

# 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 |
|---------------|----------|

|           |           |
|-----------|-----------|
| Frequency | 50 / 60Hz |
|-----------|-----------|

## Performance & Control

### Efficiency

**75 %**

Max Efficiency

|              |                    |
|--------------|--------------------|
| Control Type | Electronic control |
|--------------|--------------------|

## Construction & Durability

|              |                  |
|--------------|------------------|
| Construction | Permanent Magnet |
|--------------|------------------|

|                     |                             |
|---------------------|-----------------------------|
| Protection Features | Explosion-proof, IP65, IP67 |
|---------------------|-----------------------------|

|                  |   |
|------------------|---|
| Insulation Class | H |
|------------------|---|

## Compliance

### Certifications

CCC • CE • RoHs • VDE • UL • EX