

Super Premium Efficiency Motors

GENERAL PURPOSE

Three-Phase

TEFC

High performance with maximum energy efficiency, this is the meaning of the new WEG electric motor. High efficiency and Low cost of Ownership throughout the entire motor lifetime have been the basis for the W22 development. A design created to anticipate concepts on performance and energy savings.

WEG's W22 cast iron platform has an improved cooling system and solid feet for cooler operation and reduced 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 rating Exceed NEMA design C (1)
- F1 Mounted (Cast Iron frames 254T and larger are F2 convertible)
- Frames 447T and up can easily be F2 converted by simply rotating the terminal box adapter.
- 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 reduced noise levels.
- Solid base for reduced vibration levels
- Frames 447T and up can easily be F2 converted by simply 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: p. B-49

MECHANICAL DATA: p. C-2



Super Premium Efficiency Motors

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TEFC – Foot Mount – Super Premium

HP	kW	RPM	NEMA 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	143T	00136EG3E143T-W22	669	N1	42	1.25	1.35	84.0	12.346	208-230/460	36
		1800	L143T	00118EG3EL143T-W22	580	N1	56	1.25	1.33	87.5	13.566	208-230/460	36
1.5	1.1	3600	143T	00156EG3E143T-W22	597	N1	44	1.25	1.92	86.5	12.346	208-230/460	36
		1800	L145T	00158EG3EL145T-W22	606	N1	59	1.25	1.93	88.5	14.566	208-230/460	36
2	1.5	3600	145T	00236EG3E145T-W22	650	N1	51	1.25	2.56	87.5	13.346	208-230/460	36
		1800	L145T	00218EG3EL145T-W22	673	N1	47	1.25	2.64	88.5	14.566	208-230/460	36
3	2.2	3600	182T	00336EG3E182T-W22	839	N1	97	1.25	3.67	88.5	14.860	208-230/460	36
		1800	L182T	00318EG3EL182T-W22	729	N1	106	1.25	3.76	91.0	16.041	208-230/460	36
5	3.7	3600	184T	00536EG3E184T-W22	960	N1	106	1.25	5.99	90.2	15.860	208-230/460	36
		1800	L184T	00518EG3EL184T-W22	849	N1	117	1.25	6.40	91.0	17.041	208-230/460	36
		1200	L215T	00512EG3EL215T-W22	1,465	N1	203	1.25	6.83	91.0	20.905	208-230/460	11;36
7.5	5.5	3600	213T	00736EG3E213T-W22	1,238	N1	161	1.25	8.82	91.0	18.021	208-230/460	36
		1800	L213T	00718EG3EL213T-W22	1,198	N1	182	1.25	8.94	93.0	19.527	208-230/460	36
10	7.5	1200	254T	00712EG3E254T-W22	2,272	N1	324	1.25	9.46	92.4	23.213	208-230/460	11;36
		3600	215T	01036EG3E215T-W22	1,465	N1	190	1.25	11.5	91.7	19.517	208-230/460	36
15	11	1800	L215T	01018EG3EL215T-W22	1,400	N1	209	1.25	12.0	93.0	20.905	208-230/460	36
		1200	256T	01012EG3E256T-W22	2,636	N1	364	1.25	12.7	92.4	24.945	208-230/460	11;36
20	15	3600	254T	01536EG3E254T-W22	2,006	N1	319	1.25	17.4	92.4	23.213	208-230/460	36
		1800	254T	01518EG3E254T-W22	2,033	N1	344	1.25	17.8	93.6	23.213	208-230/460	36
		1200	284T	01512EG3E284T-W22	3,620	N1	437	1.25	18.1	93.0	26.433	208-230/460	11;36
25	18.5	3600	256T	02036EG3E256T-W22	2,620	N1	365	1.25	23.0	93.0	24.945	208-230/460	36
		1800	256T	02018EG3E256T-W22	2,421	N1	386	1.25	24.7	94.1	24.945	208-230/460	36
30	22	1200	286T	02012EG3E286T-W22	4,358	N1	501	1.25	24.4	93.0	27.929	208-230/460	11;36
		3600	284TS	02536EG3E284TS-W22	3,298	N1	428	1.25	28.5	93.6	25.061	208-230/460	36
40	30	1800	284T	02518EG3E284T-W22	3,017	N1	452	1.25	30.3	94.5	26.433	208-230/460	36
		1200	324T	02512EG3E324T-W22	5,211	N1	608	1.25	30.8	94.1	29.620	208-230/460	11;36
		3600	286TS	03036EG3E286TS-W22	3,917	N1	480	1.25	33.5	93.6	26.557	208-230/460	36
50	37	1800	286T	03018EG3E286T-W22	3,545	N1	496	1.25	35.6	94.5	27.929	208-230/460	36
		1200	326T	03012EG3E326T-W22	5,800	N1	667	1.25	36.7	94.1	31.116	208-230/460	11;36
50	37	3600	324TS	04036EG3E324TS-W22	5,198	N1	566	1.25	46.5	94.1	28.120	208-230/460	36
		1800	324T	04018EG3E324T-W22	4,596	N1	622	1.25	48.9	95.0	29.620	208-230/460	36
		1200	364/5T	04012EG3E364T-W22	8,012	N1	1029	1.25	48.9	95.0	34.251	208-230/460	11;36
50	37	3600	326TS	05036EG3E326TS-W22	5,848	N1	625	1.25	57.1	94.5	29.616	208-230/460	36
		1800	326T	05018EG3E326T-W22	5,610	N1	652	1.25	60.1	95.4	31.116	208-230/460	36
		1200	364/5T	05012EG3E365T-W22	9,370	N1	1045	1.25	60.3	95.0	34.251	208-230/460	11;36

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GENERAL PURPOSE - Three-Phase

TEFC – Foot Mount – Super Premium *continued*

HP	KW	RPM	NEMA Frame	Catalog Number	List Price	Mult. Symbol	Approx. Shipping Weight (lbs)	Service Factor	FL Amps @ High	FL. Eff (%)	"C" Dimension (in)	Voltage (V)	Notes
60	45	3600	364/5TS	06036EG3E364TS-W22	8,307	N1	1028	1.25	66.8	95.0	32.276	208-230/460	36
		1800	364/5T	06018EG3E364T-W22	8,128	N1	1034	1.25	70.2	95.8	34.251	208-230/460	36
		1200	404/5T	06012EG3E404T-W22	11,547	N1	1323	1.25	72.2	95.4	39.730	208-230/460	11;36
75	55	3600	364/5TS	07536EG3E365TS-W22	10,000	N1	1028	1.25	82.6	95.0	32.276	208-230/460	36
		1800	364/5T	07518EG3E365T-W22	9,576	N1	1033	1.25	86.8	95.8	34.251	208-230/460	36
		1200	404/5T	07512EG3E405T-W22	13,264	N1	1348	1.25	89.3	95.4	39.730	208-230/460	11;36
100	75	3600	404/5TS	10036EG3E405TS-W22	13,202	N1	1342	1.25	110	95.4	36.732	208-230/460	36
		1800	404/5T	10018EG3E405T-W22	12,858	N1	1337	1.25	116	96.2	39.730	208-230/460	36
		1200	444/5T	10012EG3E444T-W22	17,194	N1	2046	1.25	124	95.8	44.950	208-230/460	11;36
125	90	3600	444/5TS	12536EG3G444TS-W22	16,885	N1	1915	1.25	136	95.8	41.200	460	36
		1800	444/5T	12518EG3G444T-W22	16,223	N1	1985	1.25	144	96.2	44.950	460	36
		1200	444/5T	12512EG3G445T-W22	19,742	N1	2095	1.25	152	95.8	44.950	460	11;36
150	110	3600	444/5TS	15036EG3G445TS-W22	20,770	N1	2107	1.25	163	96.2	41.200	460	36
		1800	444/5T	15018EG3G445T-W22	19,162	N1	2291	1.25	170	96.5	44.950	460	36
		1200	447/9T	15012EG3G449T-W22	22,703	N1	2589	1.25	179	96.2	56.338	460	11;36
200	150	3600	445/7TS	20036EG3G447TS-W22	25,918	N1	2342	1.25	217	96.2	44.951	460	36
		1800	447/9T	20018EG3G449T-W22	23,208	N1	3310	1.25	234	96.8	56.338	460	36
		1200	447/9T	20012EG3G449T-W22	27,646	N1	3086	1.25	245	96.2	56.338	460	11;36
250	185	3600	445/7TS	25036EG3G447TS-W22	32,831	N1	2780	1.25	267	96.5	44.951	460	36
		1800	447/9T	25018EG3G449T-W22	29,388	N1	3482	1.25	286	96.8	56.338	460	36

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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.

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Refer to electrical and mechanical data sections for additional technical information. Please refer to back cover for description of "NOTES" For detailed specifications, data sheets, drawings and performance curves visit <http://catalog.wegelectric.com>

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