

# Energy-Efficient Permanent Magnet Synchronous Motor

This energy-efficient permanent magnet synchronous motor features adjustable rotation direction. Operating at 220V, it achieves 1500 RPM and offers IP55 protection.



## ADDITIONAL IMAGES



## Product Overview

### High-Efficiency Synchronous Performance

The XNTZ series permanent-magnet synchronous motor utilizes rare-earth NdFeB materials to provide superior power density and efficiency. Designed for industrial applications such as fans, pumps, and compressors, this motor maintains high performance and a stable power factor even under varying load conditions. It offers a significant energy savings of 30-40% compared to standard IE1 motors, facilitating a fast return on investment.

## Key Features

### Advanced Characteristics

- IE4 efficiency standard compliance
- Compact volume and lightweight construction
- Variable frequency vector control for high accuracy
- Modular design for flexible configuration
- Compatible with standard asynchronous motor mounting structures

### Suitable Applications

Industrial Fans, Water Pumps, Pavement Construction, Air Compressors

## Technical Specifications

### Operating Performance

**96 %**

Efficiency Rating

**0.98 cos $\phi$**

Power Factor

### Performance Data Table

Type	Power (kW)	Voltage (V)	Current (A)
XNTZ-120-90S	0.75	380	1.5
XNTZ-120-90L	4	380	5.7
XNTZ-180-112S	5.5	380	7.1
XNTZ-210-132L	30	380	38.5