

# Single-Phase AC Electric Motor

This single-phase electric motor is designed for various industrial applications. It features robust construction that ensures durability and reliable performance suitable for powering machinery and equipment.



## Product Overview

### High-Efficiency YCL Series Motor

The YCL series is a heavy-duty, single-phase capacitor start asynchronous motor designed for reliable performance in industrial and household applications. Engineered for improved efficiency and thermal management compared to previous series, this motor offers superior starting torque and stable operation. It is built in strict conformity with IEC standards, ensuring consistent quality for machinery such as small lathes and water pumps.

## Key Performance Metrics

### Operational Improvements

<b>4.21 %</b> Efficiency Increase	<b>8.47 K</b> Thermal Rise Reduction
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## Technical Specifications

### Available Voltages

- 110V
- 115V
- 120V
- 220V
- 230V
- 240V

### Insulation Class

Class B • Class F

### Protection Class

IP44, IP54

## Operating Conditions

### Environmental Limits

Parameter	Value
Ambient Temperature	-15°C to 40°C
Max Altitude	1000m
Duty Cycle	S1 (Continuous)