEEEE841	1LE24214DA212AA3	21035	SD3	162.0	95.0	1615	✓
150	1800	445T	460	SD100 IEEEE841	1LE24214CB212AA3	18742	SD3	170.0	95.8	1710	✓
150	1800	445TS	460	SD100 IEEEE841	1LE24214DB212AA3	18742	SD3	170.0	95.8	1710	✓
150	1800	445T	460	SD100 IEEEE841	1LE24214EB212AA3	18742	SD3	170.0	95.8	1710	✓
150	1200	447T	460	SD100 IEEEE841	1LE24214CC312AA3	22602	SD3	172.0	95.8	1995	✓
150	1200	447TS	460	SD100 IEEEE841	1LE24214DC312AA3	22602	SD3	172.0	95.8	1995	✓
150	1200	447T	460	SD100 IEEEE841	1LE24214EC312AA3	22602	SD3	172.0	95.8	1995	✓
150	900	449T	460	SD100 IEEEE841	1LE24214CD512AA3	31945	SD3	180.0	94.1	2480	✓
150	900	449TS	460	SD100 IEEEE841	1LE24214DD512AA3	31945	SD3	180.0	94.1	2480	
150	900	449T	460	SD100 IEEEE841	1LE24214ED512AA3	31945	SD3	180.0	94.1	2480	
200	3600	447TS	460	SD100 IEEEE841	1LE24214DA312AA3	26380	SD3	220.0	95.4	1890	✓
200	1800	447T	460	SD100 IEEEE841	1LE24214CB312AA3	22796	SD3	226.0	96.2	2035	✓
200	1800	447TS	460	SD100 IEEEE841	1LE24214DB312AA3	22796	SD3	226.0	96.2	2035	✓
200	1800	447T	460	SD100 IEEEE841	1LE24214EB312AA3	22796	SD3	226.0	96.2	2035	✓
200	1200	449T	460	SD100 IEEEE841	1LE24214CC512AA3	27413	SD3	227.0	95.8	2425	✓
200	1200	449TS	460	SD100 IEEEE841	1LE24214DC512AA3	27413	SD3	227.0	95.8	2425	
200	1200	449T	460	SD100 IEEEE841	1LE24214EC512AA3	27413	SD3	227.0	95.8	2425	✓
200	900	S449LS	460	SD100 IEEEE841	1LE24214FD112AA3	45526	SD3	240.0	94.5	3200	

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DOE#CC032A

SIMOTICS Severe duty motors

SD100 IEEEE841 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

460V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
250	3600	449TS	460	SD100 IEEEE841	1LE24214DA512AA3	33581	SD3	261.0	95.8	2272	✓
250	1800	449T ²⁾	460	SD100 IEEEE841	1LE24214CB512AA3	28890	SD3	278.0	96.2	2425	✓
250	1800	449TS ¹⁾	460	SD100 IEEEE841	1LE24214DB512AA3	28890	SD3	278.0	96.2	2425	
250	1800	449T ¹⁾	460	SD100 IEEEE841	1LE24214EB512AA3	28890	SD3	278.0	96.2	2425	✓
250	1200	449T ²⁾	460	SD100 IEEEE841	1LE24214CC612AA3	30125	SD3	281.0	95.8	2390	✓
250	1200	449TS ¹⁾	460	SD100 IEEEE841	1LE24214DC612AA3	30125	SD3	281.0	95.8	2390	
250	1200	449T ¹⁾	460	SD100 IEEEE841	1LE24214EC612AA3	30125	SD3	281.0	95.8	2390	
250	900	S449LS	460	SD100 IEEEE841	1LE24214FD212AA3	49878	SD3	303	94.5	3220	
300	3600	449TS ¹⁾	460	SD100 IEEEE841	1LE24214DA612AA3	42635	SD3	312.0	95.8	2200	✓
300	1800	S449LS ^{1) 2)}	460	SD100 IEEEE841	1LE24214FB112AA3	39177	SD3	334.0	96.2	3130	
300	1800	S449SS ^{1) 2)}	460	SD100 IEEEE841	1LE24214GB112AA3	39177	SD3	334.0	96.2	3130	
300	1200	S449LS ^{1) 2)}	460	SD100 IEEEE841	1LE24214FC112AA3	52342	SD3	340.0	95.8	3240	✓
300	1200	S449SS ^{1) 2)}	460	SD100 IEEEE841	1LE24214GC112AA3	52342	SD3	340.0	95.8	3240	
350	3600	S449SS ¹⁾	460	SD100 IEEEE841	1LE24214GA112AA3	51006	SD3	370.0	95.8	2890	✓
350	1800	S449LS ¹⁾	460	SD100 IEEEE841	1LE24214FB212AA3	47236	SD3	390.0	96.2	3190	
350	1800	S449SS ¹⁾	460	SD100 IEEEE841	1LE24214GB212AA3	47236	SD3	390.0	96.2	3190	
400	3600	S449SS ¹⁾	460	SD100 IEEEE841	1LE24214GA312AA3	57207	SD3	422.0	95.8	3065	✓
400	1800	S449LS ¹⁾	460	SD100 IEEEE841	1LE24214FB312AA3	52986	SD3	454.0	96.2	3240	
400	1800	S449SS ¹⁾	460	SD100 IEEEE841	1LE24214GB312AA3	52986	SD3	454.0	96.2	3240	✓

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Stock availability subject to change.

1) CW Rotation facing opposite DE
2) NEMA design A
900 RPM Motors meet or exceed EPA efficiency.
Prices and Specifications are subject to change without notice.
DOE#CC032A

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SIMOTICS Severe duty motors

SD100 IEEEE841 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

460V 60Hz – C-face footless

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	3600	143TC	460	SD100 IEEEE841	1LE24211AA112GA3	877	SD3	1.4	82.5	75	✓
1	1800	143TC	460	SD100 IEEEE841	1LE24211AB212GA3	852	SD3	1.4	85.5	76	✓
1.5	3600	143TC	460	SD100 IEEEE841	1LE24211AA212GA3	878	SD3	2.0	84.0	70	✓
1.5	1800	145TC	460	SD100 IEEEE841	1LE24211AB312GA3	912	SD3	2.1	86.5	80	✓
2	3600	145TC	460	SD100 IEEEE841	1LE24211AA312GA3	994	SD3	2.5	85.5	72	✓
2	1800	145TC	460	SD100 IEEEE841	1LE24211AB412GA3	968	SD3	2.8	86.5	80	✓
3	3600	182TC	460	SD100 IEEEE841	1LE24211CA112GA3	1079	SD3	3.8	86.5	107	✓
3	1800	182TC	460	SD100 IEEEE841	1LE24211CB112GA3	1039	SD3	4.0	89.5	118	✓
5	3600	184TC	460	SD100 IEEEE841	1LE24211CA312GA3	1291	SD3	6.0	88.5	118	✓
5	1800	184TC	460	SD100 IEEEE841	1LE24211CB312GA3	1171	SD3	6.5	89.5	124	✓
7.5	3600	213TC	460	SD100 IEEEE841	1LE24212AA112GA3	1553	SD3	8.8	89.5	160	✓
7.5	1800	213TC	460	SD100 IEEEE841	1LE24212AB112GA3	1512	SD3	9.7	91.7	191	✓
10	3600	215TC	460	SD100 IEEEE841	1LE24212AA212GA3	1766	SD3	11.5	90.2	174	✓
10	1800	215TC	460	SD100 IEEEE841	1LE24212AB212GA3	1784	SD3	12.5	91.7	197	✓
15	3600	254TC	460	SD100 IEEEE841	1LE24212BA112GA3	2396	SD3	17.5	91.0	287	✓
15	1800	254TC	460	SD100 IEEEE841	1LE24212BB112GA3	2357	SD3	19.0	92.4	289	✓
20	3600	256TC	460	SD100 IEEEE841	1LE24212BA212GA3	2900	SD3	22.5	91.0	323	✓
20	1800	256TC	460	SD100 IEEEE841	1LE24212BB212GA3	2986	SD3	25.0	93.0	322	✓

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DOE#CC032A

SIMOTICS Severe duty motors

SD100 IEEEE841 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

575V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	3600	143T	575	SD100 IEEEE841	1LE24211AA113AA3	787	SD3	1.1	82.5	75	✓
1	1800	143T	575	SD100 IEEEE841	1LE24211AB213AA3	762	SD3	1.1	85.5	76	✓
1	1200	145T	575	SD100 IEEEE841	1LE24211AC313AA3	898	SD3	1.3	82.5	77	✓
1	900	182T	575	SD100 IEEEE841	1LE24211CD113AA3	1457	SD3	1.7	81.5	106	
1.5	3600	143T	575	SD100 IEEEE841	1LE24211AA213AA3	788	SD3	1.6	84.0	70	✓
1.5	1800	145T	575	SD100 IEEEE841	1LE24211AB313AA3	822	SD3	1.7	86.5	80	✓
1.5	1200	182T	575	SD100 IEEEE841	1LE24211CC113AA3	1006	SD3	1.9	87.5	113	✓
1.5	900	184T	575	SD100 IEEEE841	1LE24211CD313AA3	1719	SD3	2.4	82.5	119	
2	3600	145T	575	SD100 IEEEE841	1LE24211AA313AA3	904	SD3	2.0	85.5	72	✓
2	1800	145T	575	SD100 IEEEE841	1LE24211AB413AA3	878	SD3	2.2	86.5	80	✓
2	1200	184T	575	SD100 IEEEE841	1LE24211CC313AA3	1071	SD3	2.6	88.5	122	✓
2	900	213T	575	SD100 IEEEE841	1LE24212AD113AA3	2023	SD3	2.6	84.0	145	
3	3600	182T	575	SD100 IEEEE841	1LE24211CA113AA3	947	SD3	3.0	86.5	107	✓
3	1800	182T	575	SD100 IEEEE841	1LE24211CB113AA3	907	SD3	3.2	89.5	118	✓
3	1200	213T	575	SD100 IEEEE841	1LE24212AC113AA3	1350	SD3	3.4	89.5	164	✓
3	900	215T	575	SD100 IEEEE841	1LE24212AD213AA3	2565	SD3	3.9	85.5	160	
5	3600	184T	575	SD100 IEEEE841	1LE24211CA313AA3	1159	SD3	4.8	88.5	118	✓
5	1800	184T	575	SD100 IEEEE841	1LE24211CB313AA3	1039	SD3	5.2	89.5	124	✓
5	1200	215T	575	SD100 IEEEE841	1LE24212AC213AA3	1787	SD3	5.4	89.5	176	✓
5	900	254T	575	SD100 IEEEE841	1LE24212BD113AA3	3428	SD3	7.0	86.5	247	
7.5	3600	213T	575	SD100 IEEEE841	1LE24212AA113AA3	1421	SD3	7.0	89.5	160	✓
7.5	1800	213T	575	SD100 IEEEE841	1LE24212AB113AA3	1380	SD3	7.8	91.7	191	✓
7.5	1200	254T	575	SD100 IEEEE841	1LE24212BC113AA3	2284	SD3	8.0	91.0	292	✓
7.5	900	256T	575	SD100 IEEEE841	1LE24212BD213AA3	4297	SD3	10.5	87.5	279	
10	3600	215T	575	SD100 IEEEE841	1LE24212AA213AA3	1634	SD3	9.2	90.2	174	✓
10	1800	215T	575	SD100 IEEEE841	1LE24212AB213AA3	1652	SD3	10.0	91.7	197	✓
10	1200	256T	575	SD100 IEEEE841	1LE24212BC213AA3	2840	SD3	11.0	91.0	288	✓
10	900	284T	575	SD100 IEEEE841	1LE24212CD113AA3	4398	SD3	12.0	90.2	362	
15	3600	254T	575	SD100 IEEEE841	1LE24212BA113AA3	2216	SD3	14.0	91.0	287	✓
15	1800	254T	575	SD100 IEEEE841	1LE24212BB113AA3	2177	SD3	15.0	92.4	289	✓
15	1200	284T	575	SD100 IEEEE841	1LE24212CC113AA3	3541	SD3	17.0	91.7	400	✓
15	900	286T	575	SD100 IEEEE841	1LE24212CD213AA3	5623	SD3	18.4	90.2	420	
20	3600	256T	575	SD100 IEEEE841	1LE24212BA213AA3	2720	SD3	18.0	91.0	323	✓
20	1800	256T	575	SD100 IEEEE841	1LE24212BB213AA3	2806	SD3	20.0	93.0	322	✓
20	1200	286T	575	SD100 IEEEE841	1LE24212CC213AA3	4316	SD3	21.5	91.7	465	✓
20	900	324T	575	SD100 IEEEE841	1LE24213AD113AA3	6875	SD3	25	91.0	570	

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SIMOTICS Severe duty motors

SD100 IEEEE841 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

575V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
25	3600	284TS	575	SD100 IEEEE841	1LE24212DA113AA3	3231	SD3	23.0	91.7	415	✓
25	1800	284T	575	SD100 IEEEE841	1LE24212CB113AA3	3086	SD3	24.0	93.6	445	✓
25	1800	284TS	575	SD100 IEEEE841	1LE24212DB113AA3	3086	SD3	24.0	93.6	445	✓
25	1200	324T	575	SD100 IEEEE841	1LE24213AC113AA3	5227	SD3	26.0	93.0	640	✓
25	900	326T	575	SD100 IEEEE841	1LE24213AD213AA3	7986	SD3	32.8	90.2	582	✓
30	3600	286TS	575	SD100 IEEEE841	1LE24212DA213AA3	3775	SD3	27.0	91.7	430	✓
30	1800	286T	575	SD100 IEEEE841	1LE24212CB213AA3	3588	SD3	28.0	93.6	465	✓
30	1800	286TS	575	SD100 IEEEE841	1LE24212DB213AA3	3588	SD3	28.0	93.6	465	✓
30	1200	326T	575	SD100 IEEEE841	1LE24213AC213AA3	6022	SD3	31.0	93.0	675	✓
30	900	364T	575	SD100 IEEEE841	1LE24213CD113AA3	9453	SD3	37.6	91.7	740	
40	3600	324TS	575	SD100 IEEEE841	1LE24213BA113AA3	4978	SD3	36.0	93.6	575	✓
40	1800	324T	575	SD100 IEEEE841	1LE24213AB113AA3	4767	SD3	37.0	94.1	666	✓
40	1800	324TS	575	SD100 IEEEE841	1LE24213BB113AA3	4767	SD3	37.0	94.1	666	✓
40	1200	364T	575	SD100 IEEEE841	1LE24213CC113AA3	8160	SD3	39.0	94.1	863	✓
40	900	365T	575	SD100 IEEEE841	1LE24213CD213AA3	11428	SD3	50.4	91.7	840	
50	3600	326TS	575	SD100 IEEEE841	1LE24213BA213AA3	6328	SD3	44.0	93.6	610	✓
50	1800	326T	575	SD100 IEEEE841	1LE24213AB213AA3	5803	SD3	46.0	94.5	700	✓
50	1800	326TS	575	SD100 IEEEE841	1LE24213BB213AA3	5803	SD3	46.0	94.5	700	✓
50	1200	365T	575	SD100 IEEEE841	1LE24213CC213AA3	9287	SD3	50.0	94.1	900	✓
50	900	404T	575	SD100 IEEEE841	1LE24214AD113AA3	13302	SD3	53.6	92.4	1116	
60	3600	364TS	575	SD100 IEEEE841	1LE24213DA113AA3	8398	SD3	54.5	93.6	717	✓
60	1800	364T	575	SD100 IEEEE841	1LE24213CB113AA3	8253	SD3	54.5	95.0	930	✓
60	1800	364TS	575	SD100 IEEEE841	1LE24213DB113AA3	8253	SD3	54.5	95.0	930	✓
60	1200	404T	575	SD100 IEEEE841	1LE24214AC113AA3	10599	SD3	59.0	94.5	1100	✓
60	900	405T	575	SD100 IEEEE841	1LE24214AD213AA3	14927	SD3	62.4	92.4	1182	
75	3600	365TS	575	SD100 IEEEE841	1LE24213DA213AA3	10545	SD3	69.0	94.1	815	✓
75	1800	365T	575	SD100 IEEEE841	1LE24213CB213AA3	10279	SD3	68.0	95.4	1000	✓
75	1800	365TS	575	SD100 IEEEE841	1LE24213DB213AA3	10279	SD3	68.0	95.4	1000	✓
75	1200	405T	575	SD100 IEEEE841	1LE24214AC213AA3	12368	SD3	75.0	94.5	1150	✓
75	900	444T	575	SD100 IEEEE841	1LE24214CD113AA3	19848	SD3	75.2	93.6	1525	
75	900	444TS	575	SD100 IEEEE841	1LE24214DD113AA3	19848	SD3	75.2	93.6	1525	
75	900	444T	575	SD100 IEEEE841	1LE24214ED113AA3	24322	SD3	75.2	93.6	1525	

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DOE#CC032A

SIMOTICS Severe duty motors

SD100 IEEEE841 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

575V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
100	3600	405TS	575	SD100 IEEEE841	1LE24214BA213AA3	14007	SD3	87.0	94.1	1100	✓
100	1800	405T	575	SD100 IEEEE841	1LE24214AB213AA3	12699	SD3	90.5	95.4	1160	✓
100	1800	405TS	575	SD100 IEEEE841	1LE24214BB213AA3	12699	SD3	90.5	95.4	1160	✓
100	1200	444T	575	SD100 IEEEE841	1LE24214CC113AA3	17054	SD3	94.0	95.0	1545	✓
100	1200	444TS	575	SD100 IEEEE841	1LE24214DC113AA3	17054	SD3	94.0	95.0	1545	
100	1200	444T	575	SD100 IEEEE841	1LE24214EC113AA3	17054	SD3	94.0	95.0	1545	
100	900	445T	575	SD100 IEEEE841	1LE24214CD213AA3	24322	SD3	98.4	94.1	1697	
100	900	445TS	575	SD100 IEEEE841	1LE24214DD213AA3	24322	SD3	98.4	94.1	1697	
100	900	445T	575	SD100 IEEEE841	1LE24214ED213AA3	24322	SD3	98.4	94.1	1697	
125	3600	444TS	575	SD100 IEEEE841	1LE24214DA113AA3	17992	SD3	112.0	95.0	1454	✓
125	1800	444T	575	SD100 IEEEE841	1LE24214CB113AA3	16570	SD3	115.0	95.4	1600	✓
125	1800	444TS	575	SD100 IEEEE841	1LE24214DB113AA3	16570	SD3	115.0	95.4	1600	✓
125	1800	444T	575	SD100 IEEEE841	1LE24214EB113AA3	16570	SD3	115.0	95.4	1600	✓
125	1200	445T	575	SD100 IEEEE841	1LE24214CC213AA3	20577	SD3	115.0	95.0	1720	✓
125	1200	445TS	575	SD100 IEEEE841	1LE24214DC213AA3	20577	SD3	115.0	95.0	1720	
125	1200	445T	575	SD100 IEEEE841	1LE24214EC213AA3	20577	SD3	115.0	95.0	1720	
125	900	447T	575	SD100 IEEEE841	1LE24214CD313AA3	24984	SD3	121.6	94.1	2018	
125	900	447TS	575	SD100 IEEEE841	1LE24214DD313AA3	24984	SD3	121.6	94.1	2018	
125	900	447T	575	SD100 IEEEE841	1LE24214ED313AA3	24984	SD3	121.6	94.1	2018	
150	3600	445TS	575	SD100 IEEEE841	1LE24214DA213AA3	21035	SD3	130.0	95.0	1615	✓
150	1800	445T	575	SD100 IEEEE841	1LE24214CB213AA3	18742	SD3	136.0	95.8	1710	✓
150	1800	445TS	575	SD100 IEEEE841	1LE24214DB213AA3	18742	SD3	136.0	95.8	1710	✓
150	1800	445T	575	SD100 IEEEE841	1LE24214EB213AA3	18742	SD3	136.0	95.8	1710	✓
150	1200	447T	575	SD100 IEEEE841	1LE24214CC313AA3	22602	SD3	138.0	95.8	1995	✓
150	1200	447TS	575	SD100 IEEEE841	1LE24214DC313AA3	22602	SD3	138.0	95.8	1995	
150	1200	447T	575	SD100 IEEEE841	1LE24214EC313AA3	22602	SD3	138.0	95.8	1995	
150	900	449T	575	SD100 IEEEE841	1LE24214CD513AA3	31945	SD3	144.0	94.1	2480	
150	900	449TS	575	SD100 IEEEE841	1LE24214DD513AA3	31945	SD3	144.0	94.1	2480	
150	900	449T	575	SD100 IEEEE841	1LE24214ED513AA3	31945	SD3	144.0	94.1	2480	
200	3600	447TS	575	SD100 IEEEE841	1LE24214DA313AA3	26380	SD3	176.0	95.4	1890	✓
200	1800	447T	575	SD100 IEEEE841	1LE24214CB313AA3	22796	SD3	181.0	96.2	2035	✓
200	1800	447TS	575	SD100 IEEEE841	1LE24214DB313AA3	22796	SD3	181.0	96.2	2035	✓
200	1800	447T	575	SD100 IEEEE841	1LE24214EB313AA3	22796	SD3	181.0	96.2	2035	✓
200	1200	449T	575	SD100 IEEEE841	1LE24214CC513AA3	27413	SD3	182.0	95.8	2425	✓
200	1200	449TS	575	SD100 IEEEE841	1LE24214DC513AA3	27413	SD3	182.0	95.8	2425	
200	1200	449T	575	SD100 IEEEE841	1LE24214EC513AA3	27413	SD3	182.0	95.8	2425	
200	900	S449LS	575	SD100 IEEEE841	1LE24214FD113AA3	45526	SD3	192.0	94.5	3200	

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DOE#CC032A

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SIMOTICS Severe duty motors

SD100 IEEEE841 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

575V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
250	3600	449TS	575	SD100 IEEEE841	1LE24214DA513AA3	33581	SD3	209.0	95.8	2272	✓
250	1800	449T ²⁾	575	SD100 IEEEE841	1LE24214CB513AA3	28890	SD3	223.0	96.2	2425	✓
250	1800	449TS ¹⁾	575	SD100 IEEEE841	1LE24214DB513AA3	28890	SD3	223.0	96.2	2425	✓
250	1800	449T ¹⁾	575	SD100 IEEEE841	1LE24214EB513AA3	28890	SD3	223.0	96.2	2425	✓
250	1200	449T ²⁾	575	SD100 IEEEE841	1LE24214CC613AA3	30125	SD3	225.0	95.8	2390	✓
250	1200	449TS ¹⁾	575	SD100 IEEEE841	1LE24214DC613AA3	30125	SD3	225.0	95.8	2390	
250	1200	449T ¹⁾	575	SD100 IEEEE841	1LE24214EC613AA3	30125	SD3	225.0	95.8	2390	
250	900	S449LS	575	SD100 IEEEE841	1LE24214FD213AA3	49878	SD3	242.4	94.5	3220	
300	3600	449TS ¹⁾	575	SD100 IEEEE841	1LE24214DA613AA3	42635	SD3	250.0	95.8	2200	✓
300	1800	S449LS ^{1) 2)}	575	SD100 IEEEE841	1LE24214FB113AA3	39177	SD3	268.0	96.2	3130	✓
300	1800	S449SS ^{1) 2)}	575	SD100 IEEEE841	1LE24214GB113AA3	39177	SD3	268.0	96.2	3130	
300	1200	S449LS ^{1) 2)}	575	SD100 IEEEE841	1LE24214FC113AA3	52342	SD3	272.0	95.8	3240	
300	1200	S449SS ^{1) 2)}	575	SD100 IEEEE841	1LE24214GC113AA3	52342	SD3	272.0	95.8	3240	
350	3600	S449SS ¹⁾	575	SD100 IEEEE841	1LE24214GA113AA3	51006	SD3	296.0	95.8	2890	
350	1800	S449LS ¹⁾	575	SD100 IEEEE841	1LE24214FB213AA3	47236	SD3	312.0	96.2	3190	
350	1800	S449SS ¹⁾	575	SD100 IEEEE841	1LE24214GB213AA3	47236	SD3	312.0	96.2	3190	
400	3600	S449SS ¹⁾	575	SD100 IEEEE841	1LE24214GA313AA3	57207	SD3	338.0	95.8	3065	✓
400	1800	S449LS ¹⁾	575	SD100 IEEEE841	1LE24214FB313AA3	52986	SD3	363.0	96.2	3240	✓
400	1800	S449SS ¹⁾	575	SD100 IEEEE841	1LE24214GB313AA3	52986	SD3	363.0	96.2	3240	

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1) CW Rotation facing opposite DE
2) NEMA design A
900 RPM Motors meet or exceed EPart efficiency.
Prices and Specifications are subject to change without notice.
DOE#CC032A

SIMOTICS Severe duty motors

SD100 IEEE841 (Cast iron frame)

NEMA Premium®
Die cast aluminum rotor

575V 60Hz – C-face footless

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	3600	143TC	575	SD100 IEEE841	1LE24211AA113GA3	877	SD3	1.1	82.5	75	✓
1	1800	143TC	575	SD100 IEEE841	1LE24211AB213GA3	852	SD3	1.1	85.5	76	✓
1.5	3600	143TC	575	SD100 IEEE841	1LE24211AA213GA3	878	SD3	1.6	84.0	70	✓
1.5	1800	145TC	575	SD100 IEEE841	1LE24211AB313GA3	912	SD3	1.7	86.5	80	✓
2	3600	145TC	575	SD100 IEEE841	1LE24211AA313GA3	994	SD3	2.0	85.5	72	✓
2	1800	145TC	575	SD100 IEEE841	1LE24211AB413GA3	968	SD3	2.2	86.5	80	✓
3	3600	182TC	575	SD100 IEEE841	1LE24211CA113GA3	1079	SD3	3.0	86.5	107	✓
3	1800	182TC	575	SD100 IEEE841	1LE24211CB113GA3	1039	SD3	3.2	89.5	118	✓
5	3600	184TC	575	SD100 IEEE841	1LE24211CA313GA3	1291	SD3	4.8	88.5	118	✓
5	1800	184TC	575	SD100 IEEE841	1LE24211CB313GA3	1171	SD3	5.2	89.5	124	✓
7.5	3600	213TC	575	SD100 IEEE841	1LE24212AA113GA3	1553	SD3	7.0	89.5	160	✓
7.5	1800	213TC	575	SD100 IEEE841	1LE24212AB113GA3	1512	SD3	7.8	91.7	191	✓
10	3600	215TC	575	SD100 IEEE841	1LE24212AA213GA3	1766	SD3	9.2	90.2	174	✓
10	1800	215TC	575	SD100 IEEE841	1LE24212AB213GA3	1784	SD3	10.0	91.7	197	✓
15	3600	254TC	575	SD100 IEEE841	1LE24212BA113GA3	2396	SD3	14.0	91.0	287	✓
15	1800	254TC	575	SD100 IEEE841	1LE24212BB113GA3	2357	SD3	15.0	92.4	289	✓
20	3600	256TC	575	SD100 IEEE841	1LE24212BA213GA3	2900	SD3	18.0	91.0	323	✓
20	1800	256TC	575	SD100 IEEE841	1LE24212BB213GA3	2986	SD3	20.0	93.0	322	✓

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SIMOTICS Severe duty motors

SD100 IEEEE841 (Cast iron frame)

NEMA Premium®
Die cast copper rotor

460V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	1800	143T	460	SD100 IEEEE841	1LE24111AB212AA3	886	SD3	1.5	86.5	81	✓
1	1200	145T	460	SD100 IEEEE841	1LE24111AC312AA3	1044	SD3	1.6	84.0	81	✓
1.5	3600	143T	460	SD100 IEEEE841	1LE24111AA212AA3	917	SD3	1.9	87.5	80	✓
1.5	1800	145T	460	SD100 IEEEE841	1LE24111AB312AA3	955	SD3	2.1	87.5	81	✓
2	3600	145T	460	SD100 IEEEE841	1LE24111AA312AA3	1051	SD3	2.6	88.5	80	✓
2	1800	145T	460	SD100 IEEEE841	1LE24111AB412AA3	1023	SD3	2.8	87.5	81	✓
3	3600	182T	460	SD100 IEEEE841	1LE24111CA112AA3	1102	SD3	3.8	89.5	121	✓
3	1800	182T	460	SD100 IEEEE841	1LE24111CB112AA3	1056	SD3	4.0	90.2	125	✓
3	1200	213T	460	SD100 IEEEE841	1LE24112AC112AA3	1571	SD3	4.3	90.2	170	✓
5	3600	184T	460	SD100 IEEEE841	1LE24111CA312AA3	1348	SD3	6.2	90.2	123	✓
5	1800	184T	460	SD100 IEEEE841	1LE24111CB312AA3	1209	SD3	6.7	90.2	129	✓
5	1200	215T	460	SD100 IEEEE841	1LE24112AC212AA3	2077	SD3	7.0	90.2	184	✓
7.5	3600	213T	460	SD100 IEEEE841	1LE24112AA112AA3	1653	SD3	8.5	91.7	191	✓
7.5	1800	213T	460	SD100 IEEEE841	1LE24112AB112AA3	1605	SD3	9.5	92.4	198	✓
7.5	1200	254T	460	SD100 IEEEE841	1LE24112BC112AA3	2656	SD3	10.5	92.4	336	✓
10	3600	215T	460	SD100 IEEEE841	1LE24112AA212AA3	1900	SD3	11.5	91.7	196	✓
10	1800	215T	460	SD100 IEEEE841	1LE24112AB212AA3	1922	SD3	12.5	92.4	206	✓
10	1200	256T	460	SD100 IEEEE841	1LE24112BC212AA3	3305	SD3	13.5	92.4	337	✓
15	3600	254T	460	SD100 IEEEE841	1LE24112BA112AA3	2577	SD3	17.0	92.4	309	✓
15	1800	254T	460	SD100 IEEEE841	1LE24112BB112AA3	2531	SD3	19.0	93.0	297	✓
20	3600	256T	460	SD100 IEEEE841	1LE24112BA212AA3	3164	SD3	22.5	92.4	333	✓
20	1800	256T	460	SD100 IEEEE841	1LE24112BB212AA3	3263	SD3	25.0	93.6	341	✓

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SIMOTICS Severe duty motors

SD100 IEEE841 (Cast iron frame)

NEMA Premium®
Die cast copper rotor

575V 60Hz – Foot mounted

HP	RPM	Frame	Voltage	Type	Part Number	List Price \$	Mult. Symb.	FL Amps	FL Nom Eff. (%)	Lbs	Stock
1	1800	143T	575	SD100 IEEE841	1LE24111AB213AA3	886	SD3	1.2	86.5	81	
1	1200	145T	575	SD100 IEEE841	1LE24111AC313AA3	1044	SD3	1.3	84.0	81	
1.5	3600	143T	575	SD100 IEEE841	1LE24111AA213AA3	917	SD3	1.5	87.5	80	
1.5	1800	145T	575	SD100 IEEE841	1LE24111AB313AA3	955	SD3	1.7	87.5	81	
2	3600	145T	575	SD100 IEEE841	1LE24111AA313AA3	1051	SD3	2.1	88.5	80	
2	1800	145T	575	SD100 IEEE841	1LE24111AB413AA3	1023	SD3	2.2	87.5	81	
3	3600	182T	575	SD100 IEEE841	1LE24111CA113AA3	1102	SD3	3.0	89.5	121	
3	1800	182T	575	SD100 IEEE841	1LE24111CB113AA3	1056	SD3	3.2	90.2	125	
3	1200	213T	575	SD100 IEEE841	1LE24112AC113AA3	1571	SD3	3.4	90.2	170	
5	3600	184T	575	SD100 IEEE841	1LE24111CA313AA3	1348	SD3	5.0	90.2	123	
5	1800	184T	575	SD100 IEEE841	1LE24111CB313AA3	1209	SD3	5.4	90.2	129	
5	1200	215T	575	SD100 IEEE841	1LE24112AC213AA3	2077	SD3	5.6	90.2	184	
7.5	3600	213T	575	SD100 IEEE841	1LE24112AA113AA3	1653	SD3	6.8	91.7	191	
7.5	1800	213T	575	SD100 IEEE841	1LE24112AB113AA3	1605	SD3	7.6	92.4	198	
7.5	1200	254T	575	SD100 IEEE841	1LE24112BC113AA3	2656	SD3	8.4	92.4	336	
10	3600	215T	575	SD100 IEEE841	1LE24112AA213AA3	1900	SD3	9.2	91.7	196	
10	1800	215T	575	SD100 IEEE841	1LE24112AB213AA3	1922	SD3	10.0	92.4	206	
10	1200	256T	575	SD100 IEEE841	1LE24112BC213AA3	3305	SD3	11.0	92.4	337	
15	3600	254T	575	SD100 IEEE841	1LE24112BA113AA3	2577	SD3	13.5	92.4	309	
15	1800	254T	575	SD100 IEEE841	1LE24112BB113AA3	2531	SD3	15.0	93.0	297	
20	3600	256T	575	SD100 IEEE841	1LE24112BA213AA3	3164	SD3	18.0	92.4	333	
20	1800	256T	575	SD100 IEEE841	1LE24112BB213AA3	3263	SD3	20.0	93.6	341	

NEMA Premium® is a certification mark of the National Electrical Manufacturers Association.
QuikMOD Delivery for stocked motors only.

Stock availability subject to change.
Prices and Specifications are subject to change without notice.
DOE#CC032A

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SIMOTICS Severe duty motors

SD100 / SD100 IEEE841

QuikMOD options Selection and pricing

Voltage		* 12 & 13	SD100	SD100 IEEE841	List Price \$									
					140	180	210	250	280	320	360	400	440	S440
Single Voltage	230V	11	HP 1-20	–	123	123	138	159	161	–	–	–	–	–
	460V	12	HP 1-20	Std.	123	123	138	159	161	–	–	–	–	–
	575V	13	140-S440	140-S440	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
	230/460V	16	140-250	–	119	119	133	154	–	–	–	–	–	–
Special Voltage	200-460V	90+M1Y	140-250	140-440	120	120	120	166	200	482	546	714	1187	1486
	461-600V	90+M2Y	140-250	140-440	120	120	120	166	200	482	546	714	1187	1486
Flanges and Bearing Housing		* 14	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Foot Mounted	C - Face ¹⁾	E	280-440	–	–	–	–	–	870	941	1016	1261	1493	–
	D - Flange	F	140-250	–	284	361	396	774	–	–	–	–	–	–
	C - Face w/drip cover	N	280-440	–	–	–	–	–	1037	1236	1615	2099	2643	–
	D - Flange w/drip cover	P	140-250	–	442	519	555	948	–	–	–	–	–	–
Round Body	D - Flange	H	–	140-250	302	396	428	809	–	–	–	–	–	–
	D - Flange w/drip cover	M	–	140-250	527	637	661	1049	–	–	–	–	–	–
Protection		* 15	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Thermostats Klixon Type	Normally closed 1 x phase	G	140-S440	140-S440	229	229	229	229	229	306	306	459	566	561
Mounting		* 16	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Ceiling Mount - T. Box LHS	C-2	1	140-S440	140-S440	133	133	133	133	134	134	134	134	134	137
Horizontal - T. box RHS	F-2	2	140-440	140-440	283	283	283	283	284	284	284	284	284	–
Horizontal - T. Box LHS	F-1	3	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Vertical, Shaft up, T. Box LHS	W-5	6	140-440	140-440	283	283	283	283	284	284	284	284	284	–
Vertical, Shaft up, T. Box RHS	W-8	7	140-S440	140-440	130	130	130	130	131	131	131	131	131	131
Ceiling Mount - T. Box RHS	C-1	8	140-440	140-440	283	283	283	283	284	284	284	284	284	–
Wall Mount (Additional code R1A required)	W-1	9-R1A	140-440	140-480	283	283	283	283	284	284	284	284	284	–
Wall Mount (Additional code R2A required)	W-2	9-R2A	140-S440	140-440	129	129	129	129	130	130	130	130	130	130
Wall Mount (Additional code R3A required)	W-3	9-R3A	140-S440	140-S440	288	288	288	288	289	289	289	289	289	294
Wall Mount (Additional code R4A required)	W-4	9-R4A	140-440	140-S440	127	127	127	127	128	128	128	128	128	128

* Position to be replaced in the part number by the chosen number or letter.
1) C-Face with feet for 440 frames, only available with ball bearings.

Prices and Specifications are subject to change without notice.
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SIMOTICS Severe duty motors

SD100 / SD100 IEEE841

QuikMOD options Selection and pricing

				List Price \$										
Bearings and Lubrication		Code	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Grease Fitting	Pressure relief	L60	140-S440	Std	186	186	186	186	186	186	186	186	186	189
Ball Bearings	Sealed (except 2 pole, 360+)	L68	140-S440	-	229	229	229	458	458	458	572	916	916	1207
Shafts & Seals		Code	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Slinger & O Ring	(4, 6, 8 Pole only)	L76	140-S440	140-S440	88	88	88	121	121	164	164	207	207	213
Inpro Seal	Drive End	L79	140-S440	-	489	489	510	595	616	649	744	914	999	1044
	Opposite Drive End	L80	140-S440	-	511	511	533	622	644	678	778	955	1044	1044
	Both Ends	L81	140-S440	Std	1021	1021	1066	1244	1289	1356	1556	1911	2088	2088
Coupling	Customer Supplied	H10	140-S440	140-S440	485	485	485	485	485	485	716	716	716	728
Terminal Box		Code	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Maint Terminal Box	Orientation 90 degree CCW	J84	140-S440	140-S440	134	134	134	134	134	134	134	134	134	137
	Orientation 180 degree CCW	J85	140-S440	140-S440	134	134	134	134	134	134	134	134	134	137
	Orientation 270 degree CCW	J86	140-S440	140-S440	134	134	134	134	134	134	134	134	134	137
Condulet	To main Terminal Box	JX2	140-S440	140-S4401	251	251	251	251	251	251	251	251	251	251
Special Terminals	Burdny Hydent type YA	K80	140-S440	140-S440	170	170	170	170	171	171	171	171	171	175
Frame		Code	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Rotational Arrow	Bidirectional (not for uni-directional)	K70	140-S440	140-S440	141	141	141	141	142	142	142	142	142	144
	Clockwise 1)	K71	140-S440	140-S440	141	141	141	141	142	142	142	142	142	144
	Counterclockwise 1)	K72	140-S440	140-S440	141	141	14	141	142	142	142	142	142	144
Hardware	Stainless steel (Includes T Drain SS)	L22	140-S440	140-S440	203	203	203	203	203	251	308	380	468	641
Lifting eyebolt		L20	140	Std	43	-	-	-	-	-	-	-	-	-
Grounding Frame	Provision (tapped hole w/bolt)	L27	140-S440	140-S440	142	142	142	164	164	186	186	186	261	266
Drain Plugs	T Drain SS	L45	140-S440	140-S440	161	161	161	234	234	237	307	307	307	319
	Crouse-Hinds UL Approved	L46	280-S440	280-S440	-	-	-	-	353	353	353	353	353	364
Fan	Bronze	M10	140-S440	140-S440	546	546	706	752	941	1137	1190	1325	1830	1830
Nameplates	Additional nameplate (replica of original)	M21	140-S440	140-S440	163	163	163	163	164	164	164	164	164	167
	Division 2 nameplate	M22	140-S440	140-S440	322	322	322	322	322	322	322	322	322	322
	Derate - Service Factor, Amb. Temp Altitude	Y80	140-S440	140-S440	161	161	161	161	164	164	164	164	164	164
	Auxiliary nameplate Max. 40 Characters	Y82	140-S440	140-S440	161	161	161	161	164	164	164	164	164	167
Vertical Jacking	Provisions	M39	280-S440	280-S440	-	-	-	-	867	867	867	867	867	910
Drip Cover		K33	140-S440	140-S440	153	153	153	164	167	295	599	838	1550	1550

1) K71, K72: Viewed from the ODE.

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SIMOTICS Severe duty motors

SD100 / SD100 IEEE841

QuikMOD options Selection and pricing

				List Price \$										
Winding		Code	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Insulation	Fungus Protection	C07	140-S440	140-S440	212	212	212	310	310	310	537	537	537	546
Space Heaters	115V Single Phase	A40	140-S440	140S-440	352	352	352	352	528	528	528	612	612	699
	230V Single Phase	A41	140-S440	140-S440	352	352	352	352	528	528	528	612	612	699
	115V Single Phase, Division 2	A42	140-S440	140-S440	455	455	455	455	679	679	816	957	1181	1259
	240V Single Phase, Division 2	A44	140-S440	140-S440	455	455	455	455	679	679	816	997	1181	1259
Paint and Others		Code	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Packaging	Sea freight - Siemens Standard	B09	140-S440	140-S440	333	333	333	333	761	1133	1133	1506	1506	1533
Software		Code	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Software	Documentation in Spanish	D05	140-S440	140-S440	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
	Certification of Compliance	F00	140-S440	140-S440	296	296	296	296	299	299	299	299	299	303
	Standard Date Transmittal	F40	140-S440	140-S440	44	44	44	44	45	45	45	45	45	46
	Standard Dimension Sheet	F42	140-S440	140-S440	44	44	44	44	45	45	45	45	45	46
	Conduit Box Dimension Sheet	F44	140-S440	140-S440	44	44	44	44	45	45	45	45	45	46
	Wiring Diagram	F45	140-S440	140-S440	44	44	44	44	45	45	45	45	45	46
	IOM	F46	140-S440	140-S440	44	44	44	44	45	45	45	45	45	46
	Renewal Parts	F47	140-S440	140-S440	44	44	44	44	45	45	45	45	45	46
	Performance Data Sheets	F49	140-S440	140-S440	259	259	259	259	261	261	261	261	261	266
Typical Data	F03	140-S440	140-S440	740	740	740	740	747	747	747	747	747	759	
Tests		Code	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Test	Routine Test Report	F10	140-S440	- 1)	296	296	296	296	299	299	299	299	299	303
	Noise	F30	140-S440	140-S440	4144	4144	4144	4144	4183	4183	5378	5378	5378	5463
	Noise (Witnessed)	F32	140-S440	140-S440	6512	6512	6512	6512	6573	7768	7768	7768	7768	7891

1) Routine and test + vibration is included with the motor, as standard, in the box.
Prices and Specifications are subject to change without notice.
QuikMOD Delivery for stocked motors only.

SIMOTICS Severe duty motors

SD100 / SD100 IEEE841

Custom options Selection and pricing

			List Price \$												
Voltage		* 12 & 13	SD100	SD100 IEEE841	140	180	210	250	280	320	360	400	440	S440	
Single Voltage	230V	11	HP 1-20	–	123	123	138	159	161	–	–	–	–	–	
	460V	12	HP 1-20	Std.	123	123	138	159	161	–	–	–	–	–	
	575V	13	140-S440	140-S440	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	
	230/460V	16	140-250	–	119	119	133	154	–	–	–	–	–	–	
Part Winding Start	460V 60Hz	22	280-S440	280-S440	–	–	–	–	165	200	294	461	767	768	
	575V 60Hz	23	280-S440	280-S440	–	–	–	–	165	200	294	461	767	768	
Wye Start - Delta Run	200V 60Hz	30	280-360	280-360	–	–	–	–	155	188	276	–	–	–	
	230V 60Hz	31	280-360	280-360	–	–	–	–	155	188	276	–	–	–	
	460V 60Hz	32	280-S440	280-S440	–	–	–	–	155	188	276	433	750	768	
	575V 60Hz	33	280-S440	280-S440	–	–	–	–	155	188	276	433	720	768	
Special Voltage	200-460V	90+M1Y	140-250	140-440	120	120	120	166	200	482	546	714	1187	1486	
	461-600V	90+M2Y	140-250	140-440	120	120	120	166	200	482	546	714	1187	1486	
Flanges and Bearing Housing			* 14	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Foot Mounted	C - Face ¹⁾	E	140-S440	140-S440	206	249	283	625	870	941	1016	1261	1493	2)	
	D - Flange	F	140-440	140-440	284	361	396	774	1086	1269	1481	1976	2387	2)	
	C - Face w/drip cover	N	140-440	140-S440	360	403	438	794	1035	1236	1615	2099	3043	2)	
	D - Flange w/drip cover	P	140-250	140-250	442	519	555	948	1253	1567	2087	2824	3955	2)	
Round Body	C - Face	G	140-250	140-440	226	282	316	676	946	1038	1327	1709	2351	–	
	D - Flange	H	140-250	140-440	302	396	428	809	1224	1452	2005	2779	3896	–	
	C - Face w/drip cover	L	140-250	140-40	378	434	469	840	1106	1324	1907	2522	3853	–	
	D - Flange w/drip cover	M	140-4	140-440	527	637	661	1049	1475	1910	2973	4229	6589	–	
Protection			* 15	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
PTC Thermistors	3 embedded, 1 per phase	B	140-S440	140-S440	634	634	634	634	634	634	634	634	634	645	
PTC Thermistors	6 embedded, 2 per phase	C	140-S440	140-S440	1268	1268	1268	1268	1268	1268	1268	1268	1268	1290	
KTY84-130	2 embedded	F	140-S440	140-S440	981	981	981	981	981	981	981	981	981	998	
Thermostats Klixon Type	Normally closed 1 x phase	G	140-S440	140-S440	229	229	229	229	229	306	306	459	566	661	
Thermocouples	Coil head	J	360-S440	360-S440	–	–	–	–	–	–	1814	1814	1814	1887	
Stator RTDs 100 Ω, 1 x phase	Including Aux. Box opp. to main box & Terminal strip	K	360-S440	360-S440	–	–	–	–	–	–	3053	3053	3053	3175	
Mounting			* 16	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Ceiling Mount - T. Box LHS	C-2	1	140-S440	140-S440	133	133	133	133	134	134	134	134	134	134	
Horizontal - T. box RHS	F-2	2	140-440	140-440	283	283	283	283	284	284	284	284	284	–	
Vertical Shaft Down, T. Box RHS	W-6	4	440-S440	440-S440	191	191	191	191	191	191	191	191	202	212	
Vertical Shaft Down, T. Box LHS	W-7	5	440-S440	440-S440	272	272	272	272	272	272	272	272	288	303	
Vertical, Shaft up, T. Box LHS	W-5	6	140-440	140-440	283	283	283	283	284	284	284	284	284	–	
Vertical, Shaft up, T. Box RHS	W-8	7	140-S440	140-440	130	130	130	130	131	131	131	131	131	131	
Ceiling Mount - T. Box RHS	C-1	8	140-440	140-440	283	283	283	283	284	284	284	284	284	–	
Wall Mount (Additional code R1A required)	W-1	9-R1A	140-440	140-440	283	283	283	283	284	284	284	284	284	–	
Wall Mount (Additional code R2A required)	W-2	9-R2A	140-S440	140-440	129	129	129	129	130	130	130	130	130	130	
Wall Mount (Additional code R3A required)	W-3	9-R3A	140-S440	140-S440	288	288	288	288	289	289	289	289	289	289	

* Position to be replaced in the part number by the chosen number or letter
 1) C-Face with feet for 440 frames, only available with ball bearings.
 2) On request.

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SD100 / SD100 IEEE841

Custom options Selection and pricing

			List Price \$											
Bearings and Lubrication		Code	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Special Grease	Mobil 28	L57	140-S440	140-S440	485	895	895	895	895	1230	1230	1640	1640	1669
	Mobilith SHC 100	L58	140-S440	140-S440	336	336	336	336	336	634	634	634	634	645
Grease Fitting	Pressure relief	L60	140-S440	Std	186	186	186	186	186	186	186	186	186	189
Roller Bearings	In lieu of ball bearings	L65	280-400	280-440	-	-	-	-	1215	1215	1215	1215	Std	Std
Ball Bearings	Sealed (except 2 pole, 360+ frames)	L68	140-S440	-	229	229	229	458	458	458	572	916	916	1207
Bearing thermal Protection	100 Ω RTDs both ends Connection head and	A51	400-S440	400-S440	-	-	-	-	-	-	-	3347	3347	3335
Shafts and Seals		Code	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
CarbSteel	C4140	M57	400-S440	400-S440	-	-	-	-	-	-	-	4667	5004	5106
Special shaft to Customer spec.	Drive End	Y50	140-S440	140-S440	cf	cf	cf	cf	cf	cf	cf	cf	cf	cf
Special shaft to Customer Spec.	Opposite Drive End	Y51	140-S440	140-S440	cf	cf	cf	cf	cf	cf	cf	cf	cf	cf
NEMA Std Short Shaft	Opposite Drive End	M53	140-S440	140-S440	132	132	132	176	272	392	443	490	542	558
NEMA Std Long Shaft	Opposite Drive End	M52	140-S440	140-S440	133	133	133	179	272	392	443	490	555	558
Slinger & O Ring	(4, 6, 8 Pole only)	L76	140-S440	140-S440	88	88	88	121	121	164	164	207	207	213
Inpro Seal	Drive End	L79	140-S440	-	489	489	510	595	616	649	744	914	999	1044
	Opposite Drive End	L80	140-S440	-	511	511	533	622	644	678	778	955	1044	1044
	Both Ends	L81	140-S440	Std	1021	1021	1066	1244	1289	1356	1556	1911	2088	2088
Coupling	Customer Supplied	H10	140-S440	140-S440	485	485	485	485	485	485	716	716	716	728
Terminal Box		Code	SD100	SD100 IEEE 841	140	180	210	250	280	320	360	400	440	S440
Main Terminal Box	Orientation 90° CCW	J84	140-S440	140-S440	134	134	134	134	134	134	134	134	134	137
	Orientation 180 ° CCW	J85	140-S440	140-S440	134	134	134	134	134	134	134	134	134	137
	Orientation 270 ° CCW	J86	140-S440	140-S440	134	134	134	134	134	134	134	134	134	137
Condulet	Same side Main Terminal Box	JX0	280-S440	280-S440	-	-	-	-	235	235	235	235	235	243
	To main Terminal Box	JX2	140-S440	140-S4401	251	251	251	251	251	251	251	251	251	251
	Opposite to Main Terminal box	JX4	180-S440	180-S440	235	235	235	235	235	235	235	235	235	235
Auxiliary box	To Main Terminal Box	JX3	280-S440	280-S440	-	-	-	-	415	415	415	415	415	415
	Opposite to Main Terminal box	JX5	280-S440	280-S440	-	-	-	-	443	443	443	443	443	443
Special Terminals	Burndy Hydent YA Type	K80	140-S440	140-S440	170	170	170	170	171	171	171	171	171	175
Terminal Block	Terminal Block – 3 lead only	K83	140-360	140-360	228	228	228	342	342	518	518	-	-	-
Leads	Special Leads 1)	K89	140-S440	140-S440	cf	cf	cf	cf	cf	cf	cf	cf	cf	cf
	Special Cable Length	Y85	140-S440	140-S440	228	228	228	228	228	228	304	304	304	303

1) Only for single voltage

Prices and Specifications are subject to change without notice.

SIMOTICS Severe duty motors

SD100 / SD100 IEEE841

Custom options Selection and pricing

Frame		Code	List Price \$											
			SD100	SD100 IEEE841	140	180	210	250	280	320	360	400	440	S440
Rotational Arrow	Bidirectional (not for unidirectional)	K70	140-S440	140-S440	141	141	141	141	142	142	142	142	142	144
	Clockwise 2)	K71	140-S440	140-S440	141	141	141	141	142	142	142	142	142	144
	Counterclockwise 2)	K72	140-S440	140-S440	141	141	141	141	142	142	142	142	142	144
Hardware	Stainless Steel (Includes T DrainSS)	L22	140-S440	140-S440	203	230	230	230	230	251	309	380	468	641
Lifting Eyebolt		L20	140-140	Std	43	-	-	-	-	-	-	-	-	-
Grounding (Frame)	Provision (tapped hole w/bolt)	L27	140-S440	140-S440	142	142	142	164	164	186	186	186	261	266
Drain Plugs	T Drain SS	L45	140-S440	140-S440	161	161	161	234	234	234	307	307	307	319
	Crouse Hinds UL Approved	L46	280-S440	280-S440	-	-	-	-	353	353	353	353	353	364
Fan	Bronze	M10	140-S440	140-S440	546	546	706	752	941	1137	1190	1325	1830	1830
Nameplates	Add'l nameplate same information	M21	140-S440	140-S440	163	163	163	163	164	164	164	164	164	167
	Div 2 nameplate	M22	140-S440	140-S440	322	322	322	322	322	322	322	322	322	322
	Derate - Service Factor, Altitude &/or Amb. Temp	Y80	140-S440	140-S440	161	161	161	161	164	164	164	164	164	167
	Auxiliary Nameplate Max 40 Characters	Y82	140-S440	140-S440	161	161	161	161	164	164	164	164	164	167
Vertical Jacking	Provisions	M39	280-S440	280-S440	-	-	-	-	867	867	867	867	867	910
Winding		Code	SD100	SD100 IEEE841	140	180	210	250	280	320	360	400	440	S440
Insulation	Class H 1)	C00	140-S440	140-S440	122	122	122	157	261	343	438	634	904	2387
	Vacuum Pressure Impregnation (VPI)	C01	140-S440	140-S440	1670	1670	1670	1670	2147	2147	2714	3430	3728	5463
	Moisture/Powerhouse (extra dip & bake)	C04	140-S440	Std	160	160	160	208	345	447	567	798	1877	1873
	Fungus Protection	C07	140-S440	140-S440	212	212	212	310	310	310	537	537	537	546
	Tropicalization Moisture (extra dip & bake)	C08	140-S440	140-S440	214	214	214	277	459	593	746	1036	1406	2319
Space Heaters	115V Single Phase	A40	140-S440	140-S440	352	352	352	352	528	528	528	612	612	699
	230V Single Phase	A41	140-S440	140-S440	352	352	352	352	528	528	528	612	612	699
	115V Single Phase Division 2	A42	140-S440	140-S440	455	455	455	455	679	679	816	997	1181	1259
	230V Single Phase Division 2	A44	140-S440	140-S440	455	455	455	455	679	679	816	997	1181	1259

1) Lead cable and thermal protectors leads are insulation class F.
2) K71, K72: Viewed from the ODE.

Stock availability subject to change.
Prices and Specifications are subject to change without notice.

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SIMOTICS Severe duty motors

SD100 / SD100 IEEE841

Custom options Selection and pricing

Paint and Others		Code	SD100	SD100 IEEE841	140	180	210	250	280	320	360	400	440	S440
Special Paint	2 Part Epoxy	N01	140-S440	140-S440	2744	2744	2744	2744	2744	2744	2744	2744	2744	2845
Special Paint	3 Part Epoxy	N02	140-S440	140-S440	2761	2761	2761	2761	2761	2761	2761	2761	2761	2845
Standard Prime	Only	N03	140-S440	140-S440	558	558	558	558	563	563	563	563	563	584
Special Paint	2 Part Epoxy (Ameron System)	N04	140-S440	140-S440	5655	5655	5655	5655	5655	5655	5655	5655	5655	5690
Standard Paint	Special Color	Y60	140-S440	140-S440	554	554	554	554	557	557	557	557	557	584
Balance	Precision	M69	140-S440	Std	190	190	190	218	218	248	248	313	313	610
	Extra Precision	M70	140-S440	140-S440	312	312	330	30	376	376	506	506	651	683
Vibration Detectors	Robert Shaw malfunction detector Model, 366-D8 120VAC	A66	280-S440	280-S440	-	-	-	-	4216	4216	4216	5170	5170	4932
	Provision for Vibration Sensors (PMC/Beta)	A67	280-S440	280-S440	-	-	-	-	3778	3778	3778	4574	4574	4363
Packaging	Sea freight - Siemens Standard	B09	140-S440	140-S440	333	333	333	761	1133	1133	1506	1506	1506	1533
	Special	B10	140-S440	140-S440	cf	cf	cf	cf	cf	cf	cf	cf	cf	cf
Software		Code	SD100	SD100 IEEE841	140	180	210	250	280	320	360	400	440	S440
Software	Documentation in Spanish	D05	140-S440	140-S440	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc
	Certificate of Compliance	F00	140-S440	140-S440	296	296	296	296	299	299	299	299	299	303
	Standard Data Transmittal	F40	140-S440	140-S440	44	44	44	44	45	45	45	45	45	46
	Standard Dimension Sheet	F42	140-S440	140-S440	44	44	44	44	45	45	45	45	45	46
	Conduit Box Dimension Sheet	F44	140-S440	140-S440	44	44	44	44	45	45	45	45	45	46
	Wiring Diagram	F45	140-S440	140-S440	44	44	44	44	45	45	45	45	45	46
	IOM	F46	140-S440	140-S440	44	44	44	44	45	45	45	45	45	46
	Renewal Parts	F47	140-S440	140-S440	44	44	44	44	45	45	45	45	45	46
	Performance Data Sheets	F49	140-S440	140-S440	259	259	259	259	261	261	261	261	261	266
	Typical Data	F03	140-S440	140-S440	740	740	740	740	747	747	747	747	747	759
	Nonstandard Dimension Sheet	F43	140-S400	140-S400	518	518	518	518	523	523	523	523	523	531
	Customer Specific Data Sheets	F50	140-S400	140-S440	518	518	518	518	523	523	523	523	523	531
Special Calculated Data	F07	140-S400	140-S400	1184	1184	1184	1184	1195	1195	1195	1195	1195	1214	
Tests		Code	SD100	SD100 IEEE841	140	180	210	250	280	320	360	400	440	S440
Test	Routine Test Report	F10	140-S440	- 1)	296	296	296	296	299	299	299	299	299	303
	Routine Test Report (Witnessed)	F12	140-S440	140-S440	1628	1628	1628	1628	1643	1972	2360	2569	2778	3672
	Complete Test	F15	140-S440	140-S440	6749	6749	6749	6749	6812	7917	9680	11054	12010	13596
	Complete Test (Witnessed)	F17	140-S440	140-S440	10123	10123	10123	10123	10217	11890	14519	16581	18015	20394
	Calibration Test	F27	140-S440	140-S440	5062	5062	5062	5062	5109	5938	7260	8290	9007	10197
	Electrical Duplicate (Routine Test)	F36	140-S440	140-S440	296	296	296	296	299	299	299	299	299	303
	Electrical Duplicate (Complete Test)	F37	140-S440	140-S440	444	444	444	444	448	448	448	448	448	455
	Routine Test + Vibration	F20	140-S440	Std 1)	592	592	592	592	597	597	597	597	597	607
	Routine Test + Vibration (Witnessed)	F22	140-S440	140-S440	3256	3256	3256	3256	3286	3286	3286	3286	3286	3338

1) Routine test + vibration is included with the motor, as standard, in the box.

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