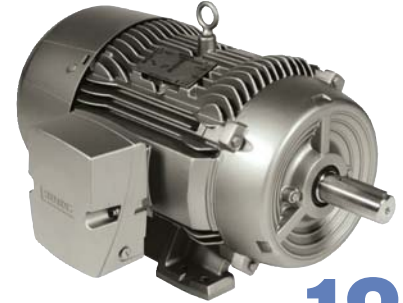


General Purpose - TEFC Motors

GP100 (Cast Iron Frame)

The GP100 series of general purpose TEFC motors exceeds NEMA Premium® efficiency standards to significantly reduce operating costs and pay for themselves in a short period of time through energy savings. These industry workhorses are ideal for use in material handling, pump, fan, compressor and other industrial applications.

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



18
MONTH
WARRANTY

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

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

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



Performance Specifications

- 1 to 20 HP
- 1.15 service factor, 40°C ambient
- 3600, 1800 or 1200 RPM
- 3 phase, 60 Hz; 208-230/460 and 575 volt operation
- Exceeds NEMA Premium® efficiency standards
- Class F insulation, Class B temperature rise @ 1.0SF
- NEMA Design B, Continuous Duty
- 143T through 256T frame

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

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

Bearings – Lubricated for life, oversized, complete with external bearing protection.

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

Features for Long Life

Frame & End Shields – Cast iron construction for exceptional structural integrity, equipped with integrally cast feet and condensation drain holes. Lifting provisions are included for frames 180T to 256T. Unique frame fin design maximizes cooling.

Rotor – Siemens exclusive, leading edge, die cast copper rotor design provides industry leading efficiencies. Each die cast copper rotor assembly is dynamically balanced for extended bearing life, and includes a high-strength carbon steel (C1045) shaft for maximum rotor performance.

Specifications table begins on the next page →

General Purpose - TEFC Motors

GP100 (Cast Iron Frame)

Stock/Modifiable

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
Horizontal, Foot Mounted												
1	3600	143T	208-230/460	GP100	Ball	1LE22111AA114AA3	375	GP2	2.6	87.5	65	✓
1	3600	143T	575	GP100	Ball	1LE22111AA113AA3	375	GP2	2.08	87.5	65	✓
1	1800	143T	208-230/460	GP100	Ball	1LE22111AB214AA3	375	GP2	1.5	86.5	67	✓
1	1800	143T	575	GP100	Ball	1LE22111AB213AA3	375	GP2	1.2	86.5	67	✓
1	1200	145T	208-230/460	GP100	Ball	1LE22111AC314AA3	467	GP2	1.6	84	67	✓
1	1200	145T	575	GP100	Ball	1LE22111AC313AA3	467	GP2	1.28	84	67	✓
1.5	3600	143T	208-230/460	GP100	Ball	1LE22111AA214AA3	385	GP2	1.9	87.5	65	✓
1.5	3600	143T	575	GP100	Ball	1LE22111AA213AA3	385	GP2	1.52	87.5	65	✓
1.5	1800	145T	208-230/460	GP100	Ball	1LE22111AB314AA3	413	GP2	2.1	87.5	67	✓
1.5	1800	145T	575	GP100	Ball	1LE22111AB313AA3	413	GP2	1.68	87.5	67	✓
1.5	1200	182T	208-230/460	GP100	Ball	1LE22111CC114AA3	499	GP2	2.4	87.5	97	✓
1.5	1200	182T	575	GP100	Ball	1LE22111CC113AA3	499	GP2	1.92	87.5	97	✓
2	3600	145T	208-230/460	GP100	Ball	1LE22111AA314AA3	448	GP2	2.6	88.5	66	✓
2	3600	145T	575	GP100	Ball	1LE22111AA313AA3	448	GP2	2.08	88.5	66	✓
2	1800	145T	208-230/460	GP100	Ball	1LE22111AB414AA3	449	GP2	2.8	87.5	68	✓
2	1800	145T	575	GP100	Ball	1LE22111AB413AA3	449	GP2	2.24	87.5	68	✓
2	1200	184T	208-230/460	GP100	Ball	1LE22111CC314AA3	551	GP2	3	88.5	107	✓
2	1200	184T	575	GP100	Ball	1LE22111CC313AA3	551	GP2	2.4	88.5	107	✓
3	3600	182T	208-230/460	GP100	Ball	1LE22111CA114AA3	499	GP2	3.8	89.5	101	✓
3	3600	182T	575	GP100	Ball	1LE22111CA113AA3	499	GP2	3.04	89.5	101	✓
3	1800	182T	208-230/460	GP100	Ball	1LE22111CB114AA3	516	GP2	4	90.2	105	✓
3	1800	182T	575	GP100	Ball	1LE22111CB113AA3	516	GP2	3.2	90.2	105	✓
3	1200	213T	208-230/460	GP100	Ball	1LE22112AC114AA3	709	GP2	4.3	90.2	150	✓
3	1200	213T	575	GP100	Ball	1LE22112AC113AA3	709	GP2	3.44	90.2	150	✓
5	3600	184T	208-230/460	GP100	Ball	1LE22111CA314AA3	650	GP2	6.2	90.2	103	✓
5	3600	184T	575	GP100	Ball	1LE22111CA313AA3	650	GP2	4.96	90.2	103	✓
5	1800	184T	208-230/460	GP100	Ball	1LE22111CB314AA3	588	GP2	6.7	90.2	109	✓
5	1800	184T	575	GP100	Ball	1LE22111CB313AA3	588	GP2	5.36	90.2	109	✓
5	1200	215T	208-230/460	GP100	Ball	1LE22112AC214AA3	1057	GP2	6.8	90.2	163	✓
5	1200	215T	575	GP100	Ball	1LE22112AC213AA3	1057	GP2	5.44	90.2	163	✓
7.5	3600	213T	208-230/460	GP100	Ball	1LE22112AA114AA3	849	GP2	8.5	91.7	178	✓
7.5	3600	213T	575	GP100	Ball	1LE22112AA113AA3	849	GP2	6.8	91.7	178	✓
7.5	1800	213T	208-230/460	GP100	Ball	1LE22112AB114AA3	823	GP2	9.5	92.4	178	✓
7.5	1800	213T	575	GP100	Ball	1LE22112AB113AA3	823	GP2	7.6	92.4	178	✓
7.5	1200	254T	208-230/460	GP100	Ball	1LE22112BC114AA3	1418	GP2	10.5	92.4	307	✓
7.5	1200	254T	575	GP100	Ball	1LE22112BC113AA3	1418	GP2	8.4	92.4	307	✓
10	3600	215T	208-230/460	GP100	Ball	1LE22112AA214AA3	1001	GP2	11.5	91.7	185	✓
10	3600	215T	575	GP100	Ball	1LE22112AA213AA3	1001	GP2	9.2	91.7	185	✓
10	1800	215T	208-230/460	GP100	Ball	1LE22112AB214AA3	1001	GP2	12.5	92.4	185	✓
10	1800	215T	575	GP100	Ball	1LE22112AB213AA3	1001	GP2	10	92.4	185	✓
10	1200	256T	208-230/460	GP100	Ball	1LE22112BC214AA3	1667	GP2	13.5	92.4	307	✓
10	1200	256T	575	GP100	Ball	1LE22112BC213AA3	1667	GP2	10.8	92.4	307	✓
15	3600	254T	208-230/460	GP100	Ball	1LE22112BA114AA3	1374	GP2	17	92.4	279	✓
15	3600	254T	575	GP100	Ball	1LE22112BA113AA3	1374	GP2	13.6	92.4	279	✓
15	1800	254T	208-230/460	GP100	Ball	1LE22112BB114AA3	1341	GP2	19	93	268	✓
15	1800	254T	575	GP100	Ball	1LE22112BB113AA3	1341	GP2	15.2	93	268	✓

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

Highlighted ratings exceed NEMA Premium Efficiency levels using Siemens copper rotor technology.

General Purpose - TEFC Motors

GP100 (Cast Iron Frame)

Stock/Modifiable

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
Horizontal, Foot Mounted - continued												
20	3600	256T	208-230/460	GP100	Ball	1LE22112BA214AA3	1700	GP2	23	92.4	303	✓
20	3600	256T	575	GP100	Ball	1LE22112BA213AA3	1700	GP2	18	92.4	303	✓
20	1800	256T	208-230/460	GP100	Ball	1LE22112BB214AA3	1614	GP2	25	93.6	311	✓
20	1800	256T	575	GP100	Ball	1LE22112BB213AA3	1614	GP2	20	93.6	311	✓
C-Face, Horizontal, Foot Mounted												
1	3600	143TC	208-230/460	GP100	Ball	1LE22111AA114EA3	431	GP2	2.6	87.5	65	✓
1	3600	143TC	575	GP100	Ball	1LE22111AA113EA3	431	GP2	2.08	87.5	65	✓
1	1800	143TC	208-230/460	GP100	Ball	1LE22111AB214EA3	431	GP2	1.5	86.5	67	✓
1	1800	143TC	575	GP100	Ball	1LE22111AB213EA3	431	GP2	1.2	86.5	67	✓
1	1200	145TC	208-230/460	GP100	Ball	1LE22111AC314EA3	523	GP2	1.6	84	67	✓
1	1200	145TC	575	GP100	Ball	1LE22111AC313EA3	523	GP2	1.28	84	67	✓
1.5	3600	143TC	208-230/460	GP100	Ball	1LE22111AA214EA3	440	GP2	1.9	87.5	65	✓
1.5	3600	143TC	575	GP100	Ball	1LE22111AA213EA3	440	GP2	1.52	87.5	65	✓
1.5	1800	145TC	208-230/460	GP100	Ball	1LE22111AB314EA3	469	GP2	2.1	87.5	67	✓
1.5	1800	145TC	575	GP100	Ball	1LE22111AB313EA3	469	GP2	1.68	87.5	67	✓
1.5	1200	182TC	208-230/460	GP100	Ball	1LE22111CC114EA3	579	GP2	2.4	87.5	97	✓
1.5	1200	182TC	575	GP100	Ball	1LE22111CC113EA3	579	GP2	1.92	87.5	97	✓
2	3600	145TC	208-230/460	GP100	Ball	1LE22111AA314EA3	503	GP2	2.6	88.5	66	✓
2	3600	145TC	575	GP100	Ball	1LE22111AA313EA3	503	GP2	2.08	88.5	66	✓
2	1800	145TC	208-230/460	GP100	Ball	1LE22111AB414EA3	505	GP2	2.8	87.5	68	✓
2	1800	145TC	575	GP100	Ball	1LE22111AB413EA3	505	GP2	2.24	87.5	68	✓
2	1200	184TC	208-230/460	GP100	Ball	1LE22111CC314EA3	631	GP2	3	88.5	107	✓
2	1200	184TC	575	GP100	Ball	1LE22111CC313EA3	631	GP2	2.4	88.5	107	✓
3	3600	182TC	208-230/460	GP100	Ball	1LE22111CA114EA3	579	GP2	3.8	89.5	101	✓
3	3600	182TC	575	GP100	Ball	1LE22111CA113EA3	579	GP2	3.04	89.5	101	✓
3	1800	182TC	208-230/460	GP100	Ball	1LE22111CB114EA3	596	GP2	4	90.2	105	✓
3	1800	182TC	575	GP100	Ball	1LE22111CB113EA3	596	GP2	3.2	90.2	105	✓
3	1200	213TC	208-230/460	GP100	Ball	1LE22112AC114EA3	789	GP2	4.3	90.2	150	✓
3	1200	213TC	575	GP100	Ball	1LE22112AC113EA3	789	GP2	3.44	90.2	150	✓
5	3600	184TC	208-230/460	GP100	Ball	1LE22111CA314EA3	729	GP2	6.2	90.2	103	✓
5	3600	184TC	575	GP100	Ball	1LE22111CA313EA3	729	GP2	4.96	90.2	103	✓
5	1800	184TC	208-230/460	GP100	Ball	1LE22111CB314EA3	668	GP2	6.7	90.2	109	✓
5	1800	184TC	575	GP100	Ball	1LE22111CB313EA3	668	GP2	5.36	90.2	109	✓
5	1200	215TC	208-230/460	GP100	Ball	1LE22112AC214EA3	1136	GP2	6.8	90.2	163	✓
5	1200	215TC	575	GP100	Ball	1LE22112AC213EA3	1136	GP2	5.44	90.2	163	✓
7.5	3600	213TC	208-230/460	GP100	Ball	1LE22112AA114EA3	929	GP2	8.5	91.7	178	✓
7.5	3600	213TC	575	GP100	Ball	1LE22112AA113EA3	929	GP2	6.8	91.7	178	✓
7.5	1800	213TC	208-230/460	GP100	Ball	1LE22112AB114EA3	903	GP2	9.5	92.4	178	✓
7.5	1800	213TC	575	GP100	Ball	1LE22112AB113EA3	903	GP2	7.6	92.4	178	✓
7.5	1200	254TC	208-230/460	GP100	Ball	1LE22112BC114EA3	1521	GP2	10.5	92.4	307	✓
7.5	1200	254TC	575	GP100	Ball	1LE22112BC113EA3	1521	GP2	8.4	92.4	307	✓
10	3600	215TC	208-230/460	GP100	Ball	1LE22112AA214EA3	1081	GP2	11.5	91.7	185	✓
10	3600	215TC	575	GP100	Ball	1LE22112AA213EA3	1081	GP2	9.2	91.7	185	✓
10	1800	215TC	208-230/460	GP100	Ball	1LE22112AB214EA3	1081	GP2	12.5	92.4	185	✓
10	1800	215TC	575	GP100	Ball	1LE22112AB213EA3	1081	GP2	10	92.4	185	✓
10	1200	256TC	208-230/460	GP100	Ball	1LE22112BC214EA3	1771	GP2	13.5	92.4	307	✓
10	1200	256TC	575	GP100	Ball	1LE22112BC213EA3	1771	GP2	10.8	92.4	307	✓

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

Highlighted ratings exceed NEMA Premium Efficiency levels using Siemens copper rotor technology.

General Purpose - TEFC Motors

GP100 (Cast Iron Frame)

Stock/Modifiable

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
C-Face, Horizontal, Foot Mounted - continued												
15	3600	254TC	208-230/460	GP100	Ball	1LE22112BA114EA3	1478	GP2	17	92.4	279	✓
15	3600	254TC	575	GP100	Ball	1LE22112BA113EA3	1478	GP2	13.6	92.4	279	✓
15	1800	254TC	208-230/460	GP100	Ball	1LE22112BB114EA3	1445	GP2	19	93	268	✓
15	1800	254TC	575	GP100	Ball	1LE22112BB113EA3	1445	GP2	15.2	93	268	✓
20	3600	256TC	208-230/460	GP100	Ball	1LE22112BA214EA3	1804	GP2	23	92.4	303	✓
20	3600	256TC	575	GP100	Ball	1LE22112BA213EA3	1804	GP2	18	92.4	303	✓
20	1800	256TC	208-230/460	GP100	Ball	1LE22112BB214EA3	1718	GP2	25	93.6	311	✓
20	1800	256TC	575	GP100	Ball	1LE22112BB213EA3	1718	GP2	20	93.6	311	✓
C-Face, Horizontal, Footless												
1	3600	143TC	208-230/460	GP100	Ball	1LE22111AA114GA3	446	GP2	2.6	87.5	65	✓
1	3600	143TC	575	GP100	Ball	1LE22111AA113GA3	446	GP2	2.08	87.5	65	✓
1	1800	143TC	208-230/460	GP100	Ball	1LE22111AB214GA3	446	GP2	1.5	86.5	67	✓
1	1800	143TC	575	GP100	Ball	1LE22111AB213GA3	446	GP2	1.2	86.5	67	✓
1	1200	145TC	208-230/460	GP100	Ball	1LE22111AC314GA3	538	GP2	1.6	84	67	✓
1	1200	145TC	575	GP100	Ball	1LE22111AC313GA3	538	GP2	1.28	84	67	✓
1.5	3600	143TC	208-230/460	GP100	Ball	1LE22111AA214GA3	455	GP2	1.9	87.5	65	✓
1.5	3600	143TC	575	GP100	Ball	1LE22111AA213GA3	455	GP2	1.52	87.5	65	✓
1.5	1800	145TC	208-230/460	GP100	Ball	1LE22111AB314GA3	484	GP2	2.1	87.5	67	✓
1.5	1800	145TC	575	GP100	Ball	1LE22111AB313GA3	484	GP2	1.68	87.5	67	✓
1.5	1200	182TC	208-230/460	GP100	Ball	1LE22111CC114GA3	603	GP2	2.4	87.5	97	✓
1.5	1200	182TC	575	GP100	Ball	1LE22111CC113GA3	603	GP2	1.92	87.5	97	✓
2	3600	145TC	208-230/460	GP100	Ball	1LE22111AA314GA3	518	GP2	2.6	88.5	66	✓
2	3600	145TC	575	GP100	Ball	1LE22111AA313GA3	518	GP2	2.08	88.5	66	✓
2	1800	145TC	208-230/460	GP100	Ball	1LE22111AB414GA3	519	GP2	2.8	87.5	68	✓
2	1800	145TC	575	GP100	Ball	1LE22111AB413GA3	519	GP2	2.24	87.5	68	✓
2	1200	184TC	208-230/460	GP100	Ball	1LE22111CC314GA3	655	GP2	3	88.5	107	✓
2	1200	184TC	575	GP100	Ball	1LE22111CC313GA3	655	GP2	2.4	88.5	107	✓
3	3600	182TC	208-230/460	GP100	Ball	1LE22111CA114GA3	603	GP2	3.8	89.5	101	✓
3	3600	182TC	575	GP100	Ball	1LE22111CA113GA3	603	GP2	3.04	89.5	101	✓
3	1800	182TC	208-230/460	GP100	Ball	1LE22111CB114GA3	620	GP2	4	90.2	105	✓
3	1800	182TC	575	GP100	Ball	1LE22111CB113GA3	620	GP2	3.2	90.2	105	✓
3	1200	213TC	208-230/460	GP100	Ball	1LE22112AC114GA3	813	GP2	4.3	90.2	150	✓
3	1200	213TC	575	GP100	Ball	1LE22112AC113GA3	813	GP2	3.44	90.2	150	✓
5	3600	184TC	208-230/460	GP100	Ball	1LE22111CA314GA3	754	GP2	6.2	90.2	103	✓
5	3600	184TC	575	GP100	Ball	1LE22111CA313GA3	754	GP2	4.96	90.2	103	✓
5	1800	184TC	208-230/460	GP100	Ball	1LE22111CB314GA3	692	GP2	6.7	90.2	109	✓
5	1800	184TC	575	GP100	Ball	1LE22111CB313GA3	692	GP2	5.36	90.2	109	✓
5	1200	215TC	208-230/460	GP100	Ball	1LE22112AC214GA3	1161	GP2	6.8	90.2	163	✓
5	1200	215TC	575	GP100	Ball	1LE22112AC213GA3	1161	GP2	5.44	90.2	163	✓
7.5	3600	213TC	208-230/460	GP100	Ball	1LE22112AA114GA3	953	GP2	8.5	91.7	178	✓
7.5	3600	213TC	575	GP100	Ball	1LE22112AA113GA3	953	GP2	6.8	91.7	178	✓
7.5	1800	213TC	208-230/460	GP100	Ball	1LE22112AB114GA3	927	GP2	9.5	92.4	178	✓
7.5	1800	213TC	575	GP100	Ball	1LE22112AB113GA3	927	GP2	7.6	92.4	178	✓
7.5	1200	254TC	208-230/460	GP100	Ball	1LE22112BC114GA3	1558	GP2	10.5	92.4	307	✓
7.5	1200	254TC	575	GP100	Ball	1LE22112BC113GA3	1558	GP2	8.4	92.4	307	✓

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

Highlighted ratings exceed NEMA Premium Efficiency levels using Siemens copper rotor technology.

General Purpose - TEFC Motors

GP100 (Cast Iron Frame)

Stock/Modifiable

HP	RPM	Frame	Voltage	Type	DE Bearing	Part Number	List Price \$	Multiplier Symbol	FL Amps*	FL Nom. Eff. (%)	Weight (lbs.)	Stock Model
C-Face, Horizontal, Footless - continued												
10	3600	215TC	208-230/460	GP100	Ball	1LE22112AA214GA3	1105	GP2	11.5	91.7	185	✓
10	3600	215TC	575	GP100	Ball	1LE22112AA213GA3	1105	GP2	9.2	91.7	185	
10	1800	215TC	208-230/460	GP100	Ball	1LE22112AB214GA3	1105	GP2	12.5	92.4	185	✓
10	1800	215TC	575	GP100	Ball	1LE22112AB213GA3	1105	GP2	10	92.4	185	
10	1200	256TC	208-230/460	GP100	Ball	1LE22112BC214GA3	1808	GP2	13.5	92.4	307	✓
10	1200	256TC	575	GP100	Ball	1LE22112BC213GA3	1808	GP2	10.8	92.4	307	
15	3600	254TC	208-230/460	GP100	Ball	1LE22112BA114GA3	1515	GP2	17	92.4	279	✓
15	3600	254TC	575	GP100	Ball	1LE22112BA113GA3	1515	GP2	13.6	92.4	279	
15	1800	254TC	208-230/460	GP100	Ball	1LE22112BB114GA3	1482	GP2	19	93	268	✓
15	1800	254TC	575	GP100	Ball	1LE22112BB113GA3	1482	GP2	15.2	93	268	
20	3600	256TC	208-230/460	GP100	Ball	1LE22112BA214GA3	1840	GP2	23	92.4	303	✓
20	3600	256TC	575	GP100	Ball	1LE22112BA213GA3	1840	GP2	18	92.4	303	
20	1800	256TC	208-230/460	GP100	Ball	1LE22112BB214GA3	1755	GP2	25	93.6	311	✓
20	1800	256TC	575	GP100	Ball	1LE22112BB213GA3	1755	GP2	20	93.6	311	

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

Highlighted ratings exceed NEMA Premium Efficiency levels using Siemens copper rotor technology.

HIGH EFFICIENT
General PurposeHIGH EFFICIENT
Severe DutyHIGH EFFICIENT
Multi-SpeedHIGH EFFICIENT
Hazardous DutyHIGH EFFICIENT
Definite PurposeHIGH EFFICIENT
P-Base VerticalNEMA PREMIUM
General PurposeNEMA PREMIUM
Severe Duty