



EVERGREEN® IM

SPECIFICATIONS

- Multi-speed, constant torque, brushless DC motor
- Available in dual voltage rated 115/230V 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 6-pole 1075rpm rated PSC motor
- Available in 1/2 and 1 multi-HP ratings
 - 1/2 HP ratings (1/5 - 1/2)
 - 1 HP rating (1/2 - 1)
- Automatically determines motor direction using Genteq's Rotation Sensing Technology
- Four discrete speeds using 24VAC, plus automatic continuous fan speed
- NEMA 48-frame (5.6 inch diameter) belly brand mount with 5-inch long 1/2 inch diameter shaft
- UL and CSA recognized component

BENEFITS

- Efficiency up to 80%
- Ready for connection to existing fan relays or circuit boards with 42" harness. No additional relays or components required
- Constant torque with better external static pressure control than standard PSC motor
- Soft start and off ramp for quieter operation
- Quiet and energy efficient continuous fan speed
- Encapsulated electronics
- 6kV surge protection
- Two year warranty



Rotation Sensing Technology™

A Regal Brand

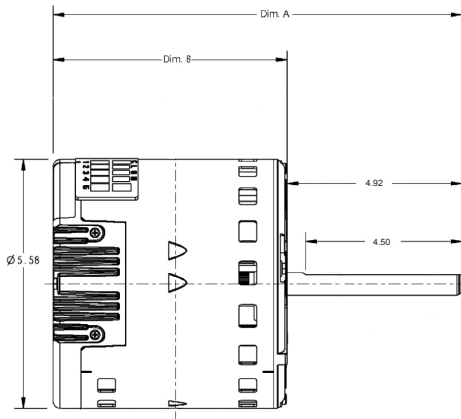
REGAL

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See the Evergreen IM Installation manual for complete product installation details. This manual can be downloaded from www.EvergreenDealer.com. Evergreen IM is a UL and CSA recognized component. The allowable voltage range is 90-132VAC for 115VAC models and 180-264VAC for 230VAC models.

The frame size of all Evergreen IM 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 MODEL #	HP	VOLTAGE	ROTATION	MAX CURRENT	DIM A	DIM B	APPROXIMATE WEIGHT
6005	1/2	115/230V	CCW/CW	6.7/4.0 A	11.26"	6.34"	12 lbs
6010	1	115/230V	CCW/CW	11.0/6.7 A	12.76"	7.84"	20 lbs



SPEED (RPM) RATINGS. NOTE: ACTUAL RPM WILL VARY DEPENDING ON LOAD

High = 1075 RPM

Med High = 1000 RPM

Med = 925 RPM

Med Low = 850 RPM

Low = 600-700 RPM
(based on Hp selection)

Note: See installation manual for special constant fan operation

AMBIENT TEMPERATURE OF ALL MOTORS

- 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 (1/2 Hp): -20 to +55 degrees Celsius (-4 to 131 degrees Fahrenheit)
- Operating (1 Hp): -20 to +45 degrees Celsius (-4 to 113 degrees Fahrenheit)

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