

Azure[®] ECM

Condenser Fan Applications Ball Bearing

Azure[®] is an electronically controlled motor (ECM) that replaces a multitude of applications. These motors cover ratings from 1/8 HP to 1/3 HP at 208-230V 825/1075 RPM and 1/3 HP to 1/2 HP 208-230V 825/1075 RPM and CW or CCW. These motors are simple to install. The Azure[®] condenser fan motors connect the same as a standard PSC condenser fan motor, BUT WITHOUT the capacitor. Just plug the motor into a 115V power source (using supplied programming cable) and select 1 of 4 operating modes and then install the motor:

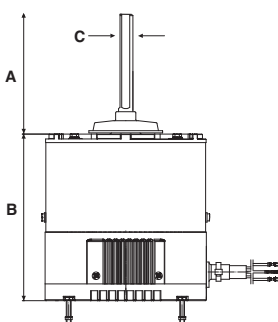
- 1) 1075 RPM CW (LE) - Factory Default
- 2) 1075 RPM CCW (LE)
- 3) 825 RPM CW (LE)
- 4) 825 RPM CCW (LE)

Unlike other ECM motors, an outboard surge protector is included with the Azure[®] wiring harness. This is a replaceable device that is much less expensive to replace than replacing the entire motor in the event of a power surge.

Specifications:

- Multi horsepower, self-adjusting
- 825/1075 RPM, single speed
- Reversible rotation
- High efficiency ECM
- No capacitor required
- Water slinger on shaft
- UL Recognized
- For accessories see page M-5

MARS NO.	HP	VOLTS	RPM	ROTATION	ORIENTATION	RHEEM HOLES	DIMENSIONS		
							A	B	C
10874	1/8 - 1/3	208-230	825/1075	Rev	Shaft Down	Yes	6.50	4.33	1/2
10875	1/8 - 1/3	208-230	1075	Rev	Horizontal	No	6.50	4.33	1/2
10872	1/3 - 1/2	208-230	1075	Rev	Horizontal	No	6.00	5.95	1/2



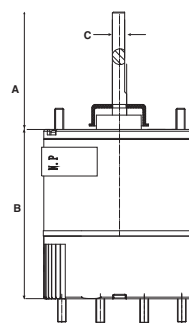
Azure[®] ECM

3.3" Commercial Refrigeration Evaporator Fan Motor Ball Bearing

Azure[®] is an electronically controlled 3.3" motor (ECM) that replaces all 1/15 - 1/25 HP, 115/230V, and 1550/600 RPM commercial refrigeration evaporator fan motors for walk in cooler/freezer applications. For 1550 RPM, this motor connects easily to the fan controller via a standard Lyall plug. For 2-speed applications, the Lyall plug can be removed and the motor can be wired directly to a separate 2-speed control module using the included second speed tap for 600 RPM. Motor rotation is set using a simple jumper wire. Azure[®] is rated for 115V or 230V with nothing to set; plug it in to either voltage and it adapts to the correct voltage.

Specifications:

- Operating temperature range: -40° to 131°F
- Multi horsepower, self adjusting from 1/15 to 1/25HP
- Reversible rotation
- Auto voltage select (115/230V)
- High efficiency ECM technology
- No capacitor required
- UL Recognized
- For accessories see page M-5



MARS NO.	HP	VOLTS	RPM	SPEEDS	ROTATION	DIMENSIONS		
						A	B	C
10850	1/15 - 1/25	115/230	1550	1	Rev	2.5	3.74	5/16
10852	1/15 - 1/25	115/230	1550 ⁽¹⁾	1 or 2 ⁽²⁾	CCWLE ⁽³⁾	2.5	3.74	5/16

(1) 1550 default; adjustable 600-2000 RPM with optional wireless programmer kit (MARS No. 08505)

(2) 2-speeds attainable with optional wireless programmer (MARS No. 08505) and optional thermistor kit (MARS No. 08515)

(3) CCWLE default; reversible with optional wireless programmer (MARS No. 08505)

Azure[®] Variable Speed Motor Adapter

The Azure[®] Variable Speed Motor Adapter is a money saving solution to the expensive replacement of a failed OEM variable speed blower motor using an Azure[®] ECM motor. Simply move the OEM wire harnesses to the Azure[®] Variable Speed Adapter and connect the Azure[®] direct drive motor speed taps to the Azure[®] Variable Speed Adapter.



- Allows replacement of 2.0, 2.3, 2.5, and 3.0 variable speed communicating ECM motors
- Allows replacement of variable speed communicating ECM motors from Nidec / US Motors, and Emerson
- Eliminates wasted time & money locating OEM motor
- Allows replacement of all variable speed direct drive ECM 115V / 230V 1/3, 1/2, 3/4, 1HP (not for use to replace X13 style constant torque ECM)

MARS NO.	DESCRIPTION	AZURE [®] MOTOR COMPATIBILITY
08506	Variable Speed Motor Adapter	10865, 10866