

# Water Pump

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Inspire the Next

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## UPGRADE FOR LIFE

With the latest advanced technology and the trust that comes with a 100-year reputation for reliability, Hitachi home appliances are the ultimate choice for every room, in every home.

Featuring smart human-friendly designs, advanced eco-conscious technologies and quality materials, Hitachi home appliances accentuate your everyday life. Upgrade for life.



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Hitachi Sales (Malaysia) Sdn. Berhad (11543-v) Customer Careline: 1 800 88 1122

Website: www.hitachiconsumer.com.my | Email: marketing.hsm.tf@hitachi.com | Mon - Fri 9.00am - 5.45pm | Hitachi Sales Malaysia



# UPGRADE FOR LIFE



Constant Water Pressure

# Hitachi Automatic Water Pumps

## Powerful Water Supply for the Comfortable Usage

The pumps ensure high water pressure and guarantee satisfaction with superior pumping power, durability, quiet operation and environmental friendliness.

### Durable and High Powered Motor

Hitachi's motors are designed for long service life and powerful pumping. They are manufactured under the strict quality controls.



### Japanese Standard Quality

Having 96 years of water pump manufacturing experience, these exceptional pumps are designed to deliver high performance and reliability.

### Environment-Friendly Design

Every units are certified with the stringent RoHS standard, as well as ISO 9001 for factory quality management, and ISO 14001 for environmental management.

### Quiet, Non-Disturbing Operation

The inverter system and the DC/IPM motor are technologically advanced and allow for quiet operation.



### Reliable, Long-Lasting Safety

Especially designed for durability, longer service life and safety

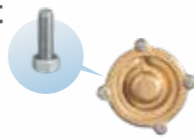
#### Reliable, Advanced Motor

Hitachi's motors are widely regarded for their high performance and long-lasting durability.



#### Rust-Resistant Bolts

The stainless bolts are rust-resistant and contribute to ease of maintenance throughout the pump's service life.



#### Thermal Relay

The thermal relay is an important mechanism inside Hitachi motors. It automatically disengages the motor when the temperature rises above the preset level and re-engages the motor when it is safe to do so.



#### Rust-Resistant Check Valves

Copper alloy check valves installed in water pumps are machined from a special alloy so you can rest assured that they will be rust-resistant and contribute to the overall durability of your water pump.



#### Heat-Resistant Rubber Seals

Seals are made of heat-resistant materials. They are less likely to fracture so you will not be troubled by water leakage.



#### Water Temp Relay

The water temp relay temporarily pauses operation when it becomes too hot. This prevents deformation of parts due to overheating.



#### Specially Designed Pump Head

The single-piece, seamless, molded pump head made from special plastic and first-grade materials frees you from worries of rust and leakage while giving you superior water output.

#### Ventilation Fan

Hitachi's specially designed vent fan works wonders in ventilating heat to ensure more effective operation and thereby prolong the motor's life.



#### Specially Designed Pump Cover

The pump cover has been newly designed to comply with the stringent IEC safety standard. The cover fits snugly on the body, enhancing safety during operation. A heat ventilation duct at the back also helps the unit to work more effectively.



## 5 Types to Choose From

Page 3-4



#### Compact Type for Shallow Wells

Providing constant water pressure.

Page 5



#### Turbine Type for Shallow Wells

Big capacity, quiet automatic turbine pump for more comfortable life in urban areas.

Page 6



#### Non-Automatic N-Series

Xxxx xxxxxxx xxxxxx

Page 7



#### Tank Type for Shallow Wells

Automatic operation for greater convenience.

Page 8



#### Tank Type for Deep Wells

Ideal for deep well suction.

# Compact Type for Shallow Wells



WM-P350XS

**No More Pressure Worries with This Compact, High-Performance Pump**

## Constant Water Pressure

### Life-Extending Pressure-Stabilized Unit



This unit controls the flow of water to maximize pressure switch life and the pump's service life, ensuring continuously stable water pressure. The result is that you will no longer be troubled by irregular or intermittent water supply.

### Bladder Tank



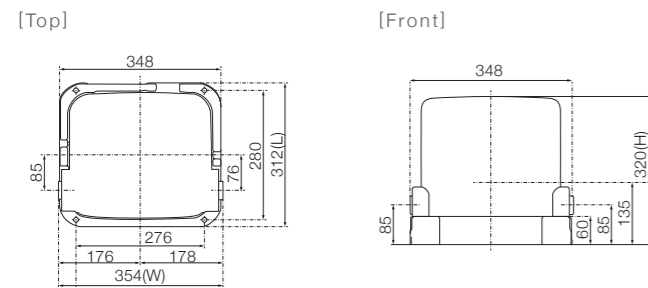
It is lined with a diaphragm of rubber sheets and filled with nitrogen. These advanced Hitachi technologies ensure stable water pressure and convenience since there is no need to refill the gas or worry about rust throughout the tank's service life.

WM-P350XS 350W  
WM-P300XS 300W

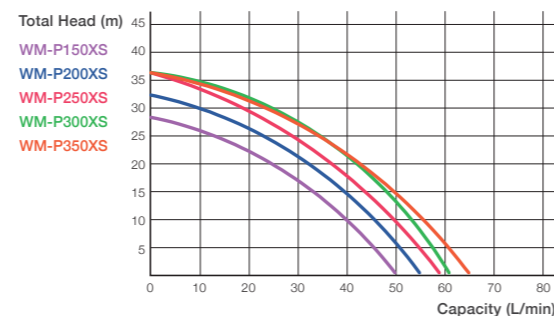
WM-P250XS 250W  
WM-P200XS 200W

WM-P150XS 150W

Dimensions (mm)



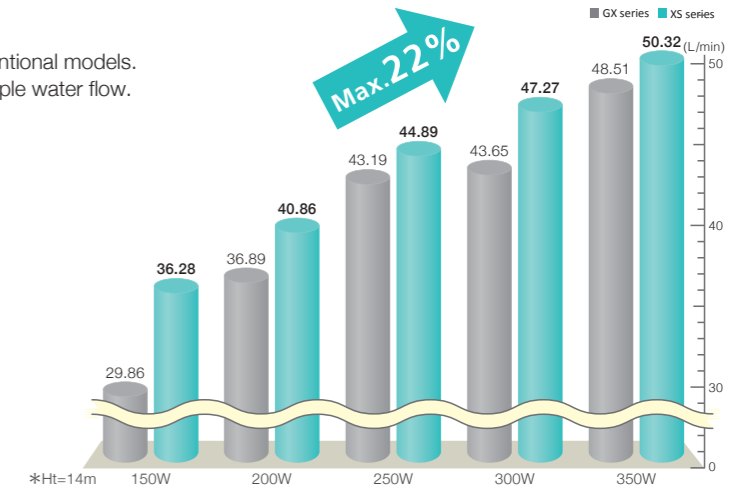
Performance Chart



## Big Water Capacity

Increased by up to max. 22%

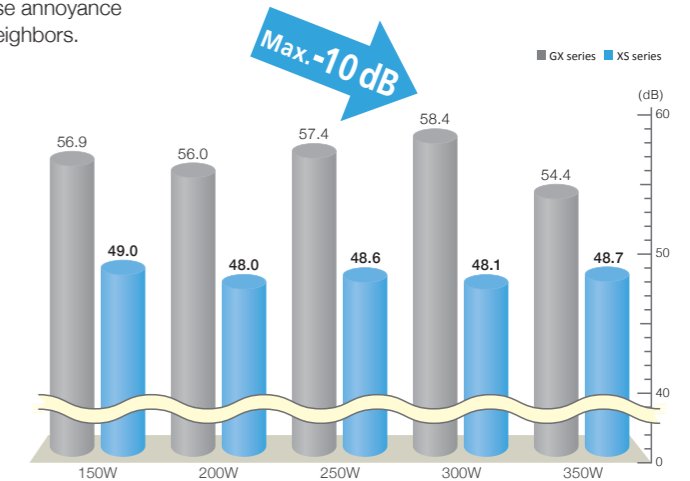
Pumping discharge is increased up to 22% compared with conventional models. Even if your place has many water taps, you can always enjoy ample water flow.



## Quiet Operation

Reduced by up to max. 10dB

New XS series achieved both powerful water flow and quiet operation by reducing the metallic sound when the pump is in operation. Even the areas where the houses are close together, it's unlikely to cause annoyance and you can enjoy a late-night shower without worry of disturbing the neighbors.



## Compact Design

Thanks to the bladder tank and the pressure-stabilized unit, the water pump comes in a compact size. This small size makes installation more convenient and less space consuming.

## Reliable, Long-Lasting Safety

Reliable, Advanced Motor



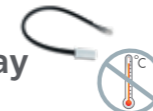
Thermal Relay



Ventilation Fan



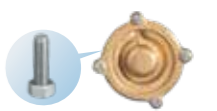
Water Temp Relay



Rust-Resistant Check Valves



Rust-Resistant Bolts



\*More details on P1-2

# Turbine Type for Shallow Wells



TM-60L

**Quiet and Big Capacity Operation  
for Homes in Urban Areas**

## Automatic Turbine

### Quiet 49dB Operation

Thanks to this quiet operation, it's unlikely to cause annoyance even in urban areas where houses are close together.

### Big 60L/min Water Capacity

Enables simultaneous use of up to seven water outlets.

### Sand & Rust Resistance

The wide blades of turbine pumps provide resistance to foreign objects (dust/sand/rust from pipes).

### Compact Design

Thanks to the bladder tank and the pressure-stabilized unit. Its small size makes installation more convenient and less space consuming.

## Constant Water Pressure

### Life-Extending Pressure-Stabilized Unit

This unit controls the flow of water for longer switch and pump's service life. You will no longer be troubled by irregular or intermittent water supply.



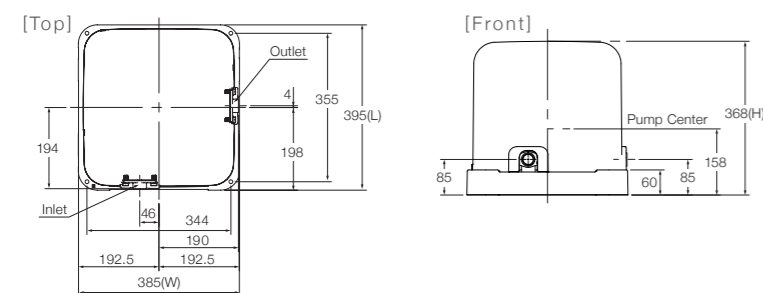
### Bladder Tank

Ensures stable water pressure and convenience without refilling the gas or rust.

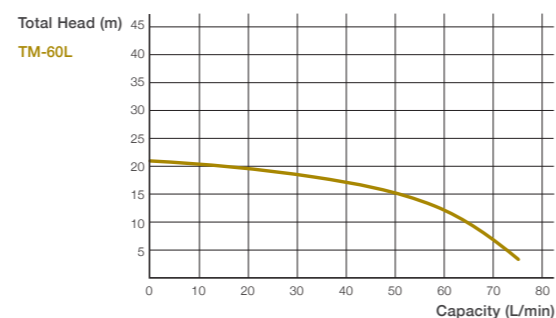


### TM-60L 150W

#### Dimensions (mm)



#### Performance Chart



# Stainless Steel Tank Type for Shallow Wells



W-P200NH/W-P150NH

- Big Capacity & Powerful Pumping

- Anticorrosion Pump Head

- RoHS Compliant

- Double Thermal Protector

## Reliable Safety

### Thermal Relay

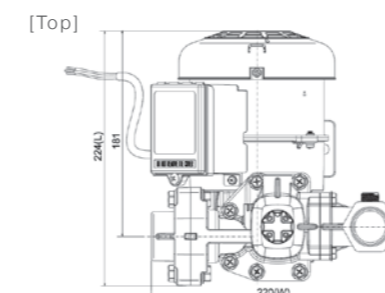
Automatically disengages the motor when the temperature rises and re-engage the motor when it is safe.

### Water Temp Relay

For preventing from deformation of parts due to overheating.

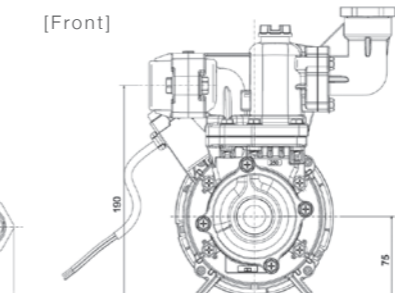
### WT-P150NH 150W

#### Dimensions (mm)

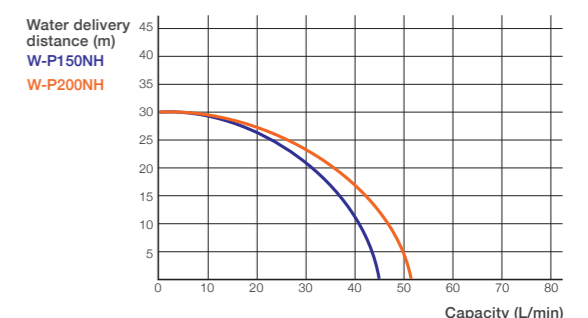


### WT-P200NH 200W

#### Dimensions (mm)



#### Performance Chart

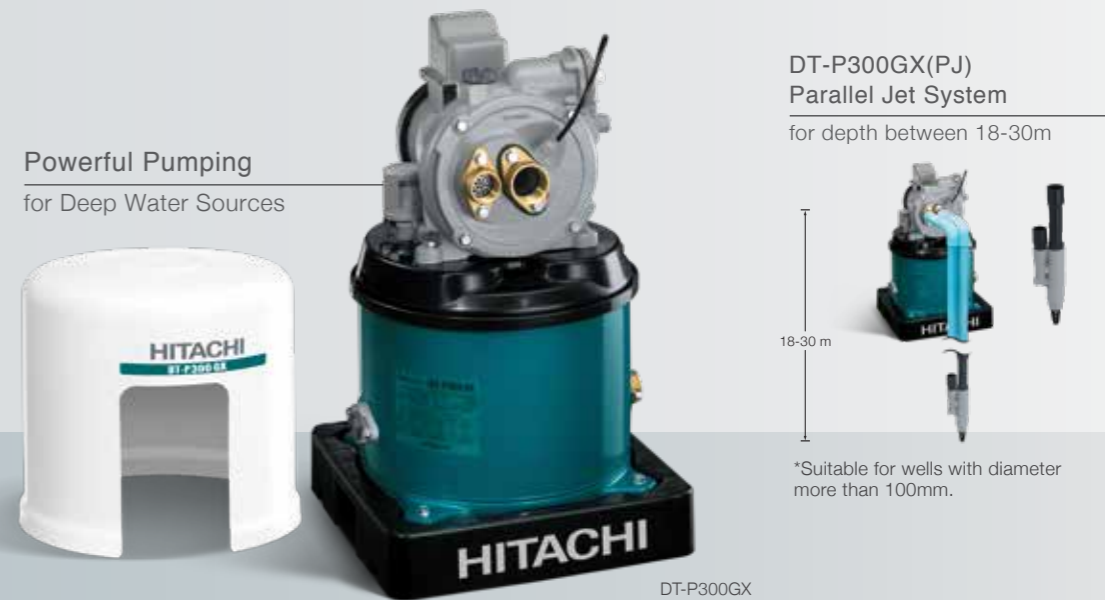


# Tank Type for Shallow Wells



**Automatic Operation for More Convenience  
when Pumping Shallow Wells**

# Tank Type for Deep Wells



**Automatic Operation for More Convenience  
when Pumping Deep Wells**

## Stable Water Pressure

### Automatic Air Intake

This works in unison with water tap operation to ensure stable pressure. It's rust-resistant and can be removed for cleaning.

### Durable Water Pressure Tank

The welded tank provides more resistance to pressure and water leakage. Also, the tank is made of especially thick steel and coated with triple layers of anti-rust agents, and is a metallic color for extra sun resistance.

## Installation Flexibility

### Three Choices of Water Outlets

There are three choices of water outlets on the pressure tank to give you more flexibility when connecting to the water pipe.

## Reliable Safety

### Water Temp Relay

It temporarily pauses operation when it becomes too hot to prevent deformation of parts.



## Powerful Pumping for Deep and Narrow Wells

### Automatic Switch

An automatic switch engages and disengages the pump in unison with water tap operation.

### Suitable for Narrow Wells up to 30m Deep and 50mm in Diameter

As well as being ideal for wells as deep as 30m, the durable jet system is designed to suit narrow wells. Parallel Jet System for 18-30m and Single Jet System for 12-18m deep wells.

## Durability

### Special Thick Steel Tank

The tank is made of thick steel and coated with triple layers of anti-rust agents for durability, and is a metallic color for extra sun resistance.

### Rust-Resistant & Highly Durable Parts

Both the fan and valves are made of high-quality resin for durability and rust-resistance.

## Reliable Safety

### The Built-in Thermal Relay

A thermal relay inside the motor prevents deformation of parts due to overheating.



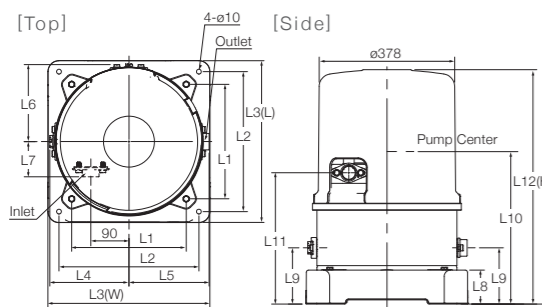
WT-P400XS 400W  
WT-P350XS 350W

WT-P300XS 300W  
WT-P250XS 250W

WT-P200XS 200W  
WT-P150XS 150W

WT-P100XS 100W

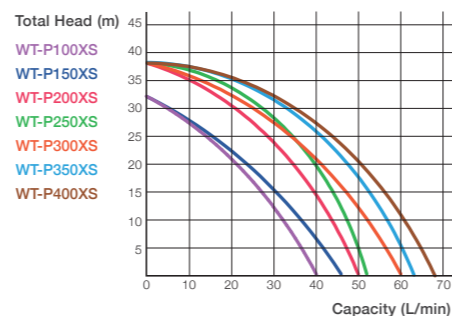
Dimensions (mm)



Size of Water Pumps (mm)

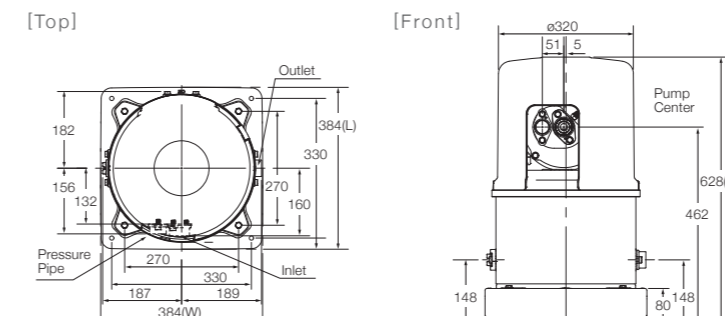
MODEL	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12
WT-P100XS	270	330	384	187	189	182	83	80	132	359	310	553
WT-P150XS	270	330	384	187	189	182	83	80	132	359	310	553
WT-P200XS	270	330	384	187	189	182	108	80	148	434	385	629
WT-P250XS	270	330	384	187	189	182	108	80	148	434	385	629
WT-P300XS	270	330	384	187	189	182	108	80	148	434	385	629
WT-P350XS	310	382	450	216	225	211	142	65	142	425	387	701
WT-P400XS	310	382	450	216	225	211	142	65	142	425	387	701

Performance Chart

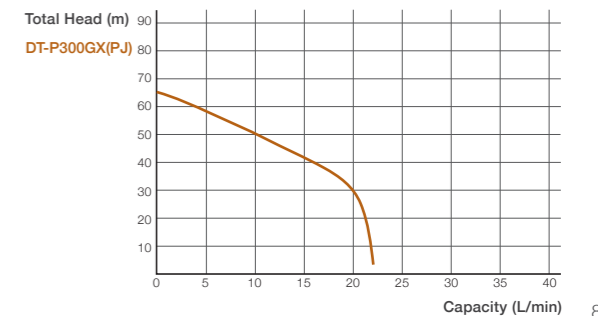


DT-P300GX(PJ) 300W

Dimensions (mm)



Performance Chart



# Installation Cautions

## 1 Total Suction Head

Suction Head + (Suction Pipe Length × 0.1\*)  
 Calculation for the figure on the right: 1m + (3m × 0.1) = 1.3m

## 2 Total Discharge Head

Discharge Head + (Discharge Pipe Length × 0.1\*)  
 Calculation for the figure on the right: 3m + (15m × 0.1) = 4.5m  
 \*1 Pipe Resistance

## 3 Total Head

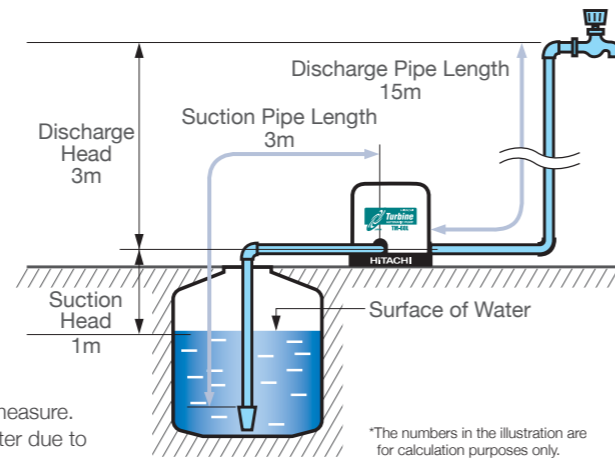
Total Suction Head + Total Discharge Head  
 Calculation for the figure on the right: 1.3m + 4.5m = 5.8m

## 4 Capacity

Take the number of taps being used simultaneously × 8L as a rough measure.  
 (Refer to the performance chart to verify changes in the amount of water due to differences in Total Head.)

## 5 Elevation Difference



If water is pumped from a location higher than the pump, please make sure the distance from the top of the tank to the pump's inlet is 2m\*<sup>2</sup> or less.  
 ※The maximum elevation difference when the tank is higher than the pump.  
 \*2 4m or less for the TM-60L.




\*The numbers in the illustration are for calculation purposes only.

## SPECIFICATIONS


### Shallow Well

Series	Compact Type 					Turbine Type 
	WM-P350XS	WM-P300XS	WM-P250XS	WM-P200XS	WM-P150XS	TM-60L
Motor Watt (W)	350	300	250	200	150	150
Total Suction Head* (m)	8	8	8	8	8	3
Total Discharge Head (m)	18	18	18	14	13	12
Capacity (L/min)	53 (Max.65)	51 (Max.61)	47 (Max.59)	43 (Max.55)	37 (Max.50)	60 (Max.75)
Pressure Switch (kg/cm <sup>2</sup> )	On	2.0	2.0	2.0	1.6	1.4
	Off	2.6	2.6	2.6	2.2	1.8
Suction Pipe (mm)	25 (1")	25 (1")	25 (1")	25 (1")	25 (1")	20 (3/4")
Noise Level (dB)	49	48	49	48	49	49
Discharge Pipe (mm)	25 (1")	25 (1")	25 (1")	25 (1")	25 (1")	20 (3/4")
Taps Used Simultaneously** (Average)	6-7	6	5-6	5	4-5	7
Elevation Difference (m)	2	2	2	2	2	4
Dimensions (W×L×H, mm)	354×312×320	354×312×320	354×312×320	354×312×320	354×312×320	385×395×368
Weight (Net/Gross, kg)	14/15	13/14	13/14	13/14	13/14	14/15

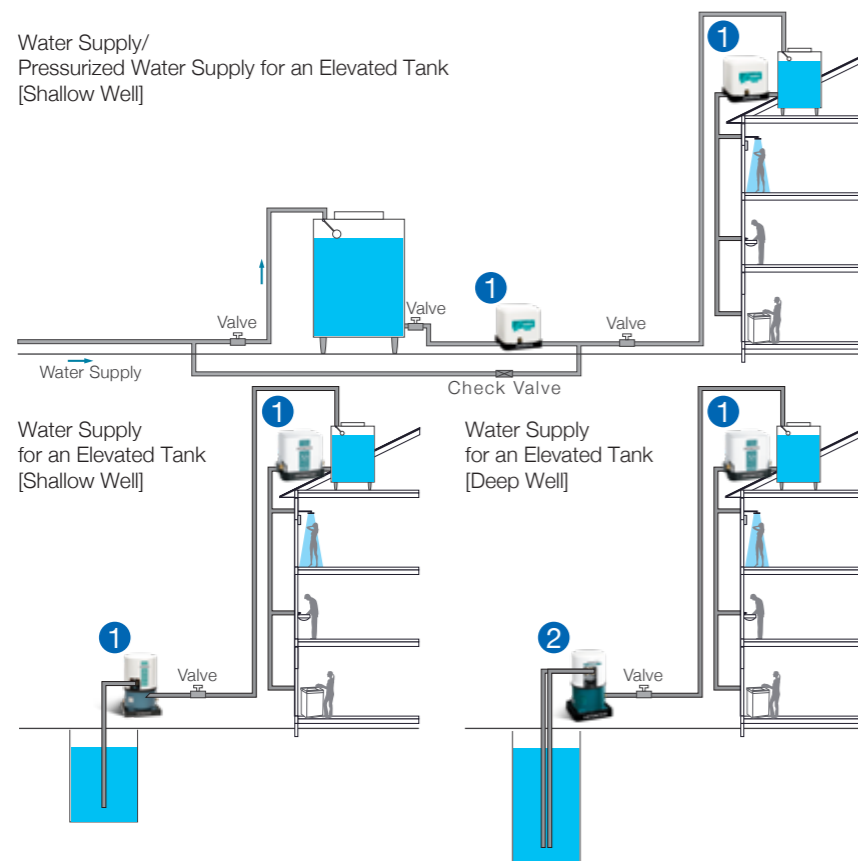
### Shallow Well

Series	Tank Type 					
	WT-P300XS	WT-P250XS	WT-P200XS	WT-P150XS	WT-P100XS	
Motor Watt (W)	300	250	200	150	100	
Total Suction Head* (m)	8	8	8	8	8	
Total Discharge Head (m)	20	20	20	14	14	
Capacity (L/min)	50 (Max.60)	46 (Max.52)	42 (Max.50)	34 (Max.46)	30 (Max.40)	
Pressure Switch (kg/cm <sup>2</sup> )	On	2.2	2.2	2.2	1.6	1.6
	Off	2.8	2.8	2.8	2.2	2.2
Suction Pipe (mm)	25 (1")	25 (1")	25 (1")	25 (1")	20 (3/4")	
Noise Level (dB)	52	52	52	50	51	
Discharge Pipe (mm)	25 (1")	25 (1")	25 (1")	25 (1")	20 (3/4")	
Taps Used Simultaneously** (Average)	6	5-6	5	4	3-4	
Elevation Difference (m)	2	2	2	2	2	
Dimensions (W×L×H, mm)	384×384×629	384×384×629	384×384×629	384×384×553	384×384×553	
Weight (Net/Gross, kg)	19/21	19/21	19/21	15/17	15/17	

### Deep Well

Series	Tank Type 		
	DT-P300GX (PJ)		
Motor Watt (W)	300		
Total Suction Head* (m)	18	24	30
Total Discharge Head (m)	12		
Capacity (L/min)	20	16	9
Pressure Switch (kg/cm <sup>2</sup> )	On		
	1.4		
Suction Pipe (mm)	Off		
	1.8		
Suction Pipe (mm)	35 (1 1/4")		
Noise Level (dB)	-		
Discharge Pipe (mm)	25 (1")		
Taps Used Simultaneously** (Average)	For deep well suction storage used		
Elevation Difference (m)	-		
Dimensions (W×L×H, mm)	384×384×628		
Weight (Net/Gross, kg)	31/36		

# Hitachi Water Pump Installation Diagram




## Suitable Pump for 1

- Turbine Type (The New Urban Pump) [Page 5](#)
- Compact Type (Constant Pressure) [Page 3-4](#)
- Tank Type (For Shallow Well) [Page 7](#)

## Suitable Pump for 2

- Tank Type (For Deep Well) [Page 8](#)

\*Water source for the pump is a receiving tank (tap water), ground water, etc.

Series	Non-Automatic 	
	W-P200NH	W-P150NH
Motor Watt (W)	200	150
Total Suction Head* (m)	9	9
Minimum Total Head *min (m)	30	30
Capacity Max. (L/min)	52	45
Suction Pipe (mm)	25 (1")	25 (1")
Discharge Pipe (mm)	25 (1")	25 (1")
Dimensions (W×L×H, mm)	220×224×259	220×224×259
Weight (Net/Gross, kg)	5.0/6.0	5.0/6.0

\*Measured at 12m.

\*\*Based on the same usage conditions and time. Normal water flow is 8L per minute per tap and this depends on usage condition.