

IEC Tru-Metric™ Motors

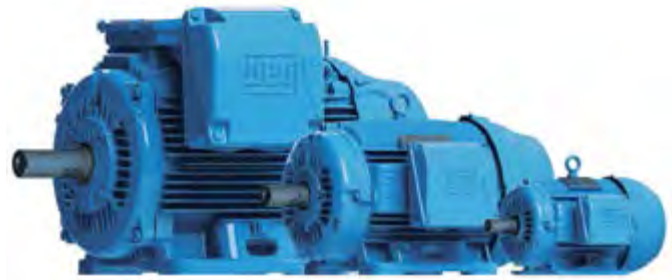
GENERAL PURPOSE MOTORS

TEFC - Three-Phase

This line is designed and built according to European IEC34 and IEC79 standards.

Standard Features:

- 60 Hz (1.15 service factor) and 50 Hz (1.0 service factor)
- Class F insulation (Impregnation Resin and Magnet wire are class H)
- F2 mounted as standard (F1 convertible)
- Stainless Steel Nameplate - Laser etched with high contrast background
- Regreasable ball bearings (Frames 160 and up)
- Gasketed conduit box
- Class I, Div. 2, Groups A, B, C & D – T3, Class II, Div 2, Groups F & G – T3C (Cast Iron Frames only)
- Suitable for WYE/Delta Start (W and Y voltage code motors)



W22 Cast Iron



Aluminum

Features that make a difference:

- 1.25 service factor for 60 Hz operation (IE3)
- 1.15 service factor for 60 Hz operation (IE2)
- Optimized ventilation system for cooler operation and reduced noise levels
- Solid base for reduced vibration levels (Cast Iron Frames)
- Frames 225 and up can easily be F1 (B3L) converted by simply rotating the terminal box adapter or F3 by removing it
- Aluminum frames have removable feet for easy F1, F2 and F3 (B3L, B3R, B3T) conversion
- Terminal blocks

ADDITIONAL TECHNICAL DATA

ELECTRICAL DATA: B-34 to B-48

MECHANICAL DATA: C-20 to C-26

Inverter Rated (IE3):
1000:1 for variable torque
12:1 for constant torque

** IE2 is 10:1 VT and 4:1 CT*





SAFE AREA

TEFC – Foot Mount *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	3600/3000	225S/M	04536ET3Y225S/M-W22	7,961	T1	1038	1.25	66.7	94.1	33.701	460/380-415/660-690	7
		3000	225S/M	E04536EP3Y225SMF3-W2	6,767	T1	785	1.00	75.8	93.8	33.701	380-415/660-690/440-460	8;11;27
		1800/1500	225S/M	04518ET3Y225S/M-W22	7,391	T1	1058	1.25	69.9	95.0	34.882	460/380-415/660-690	7
		1500/1800	225S/M	E04518EP3Y225SMF3-W2	6,282	T1	800	1.00	79.5	93.7	34.882	380-415/660-690/440-460	8;11;27
		1000/1200	280S/M	04512ET3Y280S/M-W22	11,023	T1	1653	1.25	74.7	94.5	42.165	460/380-415/660-690	7
		1000/1200	280S/M	E04512EP3Y280SMF3-W2	9,669	T1	1314	1.00	83.7	93.5	42.165	380-415/660-690/440-460	8;11;27
		900	280S/M	04509EP3Y280S/M-W22	11,442	T1	1619	1.15	77.0	94.1	42.165	460/380-415/660-690	7;11
75	55	3600/3000	250S/M	05536ET3Y250S/M-W22	9,847	T1	1246	1.25	80.3	94.5	37.992	460/380-415/660-690	7
		3000	250S/M	E05536EP3Y250SMF3-W2	8,373	T1	911	1.00	92.5	94.0	37.992	380-415/660-690/440-460	8;11;27
		1800/1500	250S/M	05518ET3Y250S/M-W22	8,961	T1	1241	1.25	85.1	95.4	37.992	460/380-415/660-690	7
		1500/1800	250S/M	E05518EP3Y250SMF3-W2	7,617	T1	979	1.00	94.6	94.1	37.992	380-415/660-690/440-460	8;11;27
		1000/1200	280S/M	05512ET3Y280S/M-W22	13,622	T1	1752	1.25	90.2	94.5	42.165	460/380-415/660-690	7
		1000/1200	280S/M	E05512EP3Y280SMF3-W2	11,053	T1	1387	1.00	99.4	93.9	42.165	380-415/660-690/440-460	8;11;27
		900/750	315S/M	05509EP3Y315S/M-W22	13,731	T1	2030	1.15	91.7	94.1	50.157	460/380-415/660-690	7;11
100	75	3600/3000	280S/M	07536ET3Y280S/M-W22	12,472	T1	1902	1.25	111	94.5	42.165	460/380-415/660-690	7
		3000	280S/M	E07536EP3Y280SMF3-W2	10,601	T1	1389	1.00	126	94.3	42.165	380-415/660-690/440-460	8;11;27
		1800/1500	280S/M	07518ET3Y280S/M-W22	12,353	T1	1896	1.25	116	95.4	42.165	460/380-415/660-690	7
		1500/1800	280S/M	E07518EP3Y280SMF3-W2	10,500	T1	1409	1.00	130	94.4	42.165	380-415/660-690/440-460	8;11;27
		1000/1200	315S/M	07512ET3Y315S/M-W22	16,479	T1	2489	1.25	122	95.0	50.157	460/380-415/660-690	7
		1000/1200	315S/M	E07512EP3Y315SMF3-W2	14,007	T1	1846	1.00	137	94.2	50.157	380-415/660-690/440-460	8;11;27
		900/750	315S/M	07509EP3Y315S/M-W22	16,649	T1	2251	1.15	123	94.5	50.157	460/380-415/660-690	7;11
125	90	3600/3000	280S/M	09036ET3Y280S/M-W22	16,720	T1	1989	1.25	132	95.0	42.165	460/380-415/660-690	7
		3000	280S/M	E09036EP3Y280SMF3-W2	14,212	T1	1440	1.00	151	94.5	42.165	380-415/660-690/440-460	8;11;27
		1800/1500	280S/M	09018ET3Y280S/M-W22	15,220	T1	2008	1.25	139	95.4	42.165	460/380-415/660-690	7
		1500/1800	280S/M	E09018EP3Y280SMF3-W2	12,937	T1	1484	1.00	154	94.7	42.165	380-415/660-690/440-460	8;11;27
		1000/1200	315S/M	09012ET3Y315S/M-W22	19,448	T1	2689	1.25	146	95.4	50.157	460/380-415/660-690	7
		1000/1200	315S/M	E09012EP3Y315SMF3-W2	16,531	T1	1969	1.00	159	94.6	50.157	380-415/660-690/440-460	8;11;27
		900/750	315S/M	09009EP3Y315S/M-W22	19,007	T1	2403	1.15	148	94.5	50.157	460/380-415/660-690	7;11
150	110	3600/3000	315S/M	11036ET3Y315S/M-W22	21,018	T1	2463	1.25	163	95.0	48.976	460/380-415/660-690	7
		3000	315S/M	E11036EP3Y315SMF3-W2	17,865	T1	1927	1.00	183	94.9	48.976	380-415/660-690/440-460	8;11;27
		1800/1500	280S/M	11018ET3Y280S/M-W22	17,078	T1	2260	1.25	170	95.8	42.165	460/380-415/660-690	7
		1500/1800	315S/M	E11018EP3Y315SMF3-W2	15,990	T1	1956	1.00	192	95.0	50.157	380-415/660-690/440-460	8;11;27
		1000/1200	315S/M	11012ET3Y315S/M-W22	21,300	T1	2818	1.25	178	95.8	50.157	460/380-415/660-690	7
		1000/1200	315S/M	E11012EP3Y315SMF3-W2	18,105	T1	2130	1.00	194	94.9	50.157	380-415/660-690/440-460	8;11;27
		900/750	315L	11009EP3Y315L-W22	24,920	T1	2925	1.15	182	95.0	54.449	460/380-415/660-690	7;11

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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>

Data subject to change without notice.



SAFE AREA

TEFC – Foot Mount *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
175	132	3600/3000	315S/M	13236ET3Y315S/M-W22	23,180	T1	2667	1.25	193	95.4	48.976	460/380-415/660-690	7
		3000	315S/M	E13236EP3Y315SMF3-W2	19,703	T1	2053	1.00	217	95.2	48.976	380-415/660-690/440-460	8;11;27
		1800/1500	315S/M	13218ET3Y315S/M-W22	19,732	T1	2803	1.25	203	96.2	50.157	460/380-415/660-690	7
		1500/1800	315S/M	E13218EP3Y315SMF3-W2	16,772	T1	2101	1.00	224	95.2	50.157	380-415/660-690/440-460	8;11;27
		1000/1200	315S/M	13212ET3Y315S/M-W22	19,079	T1	3019	1.25	214	95.8	50.157	460/380-415/660-690	7
		1000/1200	315S/M	E13212EP3Y315SMF3-W2	24,315	T1	2284	1.00	233	95.0	50.157	380-415/660-690/440-460	8;11;27
		900/750	315L	13209EP3Y315L-W22	30,078	T1	3163	1.15	217	95.4	54.449	460/380-415/660-690	7;11
200	150	3600/3000	315S/M	15036ET3Y315S/M-W22	26,249	T1	2758	1.25	219	95.4	48.976	460/380-415/660-690	7
		3000	315S/M	E15036EP3Y315SMF3-W2	22,312	T1	2073	1.00	253	94.8	48.976	380-415/660-690/440-460	8;11;27
		1800/1500	315S/M	15018ET3Y315S/M-W22	21,772	T1	2864	1.25	228	96.2	50.157	460/380-415/660-690	7
		1500/1800	315S/M	E15018EP3Y315SMF3-W2	18,506	T1	2168	1.00	254	95.4	50.157	380-415/660-690/440-460	8;11;27
		1000/1200	315L	15012ET3Y315L-W22	22,444	T1	3315	1.25	240	95.8	54.449	460/380-415/660-690	7
		1000/1200	355M/L	E15012EP3Y355MLF3-W2	28,480	T1	2955	1.00	291	95.0	50.157	380-415/660-690/440-460	8;11;27
		900/750	315L	15009EP3Y315L-W22	34,257	T1	4148	1.15	270	95.4	58.346	460/380-415/660-690	7;11
250	185	3600/3000	315S/M	18536EP3Y315S/M-W22	23,687	T1	2624	1.15	270	95.4	53.268	460/380-415/660-690	7;11
		1800/1500	315S/M	18518EP3Y315S/M-W22	23,435	T1	2738	1.15	283	95.4	54.449	460/380-415/660-690	7;11
		1000/1200	315L	18512EP3Y315L-W22	38,854	T1	3176	1.15	293	95.4	54.449	460/380-415/660-690	7;11
300	220	3600/3000	315L	22036EP3Y315L-W22	39,475	T1	2890	1.15	322	95.4	53.268	460/380-415/660-690	7;11
		1800/1500	315L	22018EP3Y315L-W22	32,352	T1	3121	1.15	333	95.4	54.449	460/380-415/660-690	7;11
		1000/1200	315L	22012EP3Y315L-W22	41,020	T1	3756	1.15	349	95.4	54.449	460/380-415/660-690	7;11
350	260	1800/1500	355M/L	26018EP3Y355M/L-W22	39,072	T1	3525	1.15	401	95.8	58.346	460/380-415/660-690	7;11
		1000/1200	355M/L	26012EP3Y355M/L-W22	47,322	T1	4229	1.15	422	95.4	58.346	460/380-415/660-690	7;11
400	300	3600/3000	315L	30036EP3Y315L-W22	42,828	T1	3362	1.15	434	95.4	54.449	460/380-415/660-690	7;11
		1800/1500	355M/L	30018EP3Y355M/L-W22	53,832	T1	3614	1.15	462	95.8	58.346	460/380-415/660-690	7;11
450	330	1800/1500	355M/L	33018EP3Y355M/L-W22	57,640	T1	4185	1.15	503	95.8	58.46	460/380-415/660-690	7;11

Refer to electrical and mechanical data sections for additional technical information. Please refer to back cover for description of "NOTES"

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IEC Tru-Metric™ Motors

ATEX MOTORS – Non-Sparking

TEFC - Ex nA

Ex nA motors do not require certification by a third party entity (a manufacturer's compliance declaration is sufficient). Nevertheless the Ex nA motors manufactured by WEG are certificated by Ex NB BASEEFA.



Standard Features:

- 50 Hz and 60 Hz rated (1.00 service factor)
- Class F insulation (Impregnation Resin and magnet Wire are class H)
- F3 mounted as standard
- Stainless Steel Nameplate - Laser etched with high contrast background
- Regreasable ball bearings (Frames 160 and up)
- Gasketed conduit box
- Zone 2, Groups IIA, IIB and IIC
- Suitable for WYE/Delta Start
- Design N
- Conductive plastic fan (frames 63 up to 315)
- Aluminum fan (frame 355)



IEC Tru-Metric™ Motors

ATEX MOTORS

TEFC – Ex nA

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
0.25	0.18	3000	63	E0.1836EP3WAX63F3-W2	364	XN	2073	1.00	0.51	63.6	8.504	220-240/380-415//440-460	8;11;27
		1500	63	E0.1818EP3WAX63F3-W2	365	XN	2073	1.00	0.55	61.2	8.504	220-240/380-415//440-460	8;11;27
		1000	71	E0.1812EP3WAX71F3-W2	476	XN	2073	1.00	0.74	58.6	9.764	220-240/380-415//440-460	8;11;27
0.33	0.25	3000	63	E0.2536EP3WAX63F3-W2	373	XN	2073	1.00	0.75	64.5	8.504	220-240/380-415//440-460	8;11;27
		1500	71	E0.2518EP3WAX71F3-W2	415	XN	2073	1.00	0.76	66.5	9.764	220-240/380-415//440-460	8;11;27
		1000	71	E0.2512EP3WAX71F3-W2	483	XN	2073	1.00	1.08	59.7	9.764	220-240/380-415//440-460	8;11;27
0.5	0.37	3000	71	E0.3736EP3WAX71F3-W2	408	XN	2073	1.00	0.88	71.2	9.764	220-240/380-415//440-460	8;11;27
		1500	71	E0.3718EP3WAX71F3-W2	427	XN	2073	1.00	1.06	67.9	9.764	220-240/380-415//440-460	8;11;27
		1000	80	E0.3712EP3WAX80F3-W2	507	XN	2073	1.00	1.05	67.1	10.866	220-240/380-415//440-460	8;11;27
0.75	0.55	3000	71	E0.5536EP3WAX71F3-W2	415	XN	2073	1.00	1.23	72.5	9.764	220-240/380-415//440-460	8;11;27
		1500	80	E0.5518EP3WAX80F3-W2	488	XN	2073	1.00	1.29	74.1	10.866	220-240/380-415//440-460	8;11;27
		1000	80	E0.5512EP3WAX80F3-W2	523	XN	2073	1.00	1.50	70.9	10.866	220-240/380-415//440-460	8;11;27
		1	0.75	3000	80	.7536ET3WAX80F3-W22	659	XN	2073	1.00	1.61	82.1	10.866
3000	80			E0.7536EP3WAX80F3-W2	499	XN	2073	1.00	1.56	79.5	10.866	220-240/380-415//440-460	8;11;27
1500	80			.7518ET3WAX80F3-W22	670	XN	2073	1.00	1.60	82.8	10.866	220-240/380-415//440-460	8;11
1500	80			E0.7518EP3WAX80F3-W2	507	XN	2073	1.00	1.61	80.1	10.866	220-240/380-415//440-460	8;11;27
1000	L90S			.7512ET3WAXL90SF3-W2	872	XN	2073	1.00	1.91	79.1	13.189	220-240/380-415//440-460	8;11
1000	90S			E0.7512EP3WAX90SF3-W	660	XN	2073	1.00	1.92	76.4	11.969	220-240/380-415//440-460	8;11;27
1.5	1.1	3000	80	00136ET3WAX80F3-W22	711	XN	2073	1.00	2.32	83.4	10.866	220-240/380-415//440-460	8;11
		3000	80	E00136EP3WAX80F3-W22	538	XN	2073	1.00	2.33	80.2	10.866	220-240/380-415//440-460	8;11;27
		1500	90S	00118ET3WAX90SF3-W22	763	XN	2073	1.00	2.34	84.8	11.969	220-240/380-415//440-460	8;11
		1500	90S	E00118EP3WAX90SF3-W2	578	XN	2073	1.00	2.36	82.1	11.969	220-240/380-415//440-460	8;11;27
		1000	100L	00112ET3WAX100LF3-W2	924	XN	2073	1.00	2.68	81.5	14.803	220-240/380-415//440-460	8;11
		1000	90L	E00112EP3WAX90LF3-W2	700	XN	2073	1.00	2.80	78.1	12.953	220-240/380-415//440-460	8;11;27
2	1.5	3000	90S	00156ET3WAX90SF3-W22	811	XN	2073	1.00	3.06	85.2	11.969	220-240/380-415//440-460	8;11
		3000	90S	E00156EP3WAX90SF3-W2	614	XN	2073	1.00	3.08	82.5	11.969	220-240/380-415//440-460	8;11;27
		1500	90L	00158ET3WAX90LF3-W22	889	XN	2073	1.00	3.15	86.1	12.953	220-240/380-415//440-460	8;11
		1500	90L	E00158EP3WAX90LF3-W2	673	XN	2073	1.00	3.22	83.1	12.953	220-240/380-415//440-460	8;11;27
		1000	100L	00152ET3WAX100LF3-W2	1,152	XN	2073	1.00	3.71	82.8	14.803	220-240/380-415//440-460	8;11
		1000	100L	E00152EP3WAX100LF3-W	872	XN	2073	1.00	3.71	80.3	14.803	220-240/380-415//440-460	8;11;27
3	2.2	3000	90L	00236ET3WAX90LF3-W2	924	XN	2073	1.00	4.37	86.5	12.953	220-240/380-415//440-460	8;11
		3000	90L	E00236EP3WAX90LF3-W2	700	XN	2073	1.00	4.56	83.9	12.953	220-240/380-415//440-460	8;11;27
		1500	100L	00218ET3WAX100LF3-W2	1,116	XN	2073	1.00	4.50	87.2	14.803	220-240/380-415//440-460	8;11
		1500	100L	E00218EP3WAX100LF3-W	845	XN	2073	1.00	4.56	84.9	14.803	220-240/380-415//440-460	8;11;27
		1000//1200	112M	00212ET3YAX112MF3-W2	1,561	XN	96	1.00	5.16	84.7	15.472	380-415/660-690//440-460	8;11
		1000//1200	112M	E00212EP3YAX112MF3-W	1,181	XN	87	1.00	5.23	82.4	15.472	380-415/660-690//440-460	8;11;27

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ADDITIONAL TECHNICAL DATA
 ELECTRICAL DATA: B-82
 MECHANICAL DATA: Contact WEG





TEFC – Ex nA *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
100	75	3000	280S/M	07536ET3YAX280SMF3-W	26,996	XN	1767	1.00	121	95.7	42.165	380-415/660-690//440-460	8;11
		3000	280S/M	E07536EP3YAX280SMF3W	20,430	XN	1553	1.00	126	94.3	42.165	380-415/660-690//440-460	8;11;27
		1500//1800	280S/M	07518ET3YAX280SMF3-W	27,072	XN	1771	1.00	127	95.7	42.165	380-415/660-690//440-460	8;11
		1500//1800	280S/M	E07518EP3YAX280SMF3W	20,544	XN	1573	1.00	130	94.4	42.165	380-415/660-690//440-460	8;11;27
		1000//1200	315S/M	07512ET3YAX315SMF3-W	30,515	XN	2285	1.00	133	95.9	50.157	380-415/660-690//440-460	8;11
		1000//1200	315S/M	E07512EP3YAX315SMF3W	23,092	XN	2010	1.00	137	94.2	50.157	380-415/660-690//440-460	8;11;27
125	90	3000	280S/M	09036ET3YAX280SMF3-W	28,691	XN	1844	1.00	145	95.9	42.165	380-415/660-690//440-460	8;11
		3000	280S/M	E09036EP3YAX280SMF3W	21,712	XN	1604	1.00	151	94.5	42.165	380-415/660-690//440-460	8;11;27
		1500//1800	280S/M	09018ET3YAX280SMF3-W	28,077	XN	1877	1.00	154	95.9	42.165	380-415/660-690//440-460	8;11
		1500//1800	280S/M	E09018EP3YAX280SMF3W	21,307	XN	1648	1.00	154	94.7	42.165	380-415/660-690//440-460	8;11;27
		1000//1200	315S/M	09012ET3YAX315SMF3-W	35,779	XN	2475	1.00	159	96.2	50.157	380-415/660-690//440-460	8;11
		1000//1200	315S/M	E09012EP3YAX315SMF3W	27,076	XN	2133	1.00	159	94.6	50.157	380-415/660-690//440-460	8;11;27
150	110	3000	315S/M	11036ET3YAX315SMF3-W	34,547	XN	2285	1.00	181	96.1	48.976	380-415/660-690//440-460	8;11
		3000	315S/M	E11036EP3YAX315SMF3W	26,144	XN	2091	1.00	183	94.9	48.976	380-415/660-690//440-460	8;11;27
		1500//1800	315S/M	11018ET3YAX315SMF3-W	35,670	XN	2391	1.00	187	96.3	50.157	380-415/660-690//440-460	8;11
		1500//1800	315S/M	E11018EP3YAX315SMF3W	27,068	XN	2120	1.00	192	95.0	50.157	380-415/660-690//440-460	8;11;27
		1000//1200	315S/M	11012ET3YAX315SMF3-W	45,413	XN	2603	1.00	194	96.3	50.157	380-415/660-690//440-460	8;11
		1000//1200	315S/M	E11012EP3YAX315SMF3W	34,367	XN	2294	1.00	194	94.9	50.157	380-415/660-690//440-460	8;11;27
175	132	3000	315S/M	13236ET3YAX315SMF3-W	39,500	XN	2475	1.00	212	96.4	48.976	380-415/660-690//440-460	8;11
		3000	315S/M	E13236EP3YAX315SMF3W	29,862	XN	2217	1.00	217	95.2	48.976	380-415/660-690//440-460	8;11
		1500//1800	315S/M	13218ET3YAX315SMF3-W	42,877	XN	2578	1.00	224	96.4	50.157	380-415/660-690//440-460	8;11
		1500//1800	315S/M	E13218EP3YAX315SMF3W	31,689	XN	2265	1.00	224	95.2	50.157	380-415/660-690//440-460	8;11
		1000//1200	315S/M	13212ET3YAX315SMF3-W	76,749	XN	2788	1.00	235	96.3	50.157	380-415/660-690//440-460	8;11
		1000//1200	315S/M	E13212EP3YAX315SMF3W	52,853	XN	2448	1.00	233	95.0	50.157	380-415/660-690//440-460	8;11
200	150	3000	315S/M	15036ET3YAX315S/MF3W	41,396	XN	2073	1.00	245	95.6	48.976	380-415/660-690//440-460	8;11
		3000	315S/M	E15036EP3YAX315SMF3W	31,360	XN	2073	1.00	253	94.8	48.976	220-240/380-415//440-460	8;11;27
		1500	315S/M	15018ET3YAX315S/MF3W	43,938	XN	2073	1.00	259	96.00	50.157	380-415/660-690//440-460	8;11
		1500	315S/M	E15018EP3YAX315SMF3W	33,286	XN	2073	1.00	254	95.4	50.157	220-240/380-415//440-460	8;11;27
		1000	315L	15012ET3YAX315LF3-W2	82,712	XN	2073	1.00	264	96.4	54.449	380-415/660-690//440-460	8;11
		1000	355M/L	E15012EP3YAX355MLF3W	62,660	XN	2073	1.00	291	95.0	58.346	220-240/380-415//440-460	8;11;27

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TEFC – Ex nA *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		
220	160	3000	315S/M	16036EP3YAX315SMF3-W	38,870	XN	2358	1.00	262	95.3	48.976	380-415/660-690//440-460	8;11		
		3000	315S/M	16036ET3YAX315SMF3-W	51,363	XN	2653	1.00	253	96.7	48.976	380-415/660-690//440-460	8;11		
		1500//1800	315S/M	16018EP3YAX315SMF3-W	36,046	XN	2395	1.00	271	95.4	50.157	380-415/660-690//440-460	8;11		
		1500//1800	315S/M	16018ET3YAX315SMF3-W	47,534	XN	2704	1.00	268	96.6	50.157	380-415/660-690//440-460	8;11		
		1000//1200	315L	16012EP3YAX315LF3-W2	60,176	XN	2890	1.00	282	95.2	54.449	380-415/660-690//440-460	8;11		
		1000//1200	355M/L	16012EP3YAX355MLF3-W	65,792	XN	3488	1.00	290	96.0	58.346	380-415/660-690//440-460	8;11		
		1000//1200	315L	16012ET3YAX315LF3-W2	79,990	XN	3375	1.00	282	96.4	54.449	380-415/660-690//440-460	8;11		
		1000//1200	355M/L	16012ET3YAX355MLF3-W	86,940	XN	3799	1.00	294	95.7	58.346	380-415/660-690//440-460	8;11		
		270	200	3000	355M/L	20036EP3YAX355MLF3-W	66,531	XN	3563	1.00	320	95.6	55.591	380-415/660-690//440-460	8;11
				1500//1800	355M/L	20018EP3YAX355MLF3-W	64,081	XN	3380	1.00	346	95.6	58.346	380-415/660-690//440-460	8;11
1500//1800	315L			20018ET3YAX315LF3-W2	70,770	XN	3119	1.00	335	96.7	54.449	380-415/660-690//440-460	8;11		
1500//1800	355M/L			20018ET3YAX355MLF3-W	76,925	XN	3580	1.00	343	96.7	58.346	380-415/660-690//440-460	8;11		
1000//1200	315L			20012EP3YAX315LF3-W2	66,948	XN	3463	1.00	356	95.4	54.449	380-415/660-690//440-460	8;11		
1000//1200	355M/L			20012EP3YAX355MLF3-W	74,007	XN	3907	1.00	368	95.7	58.346	380-415/660-690//440-460	8;11		
1000//1200	355M/L			20012ET3YAX355MLF3-W	97,795	XN	4118	1.00	366	96.2	58.346	380-415/660-690//440-460	8;11		
340	250			3000	315L	25036EP3YAX315LF3-W2	73,948	XN	3084	1.00	400	95.6	53.268	380-415/660-690//440-460	8;11
				3000	355M/L	25036EP3YAX355MLF3-W	82,191	XN	3887	1.00	392	96.4	55.591	380-415/660-690//440-460	8;11
				1500//1800	315L	25018EP3YAX315LF3-W2	62,457	XN	3267	1.00	417	95.9	54.449	380-415/660-690//440-460	8;11
		1500//1800	355M/L	25018EP3YAX355MLF3-W	67,456	XN	3525	1.00	432	95.8	58.346	380-415/660-690//440-460	8;11		
		1500//1800	315L	25018ET3YAX315LF3-W2	76,550	XN	3549	1.00	422	96.9	54.449	380-415/660-690//440-460	8;11		
		1500//1800	355M/L	25018ET3YAX355MLF3-W	83,195	XN	3858	1.00	427	96.9	58.346	380-415/660-690//440-460	8;11		
		1000//1200	355M/L	25012EP3YAX355MLF3-W	88,256	XN	4229	1.00	461	95.5	58.346	380-415/660-690//440-460	8;11		
		1000//1200	355M/L	25012ET3YAX355MLF3-W	111,338	XN	4628	1.00	457	96.3	58.346	380-415/660-690//440-460	8;11		

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IEC Tru-Metric™ Motors

ATEX MOTORS – Explosion Proof

TEFC - Ex d

- 50 Hz and 60 Hz rated (1.00 service factor)
- Class F insulation (Impregnation Resin and magnet Wire are class H)
- F3 mounted as standard
- Stainless Steel Nameplate - Laser etched with high contrast background
- Regreasable ball bearings (Frames 225 and up)
- Gasketed conduit box
- Zone 1 and 2, Groups IIA and IIB, class of temperature T4
- Suitable for WYE/Delta Start
- Design N
- Conductive plastic fan (frames 63 up to 315)
- Aluminum fan (frame 355)
- Lip Seal on both endshields
- Thermistors 1 per phase



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	3000	90S	E.7536XP3WAX90SF3	1,267	XD	67.3	1.00	1.58	80.0	12.441	220-240/380-415//440-460	8;11;27
		1500//1800	90S	E.7518XP3WAX90SF3	1,283	XD	77	1.00	1.72	80.0	12.441	220-240/380-415//440-460	8;11;27
		1000//1200	90L	E.7512XP3WAX90LF3	1,199	XD	74.3	1.00	1.92	76.5	13.425	220-240/380-415//440-460	8;11;27
1.5	1.1	3000	90S	E00136XP3WAX90SF3	1,318	XD	67.3	1.00	2.25	81.5	12.441	220-240/380-415//440-460	8;11;27
		1500//1800	90L	E00118XP3WAX90LF3	1,334	XD	74.3	1.00	2.37	82.5	13.425	220-240/380-415//440-460	8;11;27
		1000//1200	90L	E00112XP3WAX90LF3	1,588	XD	74.3	1.00	3.06	78.1	13.425	220-240/380-415//440-460	8;11;27
2	1.5	3000	90S	E00156XP3WAX90SF3	1,371	XD	59.5	1.00	3.06	84.2	12.441	220-240/380-415//440-460	8;11;27
		1500//1800	100L	E00158XP3WAX100LF3	1,488	XD	101	1.00	3.15	83.5	15.118	220-240/380-415//440-460	8;11;27
		1000//1200	100L	E00152XP3WAX100LF3	1,757	XD	101	1.00	3.77	80.5	15.118	220-240/380-415//440-460	8;11;27
3	2.2	3000	90L	E00236XP3WAX90LF3	1,534	XD	50.7	1.00	4.49	84.2	13.425	220-240/380-415//440-460	8;11;27
		1500//1800	100L	E00218XP3WAX100LF3	1,783	XD	111	1.00	4.60	85.0	15.118	220-240/380-415//440-460	8;11;27
		1000//1200	112M	E00212XP3YAX112MF3	2,040	XD	126	1.00	5.20	81.8	15.512	380-415/660-690//440-460	8;11;27
4	3	3000	100L	E00336XP3WAX100LF3	1,918	XD	92.6	1.00	5.51	87.1	15.118	220-240/380-415//440-460	8;11;27
		1500//1800	112M	E00318XP3YAX112MF3	2,137	XD	137	1.00	6.12	86.0	15.512	380-415/660-690//440-460	8;11;27
		1000//1200	132S	E00312XP3YAX132SF3	3,224	XD	180	1.00	6.70	85.0	17.756	380-415/660-690//440-460	8;11;27
5.5	4	3000	112M	E00436XP3YAX112MF3	2,414	XD	132	1.00	7.31	87.5	15.512	380-415/660-690//440-460	8;11;27
		1500//1800	112M	E00418XP3YAX112MF3	2,468	XD	147	1.00	8.22	87.2	15.512	380-415/660-690//440-460	8;11;27
		1000//1200	132M	E00412XP3YAX132MF3	3,607	XD	202	1.00	8.62	85.5	19.252	380-415/660-690//440-460	8;11;27
7.5	5.5	3000	132S	E00536XP3YAX132SF3	3,083	XD	188	1.00	10.1	88.0	17.756	380-415/660-690//440-460	8;11;27
		1500//1800	132S	E00518XP3YAX132SF3	3,025	XD	184	1.00	10.6	89.2	17.756	380-415/660-690//440-460	8;11;27
		1000//1200	132M	E00512XP3YAX132MF3	3,800	XD	219	1.00	12.1	86.1	19.252	380-415/660-690//440-460	8;11;27
10	7.5	3000	132S	E00736XP3YAX132SF3	3,556	XD	179	1.00	14.2	88.8	17.756	380-415/660-690//440-460	8;11;27
		1500//1800	132M	E00718XP3YAX132MF3	3,685	XD	224	1.00	13.8	89.5	19.252	380-415/660-690//440-460	8;11;27
		1000//1200	160M	E00712XP3YAX160MF3	5,017	XD	333	1.00	14.7	88.8	23.543	380-415/660-690//440-460	8;11;27
15	11	3000	160M	E01136XP3YAX160MF3	4,148	XD	334	1.00	20.0	90.8	23.543	380-415/660-690//440-460	8;11;27
		1500//1800	160M	E01118XP3YAX160MF3	4,151	XD	342	1.00	20.7	90.6	23.543	380-415/660-690//440-460	8;11;27
		1000//1200	160L	E01112XP3YAX160LF3	5,281	XD	375	1.00	22.3	89.6	25.669	380-415/660-690//440-460	8;11;27
20	15	3000	160M	E01536XP3YAX160MF3	4,924	XD	334	1.00	26.4	91.0	23.543	380-415/660-690//440-460	8;11;27
		1500//1800	160L	E01518XP3YAX160LF3	4,608	XD	364	1.00	28.1	91.2	25.669	380-415/660-690//440-460	8;11;27
		1000//1200	180L	E01512XP3YAX180LF3	6,436	XD	512	1.00	26.8	89.8	27.638	380-415/660-690//440-460	8;11;27
25	18.5	3000	160L	E01836XP3YAX160LF3	5,915	XD	392	1.00	32.8	91.3	25.669	380-415/660-690//440-460	8;11;27
		1500//1800	180M	E01818XP3YAX180MF3	6,059	XD	490	1.00	34.5	92.4	26.142	380-415/660-690//440-460	8;11;27
		1000//1200	200L	E01812XP3YAX200LF3	8,379	XD	617	1.00	34.6	91.5	30.197	380-415/660-690//440-460	8;11;27
30	22	3000	180M	E02236XP3YAX180MF3	7,099	XD	480	1.00	38.3	92.0	26.142	380-415/660-690//440-460	8;11;27
		1500//1800	180L	E02218XP3YAX180LF3	6,706	XD	478	1.00	41.1	92.5	27.638	380-415/660-690//440-460	8;11;27
		1000//1200	200L	E02212XP3YAX200LF3	9,487	XD	529	1.00	41.2	92.0	30.197	380-415/660-690//440-460	8;11;27

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ATEX MOTORS

TEFC – Ex d – IE2 *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
40	30	3000	200L	E03036XP3YAX200LF3	8,824	XD	647	1.00	51.6	93.0	30.197	380-415/660-690//440-460	8;11;27
		1500//1800	200L	E03018XP3YAX200LF3	8,717	XD	684	1.00	54.9	93.2	30.197	380-415/660-690//440-460	8;11;27
		1000//1200	225S/M	E03012XP3YAX225SMF3	12,936	XD	937	1.00	53.1	92.6	33.425	380-415/660-690//440-460	8;11;27
50	37	3000	200L	E003736XP3YAX200LF3	10,812	XD	573	1.00	63.3	94.6	30.197	380-415/660-690//440-460	8;11;27
		1500//1800	225S/M	E03718XP3YAX225SMF3	11,099	XD	1018	1.00	63.7	93.6	33.425	380-415/660-690//440-460	8;11;27
		1000//1200	250S/M	E03712XP3YAX250SMF3	15,176	XD	1103	1.00	67.4	93.1	36.339	380-415/660-690//440-460	8;11;27
60	45	3000	225S/M	E04536XP3YAX225SMF3	17,255	XD	1017	1.00	75.1	93.7	33.425	380-415/660-690//440-460	8;11;27
		1500//1800	225S/M	E04518XP3YAX225SMF3	12,846	XD	970	1.00	76.1	93.8	33.425	380-415/660-690//440-460	8;11;27
		1000//1200	280S/M	E04512XP3YAX280SMF3	21,544	XD	1625	1.00	83.2	93.5	40.787	380-415/660-690//440-460	8;11;27
75	55	3000	250S/M	E05536XP3YAX250SMF3	21,608	XD	1131	1.00	91.5	94.0	36.339	380-415/660-690//440-460	8;11;27
		1500//1800	250S/M	E05518XP3YAX250SMF3	19,034	XD	1226	1.00	91.8	94.0	36.339	380-415/660-690//440-460	8;11;27
		1000//1200	280S/M	E05512XP3YAX280SMF3	27,320	XD	1704	1.00	100	93.7	40.787	380-415/660-690//440-460	8;11;27
100	75	3000	280S/M	E07536XP3YAX280SMF3	30,248	XD	1854	1.00	124	94.5	40.787	380-415/660-690//440-460	8;11;27
		1500//1800	280S/M	E07518XP3YAX280SMF3	23,986	XD	1852	1.00	126	94.8	40.787	380-415/660-690//440-460	8;11;27
		1000//1200	315S/M	E07512XP3YAX315SMF3	31,133	XD	1599	1.00	133	94.1	45.512	380-415/660-690//440-460	8;11;27
125	90	3000	280S/M	E09036XP3YAX280SMF3	36,063	XD	1934	1.00	149	94.8	40.787	380-415/660-690//440-460	8;11;27
		1500//1800	280S/M	E09018XP3YAX280SMF3	33,209	XD	2060	1.00	151	94.8	40.787	380-415/660-690//440-460	8;11;27
		1000//1200	315S/M	E09012XP3YAX315SMF3	40,124	XD	2271	1.00	161	94.4	45.512	380-415/660-690//440-460	8;11;27
150	110	3000	315S/M	E11036XP3YAX315SMF3	42,763	XD	2205	1.00	182	95.0	45.512	380-415/660-690//440-460	8;11;27
		1500//1800	315S/M	E11018XP3YAX315SMF3	37,846	XD	2426	1.00	184	95.2	45.512	380-415/660-690//440-460	8;11;27
		1000//1200	315S/M	E11012XP3YAX315SMF3	48,658	XD	2569	1.00	194	94.6	45.512	380-415/660-690//440-460	8;11;27
175	132	3000	315S/M	E13236XP3YAX315SMF3	54,064	XD	2337	1.00	215	95.3	45.512	380-415/660-690//440-460	8;11;27
		1500//1800	315S/M	E13218XP3YAX315SMF3	45,939	XD	2624	1.00	221	95.3	45.512	380-415/660-690//440-460	8;11;27
		1000//1200	355M/L	E13212XP3YAX355MLF3	82,346	XD	3749	1.00	240	95.2	57.835	380-415/660-690//440-460	8;11;27
220	160	3000	315S/M	16036XP3YAX315SMF3	67,306	XD	2567	1.00	260	95.4	45.512	380-415/660-690//440-460	8;11
		1500//1800	315S/M	16018XP3YAX315SMF3	50,129	XD	2668	1.00	270	95.4	45.512	380-415/660-690//440-460	8;11
		1000//1200	355M/L	16012XP3YAX355MLF3	90,159	XD	3969	1.00	290	95.4	57.835	380-415/660-690//440-460	8;11
270	200	3000	355M/L	20036XP3YAX355MLF3	100,962	XD	4035	1.00	320	95.1	57.835	380-415/660-690//440-460	8;11
		1500//1800	355M/L	20018XP3YAX355MLF3	80,905	XD	4006	1.00	333	96.0	57.835	380-415/660-690//440-460	8;11
		1000//1200	355M/L	20012XP3YAX355MLF3	110,130	XD	4212	1.00	368	95.4	57.835	380-415/660-690//440-460	8;11
340	250	3000	355M/L	25036XP3YAX355MLF3	111,375	XD	4348	1.00	392	95.7	57.835	380-415/660-690//440-460	8;11
		1500//1800	355M/L	25018XP3YAX355MLF3	94,903	XD	4236	1.00	415	95.8	57.835	380-415/660-690//440-460	8;11
		1000//1200	355M/L	25012XP3YAX355MLF3	133,308	XD	4818	1.00	452	95.6	57.835	380-415/660-690//440-460	8;11
430	315	1500//1800	355M/L	31518XP3YAX355MLF3	108,540	XD	4844	1.00	516	95.9	57.835	380-415/660-690//440-460	8;11;27

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