

ECM 142R

ECM 142R is the next generation of high-efficiency, fractional-horsepower outdoor motors. 142R is ideally suited to outdoor applications such as split system outdoor units, package units, or any other prop fan air-moving. (Side-by-side with an induction motor), This ECM uses 20% less power compared to an induction motor.

SPECIFICATIONS

- Constant speed, constant torque, brushless DC motor
- 120V/ 240V AC single-phase input, 50/60Hz
- Designed for direct-drive fan propeller applications in residential systems up to 5-tons
- Available in 1/5, 1/3, 1/2, 3/4 and 1HP ratings
- Two operating speed ranges, 200 -1200 RPM & 200-1800 RPM
- NEMA 48-frame
- UL and CSA recognized component
- Single shaft with either integral control or remote control module
- Dual shaft with remote control with/ without mounting base

FEATURES

- Variable speed operation
- Low voltage AC or DC thermostat inputs or fully variable(PWM)
- 6kV surge protection
- Ball bearings

BENEFITS

- Efficiency up to 80%
- Constant torque or constant speed
- Encapsulated electronics
- Low audible noise due to patented resilient rotor design
- Totally enclosed motor with conduit connector for moisture protection

APPLICATIONS

- Split system outdoor unit
- Package unit
- Prop fan air-moving unit

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