



The world's first ECM retrofit motor

Offer your customers the comfort and savings of ECM, now available in an easy-to-install replacement motor.

Evergreen™



INTRODUCING

What is it?

Evergreen is the world's first high-efficiency ECM replacement motor that can replace existing PSC blower motors in residential HVAC Systems. Built from trusted, proven ECM technology, the Evergreen uses up to 74% fewer Watts than a PSC motor.

How is it different from a PSC motor?

Evergreen is based on ECM technology: a brushless-DC, permanent-magnet motor that is inherently more efficient than a PSC. Evergreen's ECM controls combine thermostat commands with an advanced motor design to run more efficiently, more quietly, and with better airflow control than a PSC. Go to www.EvergreenDealer.com to learn more.

Where can I use it?

Evergreen can be used to replace PSC motors in most HVAC Systems including: air handlers, gas furnaces, and geothermal heatpumps. In low-airflow and constant-fan applications like dehumidifiers and air filters, Evergreen can save the average homeowner up to \$268 in electric bills each year*.

Can I use the Evergreen to replace any failed ECM?

No. The ThinkTank ECM and the X13 ECM are customized with advanced features and airflow profiles that are proprietary to the system manufacturer. Evergreen is made to be compatible with PSC systems that don't use advanced motors. As a result, Evergreen is for PSC replacement only.

When should I recommend it to my customers?

The Evergreen is a great replacement for any indoor PSC motor. The motor's ECM benefits are especially important to homeowners who run constant fan mode, IAQ products, or want to improve zoning.

Where do I get one?

Evergreen is available from your local distributor.

*For more information on Evergreen, visit www.EvergreenDealer.com



Evergreen™

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MOTOR COMPARISON

	PSC MOTOR	STANDARD ECM (X13)	PREMIUM ECM (ThinkTank™ 2.3 & 3.0)	ECM RETROFIT (Evergreen™)
TECHNOLOGY	Induction Motor	Brushless DC	Brushless DC	Brushless DC
AVAILABLE HORSEPOWER	1/3, 1/2, 3/4, 1 HP	1/3, 1/2, 3/4, 1 HP	1/3, 1/2, 3/4, 1 HP	1/2, 1 HP
SPEEDS	Select 1-5 taps	Select 1-5 taps	Variable-speed	Select 1-5 profiles
SPEED RANGE	800-1100 RPM	600-1100 RPM	200-1300 RPM	600-1200 RPM
CLIMATE PROFILES	NO	NO	YES	NO
INTELLIGENT CONTROLS	NO	Constant Torque	Constant Airflow	Speed, Compensated Profiles
ADVANCED FEATURES	NO	NO	Communicating Motor, BlaKBox™ Technology	NO
PEAK MOTOR EFFICIENCY	59%	80%	80%	80%
AVERAGE POWER * (COOLING CFM)	515 W	413 W	413 W	413 W
AVERAGE POWER * (CONTINUOUS FAN CFM)	515 W	200 W	83 W	95 W
SUMMARY	No Features, Baseline Product	Limited Features, High Efficiency	Full Features, Maximum Efficiency	Limited Features, High Efficiency
APPLICATION	Retrofit & OEM	OEM	OEM	Retrofit for indoor PSC Motors

* Average power consumption based on specified setting in a typical three-ton system.



www.EvergreenDealer.com
www.theDealerToolbox.com

