

Blue Chip® Severe Duty / Automotive Duty NEMA Premium® XRI® IEEE-841, Totally Enclosed, Rigid Base, Three Phase

Applications:

For extreme applications in the process industries such as chemical plants, pulp and paper mills, refineries, above-ground mines, food processing, foundries, and other severe duty environments where long life and ultra-high efficiency are required. Guaranteed efficiencies offer an eXtra Return on your Investment when using these premium efficiency motors on high cycle or long run time applications.

Features:

- ◆ Meets or exceeds NEMA Premium® efficiencies, except where noted NEMA Premium models are in compliance with EISA2007
- ◆ Meets IEEE-841 standard for severe duty applications
- ◆ **AEGIS® SGR installed internally (-P Models)**
- ◆ Blue Chip® quality, 100% cast iron construction for rigidity and reduced vibration
- ◆ Inpro/Seal® VBX® bearing isolators on drive end shaft extension TENV and on both ends of TEFC
- ◆ 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 SPEED 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, API RP14F for offshore platforms, IP56
- ◆ Meets General Motors GM 7E-TA Automotive Duty Specification
- ◆ Meets NEMA MG1 - 1.26.6 Waterproof 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
- ◆ 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
- ◆ Five year warranty



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

- ◆ 1.25 Service Factor (*sinewave only*)
- ◆ 50Hz 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.	FL. AMPS	WEIGHT	"C" DIM.	Foot Notes	C-Face Kit
15	1800	460	254T	W546-P	254THFNA19065	√	20:1	E9	92.4	18.8	350	23.52	P	A184
20	1800	460	256T	W553-P	256THFNA19056	√	20:1	E9	93.0	24.1	425	25.27	75,P	A184
25	1800	460	284T	W560-P	284THFNA19048	√	20:1	E9	93.6	31	478	26.44	P	A186
30	1800	460	286T	W567-P	286THFNA19066	√	20:1	E9	94.1	36.5	525	27.84	P	A186
40	1800	460	324T	W573-P	324THFS19058	√	20:1@	E9	94.1	47.5	700	28.87	P	A187
50	1800	460	326T	W580-P	326THFS19071	√	20:1@	E9	94.5	60	775	30.37	P	A187
60	1800	460	364T	W587-P	364THFS19061	√	20:1@	E9	95.0	69	1000	31.5	P	A188
75	1800	460	365T	W594-P	365THFS19065	√	20:1@	E9	95.4	86	1100	32.5	P	A188
100	1800	460	405T	W600-P	405THFS19327	√	20:1@	E9	95.4	113	1330	37.12	P	A190
125	1800	460	444T	W606-P	444THFN19044	√	20:1@	E9	95.4	141	1725	41.25	P	A194
150	1800	460	445T	W612-P	445THFN19071	√	20:1@	E9	95.8	172	2070	43.19	P	A194
200	1800	460	445T	W618-P	445THFN19070	√	20:1@	E9	96.2	226	2437	43.19	P,RB	A194
250	1800	460	447/9T	W626-P	449THFS19342	√	20:1@	E9	96.5	285	2830	51.69	P	N/A

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.