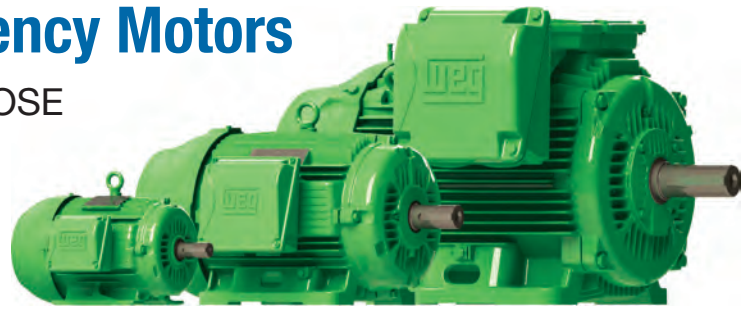


# Super Premium Efficiency Motors

SEVERE DUTY GENERAL PURPOSE

Three-Phase



Super Premium  
Efficiency Motors

## TEFC

Super Premium Efficiency motors offer high performance with maximum energy efficiency. This motor provides high efficiency and low cost of ownership throughout the entire motor lifetime. This design maximizes performance and energy savings.

WEG's W22 Super Premium cast iron platform has a superior cooling system and solid feet for cooler operation and minimal vibration and noise extending the life of the motor.

### Standard Features:

- 50/60 Hz rated (380V on Nameplate - 400/415 Available - Same Horsepower at 50 Hz with a 1.0 Service Factor)
- Class F insulation (Impregnation Resin and Magnet wire are class H)
- NEMA design A. All ratings Exceed NEMA design C for motors 15HP and above
- F1 Mounted (Cast Iron frames 254T and larger are F2 convertible)
- Stainless Steel Nameplate - Laser etched with high contrast background
- Regreasable ball bearings (Frames 254T and up)
- Gasketed conduit box
- Class I, Div. 2, Groups A, B, C & D – T3, Class II, Div 2, Groups F & G – T3C

### Features that make a difference:

- Super Premium efficiency exceeding NEMA Premium® levels
- 1.25 Service Factor in all ratings
- Optimized ventilation system for cooler operation and low noise levels.
- Solid base for lower vibration levels
- Frames 447T and up can easily be F2 converted by rotating the terminal box adapter
- NPT Threaded terminal box

**Inverter Rated:**  
**1000 : 1 for variable torque**  
**20 : 1 for constant torque**

### ADDITIONAL TECHNICAL DATA

ELECTRICAL DATA: B-48

MECHANICAL DATA: B-68





# Super Premium Efficiency Motors

## SEVERE DUTY - GENERAL PURPOSE - Three-Phase

### TEFC - Foot Mount

HP	KW	RPM	Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
1	0.75	3600	143/5T	<a href="#">00136EG3E143T-W22</a>	\$569	N1	48	1.25	1.35	84.0	13.358	230/460	36;37
		1800	143/5T	<a href="#">00118EG3E143T-W22</a>	\$580	N1	56	1.25	1.33	87.5	13.358	230/460	36;37
1.5	1.1	3600	143/5T	<a href="#">00156EG3E143T-W22</a>	\$597	N1	51	1.25	1.92	86.5	13.358	230/460	36;37
		1800	L143/5T	<a href="#">00158EG3EL145T-W22</a>	\$606	N1	64	1.25	1.93	88.5	14.566	230/460	36;37;39
2	1.5	3600	143/5T	<a href="#">00236EG3E145T-W22</a>	\$650	N1	56	1.25	2.56	87.5	13.358	230/460	36;37
		1800	L143/5T	<a href="#">00218EG3EL145T-W22</a>	\$673	N1	64	1.25	2.63	88.5	14.566	230/460	36;37;39
3	2.2	3600	182/4T	<a href="#">00336EG3E182T-W22</a>	\$839	N1	98	1.25	3.67	88.5	15.860	230/460	36;37
		1800	182/4T	<a href="#">00318EG3E182T-W22</a>	\$729	N1	103	1.25	3.75	91.0	15.860	230/460	36;37
		1200	213/5T	<a href="#">00312EG3E213T-W22</a>	\$1,242	N1	184	1.25	4.31	90.2	19.517	230/460	36;37
5	3.7	3600	182/4T	<a href="#">00536EG3E184T-W22</a>	\$960	N1	106	1.25	5.99	90.2	15.860	230/460	36;37
		1800	L182/4T	<a href="#">00518EG3EL184T-W22</a>	\$849	N1	118	1.25	6.38	91.0	17.041	230/460	36;37;39
		1200	L213/5T	<a href="#">00512EG3EL215T-W22</a>	\$1,465	N1	207	1.25	6.80	91.0	20.461	230/460	36;37;39
7.5	5.5	3600	213/5T	<a href="#">00736EG3E213T-W22</a>	\$1,238	N1	169	1.25	8.82	91.0	19.517	230/460	36;37
		1800	213/5T	<a href="#">00718EG3E213T-W22</a>	\$1,198	N1	186	1.25	8.94	93.0	19.517	230/460	36;37
		1200	254/6T	<a href="#">00712EG3E254T-W22</a>	\$2,272	N1	356	1.25	9.46	92.4	24.945	230/460	36;37
10	7.5	3600	213/5T	<a href="#">01036EG3E215T-W22</a>	\$1,465	N1	193	1.25	11.5	91.7	19.517	230/460	36;37
		1800	L213/5T	<a href="#">01018EG3EL215T-W22</a>	\$1,400	N1	209	1.25	12.0	93.0	20.461	230/460	36;37;39
		1200	254/6T	<a href="#">01012EG3E256T-W22</a>	\$2,636	N1	387	1.25	12.7	92.4	24.945	230/460	36;37
15	11	3600	254/6T	<a href="#">01536EG3E254T-W22</a>	\$2,006	N1	340	1.25	17.4	92.4	24.945	230/460	36;37
		1800	254/6T	<a href="#">01518EG3E254T-W22</a>	\$2,033	N1	365	1.25	17.8	93.6	24.945	230/460	36;37
		1200	284/6T	<a href="#">01512EG3E284T-W22</a>	\$3,620	N1	449	1.25	18.1	93.0	27.929	230/460	36;37
20	15	3600	254/6T	<a href="#">02036EG3E256T-W22</a>	\$2,620	N1	373	1.25	23.0	93.0	24.945	230/460	36;37
		1800	254/6T	<a href="#">02018EG3E256T-W22</a>	\$2,421	N1	396	1.25	24.7	94.1	24.945	230/460	36;37
		1200	284/6T	<a href="#">02012EG3E286T-W22</a>	\$4,358	N1	495	1.25	24.4	93.0	27.929	230/460	36;37
25	18.5	3600	284/6TS	<a href="#">02536EG3E284TS-W22</a>	\$3,298	N1	435	1.25	28.5	93.6	26.557	230/460	36;37
		1800	284/6T	<a href="#">02518EG3E284T-W22</a>	\$3,017	N1	459	1.25	30.3	94.5	27.929	230/460	36;37
		1200	324/6T	<a href="#">02512EG3E324T-W22</a>	\$5,211	N1	623	1.25	30.8	94.1	31.116	230/460	36;37
30	22	3600	284/6TS	<a href="#">03036EG3E286TS-W22</a>	\$3,917	N1	475	1.25	33.5	93.6	26.557	230/460	36;37
		1800	284/6T	<a href="#">03018EG3E286T-W22</a>	\$3,545	N1	491	1.25	35.6	94.5	27.929	230/460	36;37
		1200	324/6T	<a href="#">03012EG3E326T-W22</a>	\$5,800	N1	667	1.25	36.7	94.1	31.116	230/460	36;37
40	30	3600	324/6TS	<a href="#">04036EG3E324TS-W22</a>	\$5,198	N1	590	1.25	46.5	94.1	29.616	230/460	36;37
		1800	324/6T	<a href="#">04018EG3E324T-W22</a>	\$4,596	N1	638	1.25	48.9	95.0	31.116	230/460	36;37
		1200	364/5T	<a href="#">04012EG3E364T-W22</a>	\$8,012	N1	1046	1.25	48.9	95.0	34.251	230/460	36;37
50	37	3600	324/6TS	<a href="#">05036EG3E326TS-W22</a>	\$5,848	N1	637	1.25	57.1	94.5	29.616	230/460	36;37
		1800	324/6T	<a href="#">05018EG3E326T-W22</a>	\$5,610	N1	661	1.25	60.1	95.4	31.116	230/460	36;37
		1200	364/5T	<a href="#">05012EG3E365T-W22</a>	\$9,370	N1	1062	1.25	60.3	95.0	34.251	230/460	36;37
60	45	3600	364/5TS	<a href="#">06036EG3E364TS-W22</a>	\$8,307	N1	1042	1.25	66.8	95.0	32.338	230/460	36;37
		1800	364/5T	<a href="#">06018EG3E364T-W22</a>	\$8,128	N1	1045	1.25	70.2	95.8	34.251	230/460	36;37
		1200	404/5T	<a href="#">06012EG3E404T-W22</a>	\$11,547	N1	1323	1.25	72.2	95.4	39.730	230/460	36;37
75	55	3600	364/5TS	<a href="#">07536EG3E365TS-W22</a>	\$10,000	N1	1041	1.25	82.6	95.0	32.338	230/460	36;37
		1800	364/5T	<a href="#">07518EG3E365T-W22</a>	\$9,576	N1	1046	1.25	86.8	95.8	34.251	230/460	36;37
		1200	404/5T	<a href="#">07512EG3E405T-W22</a>	\$13,264	N1	1344	1.25	89.3	95.4	39.730	230/460	36;37
100	75	3600	404/5TS	<a href="#">10036EG3E405TS-W22</a>	\$13,202	N1	1299	1.25	111	95.4	36.732	230/460	36;37
		1800	404/5T	<a href="#">10018EG3E405T-W22</a>	\$12,858	N1	1328	1.25	116	96.2	39.730	230/460	36;37
		1200	444/5T	<a href="#">10012EG3E444T-W22</a>	\$17,194	N1	2145	1.25	124	95.8	45.157	230/460	36;37

Super Premium Efficiency Motors

continued on next page

Please refer to back cover for description of "NOTES"

For detailed specifications, data sheets, drawings and performance curves visit <http://www.weg.net>

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# Super Premium Efficiency Motors



SEVERE DUTY - GENERAL PURPOSE - Three-Phase

## TEFC - Foot Mount - *continued*

HP	kW	RPM	Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
125	90	3600	444/5TS	<a href="#">12536EG3G444TS-W22</a>	<b>\$16,885</b>	N1	1872	1.25	136	95.8	41.407	460	36;37
		1800	444/5T	<a href="#">12518EG3G444T-W22</a>	<b>\$16,223</b>	N1	1991	1.25	140	96.2	45.157	460	36;37
		1200	444/5T	<a href="#">12512EG3G445T-W22</a>	<b>\$19,742</b>	N1	2231	1.25	152	95.8	45.157	460	36;37
150	110	3600	444/5TS	<a href="#">15036EG3G445TS-W22</a>	<b>\$20,770</b>	N1	2071	1.25	163	96.2	41.407	460	36;37
		1800	444/5T	<a href="#">15018EG3G445T-W22</a>	<b>\$19,162</b>	N1	2226	1.25	170	96.5	45.157	460	36;37
		1200	447/9T	<a href="#">15012EG3G449T-W22</a>	<b>\$22,703</b>	N1	3098	1.25	179	96.2	56.338	460	36;37
200	150	3600	445/7TS	<a href="#">20036EG3G447TS-W22</a>	<b>\$25,918</b>	N1	2333	1.25	217	96.2	44.951	460	36;37
		1800	447/9T	<a href="#">20018EG3G449T-W22</a>	<b>\$23,208</b>	N1	2995	1.25	234	96.8	56.338	460	36;37
		1200	447/9T	<a href="#">20012EG3G449T-W22</a>	<b>\$27,646</b>	N1	3145	1.25	245	96.2	56.338	460	36;37
250	185	3600	445/7TS	<a href="#">25036EG3G447TS-W22</a>	<b>\$32,831</b>	N1	2480	1.25	267	96.5	44.951	460	36;37
		1800	447/9T	<a href="#">25018EG3G449T-W22</a>	<b>\$29,388</b>	N1	3083	1.25	286	96.8	56.338	460	36;37

Super Premium Efficiency Motors

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# Super Premium Efficiency

The most efficient induction motor in the World!



Motors with higher efficiency  
and lower total cost of ownership...  
**We call it WEGnology.**

Transforming energy into solutions.

[www.weg.net](http://www.weg.net)





- Models in blue text are NEMA Premium Efficiency

- Models in green text are NEMA Super Premium Efficiency

## Catalog Notes

1	1.0 Service Factor	31	Rating is suitable for 1.0SF @ 50Hz. Also suitable for next lower HP @ 1.15SF 50Hz
2	Aluminum Frame with Removable Feet	32	Suitable for 1.15SF @ 50°C ambient
3	Automatic Reset Thermal Overload Protector	33	Suitable for 380V 60Hz when wired as YY (double WYE)
4	Manual Reset Thermal Overload Protector	34	AEGIS® Inside
5	CCW Rotation Viewed from Shaft End - Non Reversible	35	AEGIS® ring installation reduces the available "N-W" length
6	Compressor Duty	36	Super Premium
7	F2 Mount	37	Design A
8	F3 Mount	38	TEAO - Totally Enclosed Air Over
9	Rolled Steel Frame - Cannot be modified with T Box on opposite side	39	Cannot be modified with T Box on opposite side
10	Not Thermally Protected	40	NDE shaft with 3/8" drive socket
11	Metal fan - Not suitable for division 2	41	Also rated 230/460V 50Hz 1.0 SF
12	Reduced Frame	42	Rated 50°C ambient
13	Resilient Base	43	With insulated non drive end housing
14	Roller Bearing	44	With air deflector. Flange MOD not available
15	Round Body - Drip Cover Included	45	Also rated 380V 50Hz
16	Split-Phase Motor	46	56J shaft end with dual opposed threads (7/16-20 UNF-2A R.H and 3/8-16 UNF-2A L.H)
17	TENV - Totally Enclosed Non Ventilated	47	Motor designed with copper bar rotor
18	Z-Frame; Bigger Shaft Diameter and Bearings	48	Motor suitable for safe area only
19	105K Tempature Rise		
20	Round Body - Drip Cover NOT Included		
21	Stainless Steel Body		
22	Two Speed - Double Windings		
23	Two Speed - Single Winding		
24	Modified item. Usually ships in two weeks		
25	Brake rectifier suitable for 230VAC		
26	Brake rectifier suitable for 460VAC		
27	For Export Only (not to be used in the USA) due to Certification and/or Efficiency requirements.		
28	ODP Fan Cooled		
29	Standard Efficiency		
30	High Efficiency (EPACT)		