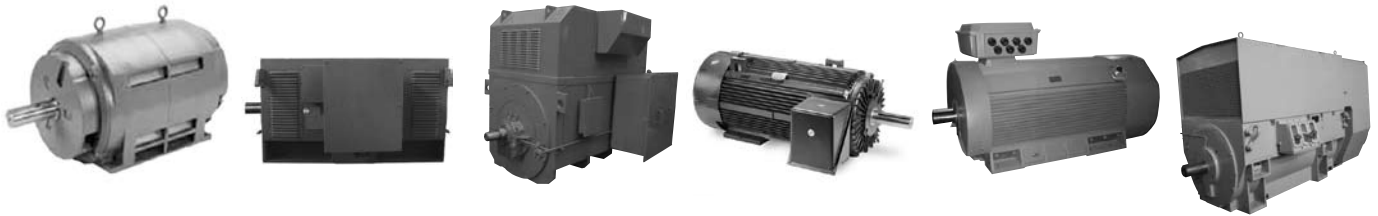


Medium Voltage Motors

Marathon Electric's Medium Voltage motors are available through 3000 horsepower, and through 13.2 kV (13,200 volts). Enclosures include Dripproof (ODP), WPI, WPII, Totally Enclosed Fan Cooled (TEFC), Totally Enclosed Air-to-Air Cooled (TEAAC) and Totally Enclosed Water-to-Air Cooled (TEWAC). Contact Marathon Electric for a quotation on any ratings or configurations not listed below.



<p>Marathon MV ODP NEMA Range: 125-700HP Voltage: 2300/4000v Pole: 2-, 4-, 6-, 8-pole Phase: 60 Hertz Frame: 449T-510U NEMA Protection: IP23 Ambient: 400 C Insulation: Class H VPI Construction: CI Performance: MG1 Bearings: Anti-Friction Service Factor: 1.15 Inverter: Yes Warranty: 12/18 mo.</p>	<p>Marathon MV WPI IEC Range: 250-3000HP Voltage: 2300/4000V Pole: 2-, 4-, 6-, pole Phase: 60 Hertz Frame: 355-630 IEC Protection: IP23 Ambient: 400 C Insulation: Class F VPI Construction: Fab Performance: IEC Bearings: Anti-Friction Service Factor: 1.15 Inverter: Yes Warranty: 12/24 mo.</p>	<p>Marathon MV WPII IEC Range: 250-3000HP Voltage: 2300/4000V Pole: 2-,4-,6- pole Phase: 60 Hertz Frame: 355-630 IEC Protection: IPW23 Ambient: 400 C Insulation: Class F VPI Construction: Fab Performance: IEC Bearings: Anti-Friction Service Factor: 1.15 Inverter: Yes</p>	<p>Marathon MV TEFC NEMA Range: 200-750HP Voltage: 2300/4000v Pole: 2-, 4-, 6-, pole Phase: 60 Hertz Frame: 5011-5013 NEMA Protection: IP55 Ambient: 400 C Insulation: Class H VPI Construction: CI Performance: MG1 Bearings: Anti-Friction Service Factor: 1.15 Inverter: Yes Warranty: 12/18 mo.</p>	<p>Marathon MV TEFC IEC Range: 250-2500HP Voltage: 2300/4000V Pole: 2-, 4-, 6-, pole Phase: 60 Hertz Frame: 355-560 IEC Protection: IP55 Ambient: 400 C Insulation: Class F VPI Construction: CI Performance: IEC Bearings: Anti-Friction Service Factor: 1.15 Inverter: Yes</p>	<p>Marathon MV TEAAC IEC Range: 300-3000 HP Voltage: 2300/4000V Pole: 2-,4-,6- pole Phase: 60 Hertz Frame: 355-630 IEC Protection: IP44 Ambient: 400 C Insulation: Class F VPI Construction: Fab Performance: IEC Bearings: Anti-Friction Service Factor: 1.15 Inverter: Yes</p>
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Features:

	Dripproof, 449-510 frame	Totally Enclosed, 449 frame	Totally Enclosed, 5000 frame
NEMA Premium efficiencies as noted (Table 12-13)	X	X	X
Cast iron construction B-10 life on direct-coupled loads	X	X	X
Open Conrad radial ball bearings rated for 100,000 hour B-10 life on direct-coupled loads			
Roller bearing for belted loads	OPT	OPT	OPT
Oversized, fabricated steel conduit box	X		
Oversized, cast iron conduit box		X	X
1.15 Service Factor as available (consult factory)	OPT	OPT	OPT
Class H insulation and form wound coils	X	X	X
Epoxy, 100% solids, Vacuum Pressure Impregnation (VPI) resin	X	X	X
Grease fittings with extended grease tubes		X	X
Internal and external epoxy finish		X	X
Front and rear cast iron bearing caps		X	X
Actual test and vibration data included with each order		X	X
CSA Certified for Div. 2/Zone 2, Group A, B, C, D and Group IIA, IIB, IIC		X	X
Temp Code T3 @ 1.0 Service Factor		X	
Temp Code T2C @ 1.0 Service Factor			X
Temp Code T2B @ 1.15 Service Factor		X	X
IEEE-841 features		OPT	OPT
Provisions for jacking bolts in all four feet			X
Rotating shaft seals, InproR Smart Rings on each end			X
Provisions for dowel pins in drive end feet			X
Ground provisions on foot and in the conduit box			X
Dedicated 5009 frame for vertical applications			X
Frames drilled with four sets of footholes, 5009, 5010, 5011, 5012			X

Medium Voltage Motors

Multiplier Symbol S4

HP	RPM	DRIPPROOF				TOTALLY ENCLOSED			
		NEMA PREMIUM	FRAME	CAT. NO.	LIST PRICE	NEMA PREMIUM	FRAME	CAT. NO.	LIST PRICE
100	900	N/A	---	---	---	N/A	447/9T	Y255	\$43,158
125	1800	N/A	---	---	---	N/A	L447/9T	Y256	\$36,119
	1200	N/A	---	---	---	N/A	447/9T	Y257	\$45,724
	900	N/A	449T	Y948	\$31,132	N/A	5011LS	Y913	\$49,857
150	3600	N/A	---	---	---	N/A	447/9TS	Y903	\$39,381
	1800	N/A	---	---	---	N/A	L447/9T	Y900	\$37,613
	1200	N/A	---	---	---	N/A	447/9T	Y904	\$47,344
	900	N/A	508U	Y949	\$35,921	N/A	5011LS	Y914	\$54,187
200	3600	N/A	---	---	---	N/A	L447/9TS	Y905	\$41,896
	1800	N/A	449T	Y950	\$30,012	N/A	L447/9T	Y901	\$39,999
	1200	N/A	449T	Y958	\$32,753	N/A	L447/9T	Y906	\$47,895
	1200	N/A	---	---	---	N/A	5011LS	Y920	\$48,787
	900	N/A	508U	Y250	\$41,535	N/A	5011LS	Y915	\$57,199
250	3600		449TS	Y954	\$36,228		5011S	Y258	\$51,974
	1800		449T	Y951	\$31,588	Y	L447/9T	Y902	\$43,482
	1200		508U	Y955	\$34,482	Y	L447/9T	Y907	\$52,961
	1200		---	---	---	Y	5011LX	Y921	\$54,337
	900	N/A	510U	Y251	\$45,145	N/A	5011LS	Y916	\$58,858
300	3600		449TS	Y956	\$37,662		5011S	Y259	\$53,553
	1800		---	---	---	Y	L447/9T	Y908	\$48,948
	1800		508U	Y952	\$34,474	Y	5011LS	Y922	\$51,020
	1200		508U	Y942	\$37,392	Y	5011LS	Y923	\$57,628
	900	N/A	510U	Y252	\$58,487	N/A	5013LS	Y917	\$67,835
350	3600		449TS	Y957	\$39,110		5011S	Y260	\$54,343
	1800		508U	Y953	\$35,721	Y	5011LS	Y924	\$51,735
	1200		508U	Y943	\$40,361	Y	5011LS	Y925	\$59,957
	1200		---	---	---	Y	5011LX	Y935	\$63,276
	900	N/A	---	---	---	N/A	5013LS	Y918	\$76,011
400	3600		449TS	Y910	\$40,056		5011S	Y261	\$59,902
	1800	Y	508U	Y940	\$36,945	Y	5011LS	Y926	\$55,336
	1800		---	---	---	Y	5011LX	Y936	\$58,627
	1200	Y	510U	Y944	\$50,187	Y	5011LS	Y927	\$65,785
	900	N/A	---	---	---	N/A	5013LS	Y912	\$91,545
450	3600		---	---	---		5011S	Y263	\$61,908
	1800	Y	508US	Y911	\$43,849	Y	5011LS	Y928	\$58,940
	1800	Y	510U	Y941	\$39,863	Y	5011LX	Y937	\$62,229
	1200	Y	510U	Y945	\$58,875	Y	5013LS	Y929	\$71,424
	900	N/A	---	---	---	N/A	5013LS	Y262	\$94,780
500	1800	Y	510U	Y946	\$48,500	Y	5011LS	Y930	\$64,832
	1800		---	---	---	Y	5011LX	Y938	\$68,124
	1200	Y	510U	Y947	\$71,757	Y	5013LS	Y931	\$76,224
600	1800	N/A	510U	Y253	\$59,182	N/A	5011LS	Y932	\$85,132
	1800	N/A	---	---	---	N/A	5011LX	Y939	\$88,423
700	1800	N/A	510U	Y254	\$62,269	N/A	5013LS	Y933	\$91,048
800	1800		---	---	---	N/A	5013LS	Y934	\$97,669

MEDIUM VOLTAGE