

General Purpose, Three Phase Dripproof, NEMA Premium® XRI® Efficiency



Applications: General purpose use on compressors, pumps, conveyors, blowers, and other machinery in environments that are relatively clean and dry. Substantial energy savings can be realized when using these high efficiency motors. 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

- Motors are suitable for 10:1 VT on all frame sizes and 10:1 CT up to 365T frame (Except where noted)
- 1.15 Service Factor
- Class F Insulation
- Nameplated 60/50 hertz
- UL Recognized and CSA Certified and CE Mark
- Three year warranty



Rigid Base

Suitable for use on VFD per guidelines on page 17.

HP	RPM	VOLTS	FRAME	OVER LOAD	CAT. NO.	MODEL NO.	STOCK	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM.	FOOT NOTES	C FACE KIT
1	3600	208-230/460	56H	TSTAT	U244	56T34D6001	★	\$380	E2	80.0	2.8-3.4/1.4	10.18	13	A435
	1800	208-230/460	143T	TSTAT	U758	143TTDR6027	★	\$433	E2	85.5	3.2/1.6	12.12		A600
	1200	208-230/460	145T	TSTAT	U265	145TTDR6076	★	\$504	E2	82.5	3.8-4.4/2.2	12.62		A600
1 1/2	3600	208-230/460	143T	TSTAT	U245	143TTDR6028	★	\$423	E2	84.0	4.4-4.0/2.0	12.28		A600
	1800	208-230/460	145T	TSTAT	U759	145TTDR6028	★	\$452	E2	86.5	4.8-5.6/2.4	12.62		A600
	1200	208-230/460	182T	TSTAT	U1266	182TTDW6076	★	\$593	E2	86.5	6.2/3.1	13.19	13	A666
2	3600	208-230/460	145T	TSTAT	U246	145TTDR6039	★	\$499	E2	85.5	5.2-4.8/2.4	13.12		A436
	1800	208-230/460	145T	TSTAT	U760	145TTDR6029	★	\$512	E2	86.5	5.8/2.9	13.62		A600
	1200	208-230/460	184T	TSTAT	U1267	184TTDW6076	★	\$604	E2	87.5	7.2/3.6	15.19	13	A666
3	3600	208-230/460	145T	TSTAT	U247	145TTDR6002	★	\$504	E2	86.5	8.0-7.2/3.6	13.12		A600
	1800	208-230/460	182T	TSTAT	E1930	182TTDW6030	★	\$525	E2	89.5	8.4-8.0/4.0	14.19	13	A666
	1200	208-230/460	213T	TSTAT	U268	213TTDC6076	★	\$829	E2	88.5	10.2-10.0/5.0	16.38		A602
5	3600	208-230/460	182T	TSTAT	U1248	182TTDW6001	★	\$553	E2	86.5	13.0-12.0/6.0	15.19	13	A666
	1800	208-230/460	184T	TSTAT	E1931	184TTDW6031	★	\$590	E2	89.5	13.6-12.8/6.4	15.19	13	A666
	1200	208-230/460	215T	TSTAT	U269	215TTDC6076	★	\$964	E2	90.2	15.8-15.0/7.5	16.38		A602
7 1/2	3600	208-230/460	184T	TSTAT	U1249	184TTDW6001	★	\$800	E2	88.5	19.6-17.6/8.8	16.19	13	A666
	1800	208-230/460	213T	TSTAT	U763	213TTDC6026	★	\$764	E2	91.0	20.6-19.8/9.9	16.38		A602
	1200	208-230/460	254T	TSTAT	U254	254TTDC6076	★	\$1,206	E2	92.4	23.4-22.4/11.2	20.94	YD	A622
10	3600	208-230/460	213T	TSTAT	U764	213TTDC6001	★	\$872	E2	91.0	25.0-23.6/11.8	16.38		A602
	1800	208-230/460	215T	TSTAT	U765	215TTDC6026	★	\$902	E2	91.7	28.5-25.6/12.8	17.87		A602
	1200	208-230/460	256T	TSTAT	U255	256TTDC6076	★	\$1,503	E2	91.7	31.0-29.6/14.8	22.60	YD	A622
15	3600	208-230/460	215T	TSTAT	U766	215TTDC6001	★	\$1,278	E2	91.0	38.0-34.6/17.3	17.87	99	A602
	1800	208-230/460	254T	TSTAT	U767	254TTDC6026	★	\$1,249	E2	93.0	40.5-37.0/18.5	20.94	A,YD	A622
	1200	208-230/460	284T	TSTAT	U256	284TTDC6076	★	\$1,979	E2	92.4	42.0-39.5/19.7	23.54	YD	A626

Blue shaded areas are Cast Iron Frames

Continued on next page.

General Purpose, Three Phase Dripproof, NEMA Premium® XRI® Efficiency

THREE PHASE

Rigid Base

HP	RPM	VOLTS	FRAME	OVER LOAD	CAT. NO.	MODEL NO.	STOCK	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM.	FOOT NOTES	C FACE KIT
20	3600	208-230/460	254T	TSTAT	U768	254TTDC6001	★	\$1,472	E2	93.0	50.0-46.0/23.0	20.94	YD	A622
	1800	208-230/460	256T	TSTAT	U769	256TTDC6026	★	\$1,546	E2	93.0	55.0-51.0/25.5	22.60	YD	A622
	1200	208-230/460	286T	TSTAT	U257	286TTDC6076	★	\$2,411	E2	92.4	58.0-55.0/27.5	25.00	YD	A626
25	3600	208-230/460	256T	TSTAT	U770	256TTDC6001	★	\$1,875	E2	93.0	64.0-57.4/28.7	22.60	YD	A622
	1800	208-230/460	284T	TSTAT	U771	284TTDC6026	★	\$1,824	E2	93.6	66.0-59.6/29.8	23.54	YD	A626
	1200	208-230/460	324T	TSTAT	U798	324TTDC6076	★	\$2,872	E2	93.0	72.0-67.0/33.5	26.02	YD	A627
30	3600	208-230/460	284TS	TSTAT	U772	284TSTDC6001	★	\$2,319	E2	94.1	75.0-67.0/33.5	22.17	YD	A626
	1800	208-230/460	286T	TSTAT	U773	286TTDC6026	★	\$2,105	E2	94.1	78.0-71.0/35.5	25.00	YD	A626
	1200	208-230/460	326T	TSTAT	U799	326TTDC6076	★	\$3,367	E2	93.6	86.3-78.0/39.0	27.52	YD	A627
40	3600	208-230/460	286TS	TSTAT	U774	286TSTDC6001	★	\$2,791	E2	93.6	100-91.2/45.6	23.62	A,YD,99	A626
	1800	208-230/460	324T	TSTAT	U775	324TTDC6026	★	\$2,645	E2	94.1	104-96.0/48.0	26.02	YD	A627
	1200	208-230/460	364T	TSTAT	U1927	364TTDCA6086	★	\$4,321	E2	94.1	107-100/50.0	31.60	YD	A629
50	3600	208-230/460	324TS	TSTAT	U776	324TSTDC6001	★	\$3,403	E2	94.1	123-112/56.0	24.53	YD	A627
	1800	208-230/460	326T	TSTAT	U777	326TTDC6026	★	\$3,152	E2	94.5	129-118/59.0	27.52	YD	A627
	1200	208-230/460	365T	TSTAT	U1928	365TTDCA6086	★	\$4,974	E2	94.1	134-125/62.5	32.80	YD	A629
60	3600	208-230/460	326TS	TSTAT	U778	326TSTDC6001	★	\$4,071	E2	94.1	148-136/68.0	26.02	YD	A627
	1800	208-230/460	364T	TSTAT	U1779	364TTDCA6060	★	\$3,748	E2	95.4	151.5-140/70.0	31.60	YD	A629
	1200	230/460	404T	TSTAT	U270	404TTDS6086	★	\$5,987	E2	95.0	146/73.0	32.50		A222
75	3600	208-230/460	364TS	TSTAT	U1782	364TSTDCA6001	★	\$5,379	E2	93.6	190-170/85.0	29.50	YD	A629
	1800	208-230/460	365T	TSTAT	U1783	365TTDCA6060	★	\$4,489	E2	95.4	189-174/87.0	32.80	YD	A629
	1200	230/460	405T	TSTAT	U271	405TTDS16081	★	\$7,358	E2	95.0	180/90.0	34.00		A222
100	3600	208-230/460	365TS	TSTAT	U1784	365TSTDCA6001	★	\$6,583	E2	94.5	251-224/112	30.60	YD	A629
	1800	230/460	404T	NONE	E922	404TTDS6060	★	\$5,852	E2	95.4	226/113	32.50	YD	A222
	1200	230/460	444T	TSTAT	U272	444TTDS16077	★	\$9,134	E2	95.4	234/117	37.75		A228
125	3600	460	404TS	NONE	U250	404TSTDS6001	★	\$7,875	E2	95.0	140	29.50	YD	A225
	1800	460	405T	NONE	E923	405TTDS6060	★	\$7,408	E2	95.4	141	34.00	YD	A222
	1200	460	445T	TSTAT	U273	445TTDS16076	★	\$11,987	E2	95.0	145	39.75	YD	A228
150	3600	460	405TS	NONE	U251	405TSTDS6007	★	\$9,215	E2	95.0	165	31.00	YD	A225
	1800	460	444T	NONE	E924	444TTDS6060	★	\$9,945	E2	95.8	170	37.75	YD	A228
	1200	460	447T	TSTAT	U274	447TTDN16077	★	\$12,325	E2	95.4	185	43.25		N/A
200	3600	460	444TS	TSTAT	U252	444TSTDS16003	★	\$14,334	E2	95.8	216	34.00	YD	A231
	1800	460	445T	NONE	E925	445TTDS6060	★	\$12,478	E2	95.8	225	39.75	YD	A228
	1200	460	449T	TSTAT	U275	449TTDN16076	★	\$14,715	E2	95.4	245	43.25	YD	N/A
250	3600	460	447TS	NONE	U785	447TSTDN16004	★	\$16,694	E2	95.8	274	39.50	YD	A293
	1800	460	447T	NONE	U786	447TTDN16046	★	\$15,414	E2	96.2	292	43.25	YD	N/A
300	3600	460	447TS	NONE	U788	447TSTDN16007	★	\$19,475	E2	95.4	336	39.50	YD	A293
	1800	460	447T	NONE	U789	447TTDN16041	★	\$17,456	E2	96.2	340	43.25	YD	N/A
	1200	460	449T	NONE	U790	449TTDN16077	★	\$23,071	E2	95.8	365		YD	N/A
350	3600	460	447TS	NONE	U791	447TSTDN16008	★	\$21,422	E2	95.4	385	39.50	YD	A293
400	3600	460	449TS	NONE	U793	449TSTDN16003	★	\$24,762	E2	95.8	445	44.50	YD	A293
450	3600	460	449TS	NONE	U795	449TSTDN16004	★	\$31,299	E2	95.8	495	44.50	YD	A293
500	3600	460	449TS	NONE	U797	449TSTDN16005	★	\$34,869	E2	95.8	545	44.50	YD	A293

Blue shaded areas are Cast Iron Frames

NEMA Premium® XRI® Efficiency Three Phase, Totally Enclosed

Applications: General purpose use on compressors, pumps, conveyors, blowers, and other machinery in dirty and dusty environments. Substantial energy savings can be realized when using these high efficiency motors. Guaranteed efficiencies offer an eXtra Return on your Investment when using these premium efficiency motors on high cycle or long run time applications.

General Purpose:

C-Face Footed (Rigid Base)

Rigid Base



- 56 - 215T frames - Rolled Steel
- 254 - 256T frames - Aluminum

Blue Chip®:

Rigid Base



- 143T - 5011 frames - Cast Iron (shaded)



XRI® - PREMIUM EFFICIENCY

Features:

**Meets or exceeds NEMA Premium® efficiencies, except where noted
NEMA Premium® models are in compliance with EISA2007**

- Suitable for use on a VFD. Variable Torque and Constant Torque (as noted)
- 1.15 Service Factor on sinewave, 1.0 Service Factor on IGBT power
- F1 conduit box on Rigid Base, F3 on C-Face Footed (Rigid Base) motors
- Shaft slinger
- Class F insulation
- 1.15 Service Factor
- Ball bearings (except as noted)
- C-Face Footed models are rated 60/50 Hz, same HP
- Motors accept C-face kits, as noted
- UL Recognized, CSA Certified and CE Mark
- Three 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)
- Certain combinations of existing and new nameplate markings are not possible (contact factory to confirm)
- Any nameplate changes are subject to modification charges (see MOD Central section)
- Contact Marathon Electric for optional nameplate markings on 50 HP and larger

Rigid Base

Suitable for use on VFD per guidelines on page 17.

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM	FOOT NOTES	C-FACE KITS
1	3600	200	56H	E2150	56T34F16001		10:1	\$525	E9	80.0	3.2	11.31		A665
	3600	230/460	56H	E2100	56T34F15940	*	10:1	\$525	E9	80.0	2.8/1.4	11.31		A665
	3600	575	56H	E2125	56T34F16020		10:1	\$525	E9	80.0	1.1	11.31		A665
	1800	200	143T	E2151	143TTFR16038	*	10:1	\$435	E9	85.5	3.7	13.75		A642
	1800	230/460	143T	E2101	143TTFR15642	*	10:1	\$435	E9	85.5	3.2/1.6	13.75		A642
	1800	575	143T	E2126	143TTFR16040	*	10:1	\$435	E9	85.5	1.3	13.75		A642
	1200	200	145T	E2152	145TTFR16072		10:1	\$519	E9	82.5	4.4	13.75		A642
	1200	230/460	145T	E2102	145TTFR16078		10:1	\$519	E9	82.5	3.8/1.9	13.75		A642
	1200	575	145T	E2127	145TTFR16080		10:1	\$519	E9	82.5	1.5	13.75		A642
	1 1/2	3600	200	143T	E2153	143TTFR16001		10:1	\$505	E9	84.0	4.6	13.75	
3600		230/460	143T	E2103	143TTFR15582	*	10:1	\$505	E9	84.0	4.0/2.0	13.75		A642
3600		575	143T	E2128	143TTFR16020		10:1	\$505	E9	84.0	1.6	13.75		A642
3600		230/460	143T	E351	143TTN6001	*	1000:1	\$573	E9	86.5	4.0/2.0	10.43	d,N	A603
1800		200	145T	E2154	145TTFR16038	*	10:1	\$447	E9	86.5	5.5	13.75		A642
1800		230/460	145T	E2104	145TTFR16033	*	10:1	\$447	E9	86.5	4.8/2.4	13.75		A642
1800		575	145T	E2129	145TTFR16040	*	10:1	\$447	E9	86.5	1.9	13.75		A642
1200		200	182T	E2155	182TTFW16072		10:1	\$664	E9	87.5	6.4	15.96	13	A666
1200		230/460	182T	E2105	182TTFW16076	*	10:1	\$664	E9	87.5	5.6/2.8	15.96	13	A666
1200		575	182T	E2130	182TTFW16080		10:1	\$664	E9	87.5	2.2	15.96	13	A666

Blue shaded areas are Cast Iron Frames

* Requires nameplate modifications

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet or exceed U.S. EPA and/or NRC Canadian standards.

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NEMA Premium® XRI® Efficiency Three Phase, Totally Enclosed

Rigid Base

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM	FOOT NOTES	C-FACE KITS
2	3600	200	145T	E2156	145TTFR16001		10:1	\$541	E9	85.5	5.5	13.75		A642
	3600	230/460	145T	E2106	145TTFR13002	*	10:1	\$541	E9	85.5	4.8/2.4	13.75		A642
	3600	575	145T	E2131	145TTFR16020		10:1	\$541	E9	85.5	1.9	13.75		A642
	3600	230/460	145T	E353	145TTTN6001	*	1000:1	\$601	E9	85.5	5.0/2.5	11.43	d,N,20	A603
	1800	200	145T	E2157	145TTFR16039	*	10:1	\$491	E9	86.5	6.7	14.75		A642
	1800	230/460	145T	E2107	145TTFR16035	*	10:1	\$491	E9	86.5	5.8/2.9	14.75		A642
	1800	575	145T	E2132	145TTFR16045	*	10:1	\$491	E9	86.5	2.3	14.75		A642
	1200	200	184T	E2158	184TTFW16072		10:1	\$785	E9	88.5	8.3	15.97	13	A666
	1200	230/460	184T	E2108	184TTFW16076	*	10:1	\$785	E9	88.5	7.2/3.6	15.97	13	A666
1200	575	184T	E2133	184TTFW16080		10:1	\$785	E9	88.5	2.9	15.97	13	A666	
3	3600	200	182T	E2159	182TTFW16002		10:1	\$727	E9	86.5	8.7	13.97	13	A666
	3600	230/460	182T	E2109	182TTFW16001	*	10:1	\$727	E9	86.5	7.6/3.8	13.97	13	A666
	3600	575	182T	E2134	182TTFW16020		10:1	\$727	E9	86.5	3.0	13.97	13	A666
	3600	230/460	182T	E216	182TTTS6001	*	1000:1	\$825	E9	89.5	7.6/3.8	12.71	d,N,20	A644
	1800	200	182T	E2160	182TTFW16038	*	10:1	\$648	E9	89.5	9.0	13.97	13	A666
	1800	230/460	182T	E2110	182TTFW16026	*	10:1	\$648	E9	89.5	7.8/3.9	13.97	13	A666
	1800	575	182T	E2135	182TTFW16040	*	10:1	\$648	E9	89.5	3.1	13.97	13	A666
	1800	575	182T	E303	182TTTS6030	*	1000:1	\$740	E9	90.2	3.2	12.71	d,N	A644
	1200	200	213T	E2161	213TTFW16072		10:1	\$960	E9	89.5	10.1	19.47		A609
	1200	230/460	213T	E2111	213TTFW16076	*	10:1	\$960	E9	89.5	8.8/4.4	19.47		A609
	1200	575	213T	E2136	213TTFW16080		10:1	\$960	E9	89.5	3.5	19.47		A609
	5	3600	200	184T	E2162	184TTFW16002		10:1	\$825	E9	88.5	13.8	16.47	13
3600		230/460	184T	E2112	184TTFW16001	*	10:1	\$825	E9	88.5	12.0/6.0	16.47	13	A666
3600		575	184T	E2137	184TTFW16020		10:1	\$825	E9	88.5	4.8	16.47	13	A666
1800		200	184T	E2163	184TTFW16038	*	10:1	\$758	E9	89.5	14.7	14.97	13	A666
1800		230/460	184T	E2113	184TTFW16026	*	10:1	\$758	E9	89.5	12.8/6.4	14.97	13	A666
1800		575	184T	E2138	184TTFW16040	*	10:1	\$758	E9	89.5	5.1	14.97	13	A666
1200		200	215T	E2164	215TTFW16072		10:1	\$1,240	E9	90.2	16.1	20.97		A609
1200		230/460	215T	E2114	215TTFW16076	*	10:1	\$1,240	E9	90.2	14.0/7.0	20.97		A609
1200		575	215T	E2139	215TTFW16080		10:1	\$1,240	E9	90.2	5.6	20.97		A609
7 1/2	3600	230/460	213T	E2115	213TTFW16001	*	10:1	\$997	E9	90.2	17.8/8.9	20.97		A609
	3600	230/460	213T	E218	213TTTS6001	*	1000:1	\$1,108	E9	90.2	17.8/8.9	15.69	d,N	A206
	3600	575	213T	E2140	213TTFW16020		10:1	\$997	E9	90.2	7.1	20.97		A609
	1800	230/460	213T	E2116	213TTFW16026	*	10:1	\$935	E9	91.7	21.6/10.8	18.70		A667
	1800	575	213T	E2141	213TTFW16040	*	10:1	\$935	E9	91.7	8.6	18.70		A667
	1200	230/460	254T	E2117	254TTFL16076	*	10:1	\$1,751	E9	91.0	19.5/9.75	22.99		A1209
	1200	230/460	254T	E235	254TTFNA6076	*	20:1	\$1,751	E9	91.0	19.8/9.9	23.52	d	A284
	1200	575	254T	E2142	254TTFL16080		10:1	\$1,751	E9	91.0	8.2	22.99		A1209
10	3600	230/460	215T	E2118	215TTFW16001	*	10:1	\$1,100	E9	91.7	23.6/11.8	22.22		A609
	3600	575	215T	E2143	215TTFW16020		10:1	\$1,100	E9	91.7	9.4	22.22		A609
	1800	230/460	215T	E2119	215TTFW16026	*	10:1	\$1,065	E9	91.7	26.8/13.4	19.70		A667
	1800	575	215T	E2144	215TTFW16040	*	10:1	\$1,065	E9	91.7	10.7	19.70		A667
	1800	575	215T	E306	215TTFS6030		20:1	\$1,266	E9	91.7	10.0	19.70	d,X	A206
	1200	230/460	256T	E2120	256TTFL16076	*	10:1	\$2,139	E9	91.0	26.5/13.3	26.24		A1209
	1200	230/460	256T	E236	256TTFNA6076	*	20:1	\$2,139	E9	91.0	26.2/13.1	25.27	d	A284
	1200	575	256T	E2145	256TTFL16080		10:1	\$2,139	E9	91.0	11.4	26.24		A1209

XRI® - PREMIUM EFFICIENCY

Blue shaded areas are Cast Iron Frames

* Requires nameplate modifications

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet or exceed U.S. EPA and/or NRC Canadian standards.

Continued on next page.

NEMA Premium® XRI® Efficiency Three Phase, Totally Enclosed

Rigid Base

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE*	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM	FOOT NOTES	C-FACE KITS
15	3600	230/460	254T	E2121	254TTFL16001	★	10:1	\$1,698	E9	91.0	35.4/17.7	22.99		A1209
	3600	230/460	254T	E220	254TTFNA6001	★	2:1	\$1,698	E9	91.7	35.0/17.5	23.52	d	A284
	3600	575	254T	E2146	254TTFL16020		10:1	\$1,698	E9	91.0	14.2	22.99		A1209
	1800	230/460	254T	E2122	254TTFL16026	★	10:1	\$1,594	E9	92.4	38.1/19.1	22.99		A1209
	1800	230/460	254T	E205	254TTFNA6026	★	20:1	\$1,594	E9	92.4	37.6/18.8	23.52	d	A284
	1800	575	254T	E2147	254TTFL16040	★	10:1	\$1,594	E9	92.4	15.8	22.99		A1209
	1800	575	254T	E307	254TTFNA6030	★	20:1	\$1,594	E9	92.4	15.1	23.52	d	A284
	1200	230/460	284T	E237	284TTFNA6076	★	20:1	\$2,839	E9	91.7	40.8/20.4	26.34		A618
20	3600	230/460	256T	E2123	256TTFL16001	★	10:1	\$2,104	E9	91.0	47.0/23.5	24.74		A1209
	3600	230/460	256T	E221	256TTFNA6001	★	2:1	\$2,104	E9	92.4	46.8/23.4	25.27	d	A284
	3600	575	256T	E2148	256TTFL16020		10:1	\$2,104	E9	91.0	18.9	26.24		A1209
	1800	230/460	256T	E2124	256TTFL16026	★	10:1	\$2,104	E9	93.0	48.6/24.3	26.24		A1209
	1800	230/460	256T	E206	256TTFNA6026	★	20:1	\$1,986	E9	93.0	48.2/24.1	25.27	d	A284
	1800	575	256T	E2149	256TTFL16040	★	10:1	\$1,986	E9	93.0	20.4	26.24		A1209
	1800	575	256T	E308	256TTFNA6030	★	20:1	\$1,986	E9	93.0	19.3	25.27	d	A284
	1200	230/460	286T	E238	286TTFNA6076	★	20:1	\$3,459	E9	91.7	53.6/26.8	27.84		A618
25	3600	230/460	284TS	E222	284TSTFNA6001	★	2:1	\$2,592	E9	93.6	56.2/28.1	24.97		A618
	1800	230/460	284T	E207	284TTFNA6026	★	20:1	\$2,365	E9	93.6	62.0/31.0	26.34		A618
	1800	575	284T	E309	284TTFNA6030	★	20:1	\$2,365	E9	93.6	24.8	26.34		A618
	1200	230/460	324T	E239	324TTFS6076	★	20:1	\$4,193	E9	93.0	65.0/32.5	28.87		A214
30	3600	230/460	286TS	E223	286TSTFNA6001	★	2:1	\$3,027	E9	93.6	67.6/33.8	26.47		A618
	1800	230/460	286T	E208	286TTFNA6026	★	20:1	\$2,750	E9	94.1	73.0/36.5	27.84		A618
	1800	575	286T	E310	286TTFNA6030	★	20:1	\$2,750	E9	94.1	29.2	27.84		A618
	1200	230/460	326T	E240	326TTFS6076	★	20:1	\$4,829	E9	93.0	77.0/38.5	30.37		A214
40	3600	230/460	324TS	E224	324TSTFS6001	★	2:1	\$3,992	E9	93.6	94.0/47.0	27.37		A214
	3600	575	324TS	E319	324TSTFS6005		2:1	\$3,992	E9	94.1	37.5	27.37		A214
	1800	230/460	324T	E209	324TTFS6026	★	20:1	\$3,653	E9	94.1	95.0/47.5	30.37		A214
	1800	575	324T	E311	324TTFS6030	★	20:1	\$3,653	E9	94.1	39	30.37		A214
	1200	230/460	364T	E241	364TTFS6086	★	20:1@	\$6,544	E9	93.6	100/50.0	31.50	NP	A395
50	3600	230/460	326TS	E225	326TSTFS6001	★	2:1	\$5,164	E9	93.6	116/58.0	28.87		A214
	3600	575	326TS	E320	326TSTFS6005		2:1	\$5,164	E9	94.5	46.5	28.87		A214
	1800	230/460	326T	E210	326TTFS6026	★	20:1@	\$4,486	E9	94.5	120/60.0	31.87		A214
	1800	575	326T	E312	326TTFS6030	★	20:1@	\$4,486	E9	94.5	48	31.87		A214
	1200	230/460	365T	E242	365TTFS6086	★	20:1@	\$7,516	E9	93.6	123/61.5	32.50	NP	A395
60	3600	230/460	364TS	E226	364TSTFS6001	★	2:1	\$6,794	E9	94.5	134/67.0	29.38		A396
	3600	575	364TS	E321	364TSTFS6005		2:1	\$6,794	E9	94.5	53.5	29.38		A396
	1800	230/460	364T	E211	364TTFS6036	★	20:1@	\$6,436	E9	95.0	138/69.0	31.50		A395
	1800	575	364T	E313	364TTFS6040	★	20:1@	\$6,436	E9	95.0	55	31.50		A395
	1200	230/460	404T	E243	404TTFS6086	★	20:1@	\$8,806	E9	94.5	144/72.0	35.62		A223
75	3600	230/460	365TS	E227	365TSTFS6001	★	2:1	\$8,531	E9	94.5	168/84.0	30.38		A396
	3600	575	365TS	E322	365TSTFS6002		2:1	\$8,531	E9	94.5	67	30.38		A396
	1800	230/460	365T	E212	365TTFS6036	★	20:1@	\$8,159	E9	95.4	172/86.0	32.50		A395
	1800	575	365T	E315	365TTFS6040	★	20:1@	\$8,159	E9	95.4	69	32.50		A395
	1200	230/460	405T	E244	405TTFS6086	★	20:1@	\$10,366	E9	94.5	180/90	37.12		A223
100	3600	230/460	405TS	E228	405TSTFS6001	★	2:1	\$11,431	E9	95.0	216/108	34.12		A226
	3600	575	405TS	E323	405TSTFS6005		2:1	\$11,431	E9	95.0	86.5	34.12		A226
	1800	230/460	405T	E213	405TTFS6036	★	20:1@	\$10,080	E9	95.4	226/113	37.12		A223
	1800	575	405T	E314	405TTFS6040	★	20:1@	\$10,080	E9	95.4	90.5	37.12		A223
	1200	230/460	444T	E328	444TTFN6086	★	20:1@	\$15,286	E9	95.0	248/124	41.25		A620
125	3600	460	444TS	E229	444TSTFS6001	★	2:1	\$14,944	E9	95.4	136	37.50	PW	A226
	3600	575	444TS	E324	444TSTFS16002		2:1	\$14,944	E9	95.4	109	37.50	PW	A232
	1800	460	444T	E214	444TTFS6036	★	20:1@	\$13,270	E9	95.4	141	41.25	PW	A223
	1800	575	444T	E316	444TTFS6044	★	20:1@	\$13,270	E9	95.4	113	41.25	PW	A223
	1200	460	445T	E246	445TTFN6086	★	20:1@	\$17,402	E9	95.0	155	43.19		A620

Blue shaded areas are Cast Iron Frames

* Requires nameplate modifications
@ Requires larger fan

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet or exceed U.S. EPA and/or NRC Canadian standards.

Continued on next page.

NEMA Premium® XRI® Efficiency Three Phase, Totally Enclosed

Rigid Base

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE*	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM	FOOT NOTES	C-FACE KITS
150	3600	460	445TS	E230	445TSTFN6001	★	2:1	\$17,952	E9	95.8	165	39.44		A621
	1800	460	445T	E215	445TTFN6036	★	20:1@	\$15,428	E9	95.8	172	43.19		A621
	1800	575	445T	E317	445TTFN6037		20:1@	\$15,428	E9	95.8	138	43.19	PW	A621
	1200	460	445T	E289	445TTFN6087		20:1@	\$19,470	E9	95.8	181	43.19	RB	N/A
200	3600	460	445TS	E342	445TSTFN16004	★	2:1	\$22,710	E9	95.8	222	39.44		A621
	1800	460	445T	E247	445TTFN6038	★	20:1@	\$18,763	E9	96.2	226	43.19	RB	N/A
	1800	575	445T	E326	445TTFN6039		20:1@	\$18,763	E9	96.2	181	43.19	RB	N/A
	1200	460	447/9T	E282	449TTFS6088	★	20:1@	\$23,834	E9	95.8	240	51.69	H,RB	N/A
250	3600	460	447/9TS	E271	449TSTFS6003		2:1	\$28,641	E9	96.5	274	47.88	H	A624
	1800	460	445T	E287	445TTFN6040		20:1@	\$22,119	E9	95.8	285	43.19	RB,NP	N/A
	1800	460	447/9T	E276	449TTFS6038		20:1@	\$23,778	E9	96.5	285	51.69	H,RB	N/A
	1200	460	L447/9T	E283	449TTFS6087		20:1@	\$27,398	E9	95.8	300	51.69	H,RB	N/A
300	3600	460	447/9TS	E272	449TSTFS6002		2:1	\$37,124	E9	96.2	330	47.88	H	A624
	1800	460	447/9T	E277	449TTFS6037		20:1@	\$26,900	E9	96.5	339	51.69	H,RB	N/A
	1200	460	L447/9T	E284	449TTFS6390		N/A	\$36,173	E9	95.8	362	56.71	H,RB	N/A
350	3600	460	447/9TS	E273	449TSTFS6001		2:1	\$42,573	E9	96.2	382	47.88		A624

XRI® - PREMIUM EFFICIENCY

C-Face Footed (Rigid Base)

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE*	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM	FOOT NOTES
1	3600	208-230/460	56C	E2000	56T34F5940	★	10:1	\$554	E9	80.0	3.0-2.8/1.4	11.31	
	1800	208-230/460	143TC	E2001	143TTFR5642	★	10:1	\$445	E9	85.5	3.2-3.2/1.6	13.75	
	1200	208-230/460	145TC	E2002	145TTFR6078	★	10:1	\$536	E9	82.5	3.8-3.8/1.9	13.75	
1 1/2	3600	208-230/460	143TC	E2003	143TTFR5582	★	10:1	\$515	E9	84.0	4.4-4.0/2.0	13.75	
	1800	208-230/460	145TC	E2004	145TTFR6033	★	10:1	\$485	E9	86.5	5.2-4.8/2.4	13.75	
	1200	208-230/460	182TC	E2005	182TTFR6076	★	10:1	\$701	E9	87.5	4.8-4.4/2.2	16.19	d
	1200	208-230/460	182TC	E2005	182TTFW6076	★	10:1	\$701	E9	87.5	6.0-5.1/2.6	14.47	13
2	3600	208-230/460	145TC	E2006	145TTFR3002	★	10:1	\$571	E9	85.5	5.2-4.8/2.4	13.75	
	1800	208-230/460	145TC	E2007	145TTFR6035	★	10:1	\$531	E9	86.5	6.0-5.8/2.9	14.25	
	1200	208-230/460	184TC	E2008	184TTFR6076	★	10:1	\$803	E9	88.5	6.4-6.0/3.0	17.19	d
	1200	208-230/460	184TC	E2008	184TTFW6076	★	10:1	\$803	E9	88.5	7.4-6.4/3.2	14.97	13
3	3600	208-230/460	182TC	E2009	182TTFR6001	★	10:1	\$740	E9	87.5	8.0-7.6/3.8	15.69	d
	3600	208-230/460	182TC	E2009	182TTFW6001	★	10:1	\$740	E9	87.5	8.4-7.8/3.9	13.97	13
	1800	208-230/460	182TC	E2010	182TTFR6026	★	10:1	\$664	E9	89.5	8.4-8.0/4.0	15.69	d
	1800	208-230/460	182TC	E2010	182TTFW6026	★	10:1	\$664	E9	89.5	8.4-7.8/3.9	13.97	13
	1200	208-230/460	213TC	E2011	213TTFW6076	★	10:1	\$979	E9	89.5	9.2-8.8/4.4	19.47	
5	3600	208-230/460	184TC	E2012	184TTFR6001	★	10:1	\$858	E9	88.5	13.2-12.0/6.0	16.67	d
	3600	208-230/460	184TC	E2012	184TTFW6001	★	10:1	\$858	E9	88.5	13.0-12.0/6.0	17.19	13
	1800	208-230/460	184TC	E2013	184TTFR6026	★	10:1	\$775	E9	90.2	13.8-12.4/6.2	16.67	d
	1800	208-230/460	184TC	E2013	184TTFW6026	★	10:1	\$775	E9	90.2	13.7-12.6/6.3	14.97	13
	1200	208-230/460	215TC	E2014	215TTFW6076	★	10:1	\$1,261	E9	90.2	15.0-14.0/7.0	20.97	
7 1/2	3600	208-230/460	213TC	E2015	213TTFW6001	★	10:1	\$1,054	E9	91.7	19.7-17.8/8.9	20.97	
	1800	208-230/460	213TC	E2016	213TTFW6026	★	10:1	\$957	E9	91.7	21.0-19.4/9.7	20.97	
10	3600	208-230/460	215TC	E2018	215TTFW6001	★	10:1	\$1,122	E9	91.7	26.4-23.6/11.8	22.22	
	1800	208-230/460	215TC	E2019	215TTFW6026	★	10:1	\$1,089	E9	91.7	28.0-25.6/12.8	22.22	

Blue shaded areas are Cast Iron Frames

* Requires nameplate modifications

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet or exceed U.S. EPAct and/or NRCan Canadian standards.

Blue Chip® Severe Duty / Automotive Duty: Ford EM-1 NEMA Premium® XRI®, Hazardous Duty™

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
 - 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 SPEED RANGE column
 - 1.15 Service Factor on sinewave, 1.0 Service Factor on IGBT power
 - Bearing caps (254T and larger)
 - Precision balanced
 - Extended grease tubes, regreasable in service
 - Brass drain and breather
 - Meets IEEE45 USCG Marine Duty, IP54 Construction
 - Meets Ford EM1 Automotive Duty Specification
 - 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
 - Three 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)
- Certain combinations of existing and new nameplate markings are not possible (contact factory to confirm)
- Any nameplate changes are subject to modification charges (see MOD Central section)
- Contact Marathon Electric for optional nameplate markings on 50 HP and larger

Suitable for use on VFD per guidelines on page 17.

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE*	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM.	FOOT NOTES	C FACE KIT
3/4	1200	460	143T	E648	143TTN6576	★	1000:1	\$561	E9	80.0	1.4	10.43	75,76,N	A603
	1200	460	143T	E373	143TFN6576		20:1	\$617	E9	80.0	1.4	12.92	75,76	A603
1	1800	460	143T	E649	143TTN6526	★	1000:1	\$458	E9	85.5	1.5	10.43	75,76,N	A603
	1800	460	143T	E374	143TFN6526		20:1	\$504	E9	85.5	1.5	12.92	75,76	A603
	1800	230/460	143T	E461	143TTN6563	★	1000:1	\$458	E9	85.5	3.1/1.5	12.95	75,76,N	A603
	1800	230/460	143T	E375	143TFN6563		20:1	\$504	E9	85.5	3.1/1.5	12.95	75,76	A603
	1800	575	143T	E666	143TTN6530	★	1000:1	\$458	E9	85.5	1.2	10.43	75,76,N	A603
	1800	575	143T	E376	143TFN16539		20:1	\$504	E9	85.5	1.2	14.17	75,76	A603
	1200	460	145T	E650	145TTN6576	★	1000:1	\$576	E9	80.0	1.65	11.43	75,76,N,NP	A655
	1200	230/460	145T	E462	145TTN6584		1000:1	\$576	E9	80.0	3.3/1.65	11.43	75,76,N,NP	A655
1 1/2	3600	460	143T	E651	143TTN6501	★	1000:1	\$573	E9	86.5	2.0	10.43	75,76,N	A603
	3600	460	143T	E377	143TFN6501		20:1	\$630	E9	85.5	2.0	14.17	75,76	A603
	3600	230/460	143T	E463	143TTN6502		1000:1	\$573	E9	86.5	4.0/2.0	10.43	75,76,N	A603
	3600	230/460	143T	E378	143TFN6502		20:1	\$630	E9	85.5	4.0/2.0	14.17	75,76	A603
	3600	575	143T	E851	143TTN6505		1000:1	\$573	E9	86.5	1.6	10.43	75,76,N	A603
	3600	575	143T	E379	143TFN6505		20:1	\$630	E9	85.5	1.6	14.17	75,76	A603
	1800	460	145T	E652	145TTN6526	★	1000:1	\$497	E9	84.0	2.2	11.43	75,76,N,NP	A655
	1800	230/460	145T	E464	145TTN6834	★	1000:1	\$497	E9	84.0	4.4/2.2	11.43	75,76,N,NP	A655
	1800	575	145T	E667	145TTN6529		1000:1	\$497	E9	84.0	1.8	11.43	75,76,N,NP	A655
	1200	460	182T	E632	182TTS6576	★	1000:1	\$737	E9	87.5	2.2	12.71	75,76,N	A644
	1200	460	182T	E380	182TFS6576		20:1	\$811	E9	87.5	2.2	15.19	75	A644
	1200	230/460	182T	E465	182TTS6578		1000:1	\$737	E9	87.5	4.4/2.2	12.71	75,N	A644
2	3600	460	145T	E653	145TTN6501	★	1000:1	\$601	E9	85.5	2.5	11.43	75,76,N	A655
	3600	460	145T	E382	145TFN6501		20:1	\$661	E9	85.5	2.0	14.17	75,76	A655
	3600	230/460	145T	E466	145TTN6521		1000:1	\$601	E9	85.5	5.0/2.5	11.43	75,76,N	A655
	3600	230/460	145T	E383	145TFN6521		20:1	\$661	E9	85.5	4.0/2.0	14.17	75,76	A655
	3600	575	145T	E852	145TTN6505		1000:1	\$601	E9	85.5	2.0	11.43	75,76,N	A655

Blue shaded areas are Cast Iron Frames

* Requires nameplate modification

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet or exceed U.S. EPA and/or NRC Canadian standards.

Continued on next page.

Blue Chip® Severe Duty / Automotive Duty: Ford EM-1 NEMA Premium® XRI®, Hazardous Duty™

Totally Enclosed, Rigid Base, Three Phase

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE*	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM.	FOOT NOTES	C FACE KIT	
2	1800	460	145T	E654	145TTTN6527	★	1000:1	\$546	E9	85.5	3.0	11.43	75,76,N,NP	A655	
	1800	230/460	145T	E467	145TTTN6835	★	1000:1	\$546	E9	85.5	6.0/3.0	11.43	75,76,N,NP	A655	
	1800	575	145T	E668	145TTTN6530	★	1000:1	\$546	E9	85.5	2.4	11.43	75,76,N,NP	A655	
	1200	460	184T	E633	184TTTS6576	★	1000:1	\$911	E9	88.5	3.0	13.71	75,N	A644	
	1200	460	184T	E388	184TTFS6576		20:1	\$1,002	E9	88.5	2.9	16.19	75	A644	
	1200	230/460	184T	E468	184TTTS6582	★	1000:1	\$911	E9	88.5	6.0/3.0	13.71	75,N	A644	
3	3600	460	182T	E601	182TTTS6501	★	1000:1	\$825	E9	87.5	3.8	12.71	75,N	A644	
	3600	230/460	182T	E390	182TTFS6501		20:1	\$908	E9	87.5	3.8	15.19	75	A644	
	3600	575	182T	E853	182TTTS6505		1000:1	\$825	E9	87.5	3.0	12.71	75,N	A644	
	3600	575	182T	E392	182TTFS6505		20:1	\$908	E9	87.5	3.0	21.57	75	A644	
	1800	460	182T	E616	182TTTS6526	★	1000:1	\$740	E9	90.2	4.0	12.71	75,N	A644	
	1800	230/460	182T	E470	182TTTS6538	★	1000:1	\$740	E9	90.2	8.0/4.0	12.71	75,N	A644	
	1800	575	182T	E669	182TTTS6530	★	1000:1	\$740	E9	90.2	3.2	12.71	75,N	A644	
	1200	460	213T	E634	213TTFS6576	★	20:1	\$1,122	E9	89.5	4.4	18.22	75	A206	
	1200	230/460	213T	E471	213TTFS6594	★	20:1	\$1,122	E9	89.5	8.8/4.4	18.22	75	A206	
5	3600	460	184T	E602	184TTFS6501	★	2:1	\$917	E9	89.5	5.9	16.19	75	A644	
	3600	230/460	184T	E472	184TTFS6810	★	2:1	\$917	E9	89.5	11.8/5.9	16.19	75	A644	
	3600	575	184T	E655	184TTFS6505	★	20:1	\$917	E9	89.5	4.7	16.19	75	A644	
	1800	460	184T	E617	184TTFS6526	★	20:1	\$858	E9	90.2	6.2	16.19	75	A644	
	1800	230/460	184T	E473	184TTFS6844	★	20:1	\$858	E9	90.2	12.4/6.2	16.19	75	A644	
	1800	575	184T	E670	184TTFS6530	★	20:1	\$858	E9	90.2	5.0	16.19	75	A644	
	1200	460	215T	E635	215TTFS6576	★	20:1	\$1,378	E9	89.5	6.9	19.72	75	A206	
	1200	230/460	215T	E474	215TTFS6881	★	20:1	\$1,378	E9	89.5	13.8/6.9	19.72	75	A206	
	1200	575	215T	E683	215TTFS6580	★	20:1	\$1,378	E9	89.5	5.5	19.72	75	A206	
	7 1/2	3600	460	213T	E603	213TTTS6501	★	1000:1	\$1,108	E9	91.7	8.9	17.19	75,N	A206
3600		460	213T	E396	213TTFS6501		2:1	\$1,219	E9	89.5	8.9	19.72	75	A206	
3600		230/460	213T	E475	213TTTS6502	★	1000:1	\$1,108	E9	91.7	17.8/8.9	17.19	75,N	A206	
3600		575	213T	E656	213TTTS6505	★	1000:1	\$1,108	E9	91.7	7.1	17.19	75,N	A206	
1800		460	213T	E618	213TTFS6526	★	20:1	\$1,051	E9	91.7	9.6	19.72	75	A206	
1800		230/460	213T	E476	213TTFS6531	★	20:1	\$1,051	E9	91.7	19.2/9.6	19.72	75	A206	
1800		575	213T	E671	213TTFS6530	★	20:1	\$1,051	E9	91.7	7.7	19.72	75	A206	
1200		460	254T	E636	254TTFNA6576	★	20:1	\$1,786	E9	91.0	9.9	23.52	75	A284	
1200		230/460	254T	E477	254TTFNA6590	★	20:1	\$1,786	E9	91.0	19.8/9.9	23.52	75	A284	
1200		575	254T	E684	254TTFNA6578		20:1	\$1,786	E9	91.0	7.9	23.52	75	A284	
10		3600	460	215T	E604	215TTFS6501	★	2:1	\$1,293	E9	91.7	11.8	19.72	75	A206
		3600	230/460	215T	E478	215TTFS6807	★	2:1	\$1,293	E9	91.7	23.6/11.8	19.72	75	A206
	3600	575	215T	E657	215TTFS6505		2:1	\$1,293	E9	91.7	9.5	19.72	75	A206	
	1800	460	215T	E619	215TTFS6526	★	20:1	\$1,266	E9	91.7	12.5	19.72	75	A206	
	1800	230/460	215T	E479	215TTFS6527	★	20:1	\$1,266	E9	91.7	25.0/12.5	19.72	75	A206	
	1800	575	215T	E672	215TTFS6530	★	20:1	\$1,266	E9	91.7	10.0	19.72	75	A206	
	1200	460	256T	E637	256TTFNA6576	★	20:1	\$2,182	E9	91.0	13.1	25.27	75	A284	
	1200	230/460	256T	E480	256TTFNA6596	★	20:1	\$2,182	E9	91.0	26.2/13.1	25.27	75	A284	
	1200	575	256T	E685	256TTFNA6578		20:1	\$2,182	E9	91.0	10.5	25.27	75	A284	

Blue shaded areas are Cast Iron Frames

* Requires nameplate modification

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet or exceed U.S. EPA and/or NRCAN Canadian standards.

Continued on next page.

Blue Chip® Severe Duty / Automotive Duty: Ford EM-1 NEMA Premium® XRI®, Hazardous Duty™

Totally Enclosed, Rigid Base, Three Phase

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE*	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM.	FOOT NOTES	C FACE KIT
15	3600	460	254T	E605	254TTFNA6501	★	2:1	\$1,732	E9	91.7	17.5	23.52	75	A284
	3600	230/460	254T	E481	254TTFNA6515	★	2:1	\$1,732	E9	91.7	35.0/17.5	23.52	75	A284
	3600	575	254T	E658	254TTFNA6503		2:1	\$1,732	E9	91.7	14.2	23.52	75	A284
	1800	460	254T	E620	254TTFNA6526	★	20:1	\$1,626	E9	92.4	18.8	23.52	75	A284
	1800	230/460	254T	E482	254TTFNA6529	★	20:1	\$1,626	E9	92.4	37.6/18.8	23.52	75	A284
	1800	575	254T	E673	254TTFNA6528	★	20:1	\$1,626	E9	92.4	15.0	23.52	75	A284
	1200	460	284T	E638	284TTFNA6576	★	20:1	\$2,896	E9	91.7	20.4	26.34		A618
	1200	230/460	284T	E483	284TTFNA6876	★	20:1	\$2,896	E9	91.7	40.8/20.4	26.34		A618
	1200	575	284T	E694	284TTFNA6580		20:1	\$2,896	E9	91.7	16.3	26.34		A618
20	3600	460	256T	E606	256TTFNA6501	★	2:1	\$2,146	E9	92.4	23.4	25.27	75	A284
	3600	230/460	256T	E484	256TTFNA6523	★	2:1	\$2,146	E9	92.4	47.0/23.4	25.27	75	A284
	3600	575	256T	E659	256TTFNA6503	★	2:1	\$2,146	E9	92.4	18.7	25.27	75	A284
	1800	460	256T	E621	256TTFNA6526	★	20:1	\$2,026	E9	93.0	24.1	25.27	75	A284
	1800	230/460	256T	E485	256TTFNA6529	★	20:1	\$2,026	E9	93.0	48.2/24.1	25.27	75	A284
	1800	575	256T	E674	256TTFNA6528	★	20:1	\$2,026	E9	93.0	19.3	25.27	75	A284
	1200	460	286T	E639	286TTFNA6576	★	20:1	\$3,528	E9	91.7	26.8	27.84		A618
	1200	230/460	286T	E486	286TTFNA6876		20:1	\$3,528	E9	91.7	53.5/26.8	27.84		A618
	1200	575	286T	E695	286TTFNA6580		20:1	\$3,528	E9	91.7	21.4	27.84		A618
25	3600	460	284TS	E607	284TSTFNA6501	★	2:1	\$2,644	E9	93.6	28.1	24.97		A618
	3600	575	284TS	E660	284TSTFNA6502	★	2:1	\$2,644	E9	93.6	22.5	24.97		A618
	1800	460	284T	E622	284TTFNA6526		20:1	\$2,413	E9	93.6	31.0	26.34		A618
	1800	230/460	284T	E488	284TTFNA6837	★	20:1	\$2,413	E9	93.6	62.0/31.0	26.34		A618
	1800	575	284T	E675	284TTFNA6527	★	20:1	\$2,413	E9	93.6	24.8	26.34		A618
	1200	460	324T	E640	324TTFS6576	★	20:1	\$4,276	E9	93.0	32.5	28.87		A214
	1200	575	324T	E696	324TTFS6577		20:1	\$4,276	E9	93.0	26.0	28.87		A214
30	3600	460	286TS	E608	286TSTFNA6501	★	2:1	\$3,087	E9	93.6	34.1	26.47		A618
	3600	230/460	286TS	E490	286TSTFNA6804	★	2:1	\$3,087	E9	93.6	67.5/34.0	26.47		A618
	1800	460	286T	E623	286TTFNA6526	★	20:1	\$2,805	E9	94.1	36.5	27.84		A618
	1800	230/460	286T	E491	286TTFNA6570	★	20:1	\$2,805	E9	94.1	73.0/36.5	27.84		A618
	1800	575	286T	E676	286TTFNA6527	★	20:1	\$2,805	E9	94.1	29.2	27.84		A618
	1200	460	326T	E641	326TTFS6576	★	20:1	\$4,926	E9	93.0	38.5	30.37		A214
	1200	575	326T	E400	326TTFS6580		20:1	\$4,926	E9	93.0	31.0	30.37		A214
40	3600	460	324TS	E609	324TSTFS6501	★	2:1	\$4,072	E9	93.6	47.0	27.37		A214
	3600	575	324TS	E662	324TSTFS6505		2:1	\$4,072	E9	93.6	37.5	27.37		A214
	1800	460	324T	E624	324TTFS6526	★	20:1@	\$3,726	E9	94.1	47.5	30.37		A214
	1800	575	324T	E677	324TTFS6527	★	20:1@	\$3,726	E9	94.1	38.0	30.37	d	A214
	1200	460	364T	E642	364TTFS6586	★	20:1@	\$6,675	E9	93.6	50.0	31.50	NP	A395
	1200	575	364T	E401	364TTFS6590		20:1@	\$6,675	E9	93.6	40.0	31.50	NP	A395
50	3600	460	326TS	E610	326TSTFS6501	★	2:1	\$5,268	E9	93.6	58.0	28.87		A214
	3600	575	326TS	E663	326TSTFS6502		2:1	\$5,268	E9	93.6	46.5	28.87		A214
	1800	460	326T	E625	326TTFS6526	★	20:1@	\$4,576	E9	94.5	60.0	31.87		A214
	1800	460	326TS	E453	326TSTFS6536		20:1@	\$4,576	E9	94.5	60.0	28.87		A214
	1800	575	326T	E678	326TTFS6527	★	20:1@	\$4,576	E9	94.5	48.0	30.37		A214
	1200	460	365T	E643	365TTFS6586	★	20:1@	\$7,666	E9	93.6	61.5	32.50	NP	A395
	1200	575	365T	E402	365TTFS6590		20:1@	\$7,666	E9	93.6	49.0	32.50	NP	A395
60	3600	460	364TS	E611	364TSTFS6501	★	2:1	\$6,929	E9	94.5	67.0	29.38		A396
	3600	575	364TS	E664	364TSTFS6505		2:1	\$6,929	E9	94.5	53.5	29.38		A396
	1800	460	364T	E626	364TTFS6536	★	20:1@	\$6,565	E9	95.0	69.0	31.50		A395
	1800	460	364TS	E454	364TSTFS6526		20:1@	\$6,565	E9	95.0	69.0	29.38		A396
	1800	575	364T	E679	364TTFS6537	★	20:1@	\$6,565	E9	95.0	55.0	31.50		A395

Blue shaded areas are Cast Iron Frames

* Requires nameplate modification
@ Requires larger fan

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet or exceed U.S. EPA and/or NRCAN Canadian standards.

SEVERE DUTY

Continued on next page.

Blue Chip® Severe Duty / Automotive Duty: Ford EM-1 NEMA Premium® XRI®, Hazardous Duty™

Totally Enclosed, Rigid Base, Three Phase

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE*	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM.	FOOT NOTES	C FACE KIT
60	1200	460	404T	E644	404TTFS6586	*	20:1@	\$8,982	E9	94.5	72.0	35.62		A223
	1200	575	404T	E403	404TTFS6592		20:1@	\$8,982	E9	94.5	57.5	35.62		A223
75	3600	460	365TS	E612	365TSTFS6501	*	2:1	\$8,702	E9	94.5	84.0	30.38		A396
	3600	575	365TS	E665	365TSTFS6502	*	2:1	\$8,702	E9	94.5	67.0	30.38		A396
	1800	460	365T	E627	365TTFS6536	*	20:1@	\$8,322	E9	95.4	86.0	32.50		A395
	1800	460	365TS	E455	365TSTFS6526	*	20:1@	\$8,322	E9	95.4	86.0	30.38		A396
	1800	575	365T	E680	365TTFS6537		20:1@	\$8,322	E9	95.4	69.0	32.50		A395
	1200	460	405T	E645	405TTFS6586	*	20:1@	\$10,574	E9	94.5	90.0	37.12		A223
	1200	575	405T	E404	405TTFS6587		20:1@	\$10,574	E9	94.5	71.5	37.12		A223
	100	3600	460	405TS	E613	405TSTFS6501	*	2:1	\$11,660	E9	95.0	108	34.12	
3600		575	405TS	E493	405TSTFS6502		2:1	\$11,660	E9	95.0	87.0	34.12		A226
1800		460	405T	E628	405TTFS6536	*	20:1@	\$10,282	E9	95.4	113	37.12		A223
1800		460	405TS	E456	405TSTFS6526	*	20:1@	\$10,282	E9	95.4	113	34.12		A226
1800		575	405T	E681	405TTFS6538	*	20:1@	\$10,282	E9	95.4	90.5	37.12		A223
1800		460	444T	E327	444TTFN16577		20:1@	\$14,451	E9	95.0	124	41.25		A620
1200		460	444T	E646	444TTFS6586	*	20:1@	\$14,451	E9	94.5	119	41.25	NP	A229
1200		575	444T	E405	444TTFS6590		20:1@	\$14,451	E9	94.5	94.5	41.25	NP	A229
125		3600	460	444TS	E614	444TSTFS6501	*	2:1	\$15,243	E9	95.4	136	37.50	
	3600	575	444TS	E494	444TSTFS6505		2:1	\$15,243	E9	95.4	109	37.50		A232
	1800	460	444T	E629	444TTFS6536	*	20:1@	\$13,535	E9	95.4	141	41.25		A229
	1800	460	444TS	E457	444TSTFS6526	*	20:1@	\$13,535	E9	95.4	141	37.50		A232
	1800	575	444T	E697	444TTFS6540		20:1@	\$13,535	E9	95.4	113	41.25		A229
	1200	460	445T	E647	445TTFN6586	*	20:1@	\$17,750	E9	95.0	155	43.26		A620
	1200	575	445T	E406	445TTFN6590		20:1@	\$17,750	E9	95.0	124	43.26		A620
	150	3600	460	445TS	E615	445TSTFN6501	*	2:1	\$18,311	E9	95.8	165	39.44	
3600		575	445TS	E495	445TSTFN6502		2:1	\$18,311	E9	95.8	132	39.44		A621
1800		460	445T	E630	445TTFN6536	*	20:1@	\$15,736	E9	95.8	172	43.26		A620
1800		460	445TS	E458	445TSTFN6526	*	20:1@	\$15,736	E9	95.8	172	39.44		A621
1800		575	445T	E682	445TTFN6537		20:1@	\$15,736	E9	95.8	138	43.26		A620
1200		460	445T	E448	445TTFN6587	*	20:1@	\$19,859	E9	95.8	180	43.26	H, RB	N/A
1200		575	445T	E407	445TTFN6591		20:1@	\$19,859	E9	95.8	145	43.26	RB	N/A
200		3600	460	445TS	E449	445TSTFN6505	*	2:1	\$23,164	E9	95.8	222	39.44	H
	3600	575	445TS	E496	445TSTFN6506		2:1	\$23,164	E9	95.8	178	39.44		A621
	1800	460	445T	E631	445TTFN6538	*	20:1@	\$19,138	E9	96.2	226	43.26	RB	N/A
	1800	460	445TS	E459	445TSTFN6528	*	20:1@	\$19,138	E9	96.2	226	39.44	H	A621
	1800	460	447/9T	E770	449TTFS6530	*	20:1@	\$22,009	E9	96.5	225	51.69	H	A623
	1800	460	447/9T	E854	449TTFS6540	*	20:1@	\$22,009	E9	96.5	225	51.69	H, RB	N/A
	1800	575	447/9T	E856	449TTFS6564	*	20:1@	\$22,009	E9	96.5	180	51.69	H, RB	N/A
	1200	460	447/9T	E773	449TTFS6578	*	20:1@	\$24,311	E9	95.8	240	51.69	H	A623
	1200	460	447/9T	E687	449TTFS6588	*	20:1@	\$24,311	E9	95.8	240	51.69	H, RB	N/A
	1200	575	447/9T	E408	449TTFS6582		20:1@	\$24,311	E9	95.8	192	51.69	H, RB	N/A
250	3600	460	447/9TS	E699	449TSTFS6503		2:1	\$29,214	E9	96.5	274	47.88	H	A624
	1800	460	445T	E450	445TTFN6540		20:1@	\$24,011	E9	95.8	285	43.26	A, H, RB	N/A
	1800	460	447/9T	E771	449TTFS6528	*	20:1@	\$27,612	E9	96.5	285	51.69	H	A623
	1800	460	447/9T	E690	449TTFS6538	*	20:1@	\$27,612	E9	96.5	285	51.69	H, RB	N/A
	1200	460	L447/9T	E774	449TTFS6577		20:1@	\$27,946	E9	95.8	300	51.69	H	A623
	1200	460	L447/9T	E688	449TTFS6587		20:1@	\$27,946	E9	95.8	300	51.69	H, RB	N/A

Blue shaded areas are Cast Iron Frames

* Requires nameplate modification
@ Requires larger fan

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet or exceed U.S. EPAact and/or NRCan Canadian standards.

Continued on next page.

Blue Chip® Severe Duty / Automotive Duty: Ford EM-1 NEMA Premium® XRI®, Hazardous Duty™

Totally Enclosed, Rigid Base, Three Phase

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE*	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM.	FOOT NOTES	C FACE KIT
300	3600	460	447/9TS	E698	449TSTFS6502		2:1	\$37,866	E9	96.2	330	47.88	H	A626
	1800	460	447/9T	E691	449TTFS6537	*	20:1@	\$30,652	E9	96.5	339	51.69	H,RB	N/A
	1800	460	447/9T	E772	449TTFS6527		20:1@	\$30,652	E9	96.5	339	51.69	H	A623
	1800	575	447/9T	E345	449TTFS16534		20:1@	\$30,652	E9	96.5	271	51.69	H,RB	N/A
350	3600	460	447/9TS	E769	449TSTFS6501		2:1	\$43,424	E9	96.2	382	47.88	H	A624
	1800	460	447/9T	E692	449TTFS6536	*	20:1@	\$35,804	E9	96.2	395	51.69	H,RB	N/A
400	1800	460	L447/9T	E776	449TTFS16553		20:1@	\$36,759	E9	96.2	448	56.71	H,79	N/A
450	1200	460	5013LS	E363	5013LSTFS6595		N/A	\$85,984	S6	96.2	525	67.19	A,77,79,90	N/A
500	1800	460	5011LS	E364	5011LSTFS16031		N/A	\$59,263	S6	96.2	555	67.19	77,79,90	N/A
600	1800	460	5011LS	E366	5011LSTFS16033		N/A	\$70,218	S6	96.2	655	67.19	A,77,79,90	N/A

Blue shaded areas are Cast Iron Frames

* Requires nameplate modification
© Requires larger fan

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet or exceed U.S. EPA and/or NRC Canadian standards.

SEVERE DUTY

Blue Chip® Severe Duty / Automotive Duty: GM 7E-TA NEMA Premium® XRI® IEEE-841, Hazardous Duty™

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 R**eturn on your **I**nvestment 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
- 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
- Extended grease tubes, regreasable in service
- Brass drain and breather
- Meets IEEE45 USCG Marine Duty, API RPI4F for offshore platforms, IP56
- Meets NEMA MG1 - 1.26.6 Waterproof specification
- 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
- Five year warranty



SEVERE DUTY

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)
- Certain combinations of existing and new nameplate markings are not possible (contact factory to confirm)
- Any nameplate changes are subject to modification charges (see MOD Central section)
- Contact Marathon Electric for optional nameplate markings on 50 HP and larger

Suitable for use on VFD per guidelines on page 17.

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE*	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM.	FOOT NOTES	C FACE KIT
1	1800	460	143T	W501	143THTN9026	★	1000:1	\$618	E9	85.5	1.5	10.43	75,76,N	A181
	1800	575	143T	W502	143THTN19033		1000:1	\$618	E9	85.5	1.2	10.43	75,76,N	A181
	1200	460	145T	W503	145THTN9076		1000:1	\$778	E9	80.0	1.65	11.43	75,76,N,NP	A262
	1200	575	145T	W638	145THTN19079		1000:1	\$778	E9	80.0	1.3	11.43	75,76,N,NP	A262
	900	460	182T	W504	182THFS19101		20:1	\$1,367	E9	74.0	2.2	15.19	75,NE	A182
1 1/2	3600	460	143T	W505	143THTN9001		1000:1	\$774	E9	86.5	2.0	10.43	75,76,N	A181
	3600	575	143T	W506	143THTN9005		1000:1	\$774	E9	86.5	1.6	10.43	75,76,N	A181
	1800	460	145T	W507	145THTN9026	★	1000:1	\$670	E9	84.0	2.2	11.43	75,76,N,NP	A262
	1800	575	145T	W508	145THTN19045	★	1000:1	\$670	E9	84.0	1.75	11.43	75,76,d,N,NP	A262
	1200	460	182T	W509	182THTS9076	★	1000:1	\$996	E9	87.5	2.2	12.71	75,d,N	A182
2	3600	460	145T	W511	145THTN9001		1000:1	\$811	E9	85.5	2.5	11.43	75,76,N	A262
	3600	575	145T	W512	145THTN19002		1000:1	\$811	E9	85.5	2.0	11.43	75,76,N	A262
	1800	460	145T	W513	145THTN9027	★	1000:1	\$736	E9	85.5	3.0	11.43	75,76,N,NP	A262
	1800	575	145T	W514	145THTN19033		1000:1	\$736	E9	85.5	2.4	11.43	75,76,N,NP	A262
	1200	460	184T	W515	184THTS9076		1000:1	\$1,230	E9	88.5	3.0	13.71	75,N	A182
3	3600	460	182T	W517	182THTS9001		1000:1	\$1,114	E9	87.5	3.8	12.71	75,N	A182
	1800	460	182T	W519	182THTS9026	★	1000:1	\$999	E9	90.2	4.0	12.71	75,N	A182
	1800	575	182T	W520	182THTS19033		1000:1	\$999	E9	90.2	3.2	12.71	75,N	A182
	1200	460	213T	W521	213THFS9076	★	20:1	\$1,515	E9	89.5	4.4	18.22	75	A183
	900	460	215T	W522	215THFS9101		20:1	\$2,269	E9	86.5	5.0	19.72	75,NE	A183

Blue shaded areas are Cast Iron Frames

* **Requires nameplate modification** Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet or exceed U.S. EPAAct and/or NRCan Canadian standards.

Continued on next page.

Blue Chip® Severe Duty / Automotive Duty: GM 7E-TA NEMA Premium® XRI® IEEE-841, Hazardous Duty™

Totally Enclosed, Rigid Base, Three Phase

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE*	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM.	FOOT NOTES	C FACE KIT
5	3600	460	184T	W523	184THFS9001	*	2:1	\$1,238	E9	89.5	5.9	16.19	75	A182
	3600	575	184T	W524	184THFS19006		2:1	\$1,238	E9	89.5	4.7	16.19	75	A182
	1800	460	184T	W525	184THFS9026	*	20:1	\$1,158	E9	90.2	6.2	16.19	75	A182
	1800	575	184T	W526	184THFS9030	*	20:1	\$1,158	E9	90.2	5.0	16.19	75	A182
	1200	460	215T	W527	215THFS9076	*	20:1	\$1,860	E9	89.5	6.9	19.72	75	A183
	1200	575	215T	W528	215THFS19077		20:1	\$1,860	E9	89.5	5.5	19.72	75	A183
	900	460	254T	W529	254THFNA9101			\$2,958	E9	88.5	7.5	23.52	75,NE	A184
7 1/2	3600	460	213T	W530	213THTS9001	*	2:1	\$1,495	E9	91.7	8.9	17.18	75,N	A183
	3600	575	213T	W531	213THTS19005		2:1	\$1,495	E9	91.7	7.1	17.18	75,N	A183
	1800	460	213T	W532	213THFS9026	*	20:1	\$1,419	E9	91.7	9.6	19.73	75	A183
	1800	575	213T	W533	213THFS9030	*	20:1	\$1,419	E9	91.7	7.7	19.72	75	A183
	1200	460	254T	W534	254THFNA9076	*	20:1	\$2,233	E9	91.0	9.9	23.52	75	A184
	900	460	256T	W536	256THFNA9101		20:1	\$3,668	E9	88.5	11.0	25.27	75,NE	A184
	10	3600	460	215T	W537	215THFS9001	*	2:1	\$1,746	E9	91.7	11.9	19.72	75
3600		575	215T	W538	215THFS19006		2:1	\$1,746	E9	91.7	9.5	19.72	75	A183
1800		460	215T	W539	215THFS9026	*	20:1	\$1,709	E9	91.7	12.5	19.72	75	A183
1800		575	215T	W540	215THFS19033	*	20:1	\$1,709	E9	91.7	10.0	19.73	75	A183
1200		460	256T	W541	256THFNA9076		20:1	\$2,727	E9	91.0	13.1	25.27	75	A184
1200		575	256T	W542	256THFNA19081		20:1	\$2,727	E9	91.0	10.5	25.27	75	A184
900		460	284T	W543	284THFNA19102		20:1	\$4,459	E9	90.2	16.0	27.88	NE	A186
15	3600	460	254T	W544	254THFNA9001	*	20:1	\$2,165	E9	91.7	17.5	23.52		A184
	1800	460	254T	W546	254THFNA9026	*	20:1	\$2,033	E9	92.4	18.8	23.52		A184
	1800	575	254T	W547	254THFNA9030	*	20:1	\$2,033	E9	92.4	15.1	23.52		A184
	1200	460	284T	W548	284THFNA9076	*	20:1	\$3,620	E9	91.7	20.4	27.88		A186
	1200	575	284T	W549	284THFNA16585		20:1	\$3,620	E9	91.7	16.3	26.34		A186
	900	460	286T	W550	286THFNA19101		20:1	\$5,594	E9	90.2	22.0	27.84	NE	A186
20	3600	460	256T	W551	256THFNA9001	*	2:1	\$2,683	E9	92.4	23.4	25.27	75	A184
	1800	460	256T	W553	256THFNA9026	*	20:1	\$2,533	E9	93.0	24.1	25.27	75	A184
	1800	575	256T	W554	256THFNA19033	*	20:1	\$2,533	E9	93.0	19.3	25.27	75	A184
	1200	460	286T	W555	286THFNA9076		20:1	\$4,410	E9	91.7	26.8	27.84		A186
	1200	575	286T	W556	286THFNA19077		20:1	\$4,410	E9	91.7	21.4	27.84		A186
25	3600	460	284TS	W558	284TSHFNA9001	*	2:1	\$3,305	E9	93.6	28.1	24.97		A186
	3600	575	284TS	W559	284TSHFNA9005		2:1	\$3,305	E9	93.6	22.4	24.97		A186
	1800	460	284T	W560	284THFNA9026	*	20:1	\$3,015	E9	93.6	31.0	26.44		A186
	1800	575	284T	W561	284THFNA19033		20:1	\$3,015	E9	93.6	24.8	26.34		A186
	1200	460	324T	W562	324THFS9076		20:1	\$5,346	E9	93.0	32.5	28.87		A187
	1200	575	324T	W563	324THFS9080		20:1	\$5,346	E9	93.0	26.0	28.87		A187
30	3600	460	286TS	W565	286TSHFNA9001	*	2:1	\$3,860	E9	93.6	33.8	26.44		A186
	1800	460	286T	W567	286THFNA9026	*	20:1	\$3,507	E9	94.1	36.5	27.84		A186
	1800	575	286T	W568	286THFNA19033		20:1	\$3,507	E9	94.1	29.2	27.84		A186
	1200	460	326T	W569	326THFS9076	*	20:1@	\$6,157	E9	93.0	38.5	30.37		A187
	1200	575	326T	W643	326THFS19078	*	20:1@	\$6,157	E9	93.0	31.0	30.37	d	A187
40	3600	460	324TS	W571	324TSHFS9001	*	2:1	\$5,090	E9	93.6	47.0	27.37		A187
	1800	460	324T	W573	324THFS9026	*	20:1@	\$4,657	E9	94.1	47.5	28.87		A187
	1800	575	324T	W574	324THFS19033		20:1@	\$4,657	E9	94.1	38.0	30.37		A187
	1200	460	364T	W575	364THFS9086		20:1@	\$7,677	E9	93.6	50.0	31.50	NP	A188
	1200	575	364T	W639	364THFS19077		20:1@	\$7,677	E9	93.6	40.0	31.50	NP	A188
	900	460	365T	W576	365THFS19101		20:1@	\$10,946	E9	91.7	53.0	32.50	NE	A188

SEVERE DUTY

Blue shaded areas are Cast Iron Frames

* Requires nameplate modification
@ Requires larger fan

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet or exceed U.S. EPA and/or NRCan Canadian standards.

Continued on next page.

Blue Chip® Severe Duty / Automotive Duty: GM 7E-TA NEMA Premium® XRI® IEEE-841, Hazardous Duty™

Totally Enclosed, Rigid Base, Three Phase

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE*	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM.	FOOT NOTES	C FACE KIT
50	3600	460	326TS	W577	326TSHFS9001		2:1	\$6,584	E9	93.6	58.0	28.87		A187
	3600	575	326TS	W578	326TSHFS9005		2:1	\$6,584	E9	93.6	46.5	28.87		A187
	1800	460	326T	W580	326THFS9026	*	20:1@	\$5,720	E9	94.5	60.0	30.37		A187
	1800	460	326TS	W579	326TSHFS9036		20:1@	\$5,720	E9	94.5	60.0	28.87		A187
	1800	575	326T	W581	326THFS19033		20:1@	\$5,720	E9	94.5	48.0	30.37		A187
	1200	460	365T	W582	365THFS9086	*	20:1@	\$8,816	E9	93.6	61.5	32.50	NP	A188
	1200	575	365T	W640	365THFS19077		20:1@	\$8,816	E9	93.6	49.0	32.50	NP	A188
	900	460	404T	W583	404THFS9101		20:1@	\$12,316	E9	93.6	66.0	35.62	NE	A190
60	3600	460	364TS	W584	364TSHFS9001	*	2:1	\$7,969	E9	94.5	67.0	29.38		A189
	1800	460	364T	W587	364THFS9036	*	20:1@	\$7,549	E9	95.0	69.0	31.50		A188
	1800	460	364TS	W586	364TSHFS9026		20:1@	\$7,549	E9	95.0	69.0	29.38		A189
	1800	575	364T	W588	364THFS19033		20:1@	\$7,549	E9	95.0	55.0	31.50		A188
	1200	460	404T	W589	404THFS9086		20:1@	\$10,330	E9	94.5	72.0	35.62		A190
	900	460	405T	W590	405THFS19101		20:1@	\$13,819	E9	93.6	80.0	37.12	NE	A190
75	3600	460	365TS	W591	365TSHFS9001	*	2:1	\$10,007	E9	94.5	84.0	30.38		A189
	3600	575	365TS	W592	365TSHFS19002		2:1	\$10,007	E9	94.5	67.0	30.38		A189
	1800	460	365T	W594	365THFS9036	*	20:1@	\$9,571	E9	95.4	86.0	32.50		A188
	1800	460	365TS	W593	365TSHFS9026		20:1@	\$9,571	E9	95.4	86.0	30.38		A189
	1800	575	365T	W595	365THFS9044	*	20:1@	\$9,571	E9	95.4	69.0	32.50		A188
	1200	460	405T	W596	405THFS9086		20:1@	\$12,159	E9	95.0	90.0	37.12		A190
	900	460	444T	W597	444THFS9101		20:1@	\$18,375	E9	93.6	100	41.25	NE	A192
	100	3600	460	405TS	W598	405TSHFS9001	*	2:1	\$13,409	E9	95.0	108	34.12	
1800		460	405T	W600	405THFS9036	*	20:1	\$11,824	E9	95.4	113	37.12		A190
1800		460	405TS	W599	405TSHFS9026		20:1@	\$11,824	E9	95.4	113	34.12		A191
1800		575	405T	W601	405THFS9040	*	20:1@	\$11,824	E9	95.4	90.0	37.12		A190
1200		460	444T	W636	444THFN19081		20:1@	\$17,931	E9	95.0	124	41.25		A192
900		460	445T	W603	445THFN9106		20:1@	\$22,518	E9	94.1	142	43.19	NE	A192
125		3600	460	444TS	W604	444TSHFS9001		2:1@	\$17,530	E9	95.4	136	37.50	
	1800	460	444T	W606	444THFS9036		20:1@	\$15,566	E9	95.4	141	41.25		A192
	1800	575	444T	W607	444THFS9040	*	20:1@	\$15,566	E9	95.4	113	41.25		A192
	1200	460	445T	W608	445THFN9086		20:1@	\$20,412	E9	95.0	155	43.19		A192
	900	460	445T	W609	445THFN9102		20:1@	\$23,128	E9	94.5	172	43.19	NE	A194
	150	3600	460	445TS	W610	445TSHFN9001		2:1	\$21,058	E9	95.8	165	39.37	
1800		575	445TS	W611	445TSHFN9026	*	20:1@	\$18,096	E9	95.8	172	39.37		A194
1800		460	445T	W612	445THFN9036	*	20:1@	\$18,096	E9	95.8	172	43.19		A194
1800		575	445T	W641	445THFN19033		20:1@	\$18,096	E9	95.8	138	43.19		A194
1800		575	445T	W613	445THFN9037		20:1@	\$18,096	E9	95.8	138	43.19		A194
1200		460	445T	W614	445THFN9087		20:1@	\$22,839	E9	95.8	181	43.19	H,RB	A194
900		460	L447/9T	W615	449THFS9101		20:1@	\$29,415	E9	95.4	205	51.88	NE	A194
200		3600	460	445TS	W616	445TSHFN9005		2:1@	\$26,639	E9	95.8	223	39.37	H,SL
	1800	460	445T	W618	445THFN9038		20:1@	\$22,009	E9	96.2	226	43.19	RB	A194
	1800	460	445TS	W617	445TSHFN9028		20:1@	\$22,009	E9	96.2	226	39.37		A195
	1800	460	447/9T	W619	449THFS9030		20:1@	\$25,310	E9	96.5	225	51.69		
	1800	575	445T	W642	445THFN19034	*	20:1@	\$25,310	E9	96.2	181	43.19		A194
	1200	460	447/9T	W621	449THFS19092		20:1@	\$27,957	E9	95.8	225	51.84		
	1200	460	447/9T	W622	449THFS9088		20:1@	\$27,957	E9	95.8	240	51.69	RB	
	1200	575	447/449T	W630	449THFS19079		20:1@	\$27,957	E9	95.8	192	51.69	RB	

Blue shaded areas are Cast Iron Frames

* Requires nameplate modification
@ Requires larger fan

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet or exceed U.S. EPA and/or NRCan Canadian standards.

Continued on next page.

Blue Chip® Severe Duty / Automotive Duty: GM 7E-TA NEMA Premium® XRI® IEEE-841, Hazardous Duty™

Totally Enclosed, Rigid Base, Three Phase

HP	RPM	VOLTS	FRAME	CAT. NO.	MODEL NO.	STOCK	CT SPEED RANGE*	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	"C" DIM.	FOOT NOTES	C FACE KIT
250	3600	460	447/9TS	W624	449TSHFS9003		2:1	\$33,596	E9	96.5	2700	47.94		N/A
	1800	460	447/9T	W626	449THFS9028		20:1@	\$31,755	E9	96.5	2830	51.69		N/A
300	1800	460	447/9T	W632	449THFS9027		20:1@	\$32,390	E9	96.5	3211	51.84		
350	3600	460	447/9TS	W634	449TSHFS9001		2:1	\$49,938	E9	96.2	3064	47.94	SL	
	1800	460	447/9T	W635	449THFS9036		2:1	\$41,174	E9	96.2	3350	51.84	RB,SL	

Blue shaded areas are Cast Iron Frames

* Requires nameplate modification
@ Requires "R164" rework (reduces efficiency)

Catalog numbers (Cat No.) highlighted in bold blue have efficiency levels that meet or exceed U.S. EPA and/or NRC Canadian standards.

SEVERE DUTY