

Electromagnetic Adjustable Speed AC Motor

This AC motor offers adjustable speed through electromagnetic slip technology. Its speed is modified by varying the excitation current of the electromagnetic slip clutch.



Product Overview

High-Efficiency Stepless Speed Control

The YCT series electromagnetic adjustable speed induction motor is a robust AC machine designed for constant torque applications requiring precise, stepless speed regulation. Engineered for versatility, it integrates an induction motor, electromagnetic slip clutch, and tachometer generator for seamless operation. This motor excels in demanding industrial environments, offering reliable automatic speed regulation with a variation rate of less than 3%.

Technical Specifications

Performance Metrics

3 %

Speed Variation Rate

2 V

Excitation Voltage

Core Components

- 3-phase induction motor
- Electromagnetic slip clutch
- Tachometer generator
- Electrical controlling unit

Insulation Class

Class F

Key Features

Suitable Industries

- Spinning and weaving
- Film production
- Chemical industry
- Sprinting and dyeing
- Metallurgy
- Rubber manufacturing
- Electric wire production
- Centrifugal pumps and blower fans

Key Operational Benefits

Stepless Speed Regulation, High Starting Torque, Easy Maintenance, Low Control Power, Automatic Regulation