

# Marine Vertical Centrifugal Pump

This marine vertical centrifugal pump is designed according to ISO standards. It is suitable for ships and warships as a ballast pump, bilge pump, cooling pump, drainage pump, or fire pump.



## Overview



The vertical design of the CLH series saves valuable deck space while providing high-flow centrifugal performance.

## High-Performance Marine Pumping Solution

The CLH series is a self-designed vertical centrifugal pump engineered specifically for marine environments in accordance with CB/t3523-93 and ISO standards. Its vertical configuration is optimized for space-constrained installations on ships and warships, providing efficient fluid transfer for critical onboard systems. This robust pump series is built to withstand harsh maritime conditions, ensuring long-term reliability for ballast, bilge, and fire-fighting applications.

## Performance Range

### Key Performance Metrics

**1500 m<sup>3</sup>/h**  
Max Flow Rate

**160 m**  
Max Head

**80 °C**  
Max Temperature

Flow Range: 3-1500 m<sup>3</sup>/h

Head Range: 8-160 m

## Technical Standards

Compliance Standards: CB/t3523-93, ISO Standards, Marine Grade

## Applications

### Marine & Naval Use

- Ballast pump
- Bilge pump
- Cooling pump
- Drainage/Discharge pump
- Fire pump
- Seawater desalination water supply

### Industrial & Civil Use

- Petrochemical pipeline booster
- Cold and hot water circulation systems
- High-rise building living water supply
- Water tank unit supply

## Design Features



Engineered for demanding conditions, suitable for cooling water circulation and fire fighting systems.

### Construction Type

Vertical Configuration • Centrifugal • Corrosion Resistant • Space-Saving

### Mechanical Components

- Dynamically balanced impeller
- Heavy-duty bearings
- Mechanical sealing system
- Easy maintenance access