

# Brushless DC Motor for Air Conditioners

This high-efficiency brushless DC motor is designed for central air conditioning systems. Its robust construction ensures long-lasting performance and reliable operation, while variable speed control optimizes energy consumption and airflow.



## Product Overview

### High-Efficiency Air Conditioning Motor

The ZWF series brushless DC motor is a permanent magnetic motor engineered specifically for indoor units of central air conditioning systems. Utilizing fractional-slot winding on the stator cores, this motor effectively reduces magnetic pull force torque, resulting in high efficiency, quiet operation, and minimal vibration. With its compact, resin-packed design and integrated drive circuit, it offers reliable, stepless speed control for optimized performance.

## Technical Specifications

Efficiency	80 %
Motor Technology	Permanent Magnetic Brushless DC
Available Voltage Types	High Voltage, Low Voltage

## Key Features

### Performance Highlights

**80 %**  
Efficiency Over

### Operational Advantages

- Quiet operation
- Low vibration
- Wide adjustable speed range
- Stepless speed control
- Compact size
- High reliability

## Construction

### Build Characteristics

Resin-packed • Inner drive circuit • Lightweight • Fractional-slot winding