

# Variable Frequency Permanent Magnet Water Pump

This permanent magnet water pump utilizes variable frequency technology. It automatically adjusts motor speed according to water consumption to maintain consistent water pressure and conserve energy.



## Overview

### High-Efficiency Variable Frequency Pump

This advanced multistage centrifugal pump utilizes a rare earth permanent magnet synchronous motor to deliver ultra-high energy efficiency with minimal power consumption. Designed for consistent water pressure, it features cutting-edge non-inductive driving technology for zero-maintenance operation. The pump is constructed with rugged, corrosion-resistant materials, making it a reliable solution for modern family water supply systems.

## Performance Metrics

### Key Performance Metrics

<b>50 m</b> Maximum Head	<b>80 L/min</b> Maximum Flow Rate	<b>10 bar</b> Maximum Pressure	<b>1000 W</b> Maximum Power (P1)
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## Technical Specifications

### Electrical Characteristics

- Voltage: 160V-250Vac
- Frequency: 50/60Hz
- Max Current: 4.6A
- Standby Power: 1W
- Speed Range: 1200-3500 rpm

### Operating Limits

Parameter	Value
Max Water Temp	60°C
Ambient Temp	50°C
Protection Rating	IP55
Duty Cycle	S1
Insulation Class	155(F)

### Material Composition

PPO, PA6+GF30, IIR, 304 Stainless Steel