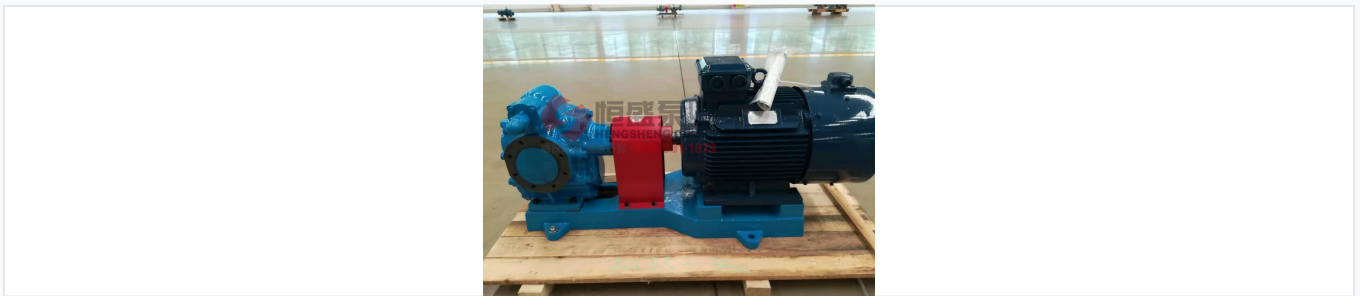


Gear Oil Pump

This gear pump is suitable for use as a transmission and booster pump in oil transportation systems. It can also function as a fuel pump for conveying, pressurizing, and spraying in fuel systems.



Overview



Standard industrial configuration featuring the gear pump coupled with a three-phase induction motor.

KCB Series Gear Pump

The KCB series gear pump is a robust positive displacement pump engineered for the reliable transfer of viscous fluids. Designed with high-strength materials and precision heat-treated gears, it excels in demanding industrial environments including oil transportation, fuel systems, and general lubrication. The unit features an integrated safety valve for overload protection and offers flexible configuration options to meet specific operational requirements.

Performance Metrics

Maximum Pressure

1.45 MPa

Max Pressure

Maximum Flow Rate

580 m³/h

Max Flow

Maximum Temperature

300 °C

Max Temp

Technical Specifications

Safety Features

- Integrated safety valve for overload protection
- Safety valve set to 1.5x rated discharge pressure

Viscosity Range

5 - 1500 mm²/s (standard); up to 50000 mm²/s (at reduced speed)

Rotation Direction

Clockwise (viewed from spindle extension)

Design & Construction



Internal gear mechanism design illustrating the positive displacement pumping action.

Optional Features

Magnetic Drive • Zero Leakage Structure

Key Components

Gear, Shaft, Pump Body, Valve, Shaft End Seal

Applications

Industry Applications

- Oil transportation systems (transmission and booster)
- Fuel systems (conveying, pressurizing, spraying)
- Industrial lubrication