

Electromagnetic Adjustable Speed AC Motor

This AC motor provides precise speed control through an electromagnetic slip coupling. Varying the excitation current applied to the coupling adjusts the slip between the rotor and output shaft, enabling smooth and efficient speed changes.



Product Overview

Precision AC Speed Control

The YCT series electromagnetic adjustable speed motor is an AC constant torque motor designed for uniform, stepless speed regulation. Featuring an automatic speed negative feedback system, it ensures speed stability with a change rate of less than 3%. This reliable solution is ideal for industrial sectors including textile, printing, and petrochemical processing, offering smooth starting performance and excellent control flexibility.

Technical Specifications

Key Performance Metrics

90 kW Maximum Power	10 :1 Speed Control Ratio	3 % Speed Change Rate
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Protection Grade

IP21

Frame Height Range: 112 - 355 mm

Thermal Class: 155 (F)

Cooling Method: IC411

Electrical Ratings

Standard Voltage: 380 V

Frequency: 50 Hz

Operational Features

Common Industrial Applications

- Light Industry
- Textile
- Printing
- Papermaking
- Petrochemical
- Food and Sugar Processing
- Cement Production
- Cable Manufacturing
- Fans and Pumps (Energy Saving)

Control Options

Group Control, Remote Control, Stepless Regulation