

## Hitachi WT-P200Y

# Hitachi WT-P200Y Automatic Shallow Well Pump User Manual

Model: WT-P200Y

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## INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Hitachi WT-P200Y Automatic Shallow Well Pump. Please read this manual thoroughly before using the product and keep it for future reference.

The Hitachi WT-P200Y is an inverter-controlled automatic shallow well pump designed for reliable water supply. It features an easy-to-use control panel for convenient operation.

## SAFETY INFORMATION

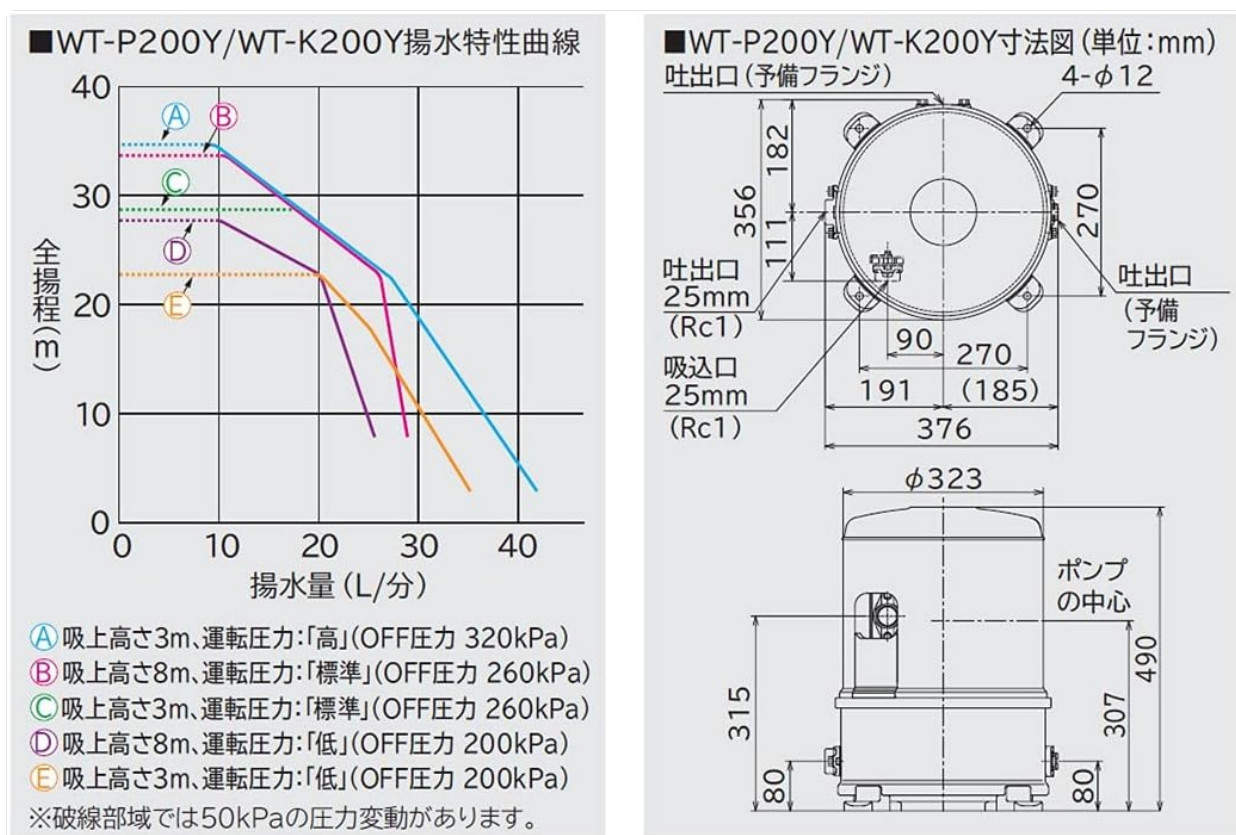
Always observe the following safety precautions to prevent injury or damage to the product.

- Ensure the power supply matches the pump's requirements (Single Phase 100V, 50/60Hz).
- Do not operate the pump without water, as this can cause damage.
- All electrical connections must be performed by a qualified electrician in accordance with local codes.
- Keep children and unauthorized personnel away from the pump during operation.
- Disconnect power before performing any maintenance or repairs.
- Protect the pump from freezing temperatures.

## SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and longevity of your pump.

1. **Unpacking:** Carefully remove the pump from its packaging. Inspect for any shipping damage.
2. **Placement:** Install the pump on a stable, level surface in a well-ventilated area, protected from direct sunlight, rain, and freezing. Ensure adequate space for maintenance.
3. **Piping Connections:**
  - Connect the suction pipe (25mm, Rc1) to the pump's suction inlet. Ensure an airtight seal to prevent air leaks.
  - Connect the discharge pipe (25mm, Rc1) to the pump's discharge outlet.
  - Use appropriate fittings and sealants to prevent leaks.
4. **Priming:** Before initial operation, the pump must be primed.
  - Remove the priming plug (if applicable) or fill the pump casing with water until full.
  - Replace the plug securely.
5. **Electrical Connection:** Connect the power cord to a grounded 100V, 50/60Hz power outlet. Ensure the circuit is protected by a suitable circuit breaker.



**Figure 1:** Diagram showing the Hitachi WT-P200Y pump's dimensions and performance curve. The diagram illustrates the pump's physical measurements, including discharge and suction outlets, and a graph detailing the relationship between total head (m) and discharge volume (L/min) under various operating pressures and suction heights. This helps in planning installation and understanding operational limits.

## OPERATING INSTRUCTIONS

The WT-P200Y features an easy-to-use control panel for selecting operating modes.

### 1. Initial Start-up:

- After ensuring proper installation and priming, plug in the pump.
- The pump will automatically start when water is demanded (e.g., opening a faucet) and stop when demand ceases.

2. **Selecting Operating Pressure Modes:** The control panel allows selection of different pressure modes. Refer to the panel diagram for specific settings.
- **Standard Mode:** Provides balanced pressure for general household use.
  - **High Pressure Mode:** For applications requiring stronger water pressure.
  - **Low Pressure Mode:** For situations where reduced pressure is desired.
3. **Automatic Operation:** The pump is designed for automatic operation. It will detect water demand and adjust its output accordingly, thanks to its inverter technology.



**Figure 2:** Image displaying the easy-to-use control panel of the Hitachi WT-P200Y pump. The panel allows users to select from various operating pressure modes (Standard, High, Low) to suit different water usage requirements. This image also highlights the wear-resistant elastic casing technology.

**MAINTENANCE**

Regular maintenance ensures the longevity and efficient operation of your pump.

- **Monthly Checks:**
  - Inspect for any visible leaks around connections.
  - Check for unusual noises or vibrations during operation.
- **Annual Inspection:**
  - Clean any debris from the pump's exterior.

- Verify the condition of the power cord and plug.
  - For internal component checks, it is recommended to contact a qualified service technician.
- **Winterization (for cold climates):**
    - Drain all water from the pump and piping to prevent freezing damage.
    - Store the pump in a warm, dry place if possible, or insulate it thoroughly.

**つよし 圧力強くん 浅井戸用 インバーターポンプ WT-P200Y**

**Y** 〈新登場〉  
**シリーズ**

**浅井戸用**  
**つよし 圧力強くん**  
 日立インバーターポンプ



**HITACHI**

**WT-P200Y NEW**

1

**新 Y 字溝形状羽根車を採用**  

**(200Wクラス)  
日立ポンプ史上最高※1**

**押上高さ23mを実現※2**

※1 2021年1月20日時点。 ※2 日立製ポンプ200Wクラスにおいて、吸上高さ8m。JIS B 8314に基づき測定。



羽根車

ポンプヘッド(断面) イメージ図

水圧が高いので、3階の風呂設置や配管抵抗の大きいヘッダー配管にもおすすめです。※3



従来製品 WT-P200X 羽根車

従来は T 字形状

本製品 WT-P200Y 羽根車

この部分が Y 字形状 押上高さアップに貢献

※3 吸上高さ、押上高さにより給水量が異なります。

**Figure 3:** An internal view of the Hitachi WT-P200Y pump, highlighting the innovative Y-shaped impeller design and the wear-resistant elastic casing. This design contributes to the pump's high lift capability and durability, reducing wear from sand and debris in the water.

## TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Pump does not start.	No power supply; tripped circuit breaker; motor overload.	Check power connection; reset circuit breaker; allow motor to cool down.

Problem	Possible Cause	Solution
Pump runs but no water is delivered.	Pump not primed; air leak in suction line; low water level in well; clogged suction filter.	Re-prime the pump; check all suction connections for leaks; verify well water level; clean suction filter.
Low water pressure.	Partial clog in piping; incorrect pressure mode selected; worn impeller.	Check and clear piping; select higher pressure mode on control panel; contact service for impeller inspection.
Pump cycles frequently.	Small leak in plumbing system; pressure switch malfunction.	Inspect plumbing for leaks; contact service for pressure switch check.

## SPECIFICATIONS

Feature	Detail
Model	WT-P200Y
Brand	Hitachi
Power Source	Power cord type
Voltage	100 Volts (Single Phase)
Frequency	50/60Hz
Rated Output	200W
Wattage (Power Consumption)	440 W
Product Dimensions (L x W x H)	35.6 x 37.6 x 49 cm
Product Weight	14 kg
Max Flow Rate	35 liters/minute
Max Lift Height	12 meters
Color	Gray
Included Accessories	Instruction Manual



WT-P200Y <b>NEW</b>		
132,000円☆ (税込) 120,000円☆ (税別)		
全揚程(m)	吸上高さ(m)	揚水量(L/分)
12	8	28
	3	35
※ポンプ据付位置が水面より低い場合の押込は2mまで。		
出力:200W   50/60Hz共用   電源:単相100V		
耐摩耗弾性ケーシング		電源ケーブル2m
凍結防止機能		自吸式(逆止弁内蔵)
消費電力440W		

**Figure 4:** A general view of the Hitachi WT-P200Y Automatic Shallow Well Pump. This image provides an overall visual reference of the product's design and appearance.

## WARRANTY AND SUPPORT

This product comes with a **1-year manufacturer's warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support, service, or warranty inquiries, please contact Hitachi Global Life Solutions customer service. Contact information can typically be found on the official Hitachi website or on your purchase documentation.

*Note: Unauthorized repairs or modifications will void the warranty.*