



Evergreen®

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

REGAL®

ECM MOTOR SOLUTIONS



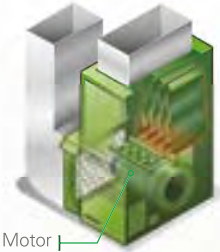
Replace OEM ECM X13[®] Motors with **Evergreen[®] EM Motors and Control Modules**



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



Blower Motor

new



SAVE THE MOTOR - REPLACE THE CONTROL

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



Blower Motor

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



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[Ⓞ]

FURNACE AIR HANDLERS
INCLUDES PACKAGE SYSTEMS



Blower Motor

[Ⓞ] 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^o

FURNACE AIR HANDLERS INCLUDES PACKAGE SYSTEMS



Blower Motor

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

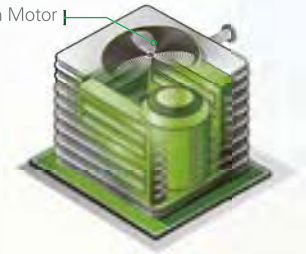


RESIDENTIAL/LIGHT COMMERCIAL HVAC SYSTEMS

- 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^o

A/C & HEAT PUMP UNITS INCLUDES PACKAGE SYSTEMS

Outdoor Fan Motor



new



- EVERGREEN OM REMOTE MOUNT CONTROL
- All angle mount
- Lower profile
- OEM mounting holes on side of motor shell and end shield

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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
1/2-1/5 HP
CW / CCW
CAT #6005



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

48 FRAME / 1075 RPM INDOOR BLOWER MOTORS

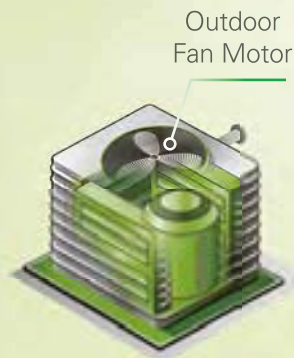
115 V 1/4 HP CCW	115 V 1/3 HP CCW	115 V 1/2 HP CCW	115 V 3/4 HP CCW
115 V 1/4 HP CW	115 V 1/3 HP CW	115 V 1/2 HP CW	115 V 3/4 HP CW
230V 1/4 HP CCW	230V 1/3 HP CCW	230V 1/2 HP CCW	230V 3/4 HP CCW
230V 1/4 HP CW	230V 1/3 HP CW	230V 1/2 HP CW	230V 3/4 HP CW

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
1/3-1/10 HP
CW / CCW
CAT #6303
or **CAT #6303R**

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^o
- 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



^o 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® EM Motors and Control Modules

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]

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.

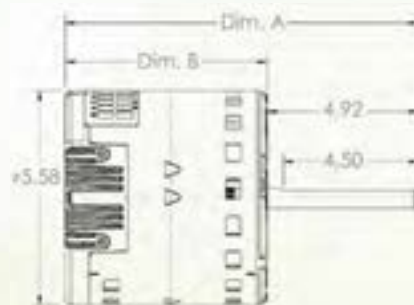
BENEFITS

- 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 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

ACCESSORIES FOR EVERGREEN EM MOTORS CAN BE FOUND ON PAGE 17



EVERGREEN EM CONTROL MODULES

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



Easy as 1, 2, DONE

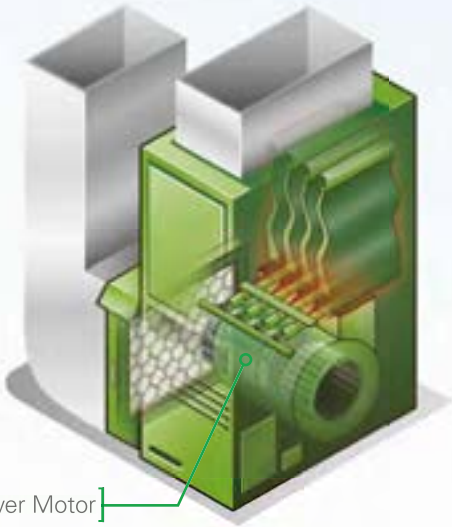
1. Plug it in
2. Bolt it together

STOCK	HP	VOLTS	FLA	IMAGE
6103ECTL	1/3	115	4.8	A
6105ECTL	1/2	115	6.8	A
6107ECTL	3/4	115	8.4	A
6110ECTL	1	115	10.9	B
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

Evergreen® EM Applications

FURNACE AIR HANDLERS

INCLUDES PACKAGE SYSTEMS



Blower Motor

Evergreen EM Motor

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

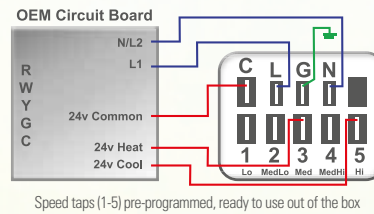
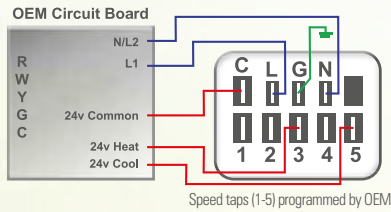
Horsepower: 1/3-1
 RPM Rating: 1075
 Voltage: 115 or 208-230
 Rotation: CW & CCW

[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

* NEMA is believed to be the trademark and/or trade names of National Electrical Manufacturers Association and is not owned or controlled by Regal Beloit Corporation.

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]



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.

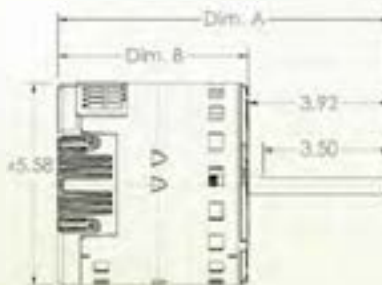
BENEFITS

- 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 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).



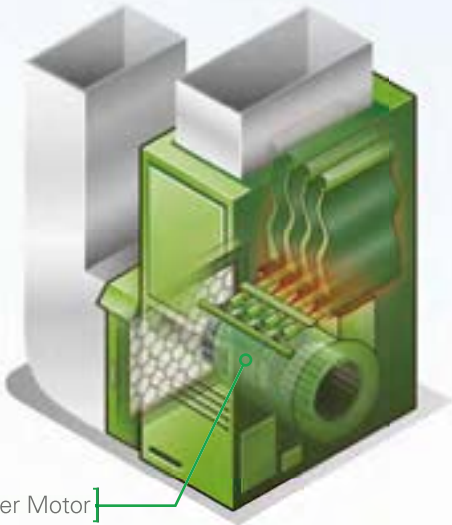
ACCESSORIES FOR EVERGREEN CM MOTORS (PAGES 16 AND 17)

- Evergreen InTune® WIFI Programmer
- 0-10 VDC Harness Kit
- PWM Controls
- Motor Mounting Kits

Evergreen® CM Applications

FURNACE AIR HANDLERS

INCLUDES PACKAGE SYSTEMS



Blower Motor

Evergreen CM Motor

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

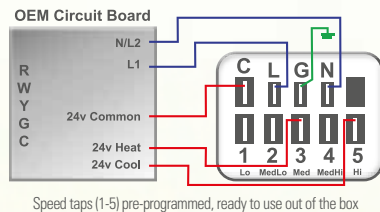
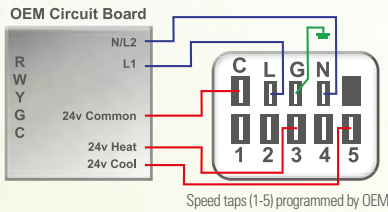
Horsepower: 1/3-1
 RPM Rating: 1075
 Voltage: 208-230/277
 Rotation: CW & CCW

[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

■ Item to be discontinued when stock is depleted.

* NEMA is believed to be the trademark and/or trade names of National Electrical Manufacturers Association and is not owned or controlled by Regal Beloit Corporation.

NEW PRODUCT!

Evergreen® VS Product Line

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



Evergreen VS product line is designed specifically to replace models 2.0, 2.5, 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^o
- UL and CSA recognized component

^o 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).

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
- Reduce time on call using part on truck
- Built by same manufacturer as original motor
- Maintains system performance and efficiency

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).



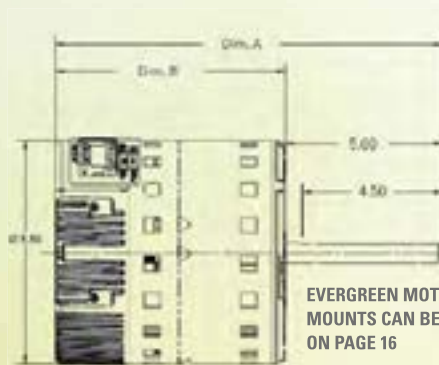
MODEL 2.5 MOTOR REPLACEMENT (16-PIN)

- 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.



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

- The Evergreen VS User Interface (#5K010) is required for this application.
- The user interface is sold separately and is installed permanently with the motor.
- All wires and harnesses are provided with the user interface.



EVERGREEN MOTOR MOUNTS CAN BE FOUND ON PAGE 16

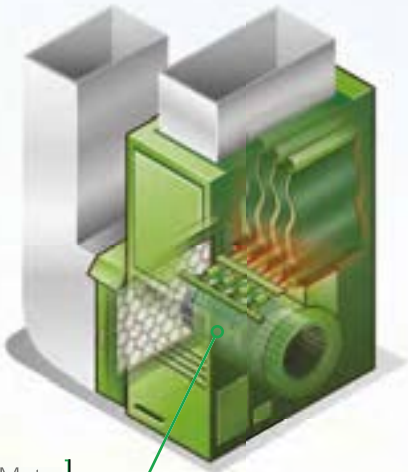


Evergreen® VS Applications

Evergreen VS Product Line

FURNACE AIR HANDLERS

INCLUDES PACKAGE SYSTEMS



Blower Motor



Genteq® ECM
model 3.0 motor



Evergreen VS
motor

PLUG-N-PLAY

Connect OEM plugs...DONE!



2.5 motor



Evergreen VS
motor



Genteq 16-4 pin adapter
stock #5K015



2.0 motor



Genteq ECM
model 2.3
motor



Genteq ECM
model Eon®
motor



Evergreen VS
motor



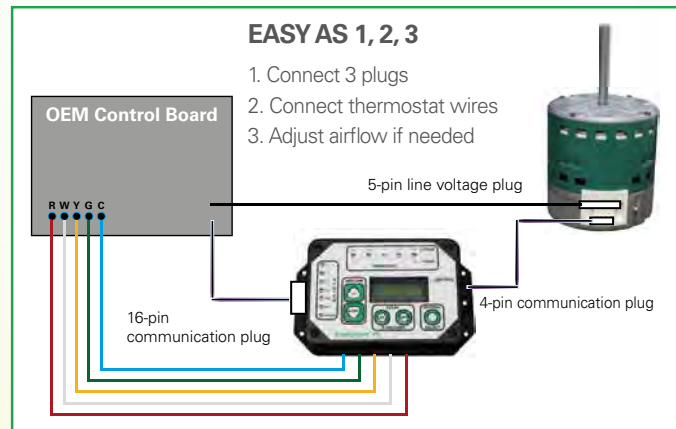
Evergreen VS
user interface
stock # 5K010

Evergreen Accessories

STOCK	DESCRIPTION
5K010	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.



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"

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.

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Evergreen® IM Motors

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

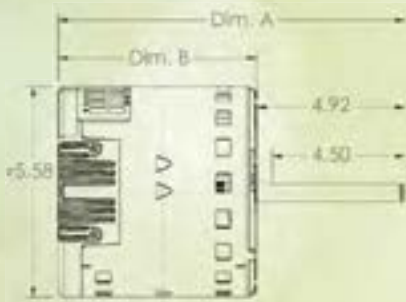


With Evergreen IM motors, you'll give your customers the efficiency and comfort of a new ECM driven system, without replacing the entire system. Simply replace their PSC motor with an Evergreen IM motor. It's not only easy to install, but it can also reduce your inventory and increase your profits.

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).



EVERGREEN MOTOR MOUNTS CAN BE FOUND ON PAGE 16



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 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

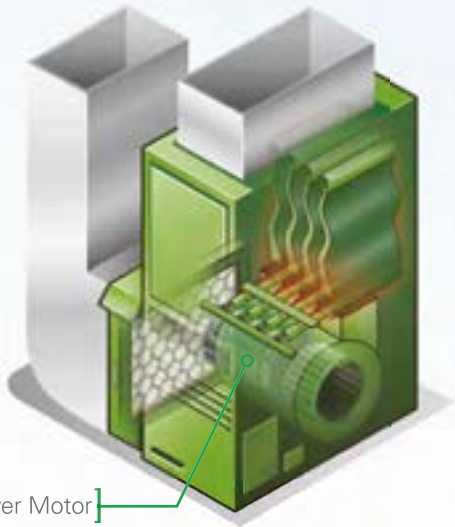
CONSUMER BENEFITS

- 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

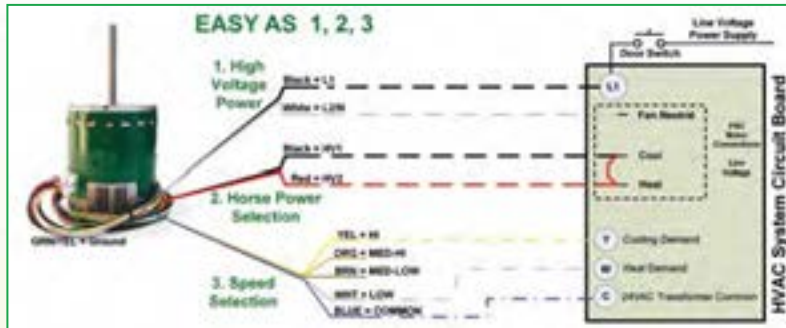
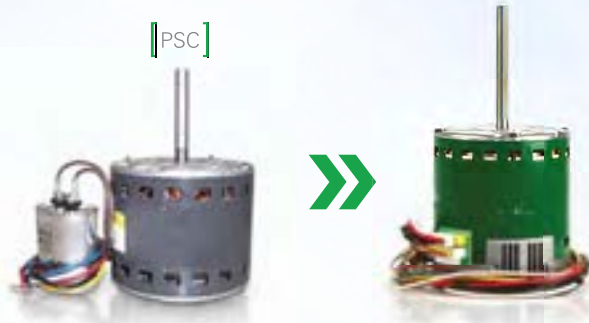


Blower Motor

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 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	3	.5" x 5" (4.5" SF)	11.26"	6.34"
6010	1 (1, 3/4, 1/2)	115/230	11.0/6.7	1075	3	.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.

* The following are believed to be the trademarks and/or trade names of their respective owners and are not owned or controlled by Regal Beloit Corporation. US Motors: Nidec Motor Corporation; Azure: MARS; MARS: Motors & Armatures, Inc.; NEMA: National Electrical Manufacturers Association.

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).

CONTRACTOR BENEFITS

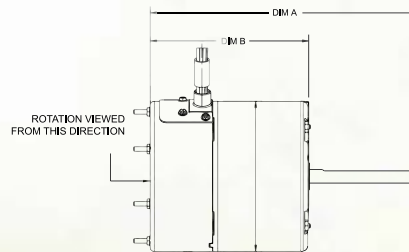
- Reduce truck stock and get the job done (see page 4)
- No capacitor required
- Connects directly to existing controls
- No additional relays or wires needed

CONSUMER BENEFITS

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

RELIABILITY

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



ACCESSORIES FOR EVERGREEN OM MOTORS (PAGES 16 AND 17)

- Low ambient kit
- PWM harness
- PWM controls
- OEM motor mount #2098A

NEW!

STOCK #6303R



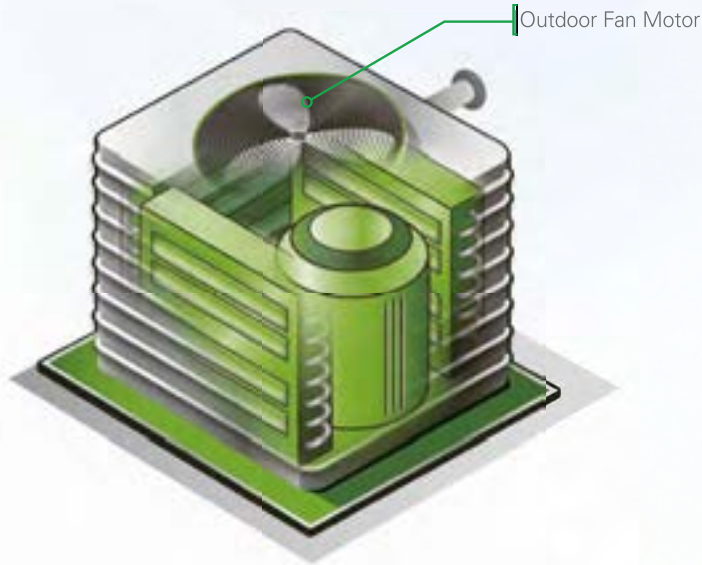
EVERGREEN OM REMOTE MOUNT CONTROL

- Identical ratings to model 6303
- All angle mount
- Lower profile
- OEM mounting holes on side of motor shell and end shield

Evergreen® OM Applications

A/C & HEAT PUMP UNITS

INCLUDES PACKAGE SYSTEMS



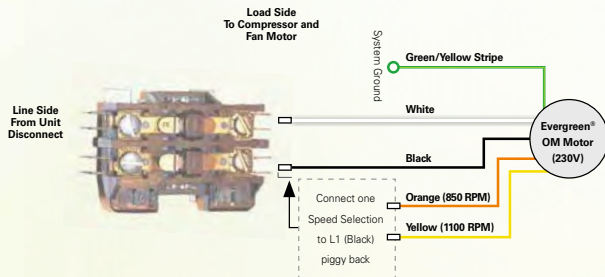
Evergreen OM Motor

Replaces PSC outdoor fan motors with the following ratings:

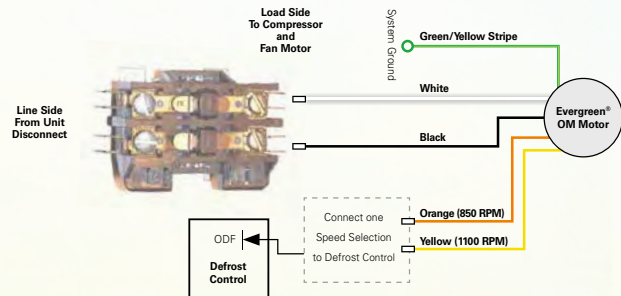
Horsepower: 1/3-1/10
 RPM: 850 or 1100
 Voltage: 208-230
 Rotation: CW & CCW



A/C APPLICATIONS



HEAT PUMP APPLICATIONS



Evergreen OM Motors

STOCK	HP	VOLTS	FLA	RPM	SPEEDS	SHAFT	DIM A	DIM B
6301	1/5-1/10	208-230	2.8	850/1100	1	.5" x 3" (2.5" SF)	8.49"	5.45"
6303	1/3-1/10	208-230	3.5	850/1100	1	.5" x 3" (2.5" SF)	8.99"	5.95"
6303R <small>new</small>	1/3-1/10	208-230	3.5	850/1100	1	.5" x 5.5" (5" SF)	9.79"	4.23" [▲]
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

- Item to be discontinued when stock is depleted.
- ▲ This dimension represents the motor length from end shield to end shield.

* NEMA is believed to be the trademark and/or trade names of National Electrical Manufacturers Association and is not owned or controlled by Regal Beloit Corporation.

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.

* NEMA is believed to be the trademark and/or trade names of National Electrical Manufacturers Association and is not owned or controlled by Regal Beloit Corporation.

ACCESSORY 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 & 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.



0-10VDC HARNESS KIT CATALOG #5K007

With this harness, connect 0-10VDC 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®

MOTOR SPECIFICATIONS

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, 1/5)	115/230	6.7/4.0	1075	1	.5" x 5" (4.5" SF)	11.26"	6.34"
	6010	1 (1, 3/4, 1/2)	115/230	11.0/6.7	1075	1	.5" x 5" (4.5" SF)	12.76"	7.84"
Evergreen EM Motors (X13® and Endura® Pro 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"
Evergreen CM Motors (X13 and Endura Pro Motor Replacement)	6210E	1	208-230	7.6	1075	5/PWM	.5" x 5" (4.5" SF)	12.17"	7.25"
	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"
Evergreen OM Motors (PSC Outdoor Replacement Motor)	6410 [■]	1	460	4.0	1075	5/PWM	.5" x 4" (3.5" SF)	12.03"	8.11"
	6301	1/5	208-230	2.8	850/1100	1	.5" x 3" (2.5" SF)	8.49"	5.45"
	6303	1/3	208-230	3.5	850/1100	1	.5" x 3" (2.5" SF)	8.99"	5.95"
	6303R ^{new}	1/3	208-230	3.5	850/1100	1	.5" x 5.5" (5" SF)	9.79"	4.23"
	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" (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"

NEW! Control Modules available, use same EM stock number followed by CTL (ex. 6207ECTL)

NEW! Evergreen VS Motors (Variable Speed Replacement Motor)

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

Evergreen® Accessories	5K010	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.



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



ECMMadeEasy.com



Evergreen®

HVAC MOTOR REPLACEMENT SOLUTIONS

INDOOR BLOWER MOTORS	EVERGREEN® REPLACEMENT OPTIONS	APPLICATION
 <p>Induction Motors Shaded Pole or PSC (typically built with two brown or purple run capacitor wires)</p>	 <p>Evergreen IM Motors</p> <ul style="list-style-type: none"> Match VAC, RPM and HP ratings The FLA (amperage) ratings do not need to match If the old motor does not use a belly band mount, a new mount will be needed. When replacing a 1/2 HP PSC motor, refer to chart on page 3 of IM manual for support. Get IM manual at ECMMadeEasy.com 	<p>FURNACE AIR HANDLERS INCLUDES PACKAGE SYSTEMS</p> 
 <p>Constant Torque ECM Motors (Genteq® models X13® or Endura® Pro motors or equivalent competitor's product with 24 VAC speed taps)</p>	 <p>Evergreen EM & CM Motors</p> <ul style="list-style-type: none"> Match VAC and HP ratings The FLA (amperage) and RPM ratings do not need to match <p>REVK Evergreen EM Control Modules </p>	
 <p>Constant Airflow (Variable Speed) ECM Motors (Model 2.0, Genteq models 2.3 and Eon® motors) Note: The model 2.3 motor has the same physical appearance as the model 2.5 motor. Always confirm model name on motor, use ID guide information on back page if needed.</p>	 <p>Evergreen VS Motors & User Interface (UI)</p> <ul style="list-style-type: none"> Match VAC and HP ratings The FLA (amperage) and RPM ratings do not need to match The UI (#5K010) is required for this application and is installed permanently with the motor. This part is sold separately from the motor 	
 <p>Constant Airflow (Variable Speed) ECM Motors (Genteq model 2.5 motor) Note: The model 2.5 motor has the same physical appearance as the model 2.3 motor. Always confirm model name on motor, use ID guide information below if needed.</p>	 <p>Evergreen VS Motors & 16-4 Pin Adapter</p> <ul style="list-style-type: none"> Match VAC and HP ratings The FLA (amperage) and RPM ratings do not need to match The 16-4 Pin Adapter (#5K015) is required for this application and is installed permanently with the motor. This part is sold separately from the motor 	
 <p>Constant Airflow (Variable Speed) ECM Motors (Genteq model 3.0 motor)</p>	 <p>Evergreen VS Motors</p> <ul style="list-style-type: none"> Match VAC and HP ratings The FLA (amperage) and RPM ratings do not need to match 	
OUTDOOR FAN MOTORS	EVERGREEN REPLACEMENT OPTIONS	APPLICATION
 <p>Induction Motors Shaded Pole or PSC (typically built with two brown or purple run capacitor wires)</p>	 <p>Evergreen OM Motors</p> <ul style="list-style-type: none"> Match VAC and HP ratings The FLA (amperage) and RPM ratings do not need to match <p>REVK Stock #6303R: Lower profile motor, remote mount control</p>	<p>A/C & HEAT PUMP UNITS INCLUDES PACKAGE SYSTEMS</p> 
 <p>Constant Speed ECM Motors (Genteq motor models 142 & 142R).</p>	<p>Constant Speed ECM outdoor fan motors must be replaced with an OEM part from the manufacturer of the HVAC system from which it is removed.</p>	

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

HOW TO ID GENTEQ® ECM MOTORS

Follow this guide to locate the model name (i.e. X13®, 2.3...) on the motor control decal.



If the model name is not listed, enter the model number or motor control code in the SMART SEARCH tool on the home page of THEDEALERTOOLBOX.COM. Smart search will provide you with the model name for cross reference here. You can also use the ECM SEARCH tool in our app "Dealer Toolbelt" available on both Apple Store* and Google Play*.

Evergreen manuals, brochures and videos are available at ECMMadeEasy.com.

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Regal Beloit America, Inc.

1325 Heil Quaker Blvd.

LaVergne, TN 37086

Customer Service: 800-672-6495

Fax: 800-468-2062

www.regalbeloit.com

APPLICATION CONSIDERATIONS

The proper selection and application of products and components, including paying full attention to the subject of product safety in the application, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, maintenance requirements, installation configurations, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or reviews furnished by Regal Beloit America, Inc. or its affiliates ("Regal") with respect to the use of products and components is given in good faith and without charge. However, Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and reviews being given and accepted are at the customer's risk.

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