

W21 HIGH EFFICIENCY GENERAL PURPOSE MOTORS



TEFC – THREE PHASE FOOT & FLANGE MOUNT

WEG's W21™ Severe Duty High Efficiency motors are designed to meet or exceed all EPC requirements for energy efficiency as defined by the DOE. The efficiency values are certified according to the DOE's regulations (Certificate of Compliance number CC029A). W21™ motors meet the most demanding severe duty application requirements. These TEFC motors are all cast iron construction, with enclosures rated IP55 to handle wet and dirty environments. They are painted with WEG's own special system, using synthetic enamel alkyd resin paints, which exceed the ASTM B117 standard for salt spray test. The W21™ line is rated for 1.25 Service Factor up to 100HP. This line is rated for dual frequency and dual voltage (with reduced service factor) up to 60 HP. The entire line is certified Inverter Rated for use with a VFD. This rating meets or exceeds MG1 Part 31 NEMA Specifications.



Frames 56 to 586/7T

STANDARD FEATURES (Frames 143T and up) – Cast Iron

- Efficiency Certification number CC029A according to US Department of Energy Regulations
- Three-phase, II, IV, VI and VIII pole, 60Hz
- Voltage: 208-230/460V, 200V, 460V or 575V
- 50/60Hz rated up to 60HP (Same HP for both frequencies) (For 75HP and up please contact your sales office)
- 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 ratings design 'B'
- Most ratings meet Design C Torque*
- Service Factor: 1.25 up to 100HP
1.15 from 125 HP and up
- Continuous duty (S1)
- F1 mounted T-Box (F2 mounted capable)
- Stainless steel nameplate AISI 316 with laser etching
- Paint: Synthetic enamel alkyd resin base (exceeds ASTM B117 salt spray test)
- Color: RAL 5007 - Blue (II, IV and VI pole)
- Automatic drain plugs - pressure compensated
- Regreasable bearings, positive pressure lubrication system (frames 254T and up)
- Gasketed conduit box
- Roller bearing models available
- MGI Part 31 rating for use with VFD at 12:1 constant torque speed range. Speed range can be extended with optional Blower Kit
- Class 1, Div 2, Groups B, C & D, T3C

For standard features (Frame 56), see page A-17.

* Design B torque rating on nameplate can be re-plated for Design C. All motors are tested according to IEEE 112 std. - method 'B' or C390 CSA.
Energy efficiency motors verified by UL in addition to the DOE.



APPROVED BY



E 104590

APPROVED BY



LR 38324

FRACTIONAL HP

GENERAL
PURPOSE

NEMA PREMIUM
EFFICIENCY

CRUSHER® DUTY

IEC
TRU-METRIC™

PUMP
MOTORS

DEFINITE
PURPOSE

ADD-ON™
MODIFICATIONS

MOTOR
TECHNICAL DATA

DRIVES &
SOFT STARTERS

CONTROLS



W21 HIGH EFFICIENCY GENERAL PURPOSE MOTORS



Frames 56 to 586/7T

OPTIONAL FEATURES

- Special voltages
- Specially designed shaft
- Space heaters (standard on 586/7 frames)
- Labyrinth taconite seal available for all ratings
- Thermistors, 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
- Special epoxy painting

APPLICATIONS

- Pumps
- Fans
- Crushers
- Conveyors
- Machine tools
- Milling applications
- Centrifugal machines
- Presses
- Elevators
- Looms
- Grinders
- Woodworking
- Cooling
- Packaging equipment
- Other Severe Duty applications

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ROLLED STEEL LINE – GENERAL PURPOSE MOTORS

TEFC – HIGH EFFICIENCY – THREE-PHASE



STANDARD FEATURES

- Frames (143/5T up to 254/6T)
- Voltages: 208-230/460V
- Degree of Protection: IP55
- V'ring seal
- Ball bearings (ZZ up to 256T)
- Plastic fan
- Class "F" insulation
- Service factor: 1.15
- Color: Munsell N1 (Black)

OPTIONAL FEATURES

- Voltage: 575V and others
- Degree of Protection: IP56
- Lip seal, Oil seal
- Class "H" insulation
- * *More options available upon request*

APPLICATIONS

- Pumps
- Compressors
- Fans
- Machine Tools
- Other General Purpose

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W21 HIGH EFFICIENCY GENERAL PURPOSE MOTORS TEFC - HIGH EFFICIENCY - THREE-PHASE EPACT CC# CC029A



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
1/4	3600	56	.2536ES3EB56	237	F1	27	0.47	65.4	11.496	208-230/460V	
	1800	56	.2518ES3EB56	249	F1	28	0.59	64.1	11.496	208-230/460V	
1/3	3600	56	.3336ES3EB56	249	F1	29	0.61	73.0	11.496	208-230/460V	
	1800	56	.3318ES3EB56	253	F1	30	0.58	72.0	11.496	208-230/460V	
1/2	3600	56	.5036ES3EB56	258	F1	31	0.81	77.0	11.496	208-230/460V	
	1800	56	.5018ES3EB56	287	F1	32	0.85	74.0	11.496	208-230/460V	
	1200	56	.5012ES3EB56	417	F1	36	1.27	71.0	11.496	208-230/460V	
3/4	3600	56	.7536ES3EB56	287	F1	33	1.09	79.0	11.496	208-230/460V	
	1800	56	.7518ES3EB56	311	F1	35	1.11	77.0	11.496	208-230/460V	
	1200	56	.7512ES3EB56	427	F1	43	1.60	75.2	12.677	208-230/460V	
1	3600	56	00136ES3EB56	338	F1	37	1.44	81.0	11.496	208-230/460V	
	1800	56	00118ES3ED56	321	F1	39	1.47	80.0	12.677	208-230/460V	
	1800	143T	00118EP3ERS143T	377	RS	39	1.45	80.0	14.095	208-230/460V	RS
	1800	143T	00118EP3E143T	411	W1	47	1.49	82.5	12.250	208-230/460V	
	1800	143T	00118EP3H143T	411	W1	47	1.49	82.5	12.250	575V	
	1200	56	00112ES3EF56	432	F1	45	1.92	76.7	12.677	208-230/460V	
	1200	145T	00112EP3ERS145T	463	RS	45	1.83	80.0	14.095	208-230/460V	RS
	1200	145T	00112EP3E145T	505	W1	47	1.70	80.0	13.234	208-230/460V	
	1200	145T	00112EP3H145T	505	W1	47	1.70	80.0	13.234	575V	
	900	182T	00109EP3E182T	799	W1	95	2.31	74.0	14.860	208-230/460V	
1.5	3600	56	00156ES3EB56	370	F1	40	1.97	82.5	11.496	208-230/460V	
	3600	143T	00156EP3ERS143T	395	RS	40	1.95	82.5	14.095	208-230/460V	RS
	3600	143T	00156EP3E143T	431	W1	45	1.99	82.5	12.250	208-230/460V	
	1800	56	00158ES3ED56	362	F1	43	2.11	81.0	12.677	208-230/460V	
	1800	145T	00158EP3ERS145T	382	RS	43	2.25	81.0	14.095	208-230/460V	RS
	1800	145T	00158EP3E145T	417	W1	54	2.05	84.0	13.234	208-230/460V	
	1800	145T	00158EP3H145T	417	W1	54	2.05	84.0	13.234	575V	
	1200	182T	00152EP3ERS182T	576	RS	74	2.37	85.5	16.404	208-230/460V	RS
	1200	182T	00152EP3E182T	628	W1	77	2.38	85.5	14.860	208-230/460V	
	1200	182T	00152EP3H182T	628	W1	77	2.38	85.5	14.860	575V	
2	900	184T	00159EP3E184T	983	W1	110	2.71	77.0	15.860	208-230/460V	
	3600	56	00236ES3ED56	414	F1	44	2.67	84.0	12.677	208-230/460V	
	3600	145T	00236EP3ERS145T	450	RS	44	2.60	84.0	14.095	208-230/460V	RS
	3600	145T	00236EP3E145T	491	W1	47	2.60	84.0	13.234	208-230/460V	
	3600	145T	00236EP3H145T	491	W1	47	2.60	84.0	13.234	575V	
	1800	56	00218ES3EF56	392	F1	50	2.84	82.0	13.858	208-230/460V	
	1800	145T	00218EP3ERS145T	426	RS	50	2.85	82.0	14.095	208-230/460V	RS
	1800	145T	00218EP3E145T	465	W1	56	2.70	84.0	13.234	208-230/460V	
	1800	145T	00218EP3H145T	465	W1	56	2.70	84.0	13.234	575V	
	1200	184T	00212EP3ERS184T	626	RS	91	3.20	86.5	16.404	208-230/460V	RS
3	1200	184T	00212EP3E184T	683	W1	88	3.20	86.5	15.860	208-230/460V	
	1200	184T	00212EP3H184T	683	W1	88	3.20	86.5	15.860	575V	
	900	213T	00209EP3E213T	1,480	W1	141	3.46	82.5	18.021	208-230/460V	
	3600	56	00336ES3EF56	484	F1	49	3.80	84.5	13.858	208-230/460V	
	3600	W182/4T	00336EP3ERS182T	540	RS	61	3.67	85.5	17.719	208-230/460V	RS
	3600	W182T	00336EP3E182T	589	W1	106	3.59	85.5	15.630	208-230/460V	
	3600	W182T	00336EP3H182T	589	W1	106	3.59	85.5	15.630	575V	
	1800	W182/4T	00318EP3ERS182T	483	RS	59	4.15	87.5	17.719	208-230/460V	RS
	1800	W182T	00318EP3E182T	527	W1	97	3.90	87.5	15.630	208-230/460V	
	1800	W182T	00318EP3H182T	527	W1	97	3.90	87.5	15.630	575V	
3	1200	213T	00312EP3ERS213T	817	RS	104	4.26	87.5	20.257	208-230/460V	RS
	1200	213T	00312EP3E213T	891	W1	123	4.15	87.5	18.021	208-230/460V	
	1200	213T	00312EP3H213T	891	W1	123	4.15	87.5	18.021	575V	
	900	215T	00309EP3E215T	1,609	W1	159	4.33	84.0	19.517	208-230/460V	

- ELECTRICAL FEATURES ON PAGE B-4, B-4.1 & B-5.
- MECHANICAL FEATURES ON PAGE B-51, B-52, B-52.1 & B-52.2

- 1.0 Service Factor
- RS** NEMA T Rolled Steel Frame Motors
- Roller Bearing
- Product might not be available from stock

W21 HIGH EFFICIENCY
GENERAL PURPOSE MOTORS
TEFC – HIGH EFFICIENCY – THREE-PHASE
EPACT CC# CC029A



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
5	3600	W182/4T	00536EP3ERS184T	660	RS	64	6.10	87.5	17.719	208-230/460V	RS
	3600	W184T	00536EP3H184T	720	W1	114	5.90	87.5	15.630	208-230/460V	
	3600	W184T	00536EP3H184T	720	W1	114	5.90	87.5	15.630	575V	
	1800	W182/4T	00518EP3ERS184T	572	RS	68	6.90	87.5	17.719	208-230/460V	RS
	1800	W184T	00518EP3E184T	624	W1	102	6.48	87.5	15.630	208-230/460V	
	1800	W184T	00518EP3H184T	624	W1	102	6.48	87.5	15.630	575V	
	1200	215T	00512EP3ERS215T	1,049	RS	145	7.08	87.5	20.257	208-230/460V	RS
	1200	215T	00512EP3E215T	1,144	W1	175	6.80	87.5	19.517	208-230/460V	
	1200	215T	00512EP3H215T	1,144	W1	175	6.80	87.5	19.517	575V	
7.5	900	254T	00509EP3E254T	2,703	W1	232	7.99	85.5	23.213	208-230/460V	
	3600	213T	00736EP3ERS213T	901	RS	112	9.00	88.5	20.257	208-230/460V	RS
	3600	213T	00736EP3E213T	983	W1	150	8.66	88.5	18.021	208-230/460V	
	3600	213T	00736EP3H213T	983	W1	150	8.66	88.5	18.021	575V	
	1800	213T	00718EP3ERS213T	757	RS	120	9.64	89.5	20.257	208-230/460V	RS
	1800	213T	00718EP3E213T	826	W1	150	9.53	89.5	18.021	208-230/460V	
	1800	213T	00718EP3H213T	826	W1	150	9.53	89.5	18.021	575V	
	1200	254T	00712EP3ERS254T	1,512	RS	190	9.52	89.5	22.956	208-230/460V	RS
	1200	254T	00712EP3E254T	1,649	W1	262	9.53	89.5	23.213	208-230/460V	
10	1200	254T	00712EP3H254T	1,649	W1	262	9.53	89.5	23.213	575V	
	900	256T	00709EP3E256T	2,856	W1	276	11.2	86.5	24.945	208-230/460V	
	3600	215T	01036EP3ERS215T	1,049	RS	136	11.8	89.5	20.257	208-230/460V	RS
	3600	215T	01036EP3E215T	1,144	W1	150	11.7	89.5	19.517	208-230/460V	
	3600	215T	01036EP3H215T	1,144	W1	150	11.7	89.5	19.517	575V	
	1800	215T	01018EP3ERS215T	901	RS	134	12.8	89.5	20.257	208-230/460V	RS
	1800	215T	01018EP3E215T	983	W1	165	12.8	90.2	19.517	208-230/460V	
	1800	215T	01018EP3H215T	983	W1	165	12.8	90.2	19.517	575V	
	1200	256T	01012EP3ERS256T	1,740	RS	206	13.3	89.5	22.956	208-230/460V	RS
15	1200	256T	01012EP3E256T	1,897	W1	304	13.4	89.5	24.945	208-230/460V	
	1200	256T	01012EP3H256T	1,897	W1	304	13.4	89.5	24.945	575V	
	900	284T	01009EP3E284T	3,786	W1	373	13.6	88.5	26.433	208-230/460V	
	3600	W254/6T	01536EP3ERS254T	1,503	RS	162	17.0	90.2	21.500	208-230/460V	RS
	3600	254T	01536EP3E254T	1,639	W1	280	17.0	90.2	23.213	208-230/460V	
	3600	254T	01536EP3H254T	1,639	W1	280	17.0	90.2	23.213	575V	
	1800	W254/6T	01518EP3ERS254T	1,371	RS	178	18.5	91.0	21.500	208-230/460V	RS
	1800	254T	01518EP3E254T	1,495	W1	266	17.9	91.0	21.500	208-230/460V	
	1800	254T	01518EP3H254T	1,495	W1	266	17.9	91.0	21.500	575V	
20	1200	284T	01512EP3E284T	2,626	W1	346	17.3	91.0	21.500	208-230/460V	
	1200	284T	01512EP3H284T	2,626	W1	346	17.3	91.0	21.500	575V	
	900	286T	01509EP3E286T	4,291	W1	423	19.0	88.5	21.500	208-230/460V	
	3600	254/6T	02036EP3ERS256T	1,821	RS	167	23.7	90.2	22.956	208-230/460V	RS
	3600	256T	02036EP3E256T	1,985	W1	313	23.3	90.2	21.500	208-230/460V	
	3600	256T	02036EP3H256T	1,985	W1	313	23.3	90.2	21.500	575V	
	1800	254/6T	02018EP3ERS256T	1,682	RS	182	24.4	91.0	24.925	208-230/460V	RS
	1800	256T	02018EP3E256T	1,834	W1	313	24.4	91.0	24.945	208-230/460V	
	1800	256T	02018EP3H256T	1,834	W1	313	24.4	91.0	24.945	575V	
25	1200	286T	02012EP3E286T	3,301	W1	470	23.5	91.0	27.929	208-230/460V	
	1200	286T	02012EP3H286T	3,301	W1	470	23.5	91.0	27.929	575V	
	900	324T	02009EP3E324T	5,277	W1	537	28.0	89.5	29.620	208-230/460V	◆
	3600	284TS	02536EP3E284TS	2,368	W1	353	29.0	91.0	25.061	208-230/460V	
	3600	284TS	02536EP3H284TS	2,368	W1	353	29.0	91.0	25.061	575V	
	1800	284TS	02518EP3E284TS	2,195	W1	437	29.6	92.4	25.061	208-230/460V	
	1800	284T	02518EP3E284T	2,195	W1	437	29.6	92.4	26.433	208-230/460V	
	1800	284T	02518EP3H284T	2,195	W1	437	29.6	92.4	26.433	575V	
	1200	324T	02512EP3E324T	3,989	W1	572	29.8	91.7	29.620	208-230/460V	
25	1200	324T	02512EP3H324T	3,989	W1	572	29.8	91.7	29.620	575V	
	900	326T	02509EP3E326T	5,924	W1	616	35.5	89.5	31.116	208-230/460V	◆

• **ELECTRICAL FEATURES ON PAGE B-4.1, B5.**

• **MECHANICAL FEATURES ON PAGE B-51, B-52, B-52.1 & B-52.2**

☞ 1.0 Service Factor

RS NEMA T Rolled Steel Frame Motors

● Roller Bearing

◆ Product might not be available from stock

FRACTIONAL HP

GENERAL PURPOSE

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30	3600	286TS	03036EP3E286TS	2,819	W1	404	33.8	91.0	26.557	208-230/460V	
	3600	286TS	03036EP3H286TS	2,819	W1	404	33.8	91.0	26.557	575V	
	1800	286TS	03018EP3E286TS	2,686	W1	481	34.4	92.4	26.557	208-230/460V	
	1800	286T	03018EP3E286T	2,686	W1	481	34.4	92.4	27.929	208-230/460V	
	1800	286T	03018EP3H286T	2,686	W1	481	34.4	92.4	27.929	575V	
	1200	326T	03012EP3E326T	4,394	W1	625	35.4	91.7	31.116	208-230/460V	
	1200	326T	03012EP3H326T	4,394	W1	625	35.4	91.7	31.116	575V	
40	900	364T	03009EP3E364T	8,446	W1	926	38.4	91.0	33.709	208-230/460V	◆
	3600	324TS	04036EP3E324TS	3,937	W1	561	46.1	91.7	28.120	208-230/460V	
	3600	324TS	04036EP3H324TS	3,937	W1	561	46.1	91.7	28.120	575V	
	1800	324TS	04018EP3E324TS	3,665	W1	587	47.6	93.0	28.120	208-230/460V	
	1800	324T	04018EP3E324T	3,665	W1	587	47.6	93.0	29.620	208-230/460V	
	1800	324T	04018EP3H324T	3,665	W1	587	47.6	93.0	29.620	575V	
	1200	364T	04012EP3E364T	5,935	W1	992	47.1	93.0	33.709	208-230/460V	
50	1200	364T	04012EP3H364T	5,935	W1	992	47.1	93.0	33.709	575V	
	900	365T	04009EP3E365T	9,973	W1	998	52.4	91.0	33.709	208-230/460V	◆
	3600	326TS	05036EP3E326TS	4,196	W1	594	56.5	92.4	29.616	208-230/460V	
	1800	326TS	05018EP3E326TS	4,087	W1	640	57.8	93.6	29.616	208-230/460V	
	1800	326T	05018EP3E326T	4,087	W1	640	57.8	93.6	31.116	208-230/460V	
	1800	326T	05018EP3H326T	4,087	W1	640	57.8	93.6	31.116	575V	
	1200	365T	05012EP3E365T	7,171	W1	992	58.1	93.0	33.709	208-230/460V	
60	900	404T	05009EP3E404T	11,339	W1	1,227	64.9	91.7	38.077	208-230/460V	◆
	3600	364TS	06036EP3E364TS	6,428	W1	917	69.0	93.0	31.583	208-230/460V	
	1800	364TS	06018EP3E364TS	6,282	W1	963	67.0	93.6	31.583	208-230/460V	
	1800	364T	06018EP3E364T	6,282	W1	963	67.0	93.6	33.709	208-230/460V	
	1800	364T	06018EP3H364T	6,282	W1	963	67.0	93.6	33.709	575V	
	1200	404T	06012EP3E404T	9,024	W1	1,222	70.1	93.6	38.077	208-230/460V	
	900	405T	06009EP3E405T	12,908	W1	1,373	77.0	91.7	38.077	208-230/460V	◆
75	3600	365TS	07536EP3E365TS	7,815	W1	1,025	82.5	93.0	31.583	208-230/460V	
	1800	365TS	07518EP3E365TS	7,508	W1	1,010	82.4	94.1	31.583	208-230/460V	
	1800	365T	07518EP3E365T	7,508	W1	1,010	82.4	94.1	33.709	208-230/460V	
	1800	365T	07518EP3G365T	7,508	W1	1,010	82.4	94.1	33.709	460V	
	1800	365T	07518EP3H365T	7,508	W1	1,010	82.4	94.1	33.709	575V	
	1200	405T	07512EP3E405T	10,048	W1	1,291	86.8	93.6	38.077	208-230/460V	
	900	444T	07509EP3E444T	16,918	W1	1,558	90.5	93.0	43.773	208-230/460V	◆

• ELECTRICAL FEATURES ON PAGE B-5, B-6.

• MECHANICAL FEATURES ON PAGE B-52.



1.0 Service Factor



NEMA T Rolled Steel Frame Motors



Roller Bearing



Product might not be available from stock

W21 HIGH EFFICIENCY – GENERAL PURPOSE MOTORS

TEFC – HIGH EFFICIENCY – THREEPHASE



EPACT CC# CC029A



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
100	3600	405TS	10036EP3E405TS	9,502	W1	1,361	113	93.6	35.077	208-230/460V	
	3600	405TS	10036EP3G405TS	9,502	W1	1,361	113	93.6	35.077	460V	
	1800	405TS	10018EP3E405TS	9,547	W1	1,273	115	94.5	35.077	208-230/460V	
	1800	405TS	10018EP3G405TS	9,547	W1	1,273	115	94.5	35.077	460V	
	1800	405T	10018EP3E405T	9,547	W1	1,273	115	94.5	38.077	208-230/460V	
	1800	405T	10018EP3ERB405T	9,547	W1	1,273	115	94.5	38.077	208-230/460V	○
	1800	405T	10018EP3G405T	9,547	W1	1,273	115	94.5	38.077	460V	○
	1800	405T	10018EP3GRB405T	9,547	W1	1,273	115	94.5	38.077	460V	○
	1800	405T	10018EP3H405T	9,547	W1	1,273	115	94.5	38.077	575V	
	1200	444T	10012EP3E444T	13,027	W1	1,720	121	94.1	43.776	208-230/460V	
	1200	444T	10012EP3G444T	13,027	W1	1,720	121	94.1	43.776	460V	
	1200	444T	10012EP3GRB444T	13,027	W1	1,720	121	94.1	43.776	460V	○
125	900	445T	10009EP3G445T	21,909	W1	1,811	123	93.0	43.776	460V	◆
	3600	444TS	12536EP3G444TS	12,791	W1	1,801	131	94.5	40.026	460V	
	1800	444TS	12518EP3G444TS	12,678	W1	1,647	138	94.5	40.026	460V	
	1800	444T	12518EP3G444T	12,678	W1	1,647	138	94.5	43.776	460V	
	1800	444T	12518EP3GRB444T	12,678	W1	1,647	138	94.5	43.776	460V	○
	1200	445T	12512EP3G445T	15,429	W1	2,050	141	94.1	43.776	460V	
	1200	445T	12512EP3GRB445T	15,429	W1	2,050	141	94.1	43.776	460V	○
150	900	504	12509EP3G504	25,246	W1	2,146	148	93.6	43.776	460V	◆
	3600	445TS	15036EP3G445TS	15,903	W1	1,865	160	94.5	40.026	460V	
	1800	445TS	15018EP3G445TS	14,952	W1	1,841	168	95.0	40.026	460V	
	1800	445T	15018EP3G445T	14,952	W1	1,841	168	95.0	43.776	460V	
	1800	445T	15018EP3GRB445T	14,952	W1	1,841	168	95.0	43.776	460V	○
	1200	447T	15012EP3G447T	18,105	W1	2,167	171	95.0	47.299	460V	
	1200	447T	15012EP3GRB447T	18,105	W1	2,167	171	95.0	47.299	460V	○
200	1200	504	15012EP3G504	16,458	W1	2,167	171	95.0	49.449	460V	
	900	505	15009EP3G505	28,688	W1	2,387	178	93.6	49.449	460V	◆
	3600	447TS	20036EP3G447TS	19,635	W1	2,072	223	95.0	43.549	460V	
	1800	445T	20018EP3G445T	18,506	W1	2,117	230	95.0	43.776	460V	
	1800	445T	20018EP3GRB445T	18,506	W1	2,117	230	95.0	43.776	460V	○
	1800	447T	20018EP3G447T	18,506	W1	2,194	230	95.0	47.299	460V	
	1800	447T	20018EP3GRB447T	18,506	W1	2,194	230	95.0	47.299	460V	○
	1800	504	20018EP3G504	18,506	W1	2,194	230	95.0	49.449	460V	
	1800	504	20018EP3GRB504	18,506	W1	2,194	230	95.0	49.449	460V	○
	1200	447T	20012EP3G447T	22,410	W1	2,467	236	95.0	47.299	460V	
200	1200	447T	20012EP3GRB447T	22,410	W1	2,467	236	95.0	47.299	460V	○
	1200	505	20012EP3G505	22,410	W1	2,467	236	95.0	49.449	460V	
	900	449T	20009EP3G449T	43,236	W1	4,005	263	94.5	49.449	460V	◆

- ELECTRICAL FEATURES ON PAGE B-5, B-6.
- MECHANICAL FEATURES ON PAGE B-52.

- 1.0 Service Factor
- RS** NEMA T Rolled Steel Frame Motors
- Roller Bearing
- ◆ Product might not be available from stock

FRACTIONAL HP

GENERAL PURPOSE

NEMA PREMIUM EFFICIENCY

CRUSHER® DUTY

IEC TRU-METRIC™

PUMP MOTORS

DEFINITE PURPOSE

ADD-ON™ MODIFICATIONS

MOTOR TECHNICAL DATA

DRIVES & SOFT STARTERS

CONTROLS



W21 HIGH EFFICIENCY – GENERAL PURPOSE MOTORS

TEFC – HIGH EFFICIENCY – THREE-PHASE

EPACT CC# CC029A



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
250	3600	447TS	25036EP3G447TS	21,318	W1	2,266	268	95.4	43.549	460V	
	1800	447T	25018EP3G447T	23,435	W1	2,513	283	95.4	47.299	460V	
	1800	447T	25018EP3GRB447T	23,435	W1	2,513	283	95.4	47.299	460V	o
	1800	505	25018EP3G505	23,435	W1	2,513	283	95.4	49.449	460V	
	1800	505	25018EP3GRB505	23,435	W1	2,513	283	95.4	49.449	460V	o
	1200	449T	25012EP3G449T	35,744	W1	3,126	298	95.0	54.976	460V	
	1200	586/7	25012EP3G586/7	38,854	W1	4,002	305	95.0	59.421	460V	
	900	586/7	25009EP3G586/7	49,462	W1	4,457	318	95.0	59.421	460V	◆ o
300	3600	449TS	30036EP3G449TS	33,348	W1	2,778	320	95.8	51.226	460V	
	3600	586/7S	30036EP3G586/7S	37,896	W1	3,374	325	95.4	48.845	460V	
	1800	449T	30018EP3G449T	29,765	W1	2,816	333	95.4	54.976	460V	
	1800	586/7	30018EP3G586/7	32,352	W1	3,837	329	95.4	59.421	460V	
	1800	586/7	30018EP3GRB586/7	32,352	W1	3,837	329	95.4	59.421	460v	o
	1200	449	30012EP3G449T	36,229	W1	3,358	364	95.0	54.976	460V	
	1200	586/7	30012EP3G586/7	39,379	W1	4,487	355	95.0	59.421	460V	
	3600	449TS	35036EP3G449TS	36,622	W1	3,328	379	95.8	54.976	460V	o
350	3600	586/7S	35036EP3G586/7S	40,692	W1	3,605	384	95.4	48.845	460V	
	1800	449T	35018EP3G449T	36,337	W1	3,333	394	95.4	54.976	460V	o
	1800	586/7	35018EP3G586/7	39,072	W1	4,300	398	95.4	59.421	460V	
	1800	586/7	35018EP3GRB586/7	39,072	W1	4,300	398	95.4	59.421	460V	o
	1200	586/7	35012EP3G586/7	45,881	W1	4,719	428	95.4	59.421	460V	
	1800	586/7	40018EP3G586/7	42,828	W1	4,686	459	95.4	59.421	460V	
400	1800	586/7	40018EP3GRB586/7	42,828	W1	4,686	459	95.4	59.421	460V	o
	1200	586/7	40012EP3G586/7	46,828	W1	4,961	481	95.4	59.421	460V	
	1800	586/7	45018EP3G586/7	44,663	W1	5,204	505	95.4	59.421	460V	◆
450	1800	586/7	45018EP3GRB586/7	44,663	W1	5,204	505	95.4	59.421	460V	◆ o
	1200	586/7	45012EP3G586/7	48,977	W1	5,248	543	95.4	59.421	460V	◆ o
500	1800	586/7	50018EP3G586/7	47,129	W1	5,424	564	95.8	59.421	460V	o
	1800	586/7	50018EP3GRB586/7	47,129	W1	5,424	564	95.8	59.421	460V	o o

• ELECTRICAL FEATURES ON PAGE B-6.

• MECHANICAL FEATURES ON PAGE B-52.



1.0 Service Factor



NEMA T Rolled Steel



Roller Bearing



Product might not be available from stock