



PRODUCT INFORMATION FOR PIKA 42

ENERGY EFFICIENT MOTOR FOR FAN COILS & BLOWER DECK APPLICATIONS

Whether you have been tasked with monitoring utility usage, implementing energy saving initiatives, or reducing operational costs, energy efficient motors are the gold standard for meeting these objectives.

SUMMARY

The new Pika 42 frame EC motor is the latest in the line of energy efficient motors. The Pika 42 is a more energy efficient solution for the standard PSC motor found in many fan coils and blower deck applications and holds an efficiency rating up to 80%.

SPECIFICATIONS

Rating

- Type Rated Output: 42-Frame ECM
- (HP) Rated Speed: 1/12 - 1/4
- (rpm) Voltage (V): 400 - 1800
- Phases Operation: 120/240, 277
- Mode Control: 1 Constant Torque, Constant Airflow

Electrical

- Method: (5) 24VAC Inputs, PWM
- Efficiency: Up to 80%
- Surge Protection: 6kV
- Control Coating: Potting Encapsulant
- Electrical Connection: Power & Signal: 16-Pin

Mechanical

- Enclosure: Open Air-Over
- Intended Location: Indoor
- Special Features: Blakbox, Bellyband/Ring/Resilient Base Mounting

FEATURES

- Standard with 5 discrete speed/torque points via 24VAC; optional PWM
- Maximum mounting flexibility with base, resilient ring, and bellyband options
- Available in both single shaft and dual shaft configurations
- Integrated controls on all models, eliminating need to remote mount control on dual shaft configurations
- Fully encapsulated stator and control for enhanced reliability
- Single 16-pin connector for both power and signal reduces harness/wiring cost
- Conducted EMI meets FCC Class A limits
- Fully programmable via ECM Toolbox

APPLICATIONS

- Commercial variable air volume (VAV)
- Fan filter units (FFU)
- PTAC
- Horizontal/Vertical Fan Coil Units
- Packaged Heat Pumps



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