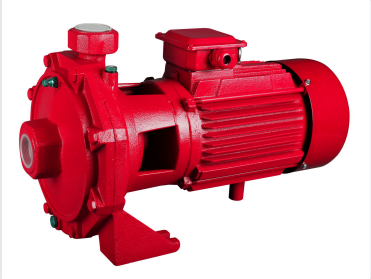
High Pressure Centrifugal Pump

This centrifugal pump is engineered with back-to-back impellers for high head applications, exceeding the capabilities of single impeller pumps. It is suitable for pumping clean water and non-aggressive liquids in industrial, civil, and domestic settings, particularly for pressure boosting and boiler feeding.



ADDITIONAL IMAGES

Overview

High-Performance Dual-Impeller Centrifugal Pump

The 2CCP series features a robust design with two back-to-back impellers, specifically engineered to deliver higher head pressure than standard single-impeller pumps. These units are ideal for demanding applications including pressure boosting, industrial water supply, and fire-fighting systems. Built for reliability and efficiency, they handle clean water and non-aggressive liquids across civil, agricultural, and industrial sectors.

Performance Highlights

Key Performance Metrics

10 bar	40 °C	2850 r/min
Max Operating Pressure	Max Fluid Temp	Rated Speed

Applications

Recommended Uses

- Pressure boosting washing systems
- Fire-fighting units and cooling systems
- Industrial water supply
- Horticultural and agricultural irrigation
- Boiler, chiller, and refrigeration systems
- Civil and domestic water transfer

Construction Materials

Material Specifications

Component	Material
Pump Body	Cast Iron
Impeller	Double Brass
Motor Housing	Aluminum or Cast Iron
Shaft	45# Steel / Stainless Steel AISI 420
Mechanical Seal	Ceramic steatite / Metalized carbon / Silicon carbide

Technical Standards

Protection & Insulation

IP44 • IP54 • Class B Insulation • Class F Insulation • Continuously Rated Duty

Operating Limits

Environmental Limits

- Maximum ambient temperature: 40°C
- Maximum fluid temperature: 40°C
- Maximum operating pressure: 10 bar
- Installation: Covered area protected against weather

Motor Specifications

Motor Features

- Closed construction
- Externally ventilated cooling
- High-efficiency performance
- Thermal overload protection (select models)

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