Think opportunity. We did.

An innovative solution that reduces homeowner energy costs

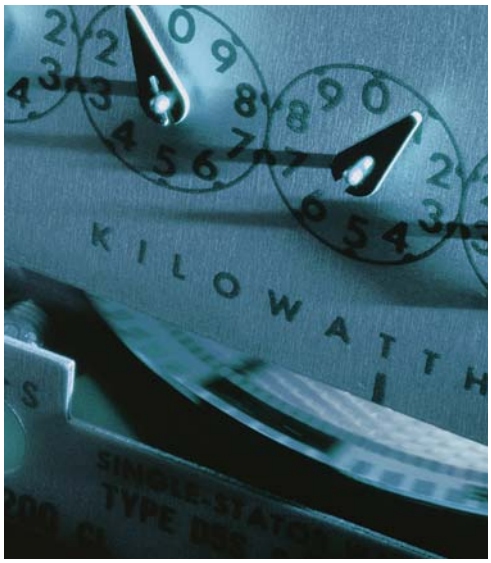
RESCUE EcoTech™ Motor

EMERSON™
Climate Technologies

In home after home, the new Emerson® RESCUE EcoTech™ motor gives you, the contractor, a way to boost indoor direct-drive blower performance levels and efficiencies.

- ***Designed in the RESCUE® motor tradition, to save you time and money***
- ***Installation as simple as a conventional PSC blower motor***
- ***Exclusive motor-control technology, to provide energy savings and improved comfort***

The RESCUE EcoTech motor is more than just a motor; it's an opportunity.



Give homeowners what they want.

Energy efficiency: It's on every homeowner's mind.
In fact, based on a recent study of home-purchasing decision criteria, over 70 percent* of homeowners say that energy-efficiency features influence their buying decisions; and with energy costs rising, homeowners are looking for more energy-efficient products to help lower utility bills. That's why our new high-efficiency blower motor is a great opportunity for you – and a smart, energy-saving solution for your customers, who can see significant savings on their electricity bills, simply by upgrading their existing system. Not a bad conversation starter.

Average Savings** – Continuous Fan Operation		
	1HP	1/2HP
Five-year savings	$1,692	$ 876
10-year savings	$3,384	$1,752

Comfort and air quality: What every homeowner expects
With the increased efficiency and available low circulation of this motor, homeowners will be free to cycle air continuously, without a significant increase in their utility bills. Continuous fan operation supports improved filtration, helping to clear the air of dust and allergens – all the while making your customers' homes more comfortable, by working to reduce temperature variations throughout the home.

The RESCUE EcoTech motor's advanced design also features active airflow management, which allows the motor to compensate for static pressure changes, to help maintain airflow. This means that as vents are closed or the filter becomes full, the motor will attempt to maintain the same airflow, helping to keep the system operating efficiently and the home comfortable.

*National Association of Home Builders **Savings estimated when compared to PSC operated continuously, electricity cost of $0.11/kWh

RESCUE EcoTech™

Remember, opportunity doesn't always knock. Sometimes it drops right in. Quickly and easily.

A smart new way to grow your business.

Easy installation – Make no complex changes to your customer's system. No kidding. Emerson's exclusive speed-control technology makes this motor as easy to install as all of the motors in our RESCUE® line. The RESCUE EcoTech™ motor drops into existing PSC induction-blower applications, without making complex wiring modifications or changes to the system controls. Just connect the leads, and you're done. No 24-volt signal leads or setup required. It's plug and play.

Fits a wide variety of applications – Since it's a RESCUE motor, you know that it will cover multiple system types and mounting methods, including flex mounts,*** opening more opportunities for you, while saving time at installation and investment in inventory.

Easy reversing connector – A simple flip of a connector changes the rotation direction, providing greater flexibility with installation and reducing the number of models that you must have available.

Quiet, efficient circulation speed – Our advanced motor design provides a low, 600 rpm circulation speed – so your customers can cycle air continuously, without the noise, draft or electricity cost of a PSC.

Exclusive motor-control technology – Our exclusive speed-sensing technology allows the RESCUE EcoTech™ motor to connect just like a PSC, while providing the ability to electronically control the motor's output – giving you the correct speed for the application and giving homeowners the efficiency that they want.

Ability to upsell – You can show homeowners how to get more out of their current HVAC system. Now you can offer your customers energy savings by just replacing the existing motor in their furnace or air handler.

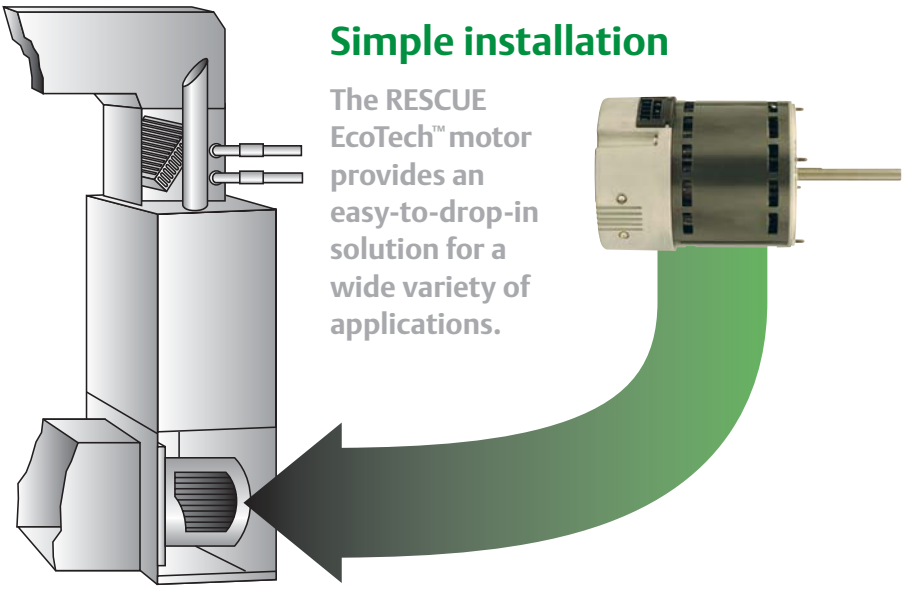
Excellent complement to existing sales opportunities – Motor trouble isn't the only time that you can recommend this new solution to your customers. Generate additional sales revenue when selling other new equipment. The RESCUE EcoTech motor's energy efficiency and low speed are strong complements to indoor air quality products or new air conditioning systems.

Active airflow management – The RESCUE EcoTech motor's advanced electronic control allows the motor to react to changes in the system, helping to maintain airflow as static pressures change and sustaining system performance as vents are closed or a dirty filter restricts airflow.

Two-year warranty – The RESCUE EcoTech motor is warranted, per Emerson's limited warranty, for 24 months from the date of installation. Emerson's limited warranty is available at **EmersonMotors.com/commerce/index.htm**.

Talk to your local Emerson® motor wholesaler today for more information, or visit EmersonClimate.com/RescueEcoTech for more details.

***Requires accessory kit #44

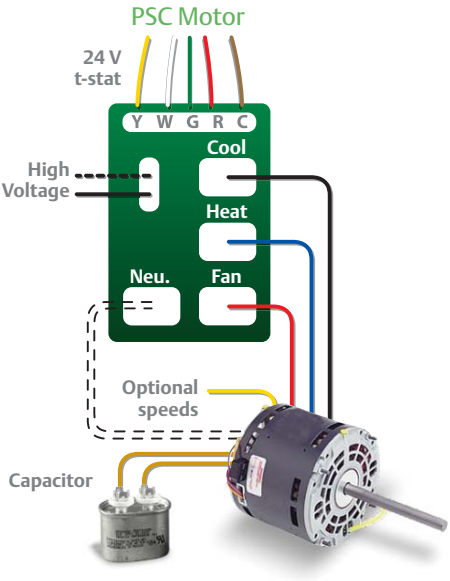


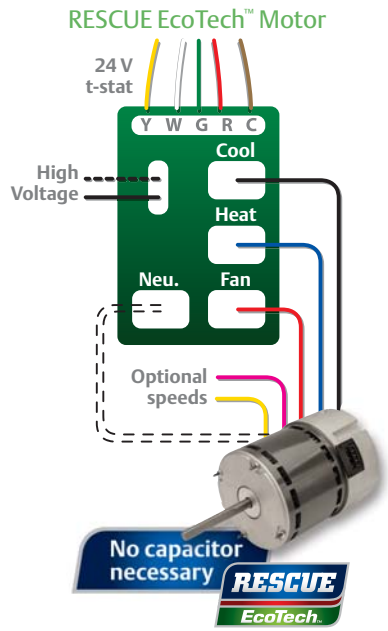
Simple installation

The RESCUE EcoTech™ motor provides an easy-to-drop-in solution for a wide variety of applications.

Installation without modification

Our exclusive motor-control technology allows the RESCUE EcoTech motor to drop into existing PSC blower applications without complex wiring modifications or time-consuming changes to the system controls.





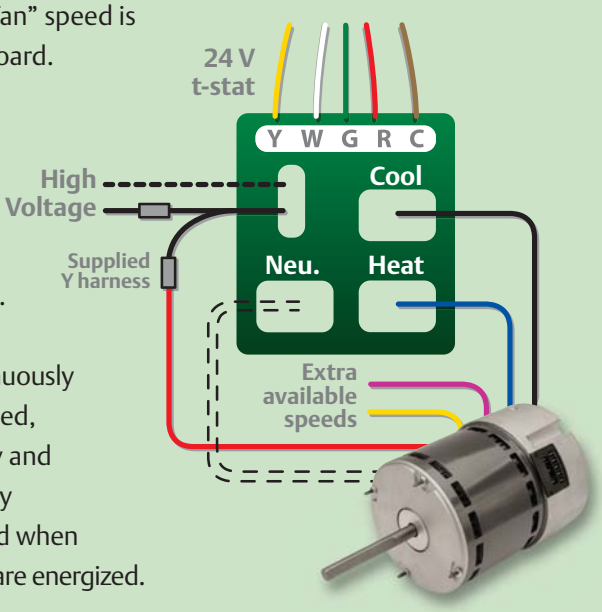
For illustration purposes only. Actual connections may vary.

The RESCUE EcoTech motor also provides a quiet continuous air circulation in applications where no “Fan” connection is available on the system control; see inside flap for details.

The RESCUE EcoTech™ motor provides more ways to connect.

Our patented motor control allows you to provide your customers efficient, continuous air circulation regardless of system control configuration. The RESCUE EcoTech motor can accept voltage across more than one lead at the same time, operating at the highest speed of those leads energized. This unique feature provides for easy connection of the low circulation speed in applications where no “Fan” speed is present on the control board.

Using the supplied Y-harness the RESCUE EcoTech motor’s low circulate speed can be connected to line voltage. In this configuration the motor will operate continuously at a low 600 rpm fan speed, circulating the air quietly and efficiently while smoothly moving to a higher speed when cool or heat connections are energized.

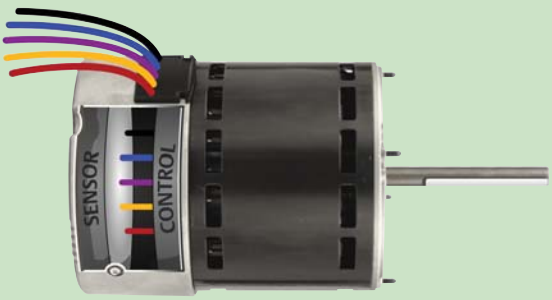


For illustration purposes only. Actual connections may vary.

Exclusive speed-control technology provides ease of installation.

- Only high-voltage connections are used; no 24 volt signal is required.
- Patented current-sensing system determines speed, based on high-voltage tap.
- Five available speeds provide flexibility, to match airflow to each system.

115 V or 230 V power

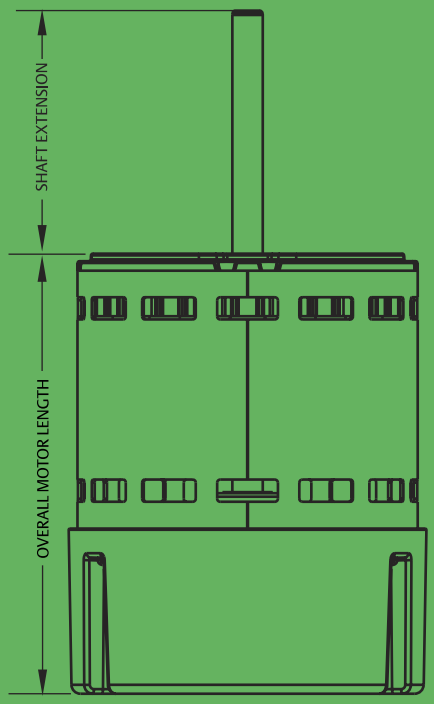


RESCUE EcoTech™ Motor vs. Conventional PSC Motor

Specification	RESCUE EcoTech motor	Conventional 5-speed PSC motor
HP range	1/3, 1/2, 3/4, 1	1/3, 1/2, 3/4, 1
Applications	Air handlers, furnaces, heat pumps	Air handlers, furnaces, heat pumps
Frame	5.6"	5.6"
Voltage	115 or 208–230	115 or 208–230
Maximum efficiency	**82%**	60–65%
Number of speeds	5	5
Available rpm range	**600–1,200 rpm**	825-1,140 rpm
Airflow management	**Active pressure compensation**	None
Installation	**Same as PSC**, connect speed taps to furnace/air-handler control board	Connect speed taps to furnace/air-handler control board
Number of leads	7 total – 5 speed taps, common and ground	7 total – 5 speed taps, common and ground
Speed selection	Via speed tap	Via speed tap

Features:

- Reversible rotation
- No capacitor required
- Class B insulation
- 40°C ambient rated
- Continuous duty, air over
- 48 frame (5.6" diameter)
- Electronically protected motor
- Ball bearing
- 36" leads
- Belly-band mounting



Specifications

Cat. #	HP	Rpm–high speed	Speeds	Volts	Shaft dim.	Motor length
5520ET	1/4 –1/3	1,140	5	115	1/2 x 4"	5.75"
5521ET	1/4 –1/3	1,140	5	208–230	1/2 x 4"	5.75"
5530ET	1/2	1,140	5	115	1/2 x 4"	5.75"
5531ET	1/2	1,140	5	208–230	1/2 x 4"	5.75"
5540ET	3/4	1,140	5	115	1/2 x 4"	6.75"
5541ET	3/4	1,140	5	208–230	1/2 x 4"	6.75"
5550ET	1	1,140	5	115	1/2 x 4"	7.25"
5551ET	1	1,140	5	208–230	1/2 x 4"	7.25"

EcoTech™ Motors– Responsible use of energy through technology.

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