

Electronically Commutated (EC) Motor

The EC motor is engineered for high efficiency and energy savings, serving as a replacement for traditional shaded pole motors. Utilizing electronic commutator technology and eco-friendly materials, this motor achieves an efficiency rate of 70%, substantially higher than the 20% rate of ordinary motors.



Overview

High-Efficiency EC Motor Technology

This Electronically Commutated (EC) motor is engineered for demanding HVAC&R applications, offering superior energy efficiency of up to 75%. Featuring a robust, permanent magnet construction and explosion-proof protection, it ensures reliable performance in challenging environments. With flexible voltage compatibility and high IP ratings, this motor is a versatile solution for professional cooling and ventilation systems.

Electrical Specifications

Output Power Options

- 9W
- 16W
- 32W

Voltage Range	100-240V
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Frequency	50 / 60Hz
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Performance & Control

Efficiency

75 %

Max Efficiency

Control Type	Electronic control
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Construction & Durability

Construction	Permanent Magnet
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Protection Features	Explosion-proof, IP65, IP67
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Insulation Class	H
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Compliance

Certifications

CCC • CE • RoHs • VDE • UL • EX