



## MICROMAX MARATHON AC MOTORS

### INVERTER DUTY MOTORS 1/8 TO 10 HP, 1800 RPM

MicroMAX inverter (Vector) duty motors offer 1000:1 constant torque (TENV), 20:1 constant torque (TEFC) in a totally enclosed design. This three phase motor is designed for direct replacement of PMDC or any other variable speed applications where up to 1000:1 constant torque speed range is required.

#### FEATURES

- Designed to replace PMDC motors (when used with a VFD)
- Constant horsepower to twice base speed (RPM)
- Class H insulation with CR200 Corona Resistant 200°C-rated magnet wire
- Removable base for C-Face footless mounting, as noted
- Continuous duty at 40°C ambient
- “Quick Connect” terminal board, as noted
- Top mounted conduit box as found on PMDC motors
- Eliminates brush and commutator maintenance
- UL Recognized, CSA Certified, and CE Mark



**Marathon MicroMax Motors are the ideal solution for machine tools, conveyors, packaging machines, batching machines, and printing equipment.**



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### SPECIFICATIONS

#### C-Face with Feet

HP	RPM	Volts	Enclosure	NEMA Frame	F.L. Amps	Approx. Shipping Weight (lb)	Model No.	Footnotes
1/8	1800	230	TENV	56C	0.7	18	MTRY605	1
1/4	1800	230	TENV	56C	1.0	17	MTRY500	1
1/3	1800	230	TENV	56C	1.2	17	MTRY502	1
1/2	1800	230/460	TENV	56C	1.8/0.9	24	MTRY360	
3/4	1800	230/460	TEFC	56C	2.8/1.4	21	MTRY362	
1	1800	230/460	TEFC	56C	3.2/1.6	27	MTRY364	
1 1/2	1800	230/460	TENV	145TC	4.8/2.4	49	MTRY366	2
2	1800	230/460	TEFC	145TC	5.8/2.9	50	MTRY368	2
3	1800	230/460	TEFC	182/145TC	8.4/4.2	52	MTRY370	3, 4
	1800	230/460	TEFC	182C	8.4/4.2	76	MTRY1999	2, 5
5	1800	230/460	TEFC	184TC	13.0/6.5	92	MTRY1372	2
7 1/2	1800	230/460	TEFC	213TC	21.4/10.7	98	MTRY994	2
10	1800	230/460	TEFC	215TC	27.6/13.8	125	MTRY996	2

#### C-Face, Round Frame, No Feet

HP	RPM	Volts	Enclosure	NEMA Frame	F.L. Amps	Approx. Shipping Weight (lb)	Model No.	Footnotes
1/8	1800	230	TENV	56C	0.7	15	MTRY606	1
1/4	1800	230	TENV	56C	1.0	16	MTRY501	1
1/3	1800	230	TENV	56C	1.2	17	MTRY503	1
1/2	1800	230/460	TENV	56C	1.8/0.9	24	MTRY374	
3/4	1800	230/460	TEFC	56C	2.8/1.4	21	MTRY376	
1	1800	230/460	TEFC	56C	3.2/1.6	27	MTRY378	

- 1: "Quick Connect" terminal board
- 2: Bolt-on removable base for footless mounting option
- 3: 2:1 CT (Constant Torque) speed range
- 4: 182T base and shaft height, 145C mounting face and shaft dimensions
- 5: F1 Mounting only, cannot reassemble to F2

**YASKAWA AMERICA INC.**  
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