

# Single-Phase Heavy-Duty Electric Motor

This single-phase electric motor is designed for heavy-duty use in small machine tools and water pumps. Meeting IEC standards, it features robust construction for reliable performance.



## ADDITIONAL IMAGES



## Product Overview

### Robust Single-Phase Performance

The YC series heavy-duty single-phase motor is engineered for reliable operation in small machine tools and water pumps. Featuring a totally enclosed fan-cooled (TEFC) design, it delivers excellent performance with high starting torque and efficient, smooth operation. Built to meet stringent international standards, it is an ideal power solution for workshops requiring high-quality single-phase power integration.

## Technical Specifications

Protection Class	IP44 Totally Enclosed Fan-Cooled (TEFC)
Certifications	CE, ISO, GS Verified

## Operating Conditions

Ambient Temperature	-15°C to 40°C
Maximum Operating Altitude	1000 m

## Performance Data

### Starting Torque Ratio

**3 x Rated**

50Hz Starting Torque

**2.75 x Rated**

60Hz Starting Torque

### Standard Models Overview

Model	Power (HP)	Power (kW)	Speed (RPM)	Efficiency (%)	Weight (kg)
YC80A-2	0.5	0.37	2880	62	10
YC80B-2	0.75	0.55	2880	65	11
YC80C-2	1	0.75	2880	68	13
YC90S-2	1.5	1.1	2880	71	17
YC90L-2	2	1.5	2900	72	22
YC100L-2	3	2.2	2900	74	29