

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