

## EVERGREEN<sup>®</sup> EM

### SPECIFICATIONS

- Multi-speed, constant torque, brushless DC motor
- Available in either 115V or 208-230VAC single-phase input, 50/60Hz
- Designed to replace direct-drive blower motors in residential and light commercial indoor furnaces, air handlers, and package systems that were designed with a standard ECM motor, such as an X13 or equivalent competitor model.
- Available in 1/3, 1/2, 3/4 and 1HP ratings
- Automatically determines motor direction using Genteq's Rotation Sensing Technology.
- 5 discrete speeds using 24VAC (3 using 18VDC)
- Low voltage signal harness provided with the motor.
- Operating speed range of 600 -1200 rpm
- NEMA 48-frame (5.6 inch diameter) Belly Band Mount with 5-inch long ½ inch diameter shaft.
- UL and CSA recognized component.

### BENEFITS

- Standard ECM Replacement (Does not replace premium ECM constant airflow products such as Eon, 3.0, 2.3, and 2.5)
- Maintains ECM-level Efficiency up to 80%
- Soft Start and Off Ramp for quiet operation
- Alternate use for Commercial Building Series VAV Box and Packaged Heat Pump Retrofit/Upgrade Motor for a PSC system (Refer to Evergreen EM Instruction Manual)
- Encapsulated Electronics
- 4kV Surge Protection
- Electronic Overload Protection



Rotation Sensing Technology™

A Regal Brand

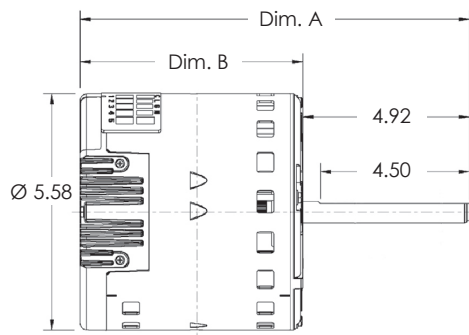
**REGAL**

# EVERGREEN® EM

See the Evergreen EM Installation manual for complete product installation details. Evergreen EM is a UL and CSA recognized component. The allowable voltage range is 90-132VAC for 115VAC models and 180-264VAC for 208-230VAC models.

The frame size of all Evergreen EM motors is NEMA 48 (5.6" diameter). All shafts are 1/2" diameter, 4.92" long, with a single flat. See the listings below for each model's respective dimension from end shield to end shield (Dim. B) and end shield to shaft end (Dim. A).

STOCK NO.	HP	VOLTS	MAX CURRENT	ROTATION	DIM A	DIM B	APPROXIMATE WEIGHT
6103E	1/3	115	4.8 A	CCW/CW	10.17"	5.25"	8.4 lbs
6203E	1/3	208-230	2.8 A	CCW/CW	10.17"	5.25"	8.4 lbs
6105E	1/2	115	6.8 A	CCW/CW	10.67"	5.75"	11.3 lbs
6205E	1/2	208-230	4.1 A	CCW/CW	10.67"	5.75"	11.3 lbs
6107E	3/4	115	8.4 A	CCW/CW	11.42"	6.5"	15.6 lbs
6207E	3/4	208-230	6.0 A	CCW/CW	11.42"	6.5"	15.6 lbs
6110E	1	115	10.9 A	CCW/CW	12.17"	7.25"	19.3 lbs
6210E	1	208-230	7.6 A	CCW/CW	12.17"	7.25"	19.3 lbs



## AMBIENT TEMPERATURE OF ALL MOTORS LISTED HERE.

- Storage: -40 to +85 degrees Celsius  
(-40 to 185 degrees Fahrenheit)
- Powered, not operating: -20 to +65 degrees Celsius  
(-4 to 149 degrees Fahrenheit)
- Operating (1/3 and 1/2 Hp): -20 to +55 degrees Celsius  
(-4 to 131 degrees Fahrenheit)
- Operating (3/4 and 1 Hp): -20 to +45 degrees Celsius  
(-4 to 113 degrees Fahrenheit)

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