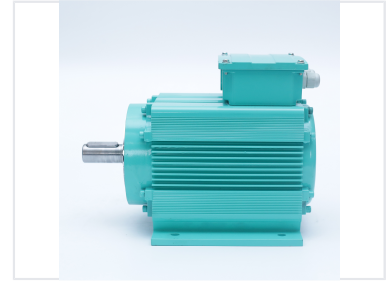


# Adjustable Rotation Synchronous Motor

This energy-efficient synchronous motor utilizes rare-earth permanent magnets. Its rotation direction is adjustable, offering flexibility in various industrial applications.



## ADDITIONAL IMAGES



## Product Overview

### XNTZ Series Permanent-Magnet Synchronous Motor

The XNTZ series is a high-efficiency, energy-saving permanent-magnet synchronous motor utilizing rare-earth NdFeB materials. Designed for industrial applications like fans and pumps, it offers stable torque, precise dynamic response, and step-less speed regulation. By replacing traditional asynchronous motors, it delivers 30-40% electricity savings and complies with IE4 efficiency standards.

## Technical Specifications

### Efficiency and Performance

**96 %**

Peak Efficiency

**0.98 cos $\phi$**

Power Factor

**35 %**

Electricity Savings

### Model Specifications

Model	Power (kW)	Voltage (V)	Efficiency (%)
XNTZ-120-90S	1.1	380	92.5
XNTZ-120-90S	2.2	380	93.5
XNTZ-120-90L	4	380	94
XNTZ-180-112S	5.5	380	94
XNTZ-180-112L	15	380	95
XNTZ-210-132L	22	380	96

### Key Performance Characteristics

Energy Saving, High Power Density, Rare-Earth NdFeB, Variable Frequency Vector Control, IE4 Compliant

## Features & Applicability

### Typical Applications

- Industrial Fans
- Pumps
- Pavement Construction Machines
- Air Compressors

### Design & Operational Benefits

- Modular design for independent drive fan and encoder
- Compatible with variable frequency vector control
- Compact frame size compared to asynchronous motors
- Low inertia and large starting torque
- Operational in demanding industrial environments