

# Hazardous Duty™ Explosion Proof, Three Phase Blue Chip® Severe Duty

Class I Group D (Group C as noted), Class II Groups F & G, Rigid Base



**Applications:** For use on fans, blowers, pumps, compressors, machine tools, and other equipment installed in hazardous environments as defined by the motor's explosion proof class and group rating. Consult the National Electrical Code and your local regulations for the proper selection of motors in hazardous locations.

- Features:**
- 1.15 Service Factor on sinewave
  - 10:1 Variable torque, constant torque speed range as indicated @ 1.0 SF
  - Class F insulation
  - CR<sup>200</sup> Corona Resistant, 200°C rated magnet wire
  - Ball Bearings, except where noted
  - All cast iron construction
  - Normally closed thermostats (must be connected to control circuit)
  - Meets temperature code T3B
  - All cast iron construction
  - Shaft slinger
  - External surface treated with epoxy
  - Nameplated 60/50 hertz, 190/380 volts, at next lower horsepower (575 volt excluded)
  - See Modification section for addition of C-Face Kits (254T-445T)
  - Meets IEEE45 USCG Marine Duty, IP 54 construction
  - Contact Marathon Electric for F2 mounting
  - UL Listed File No. E12044
  - CSA Certified File No. LR21839 and LR47504
  - Two year warranty



**IP54**



EXPLOSION PROOF

HP	RPM	VOLTS	FRAME	GROUP C	CAT. NO.	MODEL NO.	CT SPEED RANGE	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	APPROX. WGT. LBS.	"C" DIM.	FOOT NOTES
<b>3/4</b>	1200	208-230/460	143T	N	H350★	143TTGN7076	10:1	<b>\$674</b>	E7	74.0	3.1-3.2/1.6	53	12.48	25,80,91
<b>1</b>	1800	208-230/460	143T	N	<b>U001★</b>	143TTGN4026	10:1	<b>\$643</b>	E7	82.5	3.0-3.0/1.5	55	13.48	25,80,91
	1800	575	143T	N	<b>U020★</b>	143TTGN4030	10:1	<b>\$643</b>	E7	82.5	1.2	55	13.48	25,80
	1800	208-230/460	143T	Y	<b>U986</b>	143TTGN4032	10:1	<b>\$775</b>	E7	82.5	3.0-3.0/1.5	55	13.48	25,80,91
	1200	208-230/460	145T	N	<b>U039★</b>	145TTGN4076	10:1	<b>\$775</b>	E7	80.0	3.6-3.4/1.7	59	14.73	25,80,91
<b>1 1/2</b>	3600	208-230/460	143T	N	<b>U058★</b>	143TTGN4001	10:1	<b>\$689</b>	E7	82.5	4.4-4.0/2.0	64	13.48	25,80,91
	1800	208-230/460	145T	N	<b>U002★</b>	145TTGN4026	10:1	<b>\$686</b>	E7	84.0	4.6-4.4/2.2	75	14.73	25,80,91
	1800	575	145T	N	<b>U021★</b>	145TTGN4035	10:1	<b>\$686</b>	E7	84.0	1.8	75	14.73	25,80
	1800	208-230/460	145T	Y	<b>U987</b>	145TTGN4051	10:1	<b>\$825</b>	E7	84.0	4.6-4.4/2.2	75	14.73	25,80,91
<b>2</b>	1200	208-230/460	182T	N	<b>U040★</b>	182TTGS4076	10:1	<b>\$808</b>	E7	85.5	5.0-5.0/2.5	82	17.44	25,91
	3600	208-230/460	145T	N	<b>U059★</b>	145TTGN4001	10:1	<b>\$808</b>	E7	84.0	5.6-5.2/2.6	63	13.48	25,80,91
	1800	208-230/460	145T	N	<b>U003★</b>	145TTGN4027	10:1	<b>\$726</b>	E7	85.5	6.2-6.0/3.0	77	14.73	25,80,91
	1800	575	145T	N	<b>U022★</b>	145TTGN4040	10:1	<b>\$726</b>	E7	85.5	2.4	77	14.73	25,80
<b>3</b>	1800	208-230/460	145T	Y	<b>U988</b>	145TTGN4050	10:1	<b>\$874</b>	E7	84.0	6.0-5.6/2.8	75	14.73	25,80,91
	1200	208-230/460	184T	N	<b>U041★</b>	184TTGS4076	10:1	<b>\$914</b>	E7	86.5	6.4-6.0/3.0	130	17.44	25,91
	3600	208-230/460	182T	N	<b>U060★</b>	182TTGS4001	10:1	<b>\$836</b>	E7	85.5	8.4-7.4/3.7	90	16.19	25,91
	1800	208-230/460	182T	N	<b>U004★</b>	182TTGS4026	10:1	<b>\$828</b>	E7	87.5	9.0-8.4/4.2	98	16.19	25,91
<b>5</b>	1800	575	182T	N	<b>U023★</b>	182TTGS4030	10:1	<b>\$828</b>	E7	87.5	3.4	98	16.19	25
	1800	208-230/460	182T	Y	<b>U989</b>	182TTGS4041	10:1	<b>\$996</b>	E7	87.5	9.0-8.4/4.2	98	17.44	25,91
	1200	230/460	213T	N	<b>U042★</b>	213TTGS4076	10:1	<b>\$1,171</b>	E7	87.5	9.0/4.5	180	19.66	25
	3600	208-230/460	184T	N	<b>U061★</b>	184TTGS4001	10:1	<b>\$1,016</b>	E7	87.5	13.0-12.4/6.2	146	17.44	25,91
<b>7 1/2</b>	1800	208-230/460	184T	N	<b>U005★</b>	184TTGS4026	10:1	<b>\$908</b>	E7	86.5	14.0-13.0/6.5	142	17.44	25,91
	1800	575	184T	N	<b>U024★</b>	184TTGS4030	10:1	<b>\$908</b>	E7	86.5	5.2	142	17.44	25
	1800	208-230/460	184T	Y	<b>U990</b>	184TTGS4044	10:1	<b>\$1,093</b>	E7	86.5	14.0-13.0/6.5	142	17.44	25,91
	1200	230/460	215T	N	<b>U043★</b>	215TTGS4076	10:1	<b>\$1,501</b>	E7	87.5	14.0/7.0	200	20.91	25
<b>7 1/2</b>	3600	208-230/460	213T	N	<b>U062★</b>	213TTGS4001	10:1	<b>\$1,295</b>	E7	88.5	20.0-19.0/9.5	230	20.91	25,91
	1800	208-230/460	213T	N	<b>U006★</b>	213TTGS4026	10:1	<b>\$1,229</b>	E7	89.5	22.0-20.0/10.0	200	19.66	25,91
	1800	575	213T	N	<b>U025★</b>	213TTGS4030	10:1	<b>\$1,229</b>	E7	89.5	8.0	200	19.66	25
	1800	208-230/460	213T	Y	<b>U991</b>	213TTGS4040	10:1	<b>\$1,479</b>	E7	89.5	22.0-20.0/10.0	200	20.91	25,91
1200	230/460	254T	Y	<b>U044★</b>	254TTGN4076	10:1	<b>\$1,958</b>	E7	89.5	20.0/10.0	390	23.52		

Blue shaded areas are Cast Iron Frames

★ **Stock Model**

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

**Footnotes:**

- 25 Motor will not accept C-Face kits
- 80 Rolled steel fan guard on 143T-145T
- 91 Suitable for use on VFD at 208 volt

Continued on next page.

# Hazardous Duty™ Explosion Proof, Three Phase Blue Chip® Severe Duty

Class I Group D (Group C as noted), Class II Groups F & G, Rigid Base

HP	RPM	VOLTS	FRAME	GROUP C	CAT. NO.	MODEL NO.	CT SPEED RANGE	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	APPROX. WGT. LBS.	"C" DIM.	FOOT NOTES
<b>10</b>	3600	230/460	215T	Y	<b>U063</b> *	215TTGS4001	10:1	\$1,470	E7	90.2	24.0/12.0	190	20.91	25
	1800	208-230/460	215T	N	<b>U007</b> *	215TTGS4026	2:1	\$1,433	E7	89.5	28.1-25.0/12.5	195	20.91	25,91
	1800	575	215T	N	<b>U026</b> *	215TTGS4030	2:1	\$1,433	E7	89.5	10.0	195	20.91	25
	1800	230/460	215T	Y	<b>U992</b>	215TTGS4039	2:1	\$1,725	E7	89.5	25.0/12.5	195	20.91	25
	1200	230/460	256T	Y	<b>U045</b> *	256TTGN4076	10:1	\$2,362	E7	89.5	26.0/13.0	400	25.27	
<b>15</b>	3600	230/460	254T	Y	<b>U064</b> *	254TTGP4001	10:1	\$1,914	E7	90.2	36.0/18.0	252	23.69	
	1800	208-230/460	254T	Y	<b>U008</b> *	254TTGN4026	10:1	\$1,836	E7	91.0	42.0-39.0/19.5	365	23.52	91
	1800	575	254T	Y	<b>U027</b> *	254TTGN4030	10:1	\$1,836	E7	91.0	15.6	365	23.52	
	1200	208-230/460	284T	Y	<b>U046</b> *	284TTGN4076	10:1	\$3,280	E7	90.2	43.0-40.0/20.0	525	26.34	
<b>20</b>	3600	208-230/460	256T	Y	<b>U065</b> *	256TTGN4001	10:1	\$2,412	E7	90.2	52.0-47.0/23.5	350	25.27	91
	1800	208-230/460	256T	Y	<b>U009</b> *	256TTGN4026	2:1	\$2,197	E7	91.0	53.5-50.0/25.0	400	25.27	91
	1800	575	256T	Y	<b>U028</b> *	256TTGN4030	2:1	\$2,197	E7	91.0	20.0	400	25.27	
	1200	208-230/460	286T	Y	<b>U047</b> *	286TTGN4076	10:1	\$3,825	E7	90.2	57.0-54.0/27.0	545	27.84	
<b>25</b>	3600	230/460	284TS	Y	<b>U066</b> *	284TSTGP4001	10:1	\$3,113	E7	91.0	60.0/30.0	400	24.89	
	1800	208-230/460	284T	Y	<b>U010</b> *	284TTGP4026	2:1	\$2,795	E7	92.4	67.0-62.0/31.0	450	26.26	91
	1800	208-230/460	284TS	Y	<b>U076</b>	284TSTGP4036	2:1	\$2,795	E7	92.4	67.0-62.0/31.0	450	24.89	91
	1800	575	284T	Y	<b>U029</b>	284TTGP4030	2:1	\$2,795	E7	92.4	24.8	450	26.26	
	1200	230/460	324T	Y	<b>U048</b> *	324TTGP4076	10:1	\$4,833	E7	91.7	67.0/33.5	700	28.97	
<b>30</b>	3600	230/460	286TS	Y	<b>U067</b> *	286TSTGP4001	2:1	\$3,355	E7	91.0	72.0/36.0	494	26.39	
	1800	208-230/460	286T	Y	<b>U011</b> *	286TTGP4026	2:1	\$3,241	E7	92.4	81.0-74.0/37.0	496	27.76	91
	1800	208-230/460	286TS	Y	<b>U077</b>	286TSTGP4036	2:1	\$3,241	E7	92.4	81.0-74.0/37.0	496	26.39	87,91
	1800	575	286T	Y	<b>U030</b>	286TTGP4030	2:1	\$3,241	E7	92.4	29.6	496	27.76	87
	1200	230/460	326T	Y	<b>U049</b>	326TTGS4076	2:1	\$5,655	E7	91.7	76.0/38.0	700	30.47	
<b>40</b>	3600	230/460	324TS	Y	<b>U068</b> *	324TSTGP4001	2:1	\$4,517	E7	91.7	95.0/47.5	584	27.47	
	1800	230/460	324T	Y	<b>U012</b> *	324TTGP4026	2:1	\$4,315	E7	93.0	100/50.0	520	28.97	
	1800	230/460	324TS	Y	<b>U078</b>	324TSTGP4036	2:1	\$4,315	E7	93.0	100/50.0	520	27.47	17,87
	1800	575	324T	Y	<b>U031</b>	324TTGP4030	2:1	\$4,315	E7	93.0	40.0	520	28.97	17,87
	1200	230/460	364T	Y	<b>U050</b> *	364TTGS4086	2:1	\$7,357	E7	93.0	103/51.5	960	31.50	
<b>50</b>	3600	230/460	326TS	Y	<b>U069</b> *	326TSTGP4001	2:1	\$5,837	E7	92.4	115/57.5	500	28.97	
	1800	230/460	326T	Y	<b>U013</b> *	326TTGP4026	2:1	\$5,253	E7	93.0	122/61.0	675	30.47	17,87
	1800	230/460	326TS	Y	<b>U079</b>	326TSTGP4036	2:1	\$5,253	E7	93.0	122/61.0	675	28.97	17,87
	1800	575	326T	Y	<b>U032</b>	326TTGP4030	2:1	\$5,253	E7	93.0	49.0	675	30.47	17,87
	1200	230/460	365T	Y	<b>U092</b> *	365TTGS4091	2:1	\$8,342	E7	93.0	127/63.5	1122	32.50	
<b>60</b>	3600	230/460	364TS	Y	<b>U070</b> *	364TSTGS4001	2:1	\$8,342	E7	93.0	142/71.0	971	29.38	
	1800	230/460	364TS	Y	<b>U080</b>	364TSTGS4026	2:1	\$7,632	E7	93.6	144/72.0	1000	29.38	87,17
	1800	575	364T	Y	<b>U033</b>	364TTGS4040	2:1	\$7,632	E7	93.6	57.5	1000	31.50	87
	1800	230/460	364T	Y	<b>U093</b> *	364TTGS4046	2:1	\$7,632	E7	93.6	144/72.0	1000	31.50	
	1200	230/460	404T	Y	<b>U089</b> *	404TTGS4087	2:1	\$9,944	E7	93.6	149/74.5	1324	35.62	
<b>75</b>	3600	230/460	365TS	Y	<b>U071</b> *	365TSTGS4001	2:1	\$9,641	E7	93.0	171/85.5	950	30.38	
	1800	230/460	365TS	Y	<b>U081</b>	365TSTGS4026	2:1	\$9,390	E7	94.1	178/89.0	1094	30.38	87
	1800	575	365T	Y	<b>U034</b>	365TTGS4040	2:1	\$9,390	E7	94.1	71.0	1094	32.50	87
	1800	230/460	365T	Y	<b>U094</b> *	365TTGS4046	2:1	\$9,390	E7	94.1	178/89.0	1094	32.50	
	1200	230/460	405T	Y	<b>U088</b> *	405TTGS4087	2:1	\$11,565	E7	93.6	185/92.5	1398	37.12	

EXPLOSION PROOF

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★ Stock Model

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**Footnotes:**

17 1.0 Service Factor  
25 Motor will not accept C-Face Kits

87 10:1 Constant torque available as build-up, refer to marketing for price and availability  
91 Suitable for use on VFD at 208 volt

Continued on next page.

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Class I Group D (Group C as noted), Class II Groups F & G, Rigid Base

HP	RPM	VOLTS	FRAME	GROUP C	CAT. NO.	MODEL NO.	CT SPEED RANGE	LIST PRICE	MULT. SYMB.	NOM. EFF.	F.L. AMPS	APPROX. WGH. LBS.	"C" DIM.	FOOT NOTES
<b>100</b>	3600	230/460	405TS	Y	<b>U096</b>	405TSTGS4003	2:1	\$13,042	E7	94.1	224/112	1263	34.12	
	1800	230/460	405TS	Y	<b>U082</b>	405TSTGS4026	2:1	\$11,546	E7	94.5	228/114	1365	34.12	87
	1800	575	405T	Y	<b>U035</b>	405TTGS4040	2:1	\$11,546	E7	94.5	91.0	1365	37.12	87
	1800	230/460	405T	Y	<b>U097</b> *	405TTGS4046	2:1	\$11,546	E7	94.5	228/114	1365	37.12	
	1200	230/460	444T	Y	<b>U095</b> *	444TTGS4087	2:1	\$16,074	E7	94.1	238/119	1839	41.25	
<b>125</b>	3600	460	444TS	Y	<b>U073</b>	444TSTGS4003	2:1	\$18,003	E7	94.5	137	1779	37.50	
	1800	460	444TS	Y	<b>U083</b>	444TSTGS4026	2:1	\$14,912	E7	94.5	142	1808	37.50	87
	1800	460	444T	Y	<b>U085</b>	444TTGS4038	2:1	\$14,912	E7	94.5	142	1808	41.25	
	1800	575	444T	Y	<b>U036</b>	444TTGS4042	2:1	\$14,912	E7	94.5	113	1808	41.25	87
	1200	460	445T	Y	<b>U055</b>	445TTGS4086	2:1	\$19,021	E7	94.5	152	2225	43.19	87
<b>150</b>	3600	460	445TS	Y	<b>U074</b>	445TSTGN4001	2:1	\$21,073	E7	95.4	167	2188	39.44	87
	1800	460	445T	Y	<b>U018</b> *	445TTGN4037	10:1	\$17,628	E7	95.0	172	2250	43.19	
	1800	460	445TS	Y	<b>U084</b>	445TSTGN4027	10:1	\$17,628	E7	95.0	172	2250	39.44	
	1800	575	445T	Y	<b>U037</b>	445TTGN4030	10:1	\$18,417	E7	95.0	138	2250	43.19	
	1200	460	445T	Y	<b>U090</b>	445TTGN4087	2:1	\$20,698	E7	95.0	182	2384	43.19	RB,13,87
<b>200</b>	3600	460	445TS	Y	<b>U075</b>	445TSTGN4005	2:1	\$25,713	E7	95.0	222	2395	39.44	87
	1800	460	445T	Y	<b>U019</b>	445TTGN4053	2:1	\$20,837	E7	95.0	225	2384	43.19	RB
	1800	575	445T	Y	<b>U038</b>	445TTGN4045	2:1	\$20,837	E7	95.0	180	2384	43.19	RB,87
	1200	460	447/9T	Y	<b>U091</b>	449TTGS4088	2:1	\$24,957	E7	95.0	243	2878	51.69	RB,87
<b>250</b>	3600	460	447/9TS	N	H513	449TSTGS7003	---	\$28,379	E7	95.0	280	2450	47.94	17,87
	1800	460	447/9T	Y	H502	449TTGS7068	---	\$23,450	E7	95.0	290	2600	51.69	RB,17,87
<b>300</b>	1800	460	447/9T	Y	H503	449TTGS7037	2:1	\$26,115	E7	95.4	338	3032	51.69	RB,17,87
<b>350</b>	1800	460	447/9T	N	H504	449TTGS7036	---	\$29,288	E7	95.4	400	3280	51.69	17,87

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\* Stock Model

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EXPLOSION PROOF

**Footnotes:**

RB Roller Bearing on shaft end for belted load only  
13 F1 Mounting Only, Cannot reassemble to F2

17 1.0 Service Factor  
87 10:1 Constant torque available as build-up, refer to marketing for price and availability