



NEMA PREMIUM EFFICIENCY GENERAL PURPOSE MOTORS

Meets CEE Energy Specification



Frames 143T to 586/7

APPLICATIONS

- Chemical plants
- Compressors
- Pulp and paper mills
- Crushers
- Refineries
- Pumps
- Steel mills
- Fans
- Cement mills
- Packaging equipment

OPTIONAL FEATURES

- Special voltages
- Specially designed shaft
- Space heaters (standard on 586/7 frames)
- Thermistor, Thermostats or RTD's (PT100)
- Additional terminal box
- Drip cover (canopy) for shaft down applications
- Cable glands
- 'C' and 'D' flanges for all ratings
- Roller bearings on drive end available for all frames
- Labyrinth taconite seal available on all ratings

TEFC – THREE PHASE – FOOT MOUNT

WEG'S W21™ NEMA Premium motors meet or exceed all NEMA Premium and CEE requirements for energy efficiency.

These TEFC motors are built according to NEMA specifications and designed for operation in moist or dusty atmospheric conditions without affecting their useful life. Premium Efficiency WEG motors are tested according to IEEE 112 std., method 'B' and their efficiency values are certified by UL Labs (CSA C390). Cooling Tower motors will meet will meet Design B torques, maintaining exceedingly high breakdown and locked rotor torque while providing the highest rated efficiency levels.

STANDARD FEATURES

- Three-phase, II, IV, VI and VIII pole, 60Hz
- Voltage: 208-230/460V, 200V, 460V or 575V
- Totally Enclosed Fan Cooled – TEFC (IP55) water tight and dust tight enclosure
- Squirrel cage rotor / Aluminum die cast
- V-ring slingers on both endshields (586/7 frame equipped with labyrinth taconite seal as standard)
- Ball bearings are supplied as standard (RB part numbers supplied with roller bearings)
- 1045 Carbon Steel Shaft for frames up to 365T.
- 4140 steel shaft for motors 404T and above. (3600 RPM motors supplied with 1045)
- NEMA dimensions
- Class 'F' insulation for all frames
- Class 'H' impregnation resin
- Temperature rise: Class 'B' (80°C)
- NEMA Design 'B'*
- Most ratings meet Design C Torque
- Service factor: 1.25 up to 100HP
1.15 from 125HP and up
- Continuous duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000m)
- NPT threaded terminal box
- F1 mount
- Stainless steel nameplate AISI 316 with laser etching
- Color: RAL 6002 (Green)
- Automatic drain plugs
- pressure compensated
- Regreasable bearings positive pressure lubrication system (frames 254T and up)
- Gasketed conduit box
- MGI Part 31 rating for use with VFD - 20:1 constant torque speed range. Speed range can be extended with optional Blower kit.
- Class 1, Div 2, Groups B, C & D, T3C



NOTE:

* Design B torque rating on nameplate can be re-plated for Design C. Energy efficiency motors verified by UL in addition to the DOE.



APPROVED BY



E 104590

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LR 38324

NEMA PREMIUM EFFICIENCY – GENERAL PURPOSE MOTORS

THREE-PHASE – TEFC

MEETS CEE ENERGY SPECIFICATION



List Price Multiplier .63



FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
1	1800	143T	00118ET3ERS143T	483	RSP	36	1.45	85.5	14.095	208-230/460V	RS
	1800	143T	00118ET3E143T	527	N1	54	1.43	85.5	12.250	208-230/460V	
	1800	143T	00118ET3H143T	527	N1	54	1.43	85.5	12.250	575V	
	1200	145T	00112ET3E145T	608	N1	56	1.73	82.5	13.234	208-230/460V	
	1200	145T	00112ET3H145T	608	N1	56	1.73	82.5	13.234	575V	
	900	182T	00109ET3E182T	1,043	N1	104	2.30	78.5	14.860	208-230/460V	◆
1.5	3600	143T	00156ET3ERS143T	498	RSP	38	1.95	84.0	14.095	208-230/460V	RS
	3600	143T	00156ET3E143T	543	N1	45	1.98	84.0	12.250	208-230/460V	
	3600	143T	00156ET3H143T	544	N1	45	1.98	84.0	12.250	575V	
	1800	145T	00158ET3ERS145T	505	RSP	39	2.25	86.5	14.095	208-230/460V	RS
	1800	145T	00158ET3E145T	551	N1	56	2.00	86.5	13.234	208-230/460V	
	1800	145T	00158ET3H145T	551	N1	56	2.00	86.5	13.234	575V	
	1200	182T	00152ET3ERS182T	691	RSP	74	2.39	87.5	16.404	208-230/460V	RS
	1200	182T	00152ET3E182T	754	N1	79	2.39	87.5	14.860	208-230/460V	
	1200	182T	00152ET3H182T	754	N1	79	2.39	87.5	14.860	575V	
	900	184T	00159ET3E184T	1,207	N1	120	2.70	82.5	15.860	208-230/460V	◆
2	3600	145T	00236ET3ERS145T	541	RSP	42	2.50	85.5	14.095	208-230/460V	RS
	3600	145T	00236ET3E145T	591	N1	52	2.65	85.5	13.234	208-230/460V	
	3600	145T	00236ET3H145T	591	N1	52	2.65	85.5	13.234	575V	
	1800	145T	00218ET3ERS145T	561	RSP	46	2.85	86.5	14.095	208-230/460V	RS
	1800	145T	00218ET3E145T	612	N1	58	2.63	86.5	13.234	208-230/460V	
	1800	145T	00218ET3H145T	612	N1	58	2.63	86.5	13.234	575V	
	1200	184T	00212ET3ERS184T	751	RSP	91	3.22	88.5	16.404	208-230/460V	RS
	1200	184T	00212ET3E184T	819	N1	97	3.23	88.5	15.860	208-230/460V	
	1200	184T	00212ET3H184T	819	N1	97	3.23	88.5	15.860	575V	
	900	213T	00209ET3E213T	1,848	N1	154	3.44	85.5	18.021	208-230/460V	◆
3	3600	182T	00336ET3ERS182T	700	RSP	80	3.68	87.5	16.404	208-230/460V	RS
	3600	182T	00336ET3E182T	763	N1	99	3.68	87.5	14.860	208-230/460V	
	3600	182T	00336ET3H182T	764	N1	99	3.68	87.5	14.860	575V	
	1800	182T	00318ET3ERS182T	607	RSP	74	3.91	89.5	16.404	208-230/460V	RS
	1800	182T	00318ET3E182T	663	N1	99	3.90	89.5	14.860	208-230/460V	
	1800	182T	00318ET3H182T	663	N1	99	3.90	89.5	14.860	575V	
	1200	213T	00312ET3ERS213T	1,035	RSP	122	4.41	89.5	20.257	208-230/460V	RS
	1200	213T	00312ET3E213T	1,129	N1	134	4.41	89.5	18.021	208-230/460V	
	1200	213T	00312ET3H213T	1,129	N1	134	4.41	89.5	18.021	575V	
	900	215T	00309ET3E215T	2,115	N1	166	4.33	84.0	19.517	208-230/460V	◆
5	3600	184T	00536ET3ERS184T	800	RSP	93	5.96	89.5	16.404	208-230/460V	RS
	3600	184T	00536ET3E184T	873	N1	114	5.76	89.5	15.860	208-230/460V	
	3600	184T	00536ET3H184T	872	N1	114	5.76	89.5	15.860	575V	
	1800	184T	00518ET3ERS184T	707	RSP	92	6.40	89.5	16.404	208-230/460V	RS
	1800	184T	00518ET3E184T	772	N1	108	6.40	89.5	15.860	208-230/460V	
	1800	184T	00518ET3H184T	772	N1	108	6.40	89.5	15.860	575V	
	1200	215T	00512ET3ERS215T	1,221	RSP	146	6.83	89.5	20.257	208-230/460V	RS
	1200	215T	00512ET3E215T	1,332	N1	175	6.83	89.5	19.517	208-230/460V	
	1200	215T	00512ET3H215T	1,332	N1	175	6.83	89.5	19.517	575V	
	900	254T	00509ET3E254T	3,301	N1	244	8.00	86.6	23.213	208-230/460V	◆

• ELECTRICAL FEATURES ON PAGE B-11.

• MECHANICAL FEATURES ON PAGE B-52.

RS NEMA T Rolled Steel

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FRACTIONAL HP

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NEMA PREMIUM EFFICIENCY

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List Price Multiplier .63



FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
7.5	3600	213T	00736ET3ERS213T	1,032	RSP	125	8.63	91.0	20.257	208-230/460V	RS
	3600	213T	00736ET3E213T	1,125	N1	134	8.63	91.0	18.021	208-230/460V	
	3600	213T	00736ET3H213T	1,125	N1	134	8.63	91.0	18.021	575V	
	1800	213T	00718ET3ERS213T	998	RSP	139	9.29	91.7	20.257	208-230/460V	RS
	1800	213T	00718ET3E213T	1,089	N1	165	9.29	91.7	18.021	208-230/460V	
	1800	213T	00718ET3H213T	1,089	N1	165	9.29	91.7	18.021	575V	
	1200	254T	00712ET3ERS254T	1,894	RSP	237	9.73	91.0	24.925	208-230/460V	RS
	1200	254T	00712ET3E254T	2,065	N1	282	9.73	91.0	23.213	208-230/460V	
	1200	254T	00712ET3H254T	2,065	N1	282	9.73	91.0	23.213	575V	
10	900	256T	00709ET3E256T	3,658	N1	302	11.7	86.9	24.945	208-230/460V	◆
	3600	215T	01036ET3ERS215T	1,221	RSP	158	11.5	91.7	20.257	208-230/460V	RS
	3600	215T	01036ET3E215T	1,332	N1	173	11.5	91.7	19.517	208-230/460V	
	3600	215T	01036ET3H215T	1,332	N1	173	11.5	91.7	19.517	575V	
	1800	215T	01018ET3ERS215T	1,168	RSP	153	12.7	91.7	20.257	208-230/460V	RS
	1800	215T	01018ET3E215T	1,273	N1	172	12.6	91.7	19.517	208-230/460V	
	1800	215T	01018ET3H215T	1,273	N1	172	12.6	91.7	19.517	575V	
	1200	256T	01012ET3ERS256T	2,198	RSP	260	13.3	91.0	24.925	208-230/460V	RS
	1200	256T	01012ET3E256T	2,396	N1	316	13.3	91.0	24.945	208-230/460V	
15	1200	256T	01012ET3H256T	2,396	N1	316	13.3	91.0	24.945	575V	
	900	284T	01009ET3E284T	4,634	N1	413	13.6	91.0	26.433	208-230/460V	◆
	3600	254T	01536ET3ERS254T	1,673	RSP	214	16.9	91.7	22.956	208-230/460V	RS
	3600	254T	01536ET3E254T	1,824	N1	280	16.9	91.7	23.213	208-230/460V	
	3600	254T	01536ET3H254T	1,824	N1	280	16.9	91.7	23.213	575V	
	1800	254T	01518ET3ERS254T	1,695	RSP	238	18.0	92.4	24.925	208-230/460V	RS
	1800	254T	01518ET3E254T	1,848	N1	291	18.0	92.4	23.213	208-230/460V	
	1800	254T	01518ET3H254T	1,848	N1	291	18.0	92.4	23.213	575V	
	1200	284T	01512ET3E284T	3,291	N1	360	17.3	91.7	26.433	208-230/460V	
20	1200	284T	01512ET3H284T	3,291	N1	360	17.3	91.7	26.433	575V	
	900	286T	01509ET3E286T	5,368	N1	463	19.0	91.0	27.929	208-230/460V	◆
	3600	256T	02036ET3ERS256T	2,185	RSP	237	22.9	92.4	24.925	208-230/460V	RS
	3600	256T	02036ET3E256T	2,382	N1	313	22.9	92.4	24.945	208-230/460V	
	3600	256T	02036ET3H256T	2,383	N1	313	22.9	92.4	24.945	575V	
	1800	256T	02018ET3ERS256T	2,019	RSP	259	24.4	93.0	24.925	208-230/460V	RS
	1800	256T	02018ET3E256T	2,201	N1	324	24.4	93.0	24.945	208-230/460V	
	1800	256T	02018ET3H256T	2,201	N1	324	24.4	93.0	24.945	575V	
	1200	286T	02012ET3E286T	3,962	N1	503	24.1	91.7	27.929	208-230/460V	
25	1200	286T	02012ET3H286T	3,962	N1	503	24.1	91.7	27.929	575V	
	900	324T	02009ET3E324T	6,339	N1	557	27.5	92.4	29.620	208-230/460V	◆
	3600	284TS	02536ET3E284TS	2,998	N1	353	28.4	93.0	25.061	208-230/460V	
	3600	284TS	02536ET3H284TS	2,999	N1	353	28.4	93.0	25.061	575V	
	1800	284T	02518ET3E284T	2,743	N1	481	29.5	93.6	26.433	208-230/460V	
	1800	284T	02518ET3H284T	2,743	N1	481	29.5	93.6	26.433	575V	
	1200	324T	02512ET3E324T	4,737	N1	605	30.5	93.0	29.620	208-230/460V	
	1200	324T	02512ET3H324T	4,737	N1	605	30.5	93.0	29.620	575V	
	900	326T	02509ET3E326T	7,315	N1	632	35.4	92.4	31.116	208-230/460V	◆

• ELECTRICAL FEATURES ON PAGE B-11. • MECHANICAL FEATURES ON PAGE B-52.

RS NEMA T Rolled Steel

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NEMA PREMIUM EFFICIENCY – GENERAL PURPOSE MOTORS

THREE-PHASE – TEFC

MEETS CEE ENERGY SPECIFICATION



List Price Multiplier .63



FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
30	3600	286TS	03036ET3E286TS	3,561	N1	428	33.4	93.0	26.557	208-230/460V	
	3600	286TS	03036ET3H286TS	3,561	N1	428	33.4	93.0	26.557	575V	
	1800	286T	03018ET3E286T	3,223	N1	525	35.1	93.6	27.929	208-230/460V	
	1800	286T	03018ET3H286T	3,223	N1	525	35.1	93.6	27.929	575V	
	1200	326T	03012ET3E326T	5,273	N1	673	35.8	93.0	31.116	208-230/460V	
	1200	326T	03012ET3H326T	5,273	N1	673	35.8	93.0	31.116	575V	
	900	364T	03009ET3E364T	11,215	N1	992	38.5	93.0	33.709	208-230/460V	◆
40	3600	324TS	04036ET3E324TS	4,725	N1	561	45.8	93.6	28.120	208-230/460V	
	3600	324TS	04036ET3H324TS	4,724	N1	561	45.8	93.6	28.120	575V	
	1800	324T	04018ET3E324T	4,178	N1	640	48.3	94.1	29.620	208-230/460V	
	1800	324T	04018ET3H324T	4,178	N1	640	48.3	94.1	29.620	575V	
	1200	364T	04012ET3E364T	7,284	N1	1076	47.1	94.1	33.709	208-230/460V	
	1200	364T	04012ET3H364T	7,284	N1	1076	47.1	94.1	33.709	575V	
	900	365T	04009ET3E365T	12,194	N1	1063	52.3	93.6	33.709	208-230/460V	◆
50	3600	326TS	05036ET3E326TS	5,316	N1	607	55.5	94.1	29.616	208-230/460V	
	1800	326T	05018ET3E326T	5,100	N1	662	60.6	94.5	31.116	208-230/460V	
	1800	326T	05018ET3H326T	5,100	N1	662	60.6	94.5	31.116	575V	
	1200	365T	05012ET3E365T	8,518	N1	1127	58.0	94.1	33.709	208-230/460V	
	900	404T	05009ET3E404T	17,648	N1	1295	68.0	93.6	38.077	208-230/460V	◆
60	3600	364TS	06036ET3E364TS	7,552	N1	992	68.3	94.1	31.583	208-230/460V	
	1800	364T	06018ET3E364T	7,389	N1	1036	68.4	95.0	33.709	208-230/460V	
	1800	364T	06018ET3G364T	7,389	N1	1036	68.4	95.0	33.709	460V	
	1800	364T	06018ET3H364T	7,389	N1	1036	68.4	95.0	33.709	575V	
	1200	404T	06012ET3E404T	10,497	N1	1346	70.4	94.5	38.077	208-230/460V	
	900	405T	06009ET3E405T	20,443	N1	1463	76.9	93.0	38.077	208-230/460V	◆
75	3600	365TS	07536ET3E365TS	9,091	N1	1025	82.6	95.0	31.583	208-230/460V	
	3600	365TS	07536ET3G365TS	9,091	N1	1025	82.6	95.0	31.583	460V	
	1800	365T	07518ET3E365T	8,705	N1	1047	82.3	95.4	33.709	208-230/460V	
	1800	365T	07518ET3G365T	8,705	N1	1047	82.3	95.4	33.709	460V	
	1800	365T	07518ET3H365T	8,705	N1	1047	82.3	95.4	33.709	575V	
	1200	405T	07512ET3E405T	12,058	N1	1478	87.0	94.5	38.077	208-230/460V	
	900	444T	07509ET3E444T	23,334	N1	1660	90.0	93.6	43.776	208-230/460V	◆
100	3600	405TS	10036ET3E405TS	12,002	N1	1361	111	95.0	35.077	208-230/460V	
	3600	405TS	10036ET3G405TS	12,002	N1	1361	111	95.0	35.077	460V	
	1800	405T	10018ET3E405T	11,689	N1	1302	112	95.4	38.077	208-230/460V	
	1800	405T	10018ET3G405T	11,689	N1	1302	112	95.4	38.077	460V	
	1800	405T	10018ET3H405T	11,689	N1	1302	112	95.4	38.077	575V	
	1200	444T	10012ET3E444T	15,631	N1	2006	121	95.0	43.776	208-230/460V	
	1200	444T	10012ET3G444T	15,631	N1	2006	121	95.0	43.776	460V	
	900	445T	10009ET3G445T	26,988	N1	1900	122	94.1	43.776	460V	◆

• ELECTRICAL FEATURES ON PAGE B-12.

• MECHANICAL FEATURES ON PAGE B-52.

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FOOT MOUNT

HP	RPM	NEMA Frame	Catalog Number	List Price	Mult. Sym.	Approx. Shipp. Weight Lbs	FL Amps 460V	FL Eff. %	"C" Dimension (in.)	Voltage	Notes
125	3600	444TS	12536ET3G444TS	15,350	N1	1794	133	95.0	40.026	460V	
	1800	444T	12518ET3G444T	14,748	N1	1841	138	95.4	43.776	460V	
	1200	445T	12512ET3G445T	17,947	N1	2082	145	95.0	43.776	460V	
	900	447T	12509ET3G447T	31,797	N1	2242	146	94.5	47.299	460V	◆
150	3600	445TS	15036ET3G445TS	18,882	N1	1865	161	95.4	40.026	460V	
	1800	445T	15018ET3G445T	17,420	N1	1940	170	95.8	43.776	460V	
	1200	447T	15012ET3G447T	20,639	N1	2738	174	95.8	47.299	460V	
	1200	504	15012ET3G504	20,639	N1	2738	174	95.8	49.449	460V	◆
	900	447T	15009ET3G447T	36,091	N1	2471	179	94.5	47.299	460V	◆
200	3600	447TS	20036ET3G447TS	23,562	N1	2072	221	95.8	43.549	460V	
	3600	504S	20036ET3G504S	23,561	N1	2072	221	95.8	43.569	460V	◆
	1800	447T	20018ET3G447T	21,098	N1	2216	230	96.2	47.299	460V	
	1800	504	20018ET3G504	21,098	N1	2216	230	96.2	49.449	460V	◆
	1200	447T	20012ET3G447T	25,133	N1	2467	234	95.8	47.299	460V	
	1200	505	20012ET3G505	25,133	N1	2467	234	95.8	49.449	460V	◆
	900	586/7	20009ET3G586/7	58,706	N1	4212	261	95.0	59.421	460V	◆
250	3600	447TS	25036ET3G447TS	29,846	N1	2266	269	95.8	43.549	460V	
	3600	505S	25036ET3G505S	29,845	N1	2266	269	95.8	43.569	460V	◆
	1800	447T	25018ET3G447T	26,716	N1	2414	284	96.2	47.299	460V	
	1800	505	25018ET3G505	26,716	N1	2414	284	96.2	49.449	460V	◆
	1200	586/7	25012ET3G586/7	39,631	N1	4002	303	95.8	59.421	460V	
	900	586/7	25009ET3G586/7	66,079	N1	4639	316	95.4	59.421	460V	◆
300	3600	586/7S	30036ET3G586/7S	45,001	N1	3374	328	95.8	48.845	460V	
	1800	586/7	30018ET3G586/7	36,881	N1	3837	338	96.2	59.421	460V	
	1200	586/7	30012ET3G586/7	44,301	N1	4487	351	95.8	59.421	460V	
	900	586/7	30009ET3G586/7	82,778	N1	4873	376	95.4	59.421	460V	◆
350	3600	586/7S	35036ET3G586/7S	54,255	N1	3605	388	95.8	48.845	460V	
	1800	586/7	35018ET3G586/7	42,197	N1	4300	399	96.2	59.421	460V	
	1200	586/7	35012ET3G586/7	51,108	N1	4723	426	95.8	59.421	460V	
	900	586/7	35009ET3G586/7	86,909	N1	5028	439	95.4	59.421	460V	◆
400	1800	586/7	40018ET3G586/7	48,823	N1	4686	460	96.2	59.421	460V	
	1200	586/7	40012ET3G586/7	56,201	N1	4961	491	95.8	59.421	460V	
450	1800	586/7	45018ET3G586/7	50,916	N1	5204	506	96.2	59.421	460V	◆
	1200	586/7	45012ET3G586/7	62,251	N1	5248	540	95.8	59.421	460V	◆
500	1800	586/7	50018ET3G586/7	53,727	N1	5424	568	96.2	59.421	460V	

• ELECTRICAL FEATURES ON PAGE B-12.

• MECHANICAL FEATURES ON PAGE B-52.

RS NEMA T Rolled Steel

◆ Product might not be available from stock