MARATHON® BLACK MAX®-PM AC MOTORS

TENV AND TEFC THREE-PHASE
INDUSTRIAL, CAST IRON FRAME (NEMA 182-286T FRAME MODELS)

FEATURES

- Permanent magnet AC motors requires an AC inverter for operation
- Marathon drive available easy selection
- IP54 (IP43 Rolled Steel) as standard with IP55 and IP56 as optional
- Bearing Current Protection BCP (SGR) inside stock motors
- Ultra Efficient™ Premium-Plus exceeds NEMA Premium®* (IE4)
- Class H MAX GUARD® insulation system (Cast Iron Frames only)
- Class F MAX GUARD insulation system in Rolled Steel Frames
- Available in Cast Iron & Rolled Steel construction
- Severe Duty, TEFC, TENV and TEBC are available
- Provisions for encoder mounting
- Precision balanced rotor assemblies
- Normally closed thermostats (One per phase, Class F)
- High power density, low weight design
- Optional terminal block, Consult Factory
- UL®*, CSA®* and CE®*
- Five year warranty

C-FACE FOOTED (RIGID BASE)

HP	RPM	VOLTS	NEMA FRAME	TORQUE (LB-FT)	CAT. NO.	MODEL NO.	STOCK	NOM. EFF.	F.L. AMPS	WT.	"C" DIM.	LOW VOLTAGE DRIVE OPTION (CAT#)	HIGH VOLTAGE DRIVE OPTION (CAT#)	FOOT NOTES
3	1800	230/460	182TC	8.8	**SY006A**	182TPNSB10237	√	92.9	6.8/3.4	137	17.50	184065.00M	184011.00M	N
	1800	230/460	182TC	8.8	**SY066**	182TPFRB10194	√	91.4	6.6/3.3	110	16.42	184065.00M	184011.00M	
	1200	230/460	182TC	13.1	**SY036**	182TPFRB10181	√	93.0	7.0/3.5	116	16.42	184065.00M	184011.00M	
5	1800	230/460	184TC	14.6	**SY007A**	184TPNSB10236	√	94.9	11.6/5.8	140	17.50	184003.00M	176132.00M	
	1800	230/460	184TC	14.6	**SY067**	184TPFRB10214	√	93.9	11.7/5.8	130	16.42	184003.00M	176132.00M	
7 1/2	1800	230/460	213TC	21.9	**SY008A**	213TPNSB10234	√	94.3	18.6/9.3	190	20.41	174661.00M	176146.00M	N
	1800	230/460	213TC	21.9	**SY068**	213TPFRB10230	√	94.1	16.6/8.3	125	19.47	174661.00M	176146.00M	
10	1800	230/460	215TC	29.2	**SY009A**	215TPNSB10235	√	93.9	24.6/12.3	208	20.41	186011.00M	184015.00M	N
	1800	230/460	215TC	29.2	**SY069**	215TPFRB10219	√	94.5	24.7/12.4	139	20.97	186011.00M	184015.00M	
15	1800	460	254TC	43.8	**SY010**	254TPFSA10088	√	94.0	18.0	392	25.68	-	176149.00M	
20	1800	460	256TC	58.4	**SY011**	256TPFSA10087	√	94.5	24.0	386	25.68	-	176149.00M	
25	1800	460	284TC	72.9	**SY012**	284TPFSA10112	√	94.5	30.0	408	26.21	-	186121.00M	
30	1800	460	286TC	87.5	**SY013**	286TPFSA10090	√	95.4	35.5	456	27.71	-	186121.00M	

√: Available ¶- Stocked components, Ready to build Blank: Build Up rating, subject to lead time

Catalog numbers (Cat No.) highlighted in bold blue are premium efficient.
Blue shaded areas are cast iron frames.