



**YOUR ONE STOP SOLUTION.  
UNIVERSAL ECM  
REPLACEMENT MOTORS.**



# ECM MOTOR SOLUTIONS



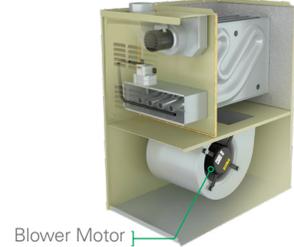
REPLACE OEM ECM CONSTANT TORQUE MOTORS AND CONTROL MODULES WITH **EVERGREEN® EM MOTORS AND CONTROL MODULES** (SEE PAGES 6 & 7)



## RESIDENTIAL/LIGHT COMMERCIAL HVAC SYSTEMS INDOOR BLOWER APPLICATIONS

- Replace Genteq® models X13, Endura® Pro, Ensite® and Ensite Air motors
- Replace US Motors®\* SelecTech®\* and RESCUE SELECT®\* motors
- Replace Broad Ocean®\* motors (with 24 VAC speed taps)
- Maintain system efficiency and performance
- Compatible with OEM harness
- Pre-programmed for truck stock
- No complex wiring or configuration
- Two year warranty from date of installation

## FURNACE AIR HANDLERS INCLUDES PACKAGE SYSTEMS



Blower Motor



## SAVE THE MOTOR - REPLACE THE CONTROL

- Replaces control module for Genteq X13, Endura Pro and Evergreen EM motors

REPLACE OEM ECM CONSTANT TORQUE MOTORS WITH **EVERGREEN CM MOTORS**

(SEE PAGES 8 & 9)



## COMMERCIAL AIR HANDLER/PACKAGE SYSTEMS AND VAV APPLICATIONS INDOOR BLOWER APPLICATIONS

- Replaces Genteq X13 and Endura Pro motors or similar competitor constant torque ECM
- Maintains system efficiency and performance
- Compatible with OEM harness
- Pre-programmed for truck stock
- No complex wiring or configuration
- Two year warranty from date of installation

## AIR HANDLERS INCLUDES PACKAGE SYSTEMS



Blower Motor

REPLACE OEM ECM VARIABLE SPEED MOTORS WITH **EVERGREEN VS MOTORS**

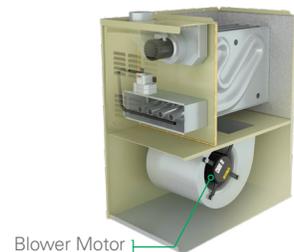
(SEE PAGES 10 & 11)



## RESIDENTIAL/LIGHT COMMERCIAL HVAC SYSTEMS INDOOR BLOWER APPLICATIONS

- Replaces models 2.0, 2.5, Genteq models 2.3, Eon® and 3.0 motors
- Maintains system efficiency and performance
- Compatible with OEM harness
- Pre-programmed for truck stock
- No complex wiring or configuration
- Two year warranty from date of installation

## FURNACE AIR HANDLERS INCLUDES PACKAGE SYSTEMS



Blower Motor

\* This warranty shall expire twenty-four (24) months from date of installation or thirty (30) months from date of manufacture of the Product, whichever occurs first. Except as stated here, Regal Rexnord standard limited warranty applies. See [www.regalrexnord.com](http://www.regalrexnord.com) (Terms and Conditions of Sale).

Replace millions of **OEM ECM** motors with 2 universal motors!

# ECM MADE EASY™



## Evergreen® EM INDOOR BLOWER MOTOR

Constant torque  
universal ECM  
replacement motor



## Evergreen® VS INDOOR BLOWER MOTOR

Constant airflow  
(variable speed) universal  
ECM replacement motor

### Constant Torque OEM ECM Motors



Broad Ocean®\*\*  
motors

US Motors®\*\*  
SelecTech®\*\* & Rescue  
Select®\*\* motors

Genteq X13, Endura®  
Pro, Ensight® & Ensight  
Air motors

### Genteq® Constant Airflow (Variable Speed) OEM ECM Motors



2.0

2.3/2.5

3.0

Eon® motors

Genteq® Evergreen motors are the smartest choice in universal ECM replacement motors that maintain system efficiency with fast and easy installation and OEM compatibility, which in turn increase the value for the dealer, installer and homeowner.



## BETTER FOR YOU

- Technician Friendly • Pre-programmed
- OEM Compatible

## BETTER FOR YOUR CUSTOMERS

- Same Day Completion • Maintains System Efficiency • Two Year Warranty\*

\* This warranty shall expire twenty-four (24) months from date of installation or thirty (30) months from date of manufacture of the Product, whichever occurs first. Except as stated here, Regal Rexnord standard limited warranty applies. See [www.regalrexnord.com](http://www.regalrexnord.com) (Terms and Conditions of Sale).



\*Attribution statement appears on last page.

# PSC MOTOR SOLUTIONS

## UPGRADE/REPLACE PSC INDOOR BLOWER MOTORS WITH **EVERGREEN® IM MOTORS** (SEE PAGES 12 & 13)



### RESIDENTIAL/LIGHT COMMERCIAL HVAC SYSTEMS

- Reduce truck stock
- Energy savings
- Increase comfort and indoor air quality
- Decrease continuous fan noise and power consumption
- Easy drop-in replacements - connect directly to fan boards or relays
- Two year warranty from date of installation

### FURNACE AIR HANDLERS INCLUDES PACKAGE SYSTEMS



## UPGRADE/REPLACE PSC INDOOR BLOWER MOTORS WITH **EVERGREEN DS MOTORS** (SEE PAGE 12)



### MODULAR BUILDING APPLICATIONS FAN COILS AND ROOM AIR CONDITIONER UNITS

- Energy savings
- Replaces direct drive, dual shaft induction motors
- Connects directly to HVAC system controls
- Supports MERV 13 filter integration
- Two year warranty from date of installation

### AIR HANDLERS



## UPGRADE/REPLACE PSC OUTDOOR BLOWER MOTORS WITH **EVERGREEN OM MOTORS** (SEE PAGES 14 & 15)



### RESIDENTIAL/LIGHT COMMERCIAL HVAC SYSTEMS

- Reduce truck stock
- Drop-in replacements for induction motors
- Easy retrofits – installs and connects just like a PSC motor
- Quiet start and operation
- Replaces millions of PSC condenser fan motors
- Two year warranty from date of installation

### A/C & HEAT PUMP UNITS INCLUDES PACKAGE SYSTEMS



⌘ This warranty shall expire twenty-four (24) months from date of installation or thirty (30) months from date of manufacture of the Product, whichever occurs first. Except as stated here, Regal Rexnord standard limited warranty applies. See [www.regalrexnord.com](http://www.regalrexnord.com) (Terms and Conditions of Sale).

Replace millions of PSC motors with just **3** ECM motors!

# ECM MADE EASY™

## Evergreen® IM

### INDOOR BLOWER MOTOR

**2** Evergreen® IM motors replace **20** of the most common PSC motor ratings.



## Evergreen® OM

### OUTDOOR FAN MOTOR

**1** Evergreen® OM motor replaces **28** of the most common PSC motor ratings.



#### 48 FRAME / 1075 RPM INDOOR BLOWER MOTORS

115 V 1/4 HP CCW	115 V 1/3 HP CCW	115 V 1/2 HP CCW	115 V 3/4 HP CCW	115 V 1 HP CCW	 115-230 VAC 1/2-1/5 HP CW / CCW STOCK # 6005
115 V 1/4 HP CW	115 V 1/3 HP CW	115 V 1/2 HP CW	115 V 3/4 HP CW	115 V 1 HP CW	
230V 1/4 HP CCW	230V 1/3 HP CCW	230V 1/2 HP CCW	230V 3/4 HP CCW	230V 1 HP CCW	 115-230 VAC 1-1/2 HP CW / CCW STOCK # 6010
230V 1/4 HP CW	230V 1/3 HP CW	230V 1/2 HP CW	230V 3/4 HP CW	230V 1 HP CW	

#### 48 FRAME / 230 VAC OUTDOOR FAN MOTORS

825 RPM 1/12 HP CCW	825 RPM 1/10 HP CCW	825 RPM 1/8 HP CCW	825 RPM 1/6 HP CCW	825 RPM 1/5 HP CCW	825 RPM 1/4 HP CCW	825 RPM 1/3 HP CCW	 208-230 VAC 1/3-1/12 HP CW / CCW STOCK # 6303S
825 RPM 1/12 HP CW	825 RPM 1/10 HP CW	825 RPM 1/8 HP CW	825 RPM 1/6 HP CW	825 RPM 1/5 HP CW	825 RPM 1/4 HP CW	825 RPM 1/3 HP CW	
1075 RPM 1/12 HP CCW	1075 RPM 1/10 HP CCW	1075 RPM 1/8 HP CCW	1075 RPM 1/6 HP CCW	1075 RPM 1/5 HP CCW	1075 RPM 1/4 HP CCW	1075 RPM 1/3 HP CCW	
1075 RPM 1/12 HP CW	1075 RPM 1/10 HP CW	1075 RPM 1/8 HP CW	1075 RPM 1/6 HP CW	1075 RPM 1/5 HP CW	1075 RPM 1/4 HP CW	1075 RPM 1/3 HP CW	

Genteq® Evergreen motors are the smartest choice in the aftermarket, offering PSC replacement with minimal inventory burden, fast and easy installation and energy savings, which in turn increase the value for the dealer, installer and homeowner.



## BETTER FOR YOU

- Technician Friendly • Increase Profits
- Reduce Truck Stock

## BETTER FOR YOUR CUSTOMERS

- Same Day Completion • Energy Savings • Improve Comfort and IAQ



\*Attribution statement appears on last page.



# Evergreen® EM Motors AND CONTROL MODULES

**DESIGNED TO REPLACE OEM CONSTANT TORQUE STANDARD ECM INDOOR BLOWER MOTORS SUCH AS GENTEQ® X13, ENDURA® PRO, ENSITE® AND ENSITE AIR MOTORS OR EQUIVALENT COMPETITOR MODELS WITH 24 VAC SPEED TAPS AND PWM COMMUNICATION.**

[115 OR 208-230 VAC APPLICATIONS]

The Evergreen® EM motor is a drop-in replacement for OEM constant torque ECM indoor blower motors. With no programming requirements, it's ready when you need it at your local HVAC distributor or on your truck. With no complex wiring, you will get the job done quickly.

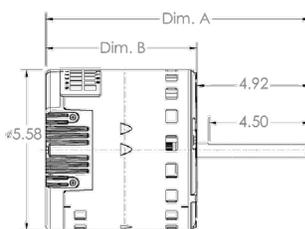
## BENEFITS

- **NEW dual voltage design**
- **PWM compatible** (automatically recognized)
- Pre-programmed for truck stock and ready to use out of the box
- Complete all calls the same day including after hours calls (see page 3)
- (5) 24 VAC speed taps (Low-High)
- Compatible with OEM harness
- No complex wiring or configuration
- Automatically determines motor direction using rotation sensing technology
- Maintains system efficiency and performance
- Soft start and off-ramp for quiet operation

## RELIABILITY

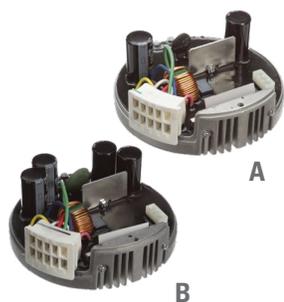
- Encapsulated electronics
- Electronic overload protection
- 6kV surge protection
- Two year warranty from date of installation
- UL recognized component

⚡ This warranty shall expire twenty-four (24) months from date of installation or thirty (30) months from date of manufacture of the Product, whichever occurs first. Except as stated here, Regal Rexnord standard limited warranty applies. See [www.regalrexnord.com](http://www.regalrexnord.com) (Terms and Conditions of Sale).



MOTOR MOUNT FOR OEM INDOOR BLOWER MOTOR APPLICATIONS WITH 4 WELDED LEGS CAN BE FOUND ON PAGE 16

ACCESSORIES FOR EVERGREEN EM MOTORS CAN BE FOUND ON PAGE 17



## EVERGREEN EM MOTOR CONTROL MODULES

- Save the motor - Replace the control
- Genuine Genteq control module for Genteq X13, Endura Pro and Evergreen EM motors

STOCK	HP	VOLTS	FLA	IMAGE
6203ECTL	1/3	208-230	2.8	A
6205ECTL	1/2	208-230	4.1	A
6207ECTL	3/4	208-230	6.0	A
6210ECTL	1	208-230	7.6	B

## Easy as 1, 2, DONE

1. Plug it in
2. Bolt it together



# Evergreen® EM Motor Applications

## FURNACE AIR HANDLERS

Includes Package Systems



Blower Motor

## Evergreen® EM Motor

Replaces OEM constant torque ECM built with 24 VAC speed taps and PWM communication with the following ratings:

- » Horsepower: 1/3-1
- » RPM Rating: 1050
- » Voltage: 115/208-230
- » Rotation: CW & CCW



Genteq® X13, Endura® Pro, Ensite® and Ensite Air motors



US Motors®\* SelecTech®\* and RESCUE SELECT®\* motors



Broad Ocean®\* motors with 24 VAC speed taps

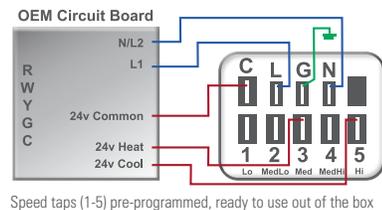
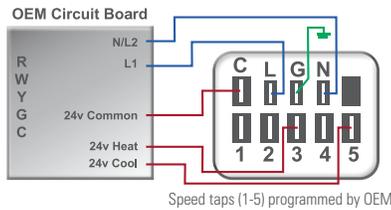


115 230  
Voltage Plugs

## EASY AS 1, 2, DONE

1. Transfer wires or plugs to same connections

2. Adjust speed taps for proper demand airflow



## EVERGREEN EM MOTORS

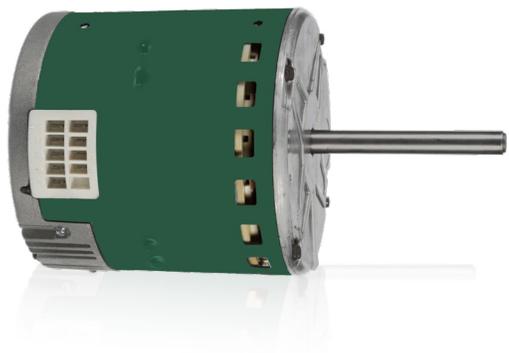
STOCK	HP	VOLTS	FLA	RPM	SPEEDS	SHAFT	DIM A	DIM B
6203X	1/3	115/208-230	4.1/2.8	1050	5/PWM	.5" x 5" (4.5" SF)	10.67"	5.74"
6205X	1/2	115/208-230	6.4/4.1	1050	5/PWM	.5" x 5" (4.5" SF)	10.91"	5.99"
6207X	3/4	115/208-230	8.4/6.0	1050	5/PWM	.5" x 5" (4.5" SF)	11.41"	6.49"
6210X	1	115/208-230	12.2/9.0	1050	5/PWM	.5" x 5" (4.5" SF)	12.45"	7.53"

ROTATION: Reversible // FRAME: NEMA®\* 48

## STOCK NO. CROSS REFERENCE

EVERGREEN MOTOR STOCK NO.	US MOTORS®* RESCUE EZ13®* STOCK NO.	US MOTORS®* RESCUE SELECT PRO™* STOCK NO.	MARS®* AZURE®* STOCK NO.
6203X	5632	6633	10858
6205X	5632	6633	10858
6207X	5642	6643	10859
6210X	5652	6653	10859

\*Attribution statement appears on last page.



# Evergreen® CM Motors

**DESIGNED TO REPLACE OEM CONSTANT TORQUE STANDARD ECM INDOOR BLOWER MOTORS SUCH AS GENTEQ® X13, ENDURA® PRO MOTORS OR EQUIVALENT COMPETITOR MODELS WITH 24 VAC SPEED TAPS.**

[208-230/277 OR 460 VAC APPLICATIONS]

The Evergreen® CM motor is a drop-in replacement for constant torque ECM motors. With no programming requirements, it's ready when you need it at your local HVAC distributor or on your truck. With no complex wiring, you will get the job done quickly.

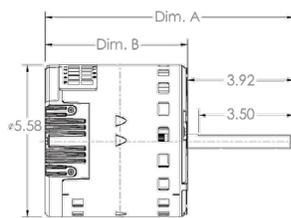
## BENEFITS

- Pre-programmed for truck stock and ready to use out of the box
- (5) 24 VAC speed taps (Low-High)
- Compatible with OEM harness
- No complex wiring or configuration
- PWM compatible (automatically recognized)
- Automatically determines motor direction using rotation sensing technology
- Maintains system efficiency and performance
- Soft start and off-ramp for quiet operation

## RELIABILITY

- Encapsulated electronics
- Electronic overload protection
- 4kV surge protection
- Two year warranty from date of installation✚
- UL recognized component

✚ This warranty shall expire twenty-four (24) months from date of installation or thirty (30) months from date of manufacture of the Product, whichever occurs first. Except as stated here, Regal Rexnord standard limited warranty applies. See [www.regalrexnord.com](http://www.regalrexnord.com) (Terms and Conditions of Sale).



ACCESSORIES FOR EVERGREEN CM MOTORS CAN BE FOUND ON PAGES 16-17

- 0-10 VDC Harness Kit
- PWM Controls
- Motor Mounting Kits



# Evergreen® CM Motor Applications

## AIR HANDLERS

Includes Package Systems



## Evergreen® CM Motor

Replaces OEM constant torque ECM built with 24 VAC speed taps with the following ratings:

- » Horsepower: 1/3-1
- » RPM Rating: 1075
- » Voltage: 208-230/277
- » Rotation: CW & CCW

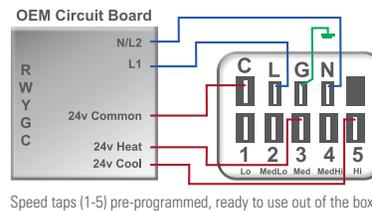
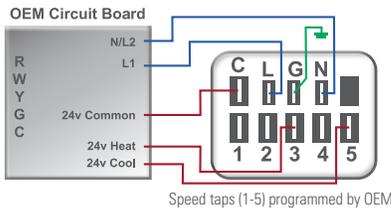
[ Constant Torque Genteq X13 ECM  
or Similar Competitors' Models ]



## EASY AS 1, 2, DONE

1. Transfer wires or plugs to same connections

2. Adjust speed taps for proper demand airflow



## EVERGREEN CM MOTORS

STOCK	HP	VOLTS	FLA	RPM	SPEEDS	SHAFT	DIM A	DIM B
6703	1/3	208-230/277	2.8	1075	5/PWM	.5" x 4" (3.5" SF)	9.17"	5.25"
6705	1/2	208-230/277	4.1	1075	5/PWM	.5" x 4" (3.5" SF)	9.67"	5.75"
6707	3/4	208-230/277	6.0	1075	5/PWM	.5" x 4" (3.5" SF)	10.42"	6.5"
6710	1	208-230/277	7.6	1075	5/PWM	.5" x 4" (3.5" SF)	11.17"	7.25"
6405	1/2	460	2.1	1075	5/PWM	.5" x 4" (3.5" SF)	10.53"	6.61"
6407	3/4	460	3.1	1075	5/PWM	.5" x 4" (3.5" SF)	11.28"	7.36"
6410	1	460	4.0	1075	5/PWM	.5" x 4" (3.5" SF)	12.03"	8.11"

ROTATION: Reversible // FRAME: NEMA®\* 48

# Evergreen® VS Product Line

DESIGNED TO REPLACE GENTEQ® CONSTANT AIRFLOW (VARIABLE SPEED) ECM INDOOR BLOWER MOTORS. DESIGNED SPECIFICALLY TO REPLACE GE®\* MODELS 2.0 AND 2.5, GENTEQ MODELS 2.3, EON® AND 3.0 MOTORS.



The Evergreen® VS product line is a drop-in replacement for 16 and 4-pin variable speed motors (including models formerly branded GE by Regal Beloit™).

## CONTRACTOR BENEFITS

- Pre-programmed
- Plug-n-play
- Dual voltage
- Truck stock
- Automatic dual rotation

## CONSUMER BENEFITS

- Complete all calls the same day including after hours calls (see page 3)
- Reduce time on call using part on truck
- Built by same manufacturer as original motor
- Maintains system performance and efficiency

## RELIABILITY

- Encapsulated electronics
- Electronic overload protection
- 6kV surge protection
- Two year warranty from date of installation
- UL recognized component

\* This warranty shall expire twenty-four (24) months from date of installation or thirty (30) months from date of manufacture of the Product, whichever occurs first. Except as stated here, Regal Rexnord standard limited warranty applies. See [www.regalrexnord.com](http://www.regalrexnord.com) (Terms and Conditions of Sale).

### GENTEQ MODEL 3.0 MOTOR REPLACEMENT (4-PIN)

- The Evergreen VS motor is a direct replacement for the Genteq model 3.0 motor.
- Plug-n-play (Connect OEM plugs...DONE).



### GE MODEL 2.5 MOTOR REPLACEMENT (16-PIN)

- The Genteq 16-4 pin adapter (#5K015) is required for this application.
- The 16-4 pin adapter is sold separately and is installed permanently with the motor.



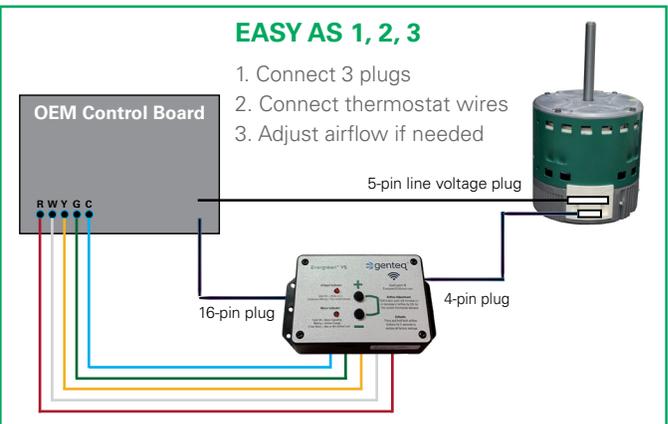
### GE MODEL 2.0, GENTEQ MODELS 2.3 AND EON MOTOR REPLACEMENT (16-PIN)

- The Evergreen VS User Interface (#5K010V) is required for this application and is installed permanently with the motor.
- The user interface is sold individually OR now together in one box.
- All wires and harnesses are provided with the user interface.



### EASY AS 1, 2, 3

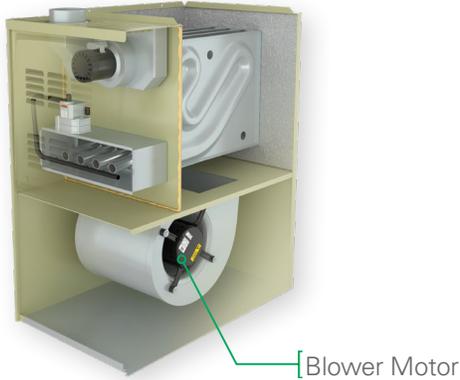
1. Connect 3 plugs
2. Connect thermostat wires
3. Adjust airflow if needed



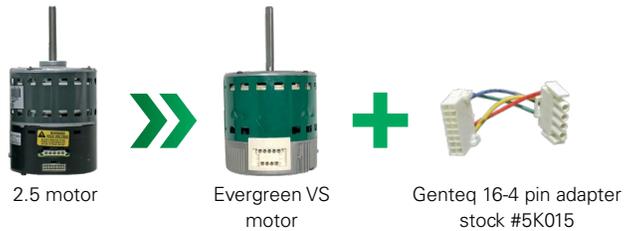
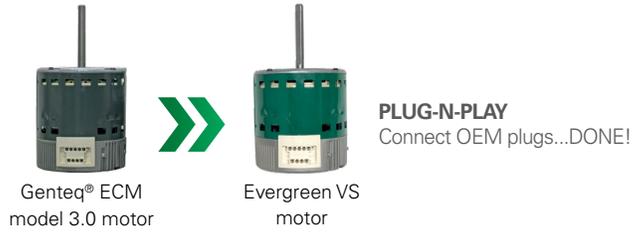
# Evergreen® VS Motor Applications

## FURNACE AIR HANDLERS

Includes Package Systems



## Evergreen® VS Product Line



Match the horsepower (HP) and voltage (VAC) ratings of the Evergreen VS motor to the motor being replaced. It is not necessary for the RPM or the amperage (FLA) to match.

## EVERGREEN VS MOTOR & USER INTERFACE IN ONE BOX

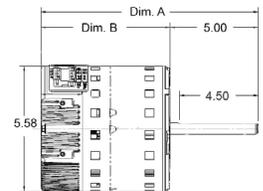
STOCK	HP	VOLTS	FLA	RPM	SPEEDS	SHAFT	DIM A	DIM B
6503VUI	1/3	120/240	5.0/2.8	1050	Variable	.5" x 5" (4.5" SF)	10.71"	5.71"
6505VUI	1/2	120/240	7.7/4.3	1050	Variable	.5" x 5" (4.5" SF)	11.21"	6.21"
6507VUI	3/4	120/240	10.1/6.1	1050	Variable	.5" x 5" (4.5" SF)	11.96"	6.96"
6510VUI	1	120/240	12.8/7.4	1050	Variable	.5" x 5" (4.5" SF)	12.71"	7.71"

ROTATION: Reversible // FRAME: NEMA®\* 48



## EVERGREEN VS MOTORS

STOCK	HP	VOLTS	FLA	RPM	SPEEDS	SHAFT	DIM A	DIM B
6503V	1/3	120/240	5.0/2.8	1050	Variable	.5" x 5" (4.5" SF)	10.71"	5.71"
6505V	1/2	120/240	7.7/4.3	1050	Variable	.5" x 5" (4.5" SF)	11.21"	6.21"
6507V	3/4	120/240	10.1/6.1	1050	Variable	.5" x 5" (4.5" SF)	11.96"	6.96"
6510V	1	120/240	12.8/7.4	1050	Variable	.5" x 5" (4.5" SF)	12.71"	7.71"



EVERGREEN MOTOR MOUNTS CAN BE FOUND ON PAGE 16

## EVERGREEN ACCESSORIES

STOCK	DESCRIPTION
5K010V	Evergreen VS User Interface <sup>■</sup>
5K015	Genteq 16-4 Pin Adapter <sup>■</sup>
5K016	Evergreen Rotation Reversing Harness <sup>■ ▲</sup>

- Sold separately and installed permanently with the motor.
- ▲ The Evergreen VS motor will automatically configure rotation to match the application. The rotation reversing harness (#5K016) is only needed if the motor does not operate the correct direction following the installation instructions.



# Evergreen® IM Motors

**DESIGNED TO REPLACE FACTORY PSC INDOOR BLOWER MOTORS IN HVAC SYSTEMS.**

With Evergreen® IM motors, you'll give your customers the efficiency and comfort of a new ECM driven system, without replacing the entire system. Simply replace their PSC motor with an Evergreen IM motor. It's not only easy to install, but it can also reduce your inventory and increase your profits.

## CONSUMER BENEFITS

- Energy savings
  - » Up to 25% more efficient than PSC motors in heating and cooling modes
- Quiet operation
  - » On/Off ramping
- Optimized continuous fan speed
  - » Energy savings (up to 75% more efficient than PSC motors in continuous fan mode)
  - » Quiet operation (little to no air noise or draft)
  - » Increases comfort by reducing motor noise and temperature differences throughout the home
  - » Improve indoor air quality (IAQ) by operating IAQ products continuously using the high efficiency continuous fan speed

## CONTRACTOR BENEFITS

- Reduce truck stock and get the job done (see page 5)
- No capacitors required
- Connects directly to existing relays or circuit boards
- No additional relays or wires needed
- Automatically determines motor direction using rotation sensing technology
- Two motors replace the following ratings:
  - » 1/5, 1/4, 1/3, 1/2, 3/4 & 1 horsepower
  - » 115/230 VAC
  - » CW and CCW rotation
  - » 1000-1075 RPM
  - » Direct drive - 48 frame

## RELIABILITY

IM | DS Motors

- Encapsulated electronics
- Electronic overload protection
- 6kV surge protection
- Two year warranty from date of installation
- UL recognized component

⚠ This warranty shall expire twenty-four (24) months from date of installation or thirty (30) months from date of manufacture of the Product, whichever occurs first. Except as stated here, Regal Rexnord standard limited warranty applies. See [www.regalrexnord.com](http://www.regalrexnord.com) (Terms and Conditions of Sale).



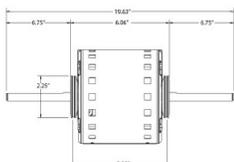
# Evergreen DS Motor

**DESIGNED TO REPLACE DUAL SHAFT INDUCTION MOTORS.**

The Evergreen DS dual shaft motor easily replaces most permanent split capacitor (PSC) motors in modular building applications. It is designed to replace direct drive, dual shaft induction motors found in HVAC indoor blower motor applications with forward curved (squirrel cage) blower wheels.

## FEATURES

- One motor replaces the following ratings:
  - » 3/4, 1/2 & 1/3 horsepower
  - » 1070 RPM
  - » Dual voltage (120-240 VAC)
  - » Dual rotation
  - » Direct drive - 48 frame
- Pedestal or belly band mount
- No capacitor required
- Connects directly to HVAC system controls
- No additional relays or wires needed



EVERGREEN DS MOTOR MOUNTS CAN BE FOUND ON PAGE 16

STOCK	HP	VOLTS	FLA	RPM	SPEEDS	SHAFT
6007DS	3/4 (3/4, 1/2, 1/3)	115/208-230	11.0/6.7	1070	5	6.75" x .5" x 6.75"

# Evergreen® IM Motor Applications

## FURNACE AIR HANDLERS

Includes Package Systems

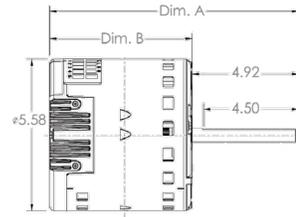
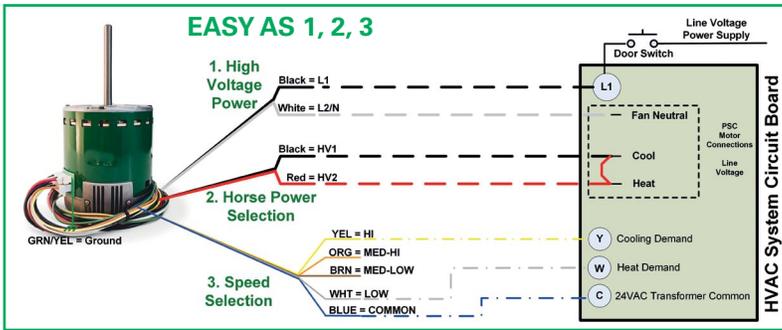


Blower Motor

## Evergreen® IM Motor

Replaces Permanent Split Capacitor (PSC), direct drive, induction motors with the following ratings:

- » Horsepower: 1/5-1
- » RPM Rating: 1075
- » Voltage: 115/230
- » Rotation: CW & CCW



EVERGREEN IM MOTOR MOUNTS CAN BE FOUND ON PAGE 16

## EVERGREEN IM MOTORS

STOCK	HP	VOLTS	FLA	RPM	SPEEDS	SHAFT	DIM A	DIM B
6005	1/2 (1/2, 1/3, 1/4, 1/5)	115/230	6.7/4.0	1075	5	.5" x 5" (4.5" SF)	11.26"	6.34"
6010	1 (1, 3/4, 1/2)	115/230	11.0/6.7	1075	5	.5" x 5" (4.5" SF)	12.76"	7.84"

**ROTATION:** Reversible // **FRAME:** NEMA®\* 48

When replacing a 1/2 HP PSC motor, refer to the chart below.

1.5 - 3 Ton A/C  
40 - 95k BTU Furnace } Stock #6005

3.5 - 5 Ton A/C  
100 - 150k BTU Furnace } Stock #6010

## STOCK NO. CROSS REFERENCE

EVERGREEN MOTOR STOCK NO.	US MOTORS®* RESCUE ECOTECH®* STOCK NO.	MARS®* AZURE®* STOCK NO.	CENTURY® MOTOR STOCK NO.
6005	5520ET, 5521ET, 5530ET, 5531ET, 5522ET, 5532ET	10800 <sup>■</sup> , 10860 <sup>■</sup>	CSL1056, CS1056
6010	5540ET, 5541ET, 5550ET, 5551ET, 5542ET, 5552ET	10801 <sup>■</sup> , 10861 <sup>■</sup>	CSL1106, CS1106

\* Evergreen IM motors can replace Azure motors when used to replace PSC motors. Evergreen EM motors can replace Azure motors when used to replace X13 motors.

# Evergreen® OM Motors



**NEW SHORTER DESIGN INSTALLS AND CONNECTS JUST LIKE A PSC MOTOR. 1 EVERGREEN® OM MOTOR REPLACES MILLIONS OF PERMANENT SPLIT CAPACITOR (PSC) MOTORS IN HVAC OUTDOOR FAN APPLICATIONS.**

The Evergreen® OM motor is a versatile high efficiency ECM designed to replace induction motors (shaded pole or PSC) in shaft down or horizontal outdoor fan applications. These applications include direct-drive fan propellers (axial fan blades) in A/C or heat pump systems (including split or package systems).

## CONTRACTOR BENEFITS

- Increase first call completions
- Reduce inventory on the truck (see page 5)
- No capacitor required
- Installs and connects just like a PSC motor

## CONSUMER BENEFITS

- Complete all calls the same day including after hours calls
- Reduce time on call using part on truck
- Quiet start and operation

## RELIABILITY

- Encapsulated electronics
- Electronic overload protection
- 6kV surge protection
- Two year warranty from date of installation
- UL recognized component

✦ This warranty shall expire twenty-four (24) months from date of installation or thirty (30) months from date of manufacture of the Product, whichever occurs first. Except as stated here, Regal Rexnord standard limited warranty applies. See [www.regalrexnord.com](http://www.regalrexnord.com) (Terms and Conditions of Sale).



## EVERGREEN OM REMOTE MOUNT CONTROL

- All angle mount
- Lower profile
- OEM mounting holes on side of motor shell and end shield

## EVERGREEN OM MOTOR

STOCK	HP	VOLTS	FLA	RPM	SPEEDS	SHAFT	DIM A	DIM B
6303R	1/3-1/10	208-230	3.5	850/1100	2	.5" x 5.5" (5" SF)	9.79"	4.23"*

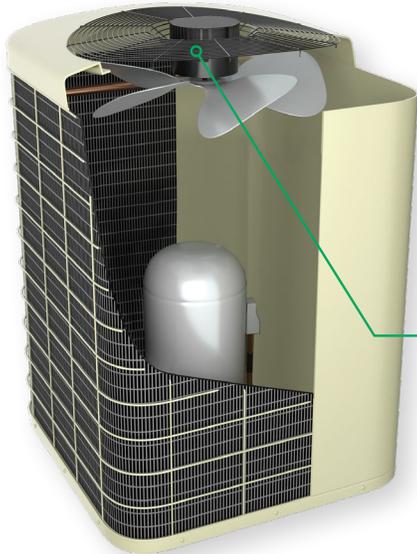
**ROTATION:** Reversible // **FRAME:** NEMA®\* 48

\* This dimension represents the motor length from end shield to end shield excluding control.

# Evergreen® OM Motor Applications

## A/C & HEAT PUMP UNITS

Includes Package Systems



[Outdoor Fan Motor]

## Evergreen® OM Motor

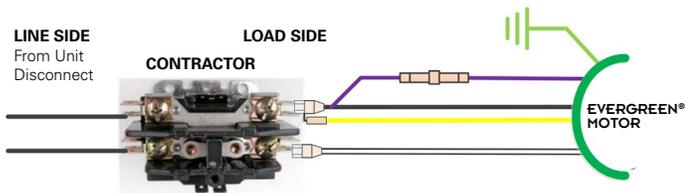
Replaces PSC outdoor fan motors with the following ratings:

- » Horsepower: 1/3-1/12
- » RPM: 825 or 1075
- » Voltage: 208-230
- » Rotation: CW & CCW
- » Orientation: Shaft down or horizontal

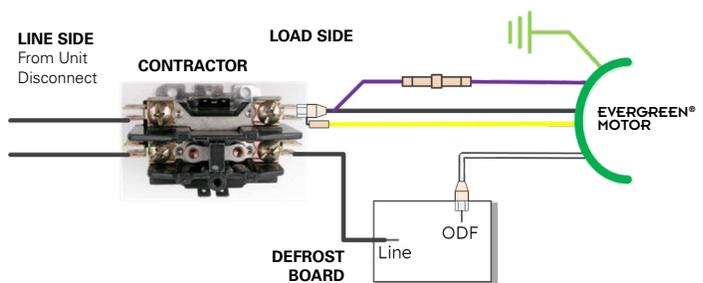


STOCK #6303S

## A/C APPLICATIONS



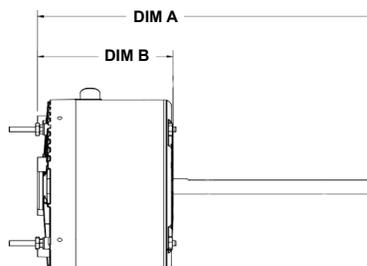
## HEAT PUMP APPLICATIONS



## EVERGREEN OM MOTOR

STOCK	HP	VOLTS	ROTATION	FLA	RPM	SPEEDS	SHAFT	DIM A	DIM B
6303S	1/3-1/12	208-230	CW & CCW	2.8	825/1075	2	.5" x 6.5" (6" SF)	10.98"	4.39"

ROTATION: Reversible // FRAME: NEMA®\* 48



\*Attribution statement appears on last page.

# MOTOR MOUNTS FOR EVERGREEN® INDOOR BLOWER MOTORS

All Evergreen motors are NEMA®\* 48-frame (5.6" diameter). If the motor you're replacing has the same frame dimensions and uses a belly band mount, an Evergreen motor will fit in the existing mount.

A new motor mount may be required if the old mount is connected to the motor around the bearing (resilient mount), or welded or bolted directly to the motor shell.

To determine the bolt hole diameter needed, measure the diameter of the air inlet. The bolt hole dimension must be larger than this dimension.

## MOUNTING KITS FOR EVERGREEN EM, CM, IM AND VS MOTORS



### FASCO® CATALOG #FM55

9" & 10.18" bolt circle flex mount  
NEMA\* 48 Frame  
(5.5" dia.) 3 legs

*Not recommended for  
3/4 HP or 1HP motors*



### GENTEQ CATALOG #5K005

13" bolt circle  
NEMA\* 48 frame  
(5.6" dia.) 4 legs



### GENTEQ® CATALOG #5K002

Motor mount for  
installing Evergreen EM  
or VS motors in OEM  
applications with Genteq  
X13, 3.0, or Endura® Pro  
motors with 4 welded legs.



### GENTEQ CATALOG #5K003

10" bolt circle

### GENTEQ CATALOG #5K004

11" bolt circle  
NEMA\* 48 frame  
(5.6" dia.) 3 legs



## MOUNTING KIT FOR EVERGREEN DS MOTORS



### FASCO CATALOG #35-595

6.0" length for 2.5" dia. ring  
Resilient base

GENTEQ CATALOG #5K003,  
5K004 and 5K005 can also  
be used.

# DIAGNOSTIC TOOL FOR OEM MOTORS MODEL 2.0, GENTEQ® MODELS 2.3, EON® AND 3.0 MOTORS



## TECINSPECT® DIAGNOSTIC TOOL CATALOG #GA447

The TECINspect diagnostic tool is capable of providing simple, fast and accurate diagnostics of Genteq constant airflow (variable speed) OEM indoor blower models 2.0, 2.3, EON and 3.0 Electronically Commutated Motor (ECM).

# ACCESSORIES FOR EVERGREEN® EM AND CM MOTORS



## 0-10 VDC HARNESS KIT CATALOG #5K007

With this harness, connect 0-10 VDC controls directly to Evergreen EM and CM motors to select precise operating points from 600-1200 RPM to dial in system performance.



## PWM CONTROL (SINGLE INPUT) CATALOG #760ECM

This control converts a single 24 VAC thermostat or motor demand to a PWM signal with a manually adjustable range of 600-1200 RPM to set a precise operating point.

# ACCESSORIES FOR EVERGREEN VS MOTORS

## CATALOG #5K010V EVERGREEN VS USER INTERFACE

Sold separately and installed permanently with the Evergreen VS motor



## CATALOG #5K015 GENTEQ 16-4 PIN ADAPTER

Sold separately and installed permanently with the Evergreen VS motor



## CATALOG #5K016 EVERGREEN ROTATION REVERSING HARNESS

The Evergreen VS motor will automatically configure rotation to match the application. The rotation reversing harness is only needed if the motor does not operate the correct direction following the installation instructions.



\*Attribution statement appears on last page.

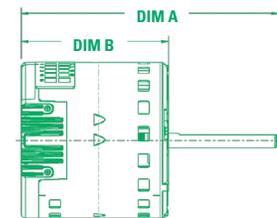
# MOTOR SPECIFICATIONS FOR EVERGREEN® MOTORS

MODEL	STOCK	HP	VOLTS	FLA	RPM	SPEEDS	SHAFT	DIM A	DIM B
<b>Evergreen® EM Motors</b> <i>Dual Voltage Design</i> X13, Endura® Pro, Ensight® and Ensight Air Motor Replacement	6203X	1/3	115/208-230	4.1/2.8	1050	5/PWM	.5" x 5" (4.5" SF)	10.67"	5.74"
	6205X	1/2	115/208-230	6.4/4.1	1050	5/PWM	.5" x 5" (4.5" SF)	10.91"	5.99"
	6207X	3/4	115/208-230	8.4/6.0	1050	5/PWM	.5" x 5" (4.5" SF)	11.41"	6.49"
	6210X	1	115/208-230	12.2/9.0	1050	5/PWM	.5" x 5" (4.5" SF)	12.45"	7.53"
<b>Evergreen CM Motors</b> X13 and Endura Pro Motor Replacement	6703	1/3	208-230/277	2.8	1075	5/PWM	.5" x 4" (3.5" SF)	9.17"	5.25"
	6705	1/2	208-230/277	4.1	1075	5/PWM	.5" x 4" (3.5" SF)	9.67"	5.75"
	6707	3/4	208-230/277	6.0	1075	5/PWM	.5" x 4" (3.5" SF)	10.42"	6.5"
	6710	1	208-230/277	7.6	1075	5/PWM	.5" x 4" (3.5" SF)	11.17"	7.25"
	6405	1/2	460	2.1	1075	5/PWM	.5" x 4" (3.5" SF)	10.53"	6.61"
	6407	3/4	460	3.1	1075	5/PWM	.5" x 4" (3.5" SF)	11.28"	7.36"
	6410	1	460	4.0	1075	5/PWM	.5" x 4" (3.5" SF)	12.03"	8.11"
<b>Evergreen VS Motors</b> Variable Speed Replacement Motor	6503V	1/3	120/240	5.0/2.8	1050	Variable	.5" x 5" (4.5" SF)	10.71"	5.71"
	6505V	1/2	120/240	7.7/4.3	1050	Variable	.5" x 5" (4.5" SF)	11.21"	6.21"
	6507V	3/4	120/240	10.1/6.1	1050	Variable	.5" x 5" (4.5" SF)	11.96"	6.96"
	6510V	1	120/240	12.8/7.4	1050	Variable	.5" x 5" (4.5" SF)	12.71"	7.71"
<b>Evergreen VS Motors with User Interface</b> Variable Speed Replacement Motor	6503VUI	1/3	120/240	5.0/2.8	1050	Variable	.5" x 5" (4.5" SF)	10.71"	5.71"
	6505VUI	1/2	120/240	7.7/4.3	1050	Variable	.5" x 5" (4.5" SF)	11.21"	6.21"
	6507VUI	3/4	120/240	10.1/6.1	1050	Variable	.5" x 5" (4.5" SF)	11.96"	6.96"
	6510VUI	1	120/240	12.8/7.4	1050	Variable	.5" x 5" (4.5" SF)	12.71"	7.71"
<b>Evergreen IM Motors</b> PSC Replacement Motor	6005	1/2 (1/2, 1/3, 1/4, 1/5)	115/230	6.7/4.0	1075	5	.5" x 5" (4.5" SF)	11.26"	6.34"
	6010	1 (1,3/4,1/2)	115/230	11.0/6.7	1075	5	.5" x 5" (4.5" SF)	12.76"	7.84"
<b>Evergreen DS Motor</b>	6007DS	3/4 (3/4,1/2,1/3)	115/208-230	11.0/6.7	1070	5	6.75" x .5" x 6.75"	-	-
<b>NEW!</b> <b>Evergreen OM Motors</b> PSC Replacement Motor	6303S	1/3-1/12	208-230	2.8	825/1075	2	.5" x 6.5" (6" SF)	10.98"	4.39"
	6303R	1/3-1/10	208-230	3.5	850/1100	2	.5" x 5.5" (5" SF)	9.79"	4.23"

ROTATION: Reversible // FRAME: NEMA®\* 48

Evergreen Accessories	Part Number	Description
	5K010V	Evergreen VS User Interface*
	5K015	Genteq® 16-4 Pin Adapter*
	5K016	Evergreen Rotation Reversing Harness**▲

- \* Sold separately and installed permanently with the motor.
- ▲ The Evergreen VS motor will automatically configure rotation to match the application. The rotation reversing harness (#5K016) is only needed if the motor does not operate the correct direction following the installation instructions.





**ONLINE EVERGREEN CROSS REFERENCE TOOL**

Our online cross reference tool allows you to cross reference a Genteq OEM ECM model number to an exact Genteq Evergreen replacement motor. Scan this code with your smart phone or go to [www.regalrexnord.com/cross-reference](http://www.regalrexnord.com/cross-reference)

**FOLLOW THIS GUIDE TO LOCATE THE GENTEQ ECM MODEL NUMBER.**



# HVAC MOTOR REPLACEMENT SOLUTIONS

INDOOR BLOWER MOTORS	EVERGREEN® REPLACEMENT OPTIONS
 <p><b>INDUCTION MOTORS</b> Shaded Pole or PSC (typically built with two brown or purple run capacitor wires)</p>	<p><b>EVERGREEN® IM &amp; DS MOTORS</b> (See pages 12-13)</p> <ul style="list-style-type: none"> <li>Match VAC, RPM and HP ratings</li> <li>The FLA (amperage) rating does not need to match</li> <li>If the old motor does not use a belly band mount, a new mount will be needed</li> </ul> 
 <p><b>CONSTANT TORQUE ECM MOTORS</b></p> <ul style="list-style-type: none"> <li>Genteq® models X13, Endura® Pro, Ensite® and Ensire Air motors</li> <li>US Motors®* SelecTech®* and RESCUE SELECT®* motors</li> <li>Broad Ocean®* motors (with 24 VAC speed taps)</li> </ul>	<p><b>EVERGREEN® EM &amp; CM MOTORS</b> (See pages 6-9)</p> <ul style="list-style-type: none"> <li>Match VAC and HP ratings</li> <li>The FLA (amperage) and RPM ratings do not need to match</li> </ul> 
 <p><b>CONSTANT AIRFLOW (VARIABLE SPEED) ECM MOTORS</b> (GE® model 2.0, Genteq models 2.3, 5.0, Eon® and Eon 5.0 motors) <b>Note:</b> The model 2.3 motor has the same physical appearance as the model 2.5 motor. Always confirm the model name on the motor or use the online cross reference tool located on the bottom of page 18 if needed.</p>	<p><b>EVERGREEN® VS MOTORS &amp; USER INTERFACE (UI)</b> (See pages 10-11)</p> <ul style="list-style-type: none"> <li>Match VAC and HP ratings</li> <li>The FLA (amperage) and RPM ratings do not need to match</li> <li>The UI (#5K010V) is required for this application and is installed permanently with the motor. This part is sold individually OR now together in one box.</li> </ul> 
 <p><b>CONSTANT AIRFLOW (VARIABLE SPEED) ECM MOTORS</b> (GE® model 2.5 motor) <b>Note:</b> The model 2.5 motor has the same physical appearance as the model 2.3 motor. Always confirm the model name on the motor or use the online cross reference tool located on the bottom of page 18 if needed.</p>	<p><b>EVERGREEN® VS MOTORS &amp; 16-4 PIN ADAPTER</b> (See pages 10-11)</p> <ul style="list-style-type: none"> <li>Match VAC and HP ratings</li> <li>The FLA (amperage) and RPM ratings do not need to match</li> <li>The 16-4 Pin Adapter (#5K015) is required for this application and is installed permanently with the motor.</li> <li>This part is sold separately from the motor.</li> </ul> 
 <p><b>CONSTANT AIRFLOW (VARIABLE SPEED) ECM MOTORS</b> (Genteq models 3.0 and Eon+® motors, also branded as Eon Serial)</p>	<p><b>EVERGREEN® VS MOTORS</b> (See pages 10-11)</p> <ul style="list-style-type: none"> <li>Match VAC and HP ratings</li> <li>The FLA (amperage) and RPM ratings do not need to match</li> </ul> 
OUTDOOR FAN MOTORS	EVERGREEN REPLACEMENT OPTIONS
 <p><b>INDUCTION MOTORS</b> Shaded Pole or PSC motors ONLY</p>	<p><b>EVERGREEN® OM MOTORS</b> (See pages 14-15)</p> <ul style="list-style-type: none"> <li>Stock #6303S</li> <li>Match VAC and HP ratings</li> <li>Installs and connects just like a PSC motor</li> <li>Shaft down or horizontal applications</li> </ul> <p><b>REMOTE MOUNT OPTION</b></p> <ul style="list-style-type: none"> <li>Stock #6303R</li> <li>Remote mount control</li> <li>All angle mount</li> <li>OEM mounting holes</li> </ul> 



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## THE DEALER TOOLBOX | [www.thedealertools.com](http://www.thedealertools.com)

Originally launched in 2001, this site provides HVAC technicians, contractors, distributors, students and instructors support for Century®, Fasco®, and Genteq® products. Learn more about our technical and product installation information and service tools:

- Genteq ECM Motor Cross Reference Tool
- Fasco Draft Inducer Cross Reference Tool
- HVAC/R Induction Motor Cross Reference Tool
- Genteq OEM ECM Motor Technical Support
- Evergreen ECM Motor Technical Support
- Distributor Locator

## THE DEALER TOOLBELT APP

The Dealer Toolbelt app makes it easy for you to access our training and service resources on the job or wherever you need them including:

- Resource Center: Cross reference tools, OEM ECM motor diagnostics, and Distributor Locator
- Motor Mastery University: Find the knowledge, tools and resources to get the job done
- Evergreen VS Optimizer® Tool: Compatible with Evergreen VS User Interface Stock #5K010V
- Evergreen Technical Support: Product information, installation guides, and videos



### Regal Rexnord

Customer Service: 800-672-6495

Fax: 800-468-2062

[ECMMadeEasy.com](http://ECMMadeEasy.com)

[regalrexnord.com](http://regalrexnord.com)

Search "**Dealer Toolbelt**" to download this free powerful app from the Apple Store®\* or Google Play™\*.



The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>. To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale>.

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