



Evergreen[®] IM

EVER EFFICIENT. EVER RELIABLE. EVER PROFITABLE.



 **genteq[®]**

A Regal Brand

REGAL



Evergreen® · IM

REPLACEMENT FOR THE
CENTURY® COMFORT SELECT™ ~ FB

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 motors are 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 two Evergreen 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.



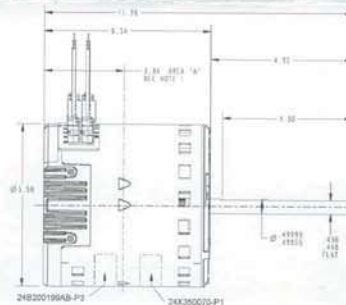
Rotation Sensing Technology™

SPECIFICATIONS

- Two Motors cover all applications
- Multi-volt 115/230 and reversible rotation
- Integrated with HVAC system controls/operation
- Four speed selections for heating and cooling
- Optimized constant fan speed
- Two 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 three-ton system.

Evergreen IM Motors

| STOCK NO. | HP | RPM | SPEEDS | VOLTS | ROTATION | FLA @ NP | DIM C | HZ | NOTES |
|-----------|-----|------|--------|---------|----------|----------|--------|-------|-------|
| 6005 | 1/2 | 1070 | 1 | 115/230 | CCW/CW | 6.7/4.0 | 11.26" | 60/50 | 14 |
| 6010 | 1 | 1070 | 1 | 115/230 | CCW/CW | 11.0/6.7 | 12.76" | 60/50 | 14 |

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 |