

Evergreen® · IM

DESIGNED TO REPLACE FACTORY PSC INDOOR BLOWER MOTORS,
AND CENTURY® COMFORT SELECT™ ~ FB
IN HVAC SYSTEMS.



Evergreen IM is a high-efficiency ECM replacement motor that is designed to replace factory PSC blower motors in HVAC systems and the Century Comfort Select - FB. That means you can now offer your customers the comfort and efficiency of ECM in an easy-to-install replacement motor.

Built from the same trusted, field-proven ECM technology that is found in millions of OEM systems nationwide, Evergreen uses up to 25% fewer watts in operating mode and up to 75% fewer watts than a PSC motor in constant fan.

Evergreen IM is not approved to replace existing ECM Variable Speed or X13 motors, should not be used on twinned systems and should not be used on belt drive systems. There are 2 Evergreen IM Models. Please make sure to use the appropriate troubleshooting information. See the Evergreen IM Manual.

This motor is dual voltage 115/230VAC, reversible, multi-horsepower, and designed for all residential HVAC systems less than 5 ton of cooling and 150k BTU_h of heating.



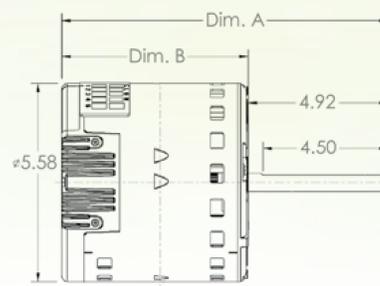
Rotation Sensing Technology™

SPECIFICATIONS

- 2 Motors cover most applications
- Multi-volt 115/230 and reversible rotation
- Integrated with HVAC system controls/operation
- 4 speed selections for heating and cooling
- Optimized constant fan speed
- 2 year warranty
- Reduce truck stuck, no capacitors to change out or stock

BENEFITS

- Energy Savings
- Quiet Operation
- Comfort
- Indoor Air Quality



MOTOR COMPARISON

	PSC MOTOR	STANDARD ECM (X13)	PREMIUM ECM (Eon & 3.0)	ECM RETROFIT Evergreen IM
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 taps
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	Constant Torque
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 3-ton system.

** 4 Speed taps with automatic continuous fan speed.

Evergreen IM Motors

STOCK NO.	HP	VOLTS	MAX CURRENT	ROTATION	DIM A	DIM B	APPROXIMATE WEIGHT
6005	1/2	115/230	6.7/4.0	CCW/CW	11.26"	6.34"	12 lbs
6010	1	115/230	11.0/6.7	CCW/CW	12.76"	7.84"	20 lbs

Stock No. Cross Reference

EVERGREEN STOCK NO.	CENTURY STOCK NO.	US MOTORS STOCK NO.
6005	CSL1056	5530ET
6005	CS1056	5531ET
6010	CSL1106	5550ET
6010	CS1106	5551ET