



Evergreen®

**EVER EFFICIENT. EVER RELIABLE.
EVER PROFITABLE.**

REGAL®

ECM MOTOR SOLUTIONS



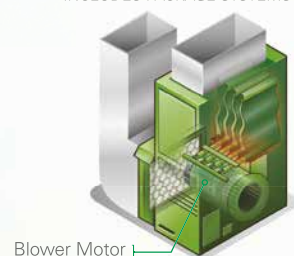
Replace OEM ECM X13® Motors with **Evergreen® EM Motors**



RESIDENTIAL/LIGHT COMMERCIAL HVAC SYSTEMS
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*

FURNACE AIR HANDLERS
INCLUDES PACKAGE SYSTEMS



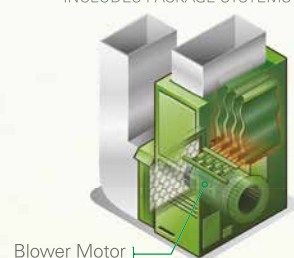
Replace OEM ECM X13® Motors with **Evergreen® CM Motors**



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*

FURNACE AIR HANDLERS
INCLUDES PACKAGE SYSTEMS



Replace OEM ECM Variable Speed Motors with **Evergreen® VS Motors**



RESIDENTIAL/LIGHT COMMERCIAL HVAC SYSTEMS
INDOOR BLOWER APPLICATIONS

- Replaces Genteq® motor 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*

FURNACE AIR HANDLERS
INCLUDES PACKAGE SYSTEMS



* This warranty shall expire twenty-four (24) months from first use of the Product or thirty (30) months from date of shipment of the Product, whichever occurs first. Except as stated here, Regal standard limited warranty applies. See www.regalbeloit.com (Terms and Conditions of Sale).

PSC MOTOR SOLUTIONS



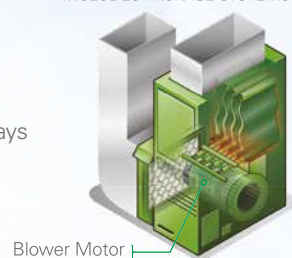
Upgrade/Replace PSC Indoor Blower Motors with **Evergreen® IM Motors**



RESIDENTIAL/LIGHT COMMERCIAL HVAC SYSTEMS

- Reduce truck stock
- Increase energy savings
- Increase comfort and indoor air quality
- Decrease continuous fan noise and power consumption
- Easy drop-in replacement - connects directly to fan boards or relays
- Two year warranty*

FURNACE AIR HANDLERS INCLUDES PACKAGE SYSTEMS



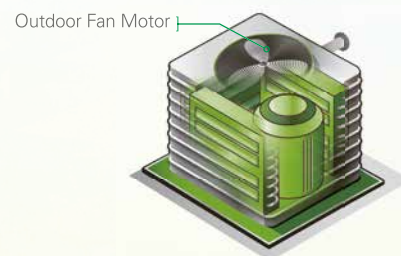
Upgrade/Replace PSC Outdoor Fan Motors with **Evergreen® OM Motors**



RESIDENTIAL/LIGHT COMMERCIAL HVAC SYSTEMS

- Drop-in replacement for induction motors
- Easy retrofit – line voltage connections
- Quiet start and operation
- Dual rotation (CW/CCW)
- Efficiency up to 80%
- Two year warranty*

A/C & HEAT PUMP UNITS INCLUDES PACKAGE SYSTEMS



* This warranty shall expire twenty-four (24) months from first use of the Product or thirty (30) months from date of shipment of the Product, whichever occurs first. Except as stated here, Regal standard limited warranty applies. See www.regalbeloit.com (Terms and Conditions of Sale).

ECM MADE EASY™

What If...
you could replace 32 PSC motors with just 3 ECM motors?

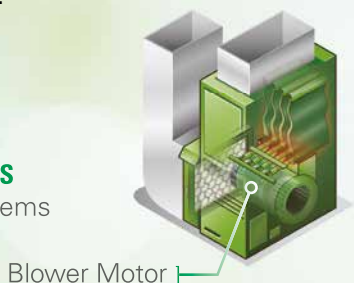
Evergreen® IM

INDOOR BLOWER MOTOR

2 Evergreen® IM motors replace **16** of the most common PSC motor ratings.

FURNACE AIR HANDLERS

Includes Package Systems



115-230 VAC
1/2-1 1/5 HP
CW / CCW
CAT #6005



115-230 VAC
1-1 1/2 HP
CW / CCW
CAT #6010

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 1/4 HP CW	115 V 1/3 HP CW	115 V 1/2 HP CW	115 V 3/4 HP CW
230V 1/4 HP CCW	230V 1/3 HP CCW	230V 1/2 HP CCW	230V 3/4 HP CCW
230V 1/4 HP CW	230V 1/3 HP CW	230V 1/2 HP CW	230V 3/4 HP CW

Evergreen® OM

OUTDOOR FAN MOTOR

1 Evergreen® OM motor replaces **16** of the most common PSC motor ratings.

A/C & HEAT PUMP UNITS

Includes Package Systems



230 VAC
1/3-1 1/10 HP
CW / CCW
CAT #6303

48 FRAME / 230 VAC OUTDOOR FAN MOTORS

825 RPM 1/8 HP CCW	825 RPM 1/6 HP CCW	825 RPM 1/4 HP CCW	825 RPM 1/3 HP CCW
825 RPM 1/8 HP CW	825 RPM 1/6 HP CW	825 RPM 1/4 HP CW	825 RPM 1/3 HP CW
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 1/6 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 ECM replacement with minimal inventory burden, fast and easy installation, and energy savings, which in turn increases the value for the dealer, installer and homeowner. Convert your truck from 32 motors to 3 ECM motors!

BETTER FOR YOU



Technician Friendly
Increase Profits
Reduce Truck Stock

HOW CAN HAVING THE RIGHT INVENTORY ON THE TRUCK IMPROVE YOUR BOTTOM LINE?

- Complete after hours calls
- Complete more jobs per day
- Reduce expenses associated with driving to get parts including labor, wear on truck, and fuel
- Reduce inventory on truck creating more space for other valuable parts or smaller, economical trucks

BETTER FOR YOUR CUSTOMERS



Same Day Completion
Energy Savings
Improve Comfort and IAQ

HOW CAN HAVING THE RIGHT INVENTORY ON THE TRUCK INCREASE CUSTOMER SATISFACTION?

- Complete all calls the same day including after hours calls
- Reduce time on call using part on truck
- Two year warranty*
- Reliability of proven ECM technology
- 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



* This warranty shall expire twenty-four (24) months from first use of the Product or thirty (30) months from date of shipment of the Product, whichever occurs first. Except as stated here, Regal standard limited warranty applies. See www.regalbeloit.com (Terms and Conditions of Sale).

Evergreen® IM Motors

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



Rotation Sensing Technology™

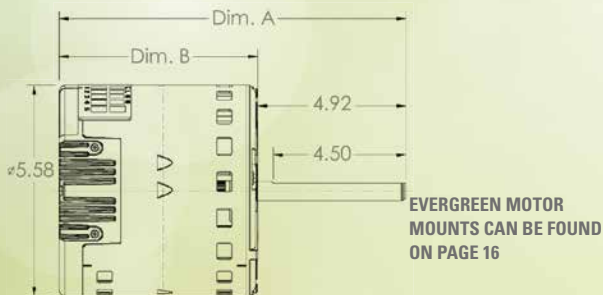


With Evergreen® IM motors, you'll give your customers the efficiency and comfort of a new ECM driven system, without replacing the entire system. Simply replace their PSC motor with an Evergreen IM motor. It's not only easy to install, but it can also reduce your inventory and increase your profits.

RELIABILITY

- Encapsulated electronics
- Electronic overload protection
- 6kV surge protection
- Two year warranty*
- UL and CSA recognized component

* This warranty shall expire twenty-four (24) months from first use of the Product or thirty (30) months from date of shipment of the Product, whichever occurs first. Except as stated here, Regal standard limited warranty applies. See www.regalbeloit.com (Terms and Conditions of Sale).



Calculate energy savings quickly and easily with our Energy Savings Calculator.

Download the Dealer Toolbelt app, which includes the Evergreen Energy Savings Calculator. Utility rebates may be available in your area.

CONTRACTOR BENEFITS

- Reduce truck stock and get the job done
- No capacitors required
- Connects directly to existing relays or circuit boards
- No additional relays or wires needed
- Automatically determines motor direction
- Two motors replace the following ratings:
 - » 1/5, 1/4, 1/3, 1/2, 3/4 & 1 horsepower
 - » 115 & 208-230 VAC
 - » CW and CCW rotation
 - » 1000-1075 RPM
 - » Direct drive - 48 frame

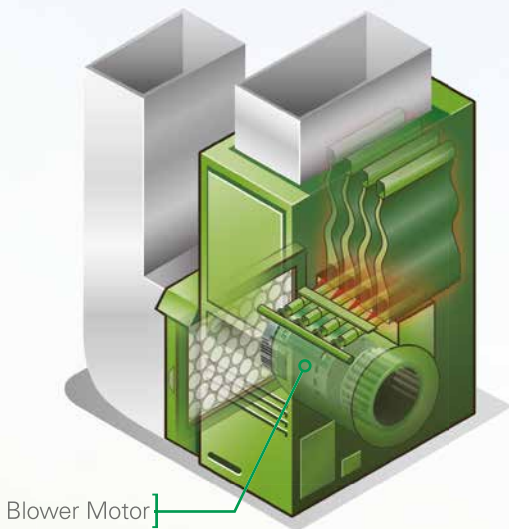
CONSUMER BENEFITS

- Energy savings
 - » Free energy savings calculator app
 - » 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
- Constant torque technology
 - » Automatically supports airflow due to filter loading

Evergreen® IM Applications

FURNACE AIR HANDLERS

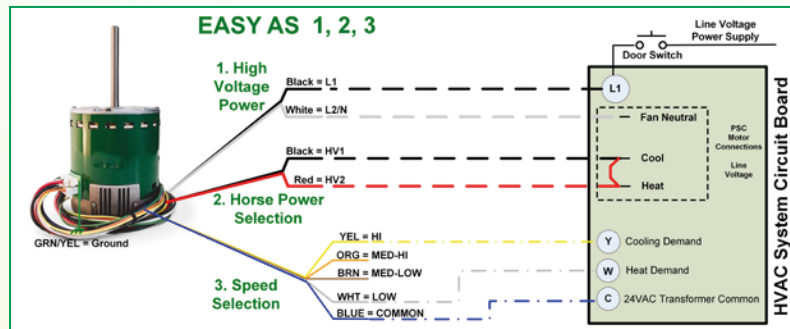
INCLUDES PACKAGE SYSTEMS



Evergreen® IM Motor

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

Horsepower: 1/4-1
RPM Rating: 1075
Voltage: 120 & 208-230
Rotation: CW & CCW



Evergreen® IM Motors

STOCK	HP	VOLTS	FLA	RPM	SPEEDS	SHAFT	DIM A	DIM B
6005	1/2 (1/2, 1/3, 1/4)	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

Stock No. Cross Reference

EVERGREEN® MOTOR STOCK NO.	US MOTORS® STOCK NO.	AZURE®/MARS® STOCK NO.	MARS STOCK NO.	CENTURY® MOTOR STOCK NO.
6005	5520ET, 5521ET, 5530ET, 5531ET, 5522ET, 5532ET	10800*	10860*	CSL1056, CS1056
6010	5540ET, 5541ET, 5550ET, 5551ET, 5542ET, 5552ET	10801*	10861*	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® EM Motors

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

[115 OR 208-230 VAC APPLICATIONS]



Rotation Sensing Technology™



Evergreen® EM motor is a drop-in replacement for constant torque ECM such as Genteq X13® and Endura® Pro motors or equivalent competitor models with 24 VAC speed taps. 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.

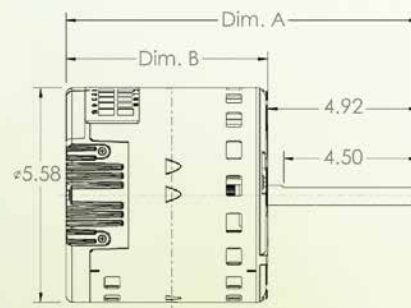
BENEFITS

- Replaces Genteq X13® and Endura® Pro motors and similar constant torque ECM with 24 VAC speed taps
- Pre-programmed for truck stock, ready to use out of the box
- (5) 24 VAC speed taps (Low-High)
- Compatible with OEM harness
- No complex wiring or configuration
- Automatically determines motor direction using Regal's 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*
- UL and CSA recognized component

* This warranty shall expire twenty-four (24) months from first use of the Product or thirty (30) months from date of shipment of the Product, whichever occurs first. Except as stated here, Regal standard limited warranty applies. See www.regalbeloit.com (Terms and Conditions of Sale).

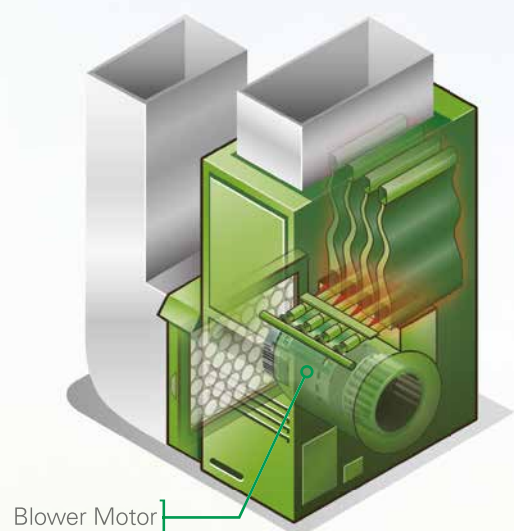


MOTOR MOUNT FOR OEM INDOOR BLOWER MOTOR APPLICATIONS WITH 4 WELDED LEGS CAN BE FOUND ON PAGE 16

Evergreen® EM Applications

FURNACE AIR HANDLERS

INCLUDES PACKAGE SYSTEMS



Evergreen® EM Motor

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

Horsepower: 1/3-1
RPM Rating: 1070
Voltage: 115 or 208-230
Rotation: CW & CCW

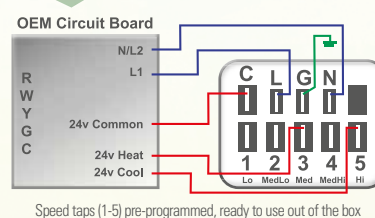
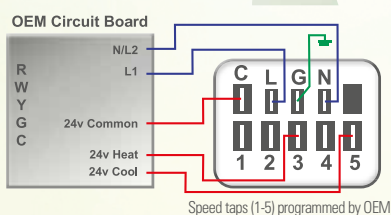
Constant Torque ECM Genteq® X13®
or Similar Competitors' Models



EASY AS 1, 2 DONE

1. Transfer wires or plugs to same connections

2. Adjust speed taps for proper demand airflow



Evergreen® EM Motors

STOCK	HP	VOLTS	FLA	RPM	SPEEDS	SHAFT	DIM A	DIM B
6103E	1/3	115	4.8	1075	5/PWM	.5" x 5" (4.5" SF)	10.17"	5.25"
6105E	1/2	115	6.8	1075	5/PWM	.5" x 5" (4.5" SF)	10.67"	5.75"
6107E	3/4	115	8.4	1075	5/PWM	.5" x 5" (4.5" SF)	11.42"	6.5"
6110E	1	115	10.9	1075	5/PWM	.5" x 5" (4.5" SF)	12.17"	7.25"
6203E	1/3	208-230	2.8	1075	5/PWM	.5" x 5" (4.5" SF)	10.17"	5.25"
6205E	1/2	208-230	4.1	1075	5/PWM	.5" x 5" (4.5" SF)	10.67"	5.75"
6207E	3/4	208-230	6.0	1075	5/PWM	.5" x 5" (4.5" SF)	11.42"	6.5"
6210E	1	208-230	7.6	1075	5/PWM	.5" x 5" (4.5" SF)	12.17"	7.25"

ROTATION: Reversible // FRAME: NEMA 48

ECMMadeEasy.com



Evergreen® CM motor is a drop-in replacement for constant torque ECM such as Genteq® X13® and Endura® Pro motors or equivalent competitor models with 24 VAC speed taps. 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

- Replaces Genteq® X13® and Endura® Pro motors and similar constant torque ECM with 24 VAC speed taps
- Pre-programmed for truck stock; ready to use out of the box
- (5) 24 VAC speed taps (Low-High)
- Compatible with OEM harness
- No complex wiring or configuration
- Automatically determines motor direction using Regal's Rotation Sensing Technology™
- Maintains system efficiency and performance
- Soft start and off-ramp for quiet operation

Evergreen® CM Motors

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

[208-230/277 OR 460 VAC APPLICATIONS]

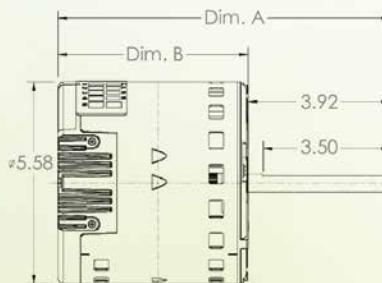


Rotation Sensing Technology™

RELIABILITY

- Encapsulated electronics
- Electronic overload protection
- 4kV surge protection
- Two year warranty*
- UL and CSA recognized component

* This warranty shall expire twenty-four (24) months from first use of the Product or thirty (30) months from date of shipment of the Product, whichever occurs first. Except as stated here, Regal standard limited warranty applies. See www.regalbeloit.com (Terms and Conditions of Sale).

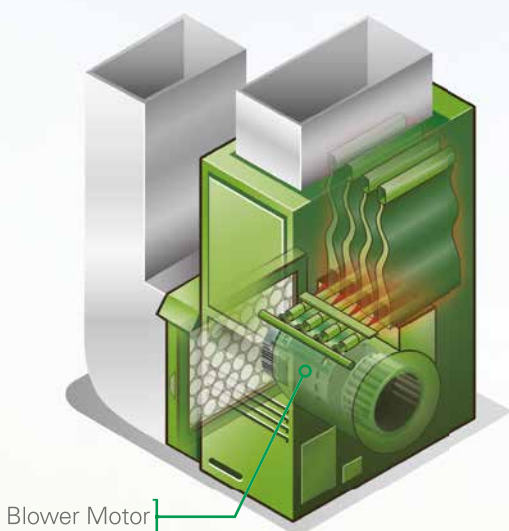


EVERGREEN® MOTOR MOUNTS CAN BE FOUND ON PAGE 16

Evergreen® CM Applications

FURNACE 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: 1070
Voltage: 208-230/277 or 460
Rotation: CW & CCW

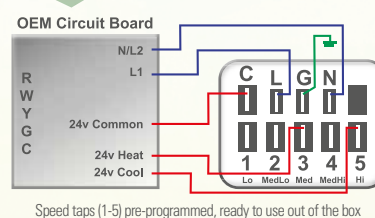
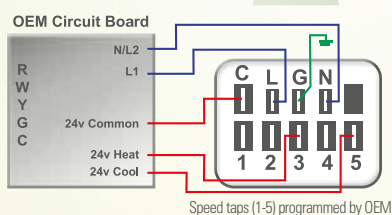
Constant Torque Genteq® X13® ECM
or Similar Competitors' Models



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® OM Motors

DESIGNED TO REPLACE FACTORY PSC OUTDOOR FAN MOTORS IN HVAC SYSTEMS.



Evergreen® OM motor is a versatile high efficiency ECM designed to replace induction motors (shaded pole or PSC) in 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).

FEATURES

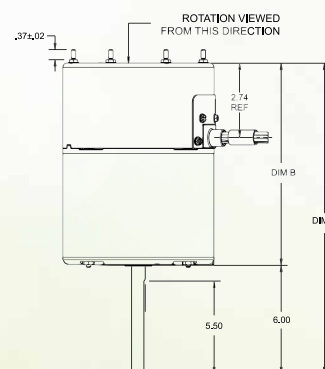
- Reduce truck stock
- 230 VAC model (stock #'s 6301 & 6303)
- Two motors replace induction motors rated:
 - » 208-240 VAC
 - » 1/10-1/3 HP
 - » 6-pole (1000-1100 RPM) & 8-pole (800-850 RPM)
 - » CCW or CW
 - » NEMA 48-frame with 1/2" shaft
 - » Horizontal and vertical shaft down (VSD) mounting
- 460 VAC model (Stock #'s 6903, 6905 & 6907)
- Three motors replace induction motors rated:
 - » 460 VAC
 - » 1/3-3/4 HP
 - » 6-pole (1000-1100 RPM) & 8-pole (800-850 RPM)
 - » CCW or CW
 - » NEMA 48-frame with 1/2" shaft
 - » Horizontal and vertical shaft down (VSD) mounting
- Easy retrofit
- 60°C ambient rated
- Efficiency up to 80% for improved system efficiency
- PWM enabled for multi-speed or low ambient controls
- Quiet start and operation

* This warranty shall expire twenty-four (24) months from first use of the Product or thirty (30) months from date of shipment of the Product, whichever occurs first. Except as stated here, Regal standard limited warranty applies. See www.regalbeloit.com (Terms and Conditions of Sale).

RELIABILITY

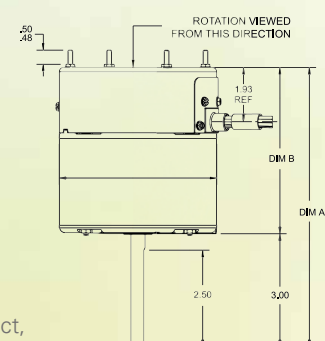
- Encapsulated electronics
- Electronic overload protection
- 6kV surge protection
- Two year warranty*
- UL and CSA recognized component
- 60° C Ambient rating

460 VAC models 6903, 6905 & 6907



**MOTOR MOUNT KIT USED
IN PLACE OF MOUNTING
CABLES IN OEM
OUTDOOR FAN MOTOR
APPLICATIONS CAN BE
FOUND ON PAGE 16**

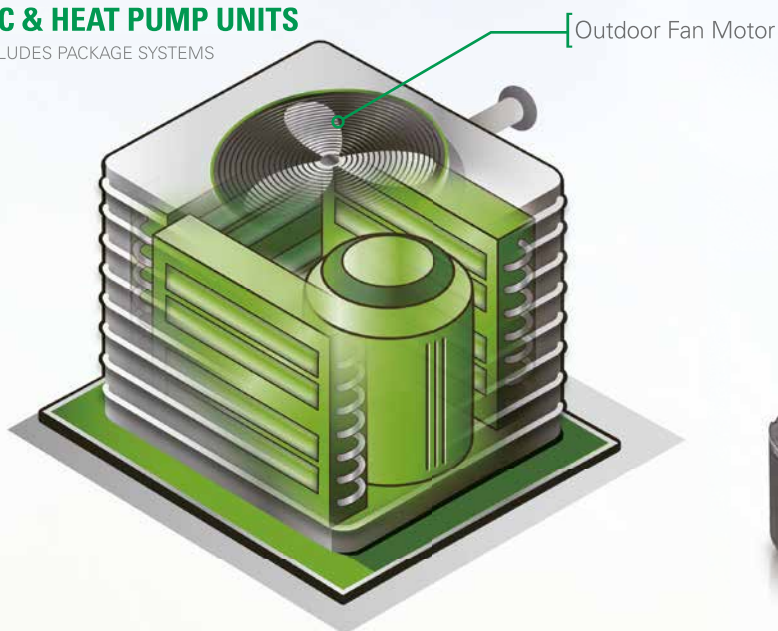
230v models 6301 & 6303



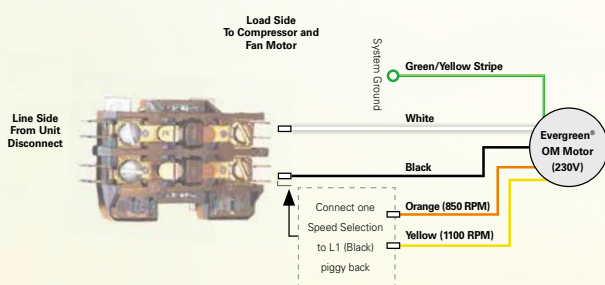
Evergreen® OM Applications

A/C & HEAT PUMP UNITS

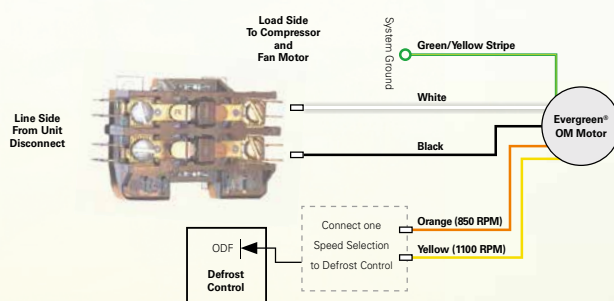
INCLUDES PACKAGE SYSTEMS



A/C APPLICATIONS



HEAT PUMP APPLICATIONS



Evergreen® OM Motors

STOCK	HP	VOLTS	FLA	RPM	SPEEDS	SHAFT	DIM A	DIM B
6301	1/5	208-240	2.8	850/1100	2	.5" x 3" (2.5" SF)	8.49"	5.45"
6303	1/3	208-240	3.5	850/1100	2	.5" x 3" (2.5" SF)	8.99"	5.95"
6903	1/3	460	1.6	850/1100	2/PWM	.5" x 6" (5.5" SF)	12.82"	6.77"
6905	1/2	460	2.5	850/1100	2/PWM	.5" x 6" (5.5" SF)	13.57"	7.53"
6907	3/4	460	3.1	850/1100	2/PWM	.5" x 6" (5.5" SF)	14.31"	8.27"

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 GENTEQ MODELS 2.3, EON® AND 3.0 MOTORS.

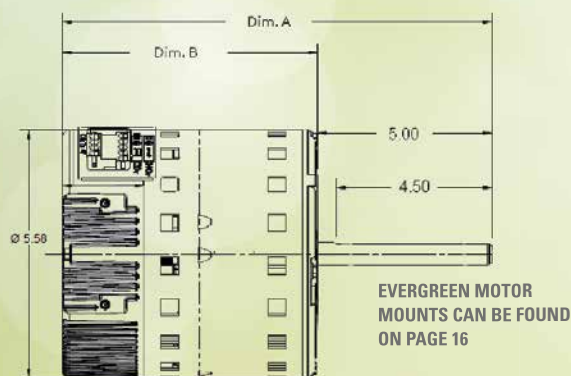


Evergreen® VS product line is designed specifically to replace Genteq models 2.3, Eon® and 3.0 motors. These motors represent the largest volume of variable speed motors used in HVAC OEM applications to date in the indoor blower motor segment.

RELIABILITY

- Encapsulated electronics
- Electronic overload protection
- 6kV surge protection
- Two year warranty*
- UL and CSA recognized component

* This warranty shall expire twenty-four (24) months from first use of the Product or thirty (30) months from date of shipment of the Product, whichever occurs first. Except as stated here, Regal standard limited warranty applies. See www.regalbeloit.com (Terms and Conditions of Sale).



For more information on Evergreen® VS motors and user interface, scan this code with your smart phone or go to: www.EvergreenVS-motors.com

GENTEQ® MODEL 2.3 AND EON® MOTOR REPLACEMENT (16-PIN)



16-PIN SOLUTION

The Evergreen® VS motor and User Interface (5K010) are used together to replace the Genteq® model 2.3 or Eon® motor. All wires and harnesses provided.

GENTEQ® MODEL 3.0 MOTOR REPLACEMENT (4-PIN)



4-PIN SOLUTION

The Evergreen® VS motor is a direct replacement for the Genteq® model 3.0 motor.

CONTRACTOR BENEFITS

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

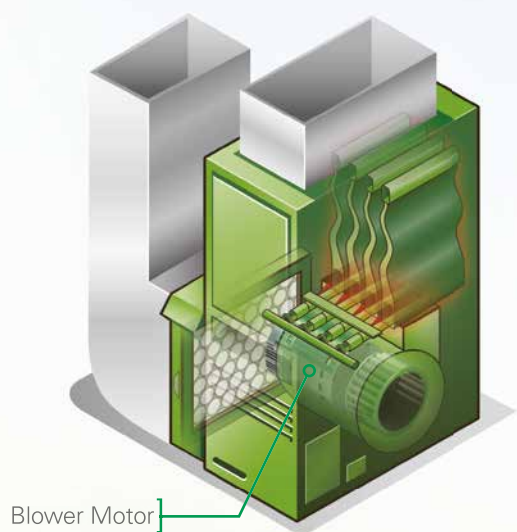
CONSUMER BENEFITS

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

Evergreen® VS Applications

FURNACE AIR HANDLERS

INCLUDES PACKAGE SYSTEMS



Evergreen® VS Product Line



Genteq® ECM model 3.0 motor



Evergreen® VS motor

PLUG-N-PLAY

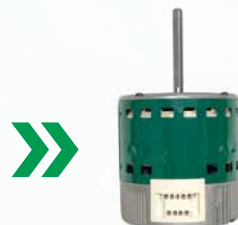
Connect OEM plugs...DONE!



Genteq® ECM model 2.3 motor



Genteq® ECM model Eon® motor



Evergreen® VS motor



Evergreen® VS user interface stock # 5K010

EASY AS 1, 2, 3

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

Evergreen® VS User Interface

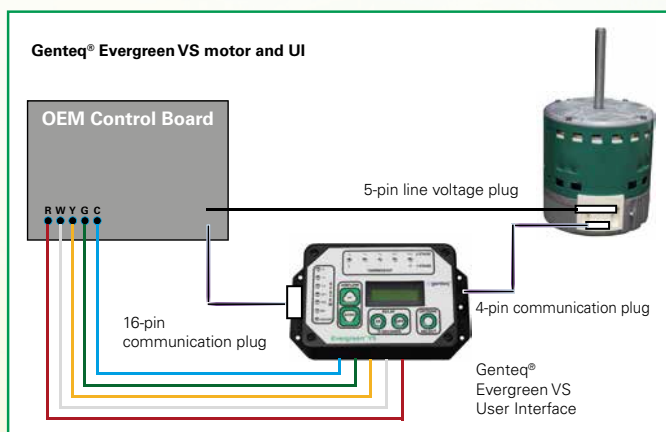
STOCK

5K010

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" (3.5" SF)	10.71"	5.71"
6505V	1/2	120/240	7.7/4.3	1050	Variable	.5" x 5" (3.5" SF)	11.21"	6.21"
6507V	3/4	120/240	10.1/6.1	1050	Variable	.5" x 5" (3.5" SF)	11.96"	6.96"
6510V	1	120/240	12.8/7.4	1050	Variable	.5" x 5" (3.5" SF)	12.71"	7.71"

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



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.

MOTOR MOUNTS FOR EVERGREEN® 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.

GENTEQ® MOUNTING KITS



CATALOG #GA556

9-10" bolt circle
torsion flex

NEMA 48 Frame
(5.6" dia.) 3 legs

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



CATALOG #5K002

Motor mount for installing
Evergreen® EM motor in OEM
indoor blower motor applications
with Genteq® X13® or Endura® Pro
motors with 4 welded legs.



CATALOG #5K003

10" bolt circle



CATALOG #5K004

11" bolt circle

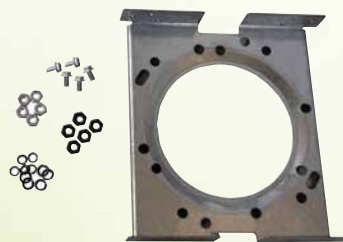
NEMA 48 frame
(5.6" dia.) 3 legs



CATALOG #5K005

13" bolt circle

NEMA 48 frame
(5.6" dia.) 4 legs



CATALOG #2098A

Used in place of mounting
cables in OEM outdoor fan
motor applications. Kit includes
mounting hardware and assembly
instructions.

ACCESSORIES FOR EVERGREEN® EM & CM MOTORS



EVERGREEN® INTUNE® WIFI PROGRAMMER CATALOG #5K006

Provides wireless connection from a smart phone to Evergreen® EM and CM motors for realtime adjustment of the motor's operating point. Saves time adjusting airflow performance while the motor is operating in the HVAC system. Set a precise operating point from 600-1200 RPM on each of 5 speed taps to dial in system performance.



0-10 VDC HARNESS KIT CATALOG #5K007

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

ACCESSORIES FOR EVERGREEN® EM, CM & OM MOTORS



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.*

PWM CONTROL (4 INPUTS) CATALOG #CTL764

This control converts up to 4 individual 24 VAC thermostat or motor demands to a PWM signal with a manually adjustable range of 600-1200 RPM to set a precise operating point for each demand individually.*



PWM CONTROL CATALOG #792ECM

This control will accept either a 2-10 VDC input or 4-20 mA input signal. The PWM output signal will scale from 0%-100% over the input signal range which will range the motor from 600-1200 RPM.*



* Evergreen® OM motor catalog #'s 6301 and 6303 require PWM harness (catalog #5K008) for compatibility with this control.

ACCESSORIES FOR EVERGREEN® OM MOTORS



PWM HARNESS CATALOG #5K008

This harness is applicable to Evergreen® OM motor (230 VAC) Catalog #'s 6301 & 6303. It converts the 24 VAC speed tap inputs to a single PWM input compatible with the following controls:

- 760ECM - see description above
- CTL764 - see description above
- 792ECM - see description above
- 88020ECM - see description to the right



PWM LOW AMBIENT HEAD PRESSURE CONTROLLER CATALOG #88020ECM

This control directly modulates ECM condenser fan motors via PWM signal in low ambient temperatures, varying the volume of air throughout the condenser, to regulate head pressure. Evergreen® OM motor catalog #'s 6301 and 6303 require PWM harness (catalog #5K008) for compatibility with this control.



Evergreen®

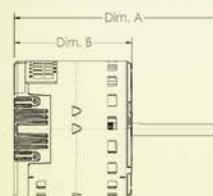
EVERGREEN® MOTOR SPECIFICATIONS OVERVIEW

MODEL	STOCK	HP	VOLTS	FLA	RPM	SPEEDS	SHAFT	DIM A	DIM B
Evergreen® IM Motors (PSC Replacement Motor)	6005	1/2 (1/2,1/3,1/4)	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"
Evergreen® EM Motors (X13® Motor Replacement)	6103E	1/3	115	4.8	1075	5/PWM	.5" x 5" (4.5" SF)	10.17"	5.25"
	6105E	1/2	115	6.8	1075	5/PWM	.5" x 5" (4.5" SF)	10.67"	5.75"
	6107E	3/4	115	8.4	1075	5/PWM	.5" x 5" (4.5" SF)	11.42"	6.5"
	6110E	1	115	10.9	1075	5/PWM	.5" x 5" (4.5" SF)	12.17"	7.25"
	6203E	1/3	208-230	2.8	1075	5/PWM	.5" x 5" (4.5" SF)	10.17"	5.25"
	6205E	1/2	208-230	4.1	1075	5/PWM	.5" x 5" (4.5" SF)	10.67"	5.75"
	6207E	3/4	208-230	6.0	1075	5/PWM	.5" x 5" (4.5" SF)	11.42"	6.5"
	6210E	1	208-230	7.6	1075	5/PWM	.5" x 5" (4.5" SF)	12.17"	7.25"
Evergreen® CM Motors (X13® 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"
Evergreen® OM Motors (PSC Outdoor Replacement Motor)	6301	1/5	208-240	2.8	850/1100	2	.5" x 3" (2.5" SF)	8.49"	5.45"
	6303	1/3	208-240	3.5	850/1100	2	.5" x 3" (2.5" SF)	8.99"	5.95"
	6903	1/3	460	1.6	850/1100	2/PWM	.5" x 6" (5.5" SF)	12.82"	6.77"
	6905	1/2	460	2.5	850/1100	2/PWM	.5" x 6" (5.5" SF)	13.57"	7.53"
	6907	3/4	460	3.1	850/1100	2/PWM	.5" x 6" (5.5" SF)	14.31"	8.27"
Evergreen® VS Motors (Variable Speed Replacement Motor)	6503V	1/3	120/240	5.0/2.8	1050	Variable	.5" x 5" (3.5" SF)	10.71"	5.71"
	6505V	1/2	120/240	7.7/4.3	1050	Variable	.5" x 5" (3.5" SF)	11.21"	6.21"
	6507V	3/4	120/240	10.1/6.1	1050	Variable	.5" x 5" (3.5" SF)	11.96"	6.96"
	6510V	1	120/240	12.8/7.4	1050	Variable	.5" x 5" (3.5" SF)	12.71"	7.71"

— ROTATION: Reversible // FRAME: NEMA 48 —

Evergreen® VS User
Interface

5K010



ECMMadeEasy.com

HVAC MOTOR REPLACEMENT OPTIONS BY TYPE AND APPLICATION

INDOOR BLOWER MOTORS	EVERGREEN® MOTOR MODEL	APPLICATION
 <p>Induction Motors (Shaded Pole or PSC) typically built with two brown or purple run capacitor wires.</p>	 <p>Evergreen® IM Motors Pages 6-7</p>	<p>FURNACE AIR HANDLERS INCLUDES PACKAGE SYSTEMS</p> 
 <p>Constant Torque ECM Motors (Genteq® models X13® or Endura® Pro motors or equivalent competitors product with 24 VAC speed taps)</p>	 <p>Evergreen® EM Motors Evergreen® CM Motors Pages 8-11</p>	
 <p>Constant Airflow (Variable Speed) ECM Motors (Genteq® motor model 2.3 & Eon® motor)</p>	 <p>Evergreen® VS Motors & User Interface Pages 14-15</p>	
 <p>Constant Airflow (Variable Speed) ECM Motors (Genteq® motor model 3.0)</p>	 <p>Evergreen® VS Motors Pages 14-15</p>	
Constant Airflow (Variable Speed) ECM Motors (Genteq® motor models 2.0 & 2.5 motor)	Genteq® motor models 2.0 & 2.5 must be replaced with an OEM part from the manufacturer of the HVAC system they were removed from.	
OUTDOOR FAN MOTORS	REPLACEMENT OPTIONS	APPLICATION
 <p>Induction Motors (Shaded Pole or PSC) built with one or two run capacitor wires.</p> 	 <p>Evergreen® OM Motors Pages 12-13</p>	<p>A/C & HEAT PUMP UNITS INCLUDES PACKAGE SYSTEMS</p> 
 <p>Constant Speed ECM Motors (Genteq® motor models 142 & 142R)</p>	Constant Speed ECM outdoor fan motors must be replaced with an OEM part from the manufacturer of the HVAC system they were removed from.	

OEM = Original Equipment Manufacturer (Manufacturer of the HVAC Furnace/Air Handler/Package System)

Download the Dealer Toolbelt app, and calculate energy savings quickly and easily with our Energy Savings Calculator.



ECMMadeEasy.com



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www.regalbeloit.com

APPLICATION CONSIDERATIONS

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