

# ECM Motor for Air Conditioning and Ventilation Systems

High-efficiency ECM (Electronically Commutated Motor) designed for air conditioning and ventilation systems. It is ideal for optimizing energy consumption and improving overall system performance in air conditioners and ventilation equipment.



## Product Overview

### High-Efficiency ECM Motor Series

The latest generation of Electronically Commutated Motors (ECM) utilizes advanced electronic control technology to achieve significant efficiency gains. Designed for seamless integration, these motors maintain the same external structure as traditional YZF series motors, allowing for direct replacement without modifications to existing fan blades, grids, or brackets. This series offers superior energy savings of up to 70%, reducing operational costs and carbon emissions while ensuring stable, reliable system performance.

## Performance & Efficiency

### Energy Efficiency Improvement

**70 %**

Energy Savings

### Control Capabilities

- Constant speed control
- Reverse on start
- Reverse on demand
- Two speed operation
- 0-10Vdc full speed control

## Technical Specifications

### Protection Class

IP65

### Safety Compliance

High safety class, High reliability

## Compatibility

### Retrofit Compatibility

The ECM series is engineered to be a drop-in replacement for YZF series motors. All standard accessories, including fan blades, rings, grids, and mounting brackets, are fully compatible with this unit, ensuring that upgrades can be performed without any additional mechanical changes.