



# Evergreen® VS

VARIABLE SPEED REPLACEMENT MOTORS

# What if...

you could replace MILLIONS of OEM variable speed motors with just 5 parts on your truck?



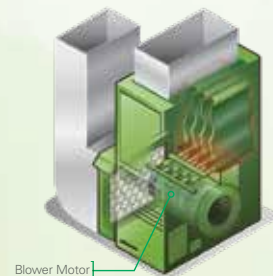
## Evergreen® VS



The Evergreen® VS motor and Evergreen® VS user interface are designed to replace Genteq® constant airflow (variable speed) ECM indoor blower motors.

The 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 to date in HVAC OEM indoor blower motor applications.

FURNACE AIR HANDLERS  
INCLUDES PACKAGE SYSTEMS



## ECM MADE EASY™

### Better for You

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

### Better for Your Customers

- Two year warranty\*
- Same day completion
- Built by same manufacturer as original motor
- Maintains system performance and efficiency



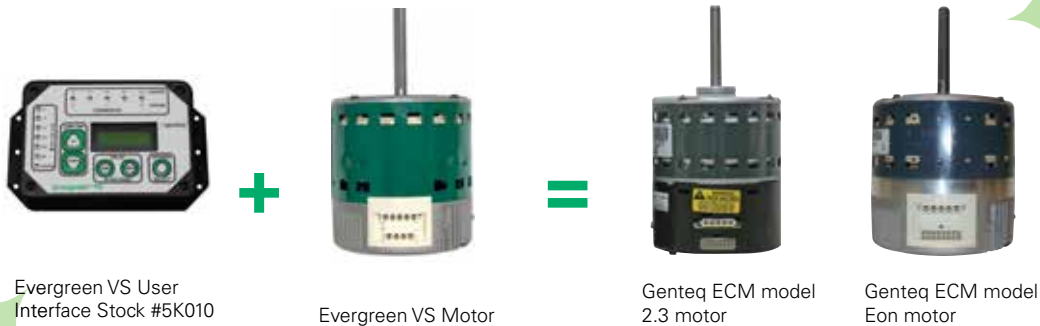
\* This warranty shall expire twenty-four (24) months from the first use of the Product or thirty (30) months from date of shipment of the Product, whichever occurs first. See Regal Standard Terms and Conditions of Sale, available at [www.regalbeloit.com](http://www.regalbeloit.com).

# Evergreen® VS

## Genteq® model 2.3 and Eon® motor replacement (16-pin)

The Evergreen® VS motor and Evergreen® VS user interface (5K010) are used together to replace the Genteq model 2.3 or Eon® motor.

- Match the horsepower (HP) and voltage (VAC) ratings of the new Evergreen® VS motor to the motor being replaced. It is not necessary for the RPM or the amperage (FLA) to match.
- The Evergreen® VS user interface is compatible with all Evergreen® VS motors.
- All wires and harnesses provided.



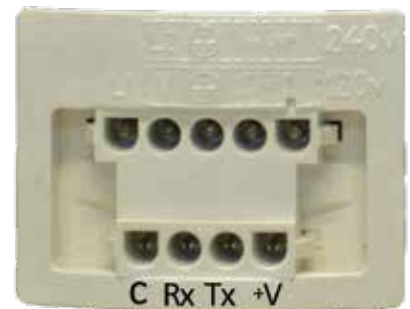
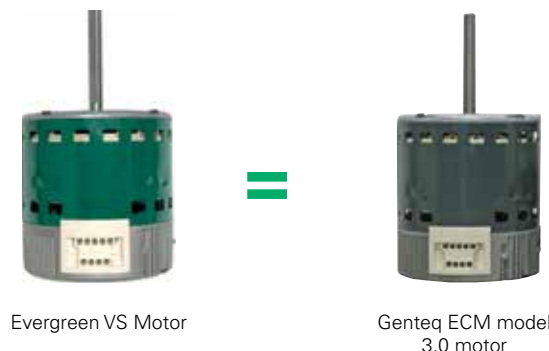
## 16-PIN SOLUTION

# Evergreen® VS

## Genteq® model 3.0 motor replacement (4-pin)

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

- Match the horsepower (HP) and voltage (VAC) ratings of the new Evergreen® VS motor to the motor being replaced. It is not necessary for the RPM or the amperage (FLA) to match.
- Plug-n-play (Connect OEM plugs...DONE)



## 4-PIN SOLUTION

# EVERGREEN® VS MOTORS AND USER INTERFACE

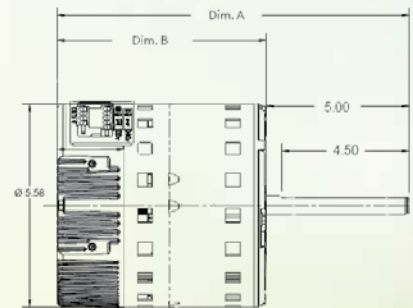
## APPLICATIONS

The Evergreen® VS motor and/or Evergreen® VS user interface is designed for use in the following types of HVAC systems:

- Furnace, air handler and package units
- Fossil fuel, electric strip heat, A/C, heat pump and geothermal units
- When replacing 2.3 or Eon® motors, Evergreen VS motors can only be used in single stage or two stage HVAC systems
- When replacing 3.0 motors, Evergreen VS motors can be used in single stage, multi-stage, modulating and communicating HVAC systems

## MOTOR SPECIFICATIONS

- Bearing: permanently lubricated ball bearing
- Ambient Ratings:
  - Powered, not operating: -20° to 65°C (non-icing conditions)
  - Operating (1/3, 1/2, and 3/4 HP): -20° to 55°C (non-icing conditions)
  - Operating (1 HP): -20° to 45°C (non-icing conditions)
- Enclosure: open air over (OAO), NEMA® 48-Frame (5.6" diameter)
- Shaft: single, ½" diameter, 5" length, 4.5" single flat
- Mounting: horizontal or vertical shaft-down (VSD), belly band
- UL and CSA recognized component
- Encapsulated electronics
- Electronic overload protection
- 6kV surge protection



EVERGREEN VS MOTORS								
STOCK #	HP	VOLTS	FLA	ROTATION	RPM	FRAME	DIM A	DIM B
6503V	1/3	120/240	5.0/2.8	CCW/CW	1050	NEMA 48	10.71"	5.71"
6505V	1/2	120/240	7.7/4.3	CCW/CW	1050	NEMA 48	11.21"	6.21"
6507V	3/4	120/240	10.1/6.1	CCW/CW	1050	NEMA 48	11.96"	6.96"
6510V	1	120/240	12.8/7.4	CCW/CW	1050	NEMA 48	12.71"	7.71"

## USER INTERFACE SPECIFICATIONS

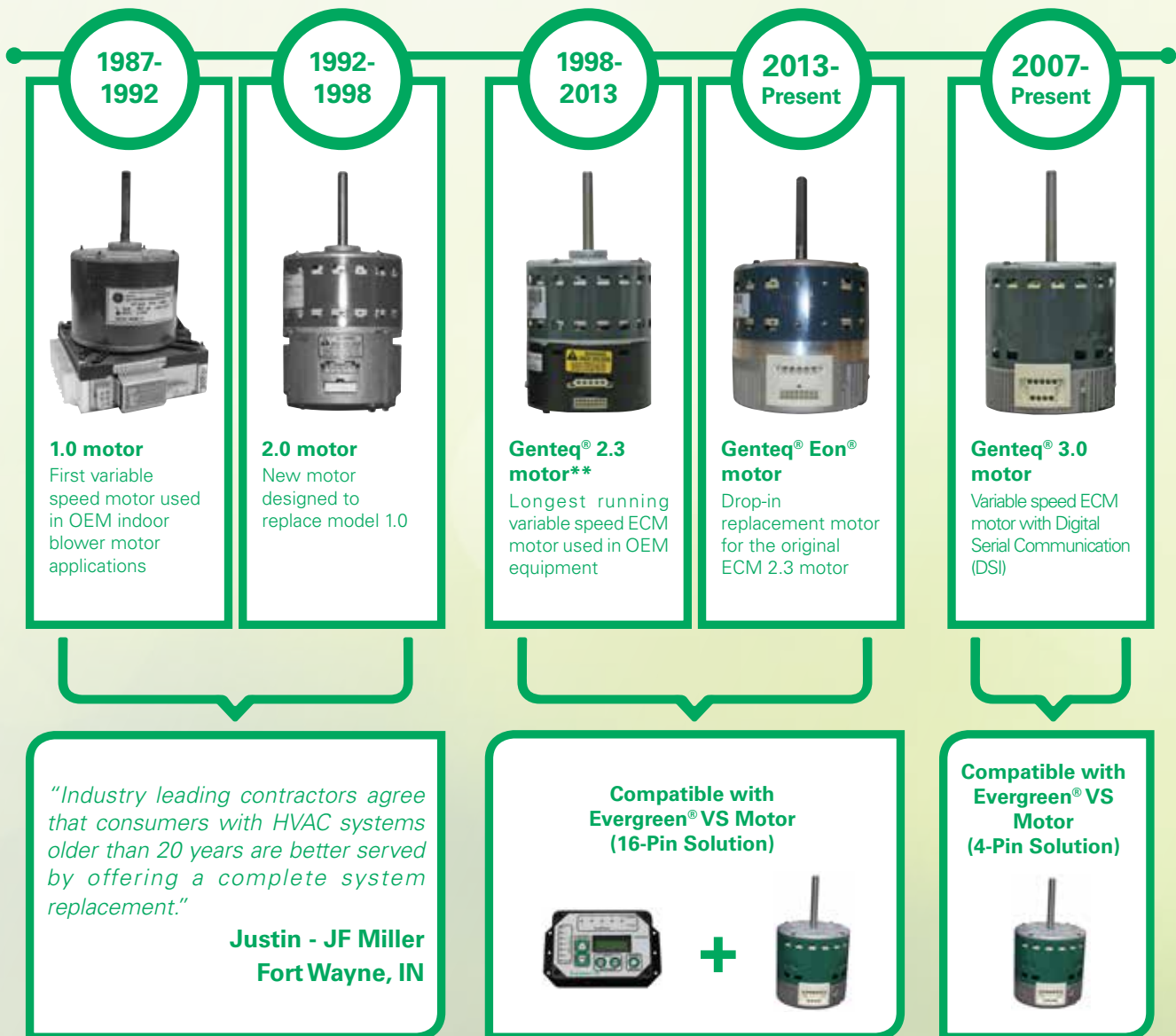
- Dimensions: 5.5" x 3.35" x 1.25"
- Voltage Rating:
  - Thermostat inputs are rated for 18-30 VAC
- Ambient Ratings:
  - Operating Temp 0°C to +55°C (32°F to 122°F)
  - Storage Temp -20°C to 70°C (-4°F to 158°F)
- Lead Lengths:
  - Thermostat leads – 36"
  - Motor harness – 36"

EVERGREEN VS USER INTERFACE
STOCK # 5K010

# WHY WOULD YOU TRUST YOUR REPUTATION WITH ANYONE ELSE?

- Regal is the segment leader with the design and production of Genteq® OEM variable speed motors.
- Genteq® OEM variable speed motors have been used in residential HVAC systems for over 30 years.\*
- Regal's Genteq 16-pin variable speed motor design is the first of its kind to have been produced and introduced to the markets.\*

\* This period includes time during which this line of products bore different brands.



\*\* This period includes time during which this product bore a different brand.

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



**Regal Beloit America, Inc.**

1325 Heil Quaker Boulevard

LaVergne, TN 37086

Customer Service: 800-672-6495

Fax: 800-468-2062

[www.regalbeloit.com](http://www.regalbeloit.com)

**APPLICATION CONSIDERATIONS**

The proper selection and application of products and components, including the related area of product safety, 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, lubrication requirements, loading supports, 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 review furnished by Regal Beloit America, Inc. and/or its affiliates ("Regal") with respect to the use of products and components is given in good faith and without charge, and Regal assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

For a copy of our Standard Terms and Conditions of Sale, please visit <https://www.regalbeloit.com/Terms-and-Conditions-of-Sale>. These terms and conditions of sale, disclaimers and limitations of liability apply to any person who may buy, acquire or use a Regal product referred to herein, including any person who buys from a licensed distributor of these branded products.

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

Regal, ECM Made Easy, Evergreen, Eon and Genteq are trademarks of Regal Beloit Corporation or one of its affiliated companies.

©2019 Regal Beloit Corporation, All Rights Reserved. MCB19018E • Form# G0078E

