

Blue Chip® Severe Duty / Automotive Duty NEMA Premium® XRI® Totally Enclosed, Rigid Base, Three Phase

Applications:

Chemical plants, paper mills, refineries, mines, food processing, foundries, and other severe duty environments where long life and ultra-high efficiency are desired. Guaranteed efficiencies offer an eXtra Return on your Investment when using these premium efficiency motors on high cycle or long run applications.

Features:

- ♦ Meets or exceeds NEMA Premium® efficiencies, except where noted NEMA Premium models are in compliance with EISA2007
- ♦ **AEGIS® SGR installed internally (-P Models)**
- ♦ Blue Chip® quality, 100% cast iron construction for rigidity and reduced vibration
- ♦ Provisions to add stub shaft for an encoder (182T-449T, TEFC only)
- ♦ Internal and external epoxy paint
- ♦ MAX GUARD® Class F insulation system
- ♦ Constant Torque speed range is listed in CT SPPED RANGE column
- ♦ 1.15 Service Factor on sinewave, 1.0 Service Factor on IGBT power
- ♦ Bearing caps (254T and larger)
- ♦ Precision balanced to .08"/sec
- ♦ Extended grease tubes, regreasable in service
- ♦ Brass drain and breather
- ♦ Meets IEEE45 USCG Marine Duty, IP54 Construction
- ♦ Meets Ford EM1 Automotive Duty Specification
- ♦ **AEGIS® SGR installed (BCP) -P models are not certified for Hazardous Duty™ Division 2 locations**
- ♦ Hazardous Duty™ Division 2 CSA certification nameplate
- ♦ Division 2 / Zone 2 Class I (gases), Groups A, B, C, D
- ♦ Meets temperature code T2B
- ♦ Actual test and vibration data supplied with each motor
- ♦ Ball bearings (except as noted)
- ♦ UL Recognized (through 449T) and CSA Certified and CE Marked
- ♦ Three year warranty

Models through 40 HP are capable of modification as follows (contact factory to confirm):

- ♦ 1.25 Service Factor (*sinewave only*)
- ♦ 50 Hz at same HP, 1.0 Service Factor (*sinewave only*)
- ♦ Any nameplate changes are subject to modification charges (see MOD Central section)
- ♦ Contact Marathon Motors for optional nameplate markings on 50 HP and larger



HP	RPM	VOLTS	FRAME	CAT NO.	MODEL NO.	STOCK	CT SPEED RANGE*	MULT. SYMBOL	NOM. EFF.	F.L. AMPS	WEIGHT	"C" DIM.	Foot Notes	C-Face Kit
15	1800	460	254T	E620-P	254TTFNA16838	√	20:1	E9	92.4	18.8	350	23.52	75,P	A284
20	1800	460	256T	E621-P	256TTFNA16855	√	20:1	E9	93.0	24.1	425	25.27	75,P	A284
25	1800	460	284T	E622-P	284TTFNA16851	√	20:1	E9	93.6	31.0	478	26.34	P	A618
30	1800	460	286T	E623-P	286TTFNA16847	√	20:1	E9	94.1	36.5	525	27.84	P	A618
40	1800	460	324T	E624-P	324TTFNA16860	√	20:1@	E9	94.1	47.5	700	30.37	P	A214
50	1800	460	326T	E625-P	326TTFNA16844	√	20:1@	E9	94.5	60.0	775	31.87	P	A214

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet EISA requirements

@ Requires larger fan

*Requires nameplate modification

Blue shaded areas are Cast Iron Frames

Specifications are subject to change without notice.