

Watt Motors – ECM

MARS SERIES **115**



Optional software kit shown

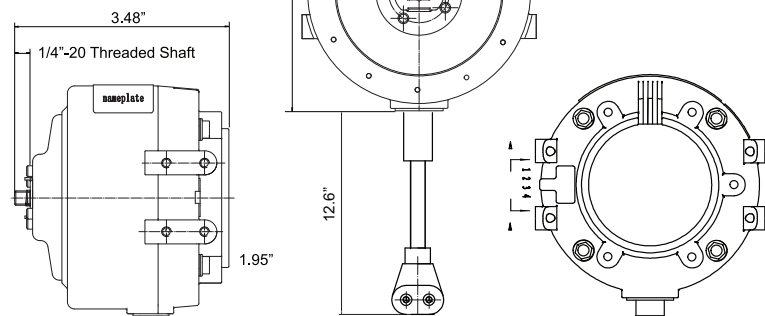
Azure® Commercial Refrigeration Watt (Reach-In) Motor

Ball Bearing

MARS ECM watt motor is a Drop in replacement for most OEM / ECM / PSC and standard shaded pole commercial refrigeration evaporator and condenser fan motors. Capable of replacing most 1550 RPM case motors 4 - 25W for reach-in cooler/freezer applications. The microprocessor sets power output to match the fan load ensuring correct CFM and maximum efficiency in every installation. Automatically senses and adapts to the system voltage (115/230V). Optional software kit allows the speed to be set anywhere between 600 RPM and 2000 RPM, and the rotation to be reversed making the Azure® motor the most versatile case motor available.

Specifications:

- Operating Range: -40° to 131°F
- Self adjusting from 4 to 25 Watts
- Programmable
- 1550 RPM*
- CWLE* Rotation
- Auto Voltage Select (115/230V)
- High efficiency ECM technology: 68%
- Estimated Energy Savings: \$33/year (\$46/year total)**
- 90° Angle Lyall Plug
- Water Resistant: Yes
- UL Recognized



Power Consumption		
Fan Load	Standard Motor Power Consumption	Azure® Power Consumption
4 W	28 W	6 W
9 W	47 W	14 W
16 W	77 W	30 W

Cross Reference

MARS No.	Replaces
10890	All standard watt motors up to 25W; Morrill SSC ECM and US Motors Rescue ECM (EC5411, EC5421) up to 25W

MARS NO.	WATTS OUTPUT	VOLTS	RPM	ROTATION	LEAD LENGTH
10890	4 - 25	115/230	1550*	CW LE*	13"

Accessories for Azure® Watt Motor

MARS NO.	DESCRIPTION
08504	Software Kit for Adjusting Speed and Rotation

*Rotation is reversible, and speed is adjustable from 600 - 2000 RPM with optional software kit (MARS No. 08504)

**Estimated energy savings based on replacement of a 9W shaded pole evaporator fan motor with Azure® at \$0.11/kWh. \$33 savings is based solely on the reduction of power consumption. An additional savings of approximately 40% will result from the reduction of the refrigeration load due to Azure®'s lower operating temperature.