

# Electromagnetic Speed Regulating AC Motor

This AC motor uses electromagnetic slip to achieve stepless speed regulation. It is suitable for applications requiring variable speed control.



## ADDITIONAL IMAGES



## Overview



Robust frame construction with integrated cooling fins for optimal heat dissipation.

### YCT-Series Electromagnetic Speed Regulating Motor

The YCT-series is an advanced AC motor system utilizing electromagnetic slip coupling to achieve smooth, stepless speed regulation. Engineered for continuous industrial duty, this motor allows for precise control of capacity and pressure without the need for traditional valves. Its robust construction ensures high efficiency and reliable operation in demanding environments such as textile, metallurgical, and chemical processing.

## Key Features



Precision-engineered for applications requiring stable, variable speed performance.

### Product Highlights

- Stepless AC speed regulation
- Automatic speed variation control (d 2.5%)
- High starting torque
- Wide speed range (max 10:1)
- Low power control requirements
- Energy-saving design

## Operating Specifications

### Insulation Class

Class F

### Protection Class

IP44 • IP54

### Power Range

100 kW

### Voltage Ratings

380V (Motor), 220V (Controller)

## Environmental Conditions

### Ambient Temperature

-15°C to +40°C

### Maximum Altitude

1000 m

## Technical Dimensions



Sturdy mounting flange and accessible terminal box for simplified industrial installation.

### Frame Size Range

H80-225

### Pole Counts

2, 4, 6, 8, 10