



ECM 142R 460V

TARGETED APPLICATIONS

- High Voltage Light Commercial HVAC
- Condensers and Evaporators

SPECIFICATIONS

- Variable speed, constant torque, brushless DC motor
- 460VAC single-phase input, 50/60Hz
- Designed for direct-drive fan applications in systems such as rooftop package units up to 5-tons
- Available in 1/3, 1/2, 3/4 and 1HP ratings
- Operating speed range of 200-1200 rpm and 200-1800 RPM for 1/3, 1/2, and 3/4 HP rating
- NEMA 48-frame
- cURus recognized component
- Single shaft with integrated or remote mounted control module (same as existing 142R product)
- Dual shaft with remote mounted control provided with or without mounting base (same as existing 142R product)

FEATURES

- Variable speed operation from 200-1200 rpm or 200-1800 RPM for 1/3, 1/2, and 3/4 HP; 1 HP operating range is 200-1200 RPM
- Input options include: PWM control; 0-10VDC input; 5 discrete speeds w/ 24VAC signal; or DSI
- 6kV surge protection
- Similar performance to original ECM 142R
- High efficiency
- ECM Toolbox™ based programming software
- BlakBox Technology

BENEFITS

- Efficiency up to 80%
- Brings the benefits of ECM to high voltage applications without the need of a step-down transformer partnered with a standard voltage ECM
- Replace ECM 142R 230V motors and step-down transformers in 460V applications (Efficiency losses in a step-down transformer are, on average, 5%. By using the 460V instead of the 230V ECM 142R partnered with a step-down transformer, the full efficiency benefit is realized by the customer.)
- Using the latest version of ECM Toolbox™, OEM customers can easily create ECM 142R 460V motor programs from existing ECM 142R motor programs

REFERENCES

www.theDealerToolbox.com