

Looking for an easy installation?

Azure® wires exactly like a PSC motor (but without the capacitor); neutral, ground, and 115V speed taps.

When configured for X13 applications, Azure® wires exactly like an X13 right down to the 24V thermostat speed taps.

If you don't like inventory, you will love Azure®.

Why stock 14 other motors when all you need is two? Two Azure® motors replace all standard PSC and OEM Genteq X13 motors up to 1 HP.

MARS No.	Horsepower	Voltage	Rotation
10860	1/5 – 1/2	115V/230V	CW/CCW
10861	1/2 – 1	115V/230V	CW/CCW

08502 [Optional Hand Held Programmer]

How many Azure® customers do you have?

The Azure® ECM offers many benefits that apply to a wide range of customers. You have an Azure® customer if your customer:

- Shows interest in being 'green'
- Wants products with payback
- Has IAQ products that benefit from constant airflow
- Has temperature stratification issues
- Complains of blower noise at start-up
- Complains of high HVAC operating cost

Full 2-year Warranty

Blue is the New Green

Estimated Average Annual Savings

Azure® ECM Savings vs 1/3 HP PSC

Cents/kW-Hr	Heat/Cool Only	Heat/Cool with Constant Fan
22	\$66	\$329
20	\$60	\$299
18	\$54	\$270
16	\$48	\$240
14	\$42	\$210
12	\$36	\$180
10	\$30	\$151
8	\$24	\$121

Azure® ECM Savings vs 1/2 HP PSC

Cents/kW-Hr	Heat/Cool Only	Heat/Cool with Constant Fan
22	\$83	\$416
20	\$76	\$378
18	\$68	\$340
16	\$61	\$303
14	\$53	\$264
12	\$46	\$228
10	\$38	\$190
8	\$30	\$152

Azure® ECM Savings vs 3/4 HP PSC

Cents/kW-Hr	Heat/Cool Only	Heat/Cool with Constant Fan
22	\$116	\$582
20	\$106	\$530
18	\$95	\$476
16	\$85	\$424
14	\$74	\$371
12	\$63	\$317
10	\$53	\$265
8	\$42	\$212

Azure® ECM Savings vs 1 HP PSC

Cents/kW-Hr	Heat/Cool Only	Heat/Cool with Constant Fan
22	\$120	\$706
20	\$114	\$669
18	\$103	\$603
16	\$91	\$536
14	\$80	\$469
12	\$68	\$402
10	\$57	\$334
8	\$45	\$267

The savings cited is compared to energy costs for a standard induction motor and can vary by region and application. Individual actual savings may vary.



WARNING:
Cancer and Reproductive Harm
www.P65Warnings.ca.gov

AZURE® ECM

**Fill Your Truck With
PROFIT, Not Inventory**



- **More Opportunity** – 2 Motors Replace Most PSC and OEM Genteq X13 Motors
- **More Accurate** – Auto Sizes To Each Application
- **More Reliable** – Outboard Replaceable Surge Protection
- **More Efficient** – 85% Efficient ECM Technology

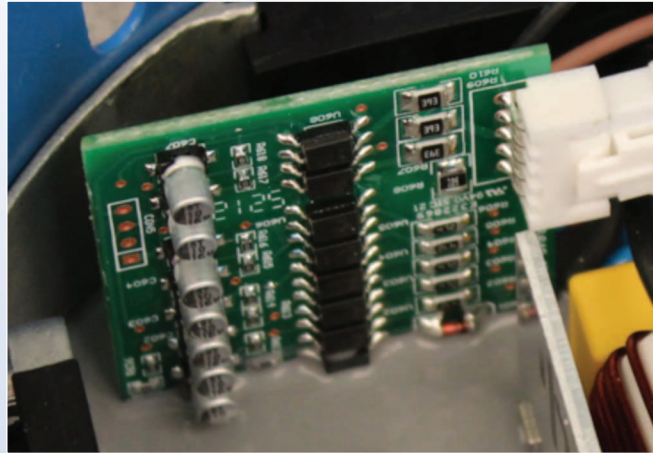


The Next-Generation of Variable Speed Technology

The Azure® ECM from MARS is a high efficiency variable speed direct drive blower motor for a multitude of applications including heat pumps, air handlers, and fossil fuel equipment. Azure® replaces both standard PSC and OEM Genteq X13 motors. Two motors cover ratings from 1/5 HP to 1 HP at 115V or 230V and CW or CCW rotation.

Azure® features an auto sizing learn mode. In start-up learn mode, Azure® runs for 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 HP for the application.

Obtaining correct airflow can often be a challenging process. An optional hand held programmer (MARS No. 08502) can be plugged into an access port on Azure® to display the percentage of torque being applied by the speed tap being energized. For example, a display of 46 indicates Azure® is providing 46% of maximum available motor torque. Although Azure® automatically sizes to each application, this tool can be used to manually increase or decrease (torque) motor speed to customize the installation.



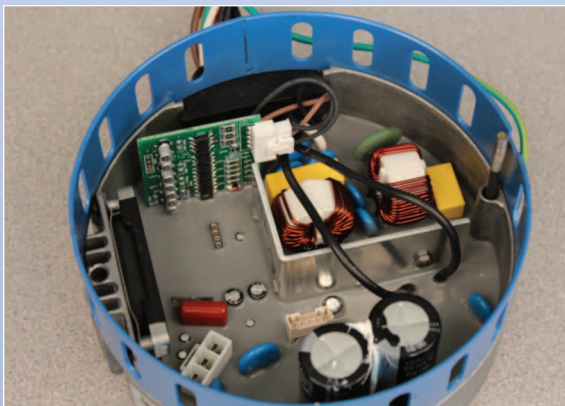
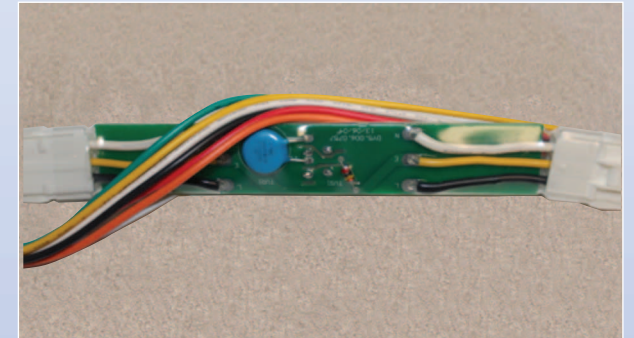
Outboard Surge Protection Prevents Costly Repairs

A common mode of failure for electronically commutated motors is surge suppressor burnout. This requires the expensive control module (end bell) to be replaced. Azure® features an outboard surge protector located within the motor wire harness that can easily and affordably be replaced.

Software Learns Every Application

Exclusive onboard software auto sizes Azure® to every application so you don't have to. This is especially important if anything has changed the originally intended external static pressure of the system. Why duplicate someone else's mistake? Allow Azure® to handle the adjustments.

Because Azure® is a constant torque motor design, it works to deliver constant airflow even as the air filter(s) become dirty. Constant torque = constant comfort.



Hand Held Programmer Allows Custom Speed Tuning

The optional hand held programmer (MARS No. 08502) allows 4 of the 5 speed taps to be manually adjusted for the following purposes (NOTE: The 625 RPM constant fan tap cannot be adjusted):

- To reduce the operating speed of the blower to the low end of the acceptable range in order to maximize dehumidification during the cooling cycle
- To increase the blower speed to assist in high altitude CFM issues
- To duplicate motor speeds on 2 or more of the 4 speed taps
- To assist in setting speeds on multi-stage systems requiring up to 4 blower speeds

The hand held programmer is a portable tool, and unlike PWM control boards it need not be left with the application. The hand held programmer is compatible with all Azure® ECM from MARS.