

# Right Angle AC Gear Motor

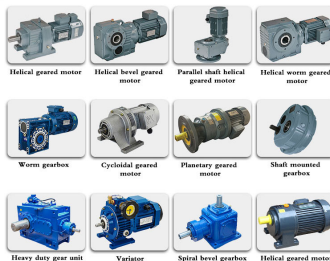
This AC gear motor features a right angle gear configuration for efficient power transmission. It is ideal for applications requiring low speed and high torque, such as automation systems and industrial machinery.



## ADDITIONAL IMAGES



## Overview



Our modular design approach supports a wide variety of configurations including helical, bevel, and planetary gear systems to meet diverse transmission needs.

## High-Performance Helical Gearmotors

This new generation of helical gearmotors features a modularized design with hard teethface gears for superior reliability. Engineered for compact construction and high mechanical efficiency, these units deliver great transmission torque while maintaining low noise levels. They are ideal for demanding industrial environments including chemical, mining, and metallurgy sectors.

## Performance Metrics

### Key Performance Metrics

**94 %**

Mechanical Efficiency

**68 dB**

Max Noise Level

**20  $\mu$ m/s<sup>2</sup>**

Max Vibration

## Material Specifications

### Construction Materials

Component	Material	Hardness
Housing	HT250 High-strength Cast Iron	HBS190-240
Gears	20CrMnTi Alloy Steel	Surface: HRC58°-62° / Core: HRC33-40
Input/Output Shaft	42CrMo Alloy Steel	HRC25-30

## Technical Features

Gear Machining Precision	Accurate grinding, Grade 6-5
Backlash	20 Arcmin
Heat Treatment Processes	Tempering, Cementiting, Quenching

## Operational Limits

### Maximum Temperature Rise

- Ambient Temperature Rise: 40
- Oil Temperature Rise: 50

## Components & Maintenance

### Recommended Lubricating Oil

- GB L-CKC220-460
- Shell Omala 220-460

## Applications

### Target Industries

Paper Making • Chemical Machinery • Mining • Metallurgy • Petroleum • Pharmaceutical Agitators • Ceramic Production