

AC Gear Motor Reducer

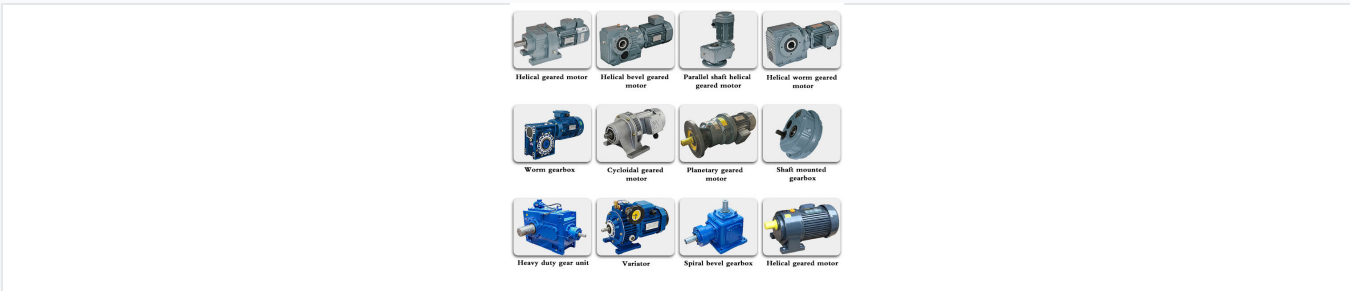
This AC gear motor reducer features a high-strength cast iron housing for durability. It is designed for efficient speed reduction and torque amplification in various industrial applications.



ADDITIONAL IMAGES



Overview



A comprehensive range of available gearbox configurations including helical, worm, planetary, and cycloidal designs.

High-Performance Helical Gear Reducer

This next-generation helical gearmotor is engineered with a modular design for superior transmission torque and high mechanical efficiency. Built with high-strength HT250 cast iron and premium 20CrMnTi alloy steel gears, it offers exceptional durability and low-noise operation. It is an ideal solution for demanding industrial applications including chemical processing, mining, metallurgy, and heavy machinery.

Construction & Materials

Housing Material	HT250 high-strength cast iron
Housing Hardness	HBS190-240
Gear Material	20CrMnTi alloy steel
Input/Output Shaft Material	42CrMo alloy steel

Performance Metrics

Efficiency

94 %

Efficiency Range

Machining Precision	Grade 6-5 (Accurate Grinding)
Noise Level	68 dB
Backlash	d 20 Arcmin

Technical Specifications

Gear Surface Hardness	HRC 58-62
Gear Core Hardness	HRC 33-40
Shaft Hardness	HRC 25-30
Max Temperature Rise	40 °C
Vibration Limit	d 20 µm

Compatibility

Recommended Lubricants

- GB L-CKC220-460
- Shell Omala220-460

Power Compatibility	220V, 380V, 50Hz, 60Hz
---------------------	------------------------

Applications

Suitable Industries

Paper Making • Printing Machinery • Chemical Machinery • Cement Agitator • Pharmaceutical • Mining • Metallurgy • Ceramic Production