



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, and 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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