

# Brushless DC Electric Motor

High-efficiency brushless DC motor designed for industrial use. Features advanced electronic control for speed regulation and torque control.



## Product Overview

### ZWF Series Brushless DC Motor

The ZWF series is a high-efficiency permanent magnetic motor specifically engineered for frequency conversion outdoor units in split-type air conditioners. Utilizing fractional-slot winding on the stator cores, this design significantly reduces magnetic pull force torque while ensuring low noise and vibration levels. With an integrated inner drive circuit and resin-packed construction, this motor offers a compact, lightweight, and highly reliable solution for demanding industrial and appliance applications.

## Technical Specifications

Efficiency	80 %
Motor Type	Permanent Magnetic Brushless DC
Voltage Configuration	High Voltage Type, Low Voltage Type

## Key Features

### Performance Highlights

**80 %**

Minimum Efficiency

### Design Advantages

- Fractional-slot winding for reduced magnetic pull torque
- Integrated inner drive circuit
- Resin-packed construction
- Compact and lightweight
- Wide adjustable speed range
- Stepless speed control