

Azure™ Digi-Motor®

5½ inch dia. MARS SERIES 116



AZURE™ Digi-Motor®

Ball Bearing

The Azure™ Digi-Motor® from MARS is a high efficiency variable speed direct drive blower motor for a multitude of applications. Azure™ is a replacement for both standard PSC and Genteq X-13 motors. Two motors cover ratings from 1/5 HP to 1 HP at 115V or 230V and CW or CCW.

Azure™ features an auto sizing learn mode. In start-up learn mode, Azure™ runs or approximately 2 minutes measuring the external static pressure of the system application. Azure™ then assigns torque values to each of its speed taps self-programming itself to the correct horsepower for the application.

If none of the four speeds provides perfect airflow for the application or if duplicate speeds are desired on 2 or more taps, an optional hand held programmer (MARS No. 08502) can be used. The programmer connects to Azure™ and displays the percentage of torque applied to the speed tap being energized. The percentage (motor speed) can then be increased or decreased and permanently set with the programmer. This tool overrides the motor torques established in the auto sizing mode.

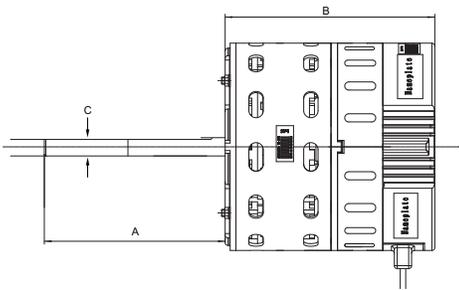
Unlike other electronically commutated motors, an outboard surge protector is included within Azure's™ wire harness. This is a replaceable device (MARS No. 08593).

Features:

- Outboard replaceable surge protector
- Adjustable speeds (with optional MARS No. 08502)
- 625 RPM constant fan mode
- Reversible rotation
- High efficiency 85%
- Multi-horsepower
- Dual voltage
- 4 Speeds
- Belly band mount

Specifications:

- Class "B" insulation
- 48 Frame
- Thermal overload protected
- Operating temperature range: -20°C to 55°C (-4°F to 131°F)
- UL and CSA recognized



Cross Reference to Competitive ECM Products

MARS No.	Azure™	Century/AO Smith	US Motors/Emerson	GE/Genteq
10860	10800	CS1056, CSL1056	5522ET, 5532ET, 5542ET (1/3 HP & 1/2 HP), 5552ET (1/2 HP)	6001, 6002, 6005, 6103E, 6203E, 6105E, 6205E
10861	10801	CS1106, CSL1106	5552ET, 5542ET (3/4 HP)	6003, 6004, 6010, 6107E, 6207E, 6110E, 6210E

350 RPM to 1400 RPM Operating Range*

MARS NO.	HP	VOLTS	AMPS 120V/230V	RPM	ROTATION	DIMENSIONS		
						A	B	C
10860	1/5-1/2	115/230	6.4/3.8	1075	Rev	4.93	5.72	1/2
10861	1/2-1	115/230	11.5/7.0	1075	Rev	4.93	6.66	1/2

* with use of optional hand held programmer MARS No. 08502

Accessories for Azure™ Digi-Motor®

MARS NO.	DESCRIPTION
08502	Hand Held Programmer 10860/10861
08593	Surge Protector 10860/10861
08595	Constant Fan Kit 10860/10861



08502



08593