

# Adjustable Rotation Synchronous Motor with Rare-Earth Magnets

This synchronous motor features rare-earth permanent magnets for energy savings. The rotation direction is adjustable, providing versatility for different industrial applications.



## ADDITIONAL IMAGES



## Product Overview

### High-Efficiency Synchronous Solution

The XNTZ series permanent-magnet synchronous motor utilizes advanced rare-earth NdFeB magnets to deliver exceptional efficiency, energy savings up to 35%, and high power density. Designed for industrial reliability, it features a modular structure that allows for easy replacement of standard asynchronous motors while providing superior dynamic response and stable control. This motor is an ideal, high-performance solution for demanding applications such as industrial fans, pumps, and air compressors.

## Key Features

### Performance Advantages

Energy Efficient (IE4 Standard), High Power Factor, Rare-Earth NdFeB Material, Modular Design, Variable Speed Control, Compact Volume

## Technical Specifications

### Operating Characteristics

**96 %**

Maximum Efficiency

**0.98 cos $\phi$**

Power Factor

**200 HZ**

Frequency

**3000 r/min**

Operating Speed

### Model Specifications

Model	Power (kW)	Voltage (V)	Current (A)
XNTZ-120-90S	1.5	380	3
XNTZ-120-90L	4	380	7.5
XNTZ-180-112S	5.5	380	10
XNTZ-180-112L	15	380	27
XNTZ-210-132S	11	380	19
XNTZ-210-132L	22	380	38.5

## Application Suitability

### Industrial Applications

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