

Centrifugal Water Pump for HVAC and Domestic Hot Water

This centrifugal pump is designed for hot water pressurization and circulation in homes, hotels, and various heating systems. It is suitable for use with solar heat pumps, air source heat pumps, and small boilers.



Product Overview

High-Performance Centrifugal Water Pump

This centrifugal water pump is expertly engineered for efficient hot water pressurization and circulation in both domestic and commercial environments. Featuring a robust cast iron body with electrophoretic treatment, it offers superior rust resistance and long-lasting durability. The integrated design combines a high-performance motor with a specialized centrifugal impeller to deliver consistent flow while maintaining low noise operation.

Technical Specifications

Liquid Temperature Range	0 to +90
Rated Voltage Options	220V/50Hz (Single-phase), 380V/50Hz (Three-phase)
Available Models	MCPH100 to MCPH25/160A

Key Features

Performance Highlights

1 Households

Supply Capacity

Design Advantages

- Low noise operation via unique centrifugal impeller
- Electrophoretic treatment for rust prevention
- Integrated pump and motor structure
- Maintenance-free design
- Overheat and overload protection (single-phase)

Construction Materials

Component Materials

Component	Material
Pump Body	Cast Iron (Electrophoresis)
Impeller	Copper / Stainless Steel
Mechanical Seal	Graphite / Silicon Carbide
Bearing	NSK
Axle	Stainless Steel
Motor Housing	Aluminum Alloy

Applications

Primary Applications

Hot water pressurization • HVAC systems • Solar heat pumps • Air source heat pumps • Ground source heat pumps • Small boilers