

SPECIFICATIONS

Shallow Well

Series	Inverter Type		Turbine Type	Compact Type					
	WM-P750GX	WM-P400GX		TM-60L	WM-P350GX	WM-P300GX2	WM-P250GX2	WM-P200GX2	WM-P150GX2
Model	WM-P750GX	WM-P400GX	TM-60L	WM-P350GX	WM-P300GX2	WM-P250GX2	WM-P200GX2	WM-P150GX2	
Motor Watt (W)	750	400	150	350	300	250	200	150	
Total Suction Head* (m)	7	8	3	7	8	8	8	8	
Total Discharge Head (m)	20	20	12	18	18	18	14	12	
Capacity (L/min)	70 (Max.78)	58 (Max.62)	60 (Max.75)	51 (Max.58)	48 (Max.56)	44 (Max.52)	40 (Max.47)	32 (Max.41)	
Pressure Switch (kg/cm ²)	On	Inverter	Inverter	1.3	2.0	2.0	2.0	1.6	1.4
	Off			1.7	2.6	2.6	2.6	2.2	1.8
Suction Pipe (mm)	35 (1 1/4")	35 (1 1/4")	20 (3/4")	25 (1")	25 (1")	25 (1")	25 (1")	25 (1")	
Discharge Pipe (mm)	25 (1")	25 (1")	20 (3/4")	25 (1")	25 (1")	25 (1")	25 (1")	25 (1")	
Taps Used Simultaneously (Average)	9	7	7	6	5-6	5	4-5	3-4	
Elevation Difference (m)	2	2	4	2	2	2	2	2	
Dimensions (W×H×L, mm)	437×350×407	437×350×407	385×395×368	354×312×323	354×312×323	354×312×323	354×312×323	354×312×323	
Weight (Net/Gross, kg)	19/22	19/22	14/15	13/14	12/13	12/13	11/12	10/11	

Shallow Well

Series	Stainless Steel Tank Type		Tank Type						
	WT-PS300GX	WT-PS250GX	WT-P400GX	WT-P350GX	WT-P300GX2	WT-P250GX2	WT-P200GX2	WT-P150GX2	WT-P100GX2
Model	WT-PS300GX	WT-PS250GX	WT-P400GX	WT-P350GX	WT-P300GX2	WT-P250GX2	WT-P200GX2	WT-P150GX2	WT-P100GX2
Motor Watt (W)	300	250	400	350	300	250	200	150	100
Total Suction Head* (m)	7	7	8	8	7	7	8	8	7
Total Discharge Head (m)	20	20	20	20	20	20	18	12	12
Capacity (L/min)	47 (Max.57)	43 (Max.49)	56 (Max.64)	51 (Max.59)	47 (Max.57)	43 (Max.49)	39 (Max.47)	31 (Max.38)	25 (Max.33)
Pressure Switch (kg/cm ²)	On	2.2	2.2	2.2	2.2	2.2	2.0	1.4	1.4
	Off	2.8	2.8	2.8	2.8	2.8	2.8	2.6	1.8
Suction Pipe (mm)	25 (1")	25 (1")	35 (1 1/4")	35 (1 1/4")	25 (1")	25 (1")	25 (1")	25 (1")	20 (3/4")
Discharge Pipe (mm)	25 (1")	25 (1")	35 (1 1/4")	35 (1 1/4")	25 (1")	25 (1")	25 (1")	25 (1")	20 (3/4")
Taps Used Simultaneously (Average)	6	5-6	7	6-7	6	5-6	5	4	3
Elevation Difference (m)	2	2	2	2	2	2	2	2	2
Dimensions (W×H×L, mm)	384×384×562	384×384×562	450×450×701	450×450×701	384×384×627	384×384×627	384×384×627	384×384×542	384×384×542
Weight (Net/Gross, kg)	17/19	17/19	32/34	32/34	18/20	18/20	18/20	14/16	13/15

Deep Well

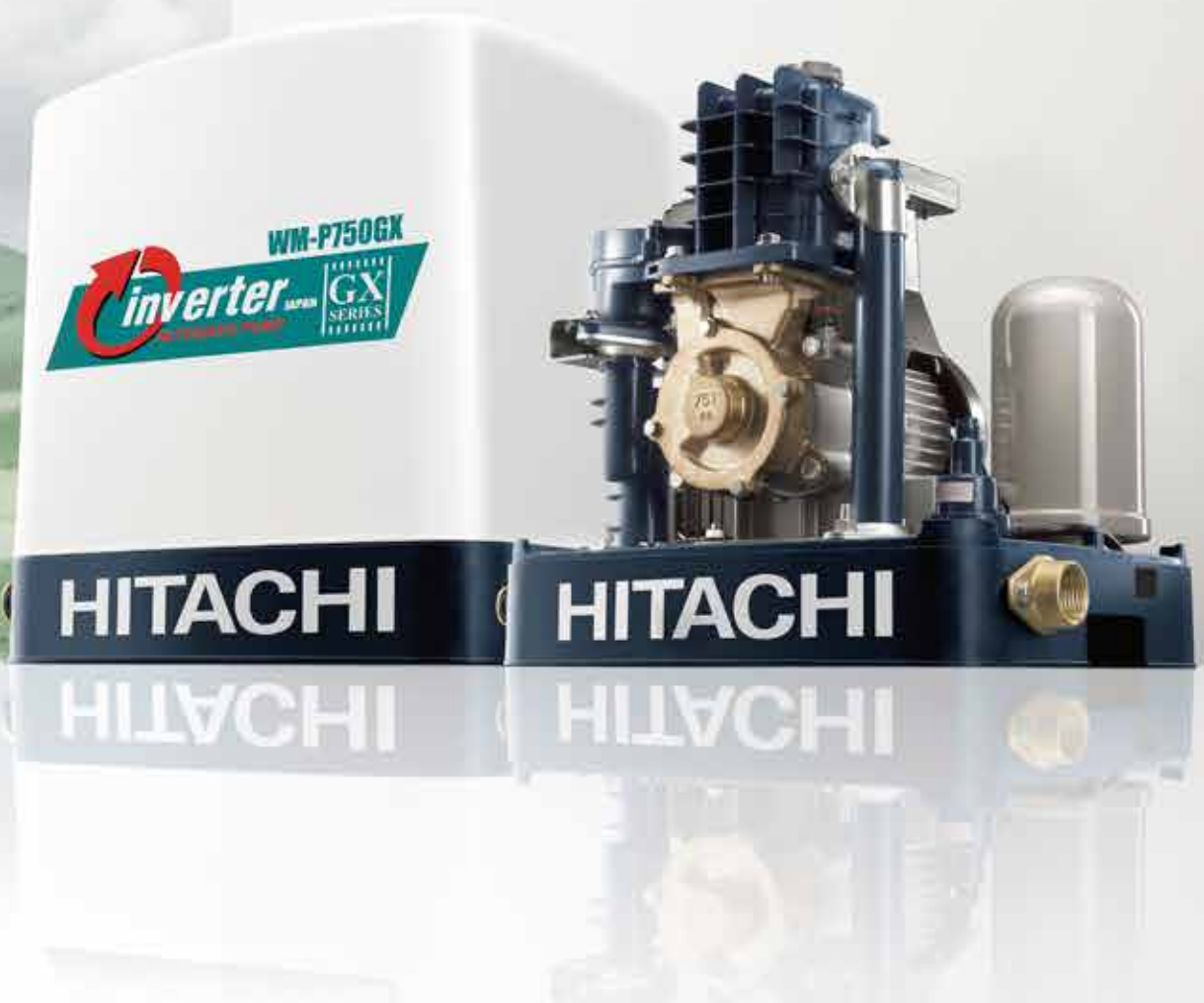
Series	Tank Type				
	DT-P300GX (PJ)		DT-P300GX (SJ)		
Model	DT-P300GX (PJ)		DT-P300GX (SJ)		
Motor Watt (W)	300		300		
Total Suction Head* (m)	18	24	30	12	18
Total Discharge Head (m)	12		12		
Capacity (L/min)	20	16	9	20.5	11
Pressure Switch (kg/cm ²)	On	1.4		1.4	
	Off	1.8		1.8	
Suction Pipe (mm)	35 (1 1/4")		35 (1 1/4")		
Discharge Pipe (mm)	25 (1")		25 (1")		
Taps Used Simultaneously (Average)	For deep well suction storage used		For deep well suction storage used		
Elevation Difference (m)	—		—		
Dimensions (W×H×L, mm)	384×384×628		384×384×628		
Weight (Net/Gross, kg)	31/36		35/40		

*Measured at 12m.

Water Pump

HITACHI

Inspire the Next



Automatic, Reliable & Long-Lasting Safety

Eco-technologies ensure energy-saving and eliminate harmful materials while new high-performance features enhance everyday life!

Hitachi Automatic Water

Powerful Water Technology for the Future

Hitachi automatic water pumps are made of superior quality materials and offer a range of advanced designed body structure. The pumps ensure high water pressure and guarantee satisfaction with sup

Hitachi's Durable, Strong, High-Power Motor

Hitachi motors are designed for long service life and powerful pumping. Boasting a history of 96 years, they are manufactured under the strict quality controls.



Environment-Friendly Design

Hitachi water pumps boast globally acclaimed quality as well as functions that protect the environment. Every unit is certified with the stringent RoHS standard, as well as ISO 9001 for factory quality management, and ISO 14001 for environmental management.

Japanese Standard Quality

Hitachi has over 96 years of water pump manufacturing experience. These exceptional pumps are designed to deliver high performance and reliability.

6 Types to Choose From

Page 3-4



Inverter Type

for Shallow Wells

Providing a constant flow of water, these pumps are powerful, quiet and energy-efficient.

Page 5



Turbine Type (The New Urban Pump)

for Shallow Wells

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

Page 6



Compact Type (Constant Pressure)

for Shallow Wells

Providing constant water pressure.

Page 7



Stainless Steel Tank Type

(Made in Japan)

for Shallow Wells

Durable, safe and rust-resistant stainless steel tank.

Page 8



Tank Type

for Shallow Wells

Automatic operation for greater convenience.

Page 9



Tank Type

for Deep Wells

Ideal for deep well suction.

Pumps

features and technologies. Safety is enhanced with the cover that fits perfectly with the newly erior pumping power, durability, quiet operation and environmental friendliness.

Reliable, Long-Lasting Safety

*Specifications may differ depending on the model.

Hitachi pumps feature advanced technology and corrosion-resistant materials (copper alloy, stainless steel, plastic, etc.) for parts that come into contact with water to keep them rust-free for durability and long service life.



WM-P750GX

Reliable, Advanced Motor

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



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.



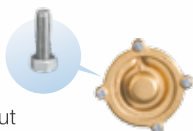
Ventilation Fan

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



Rust-Resistant Bolts

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



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.



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.

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.



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 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.



Inverter Type for Shallow Wells

Advanced Inverter Technology for Powerful, Qui

The motor operates at the same rate as actual water flow, for constant water pressure even when multiple



Inverter Technology

INVERTER



Intelligent Inverter Control

Inverter control ensures that the motor operates at a rate which reflects actual water flow for the highest performance and energy efficiency.



Customizable Configuration

Users can customize operation (e.g. Low mode, High mode) and diagnose any malfunctions via the control panel.

Stable Water Pressure at Every Outlet

The inverter system varies motor speed to keep the water pressure of each tap stable.

Outstanding Energy Efficiency **eco**

Motor rate is adjusted to match the amount of water used, which effectively minimizes unnecessary energy loss.

Quiet, Non-Disturbing Operation

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

Why Hitachi's Inverter?

Currently used in high-speed railway systems and the latest hybrid cars, Hitachi's inverter technology has always contributed to the development of society and provided a comfortable living environment.

By automatically controlling the motor, this inverter technology enables optimum operation with little wasted energy, so it's also expected to play a vital role in reducing environmental impact.



et, Energy-Efficient Operation

water outlets are turned on at the same time. This ensures high performance and energy saving.

Great Water Pressure, Reliable, Long-Lasting Safety



Efficient Heat Ventilation

The vent fan is designed to effectively circulate the heat out through the vent duct, contributing to smooth operation.



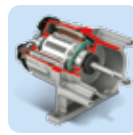
Pressure Sensor

The sensor monitors pressure and water usage then advises the inverter system to operate the motor accordingly.



Bladder Tank

The bladder tank 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.



DC Brushless Motor

The DC brushless motor creates powerful suction to produce powerful water pressure. And it is completely sealed inside an aluminum casing for improved heat ventilation and noise-free operation.



Thermistor

This sensitive thermal sensor is located inside the casing. If it detects that the temperature is getting too high, operation is paused. When the temperature falls, operation automatically resumes.

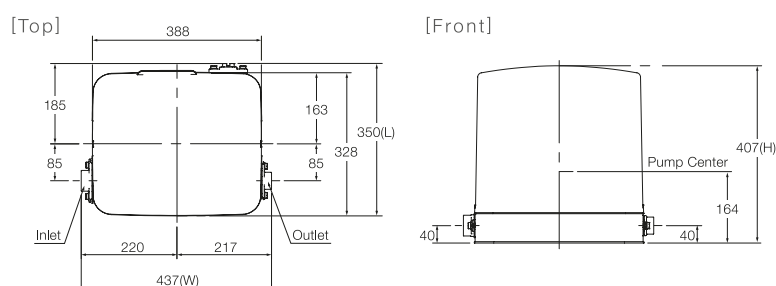
Compact Size for Easy Installation

Compact Design

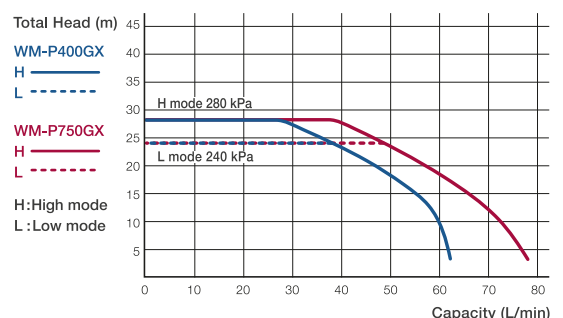
Thanks to inverter technology and a more accurate pressure sensor, the size of the pump has been made smaller by eliminating unnecessary components.

WM-P750GX 750W / WM-P400GX 400W

Dimensions (mm)



Performance Chart



Turbine Type (The New Urban Pump) for Shallow Wells

Automatic Turbine Pump for Quiet and Big Capacity Operation

The pump is ideal for homes in urban areas where noise is a concern, and for homes with multiple water outlets that require a large volume of water at once.



TM-60L

Automatic Turbine Quiet 49dB Operation

Using centrifugal force, the pump provides big capacity and quiet output. Unpleasant high-range frequencies have been reduced. Thanks to this quiet operation, it's unlikely to cause annoyance even in urban areas where houses are close together.

*Compared to the 59dB of a conventional unit (WM-P150GX2) with the same output.
High-range frequency noise reduced by approx. 50%.

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, the water pump's design is compact. Its small size makes installation more convenient and less space consuming.

Constant Water Pressure

Life-Extending Pressure-Stabilized Unit

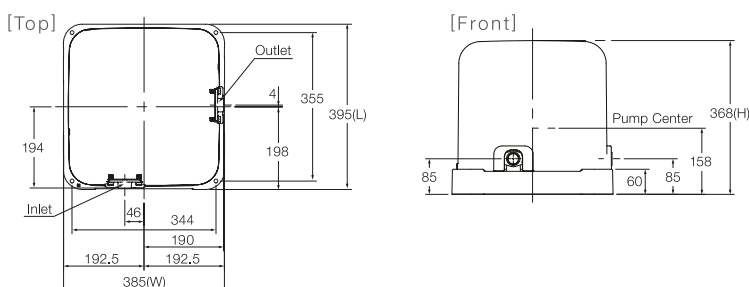
This unit controls the flow of water to maximize pressure switch life and the pump's service life, ensuring continuously stable water pressure. The result is that you will no longer be troubled by irregular or intermittent water supply.

Bladder Tank

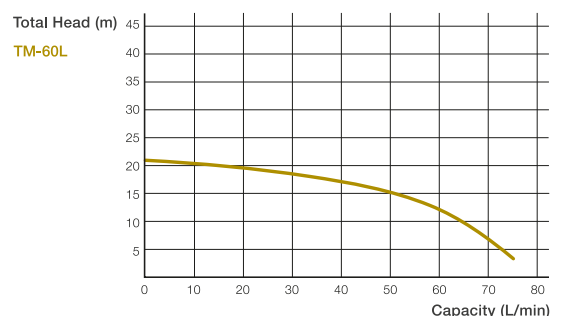
The bladder tank is lined with a diaphragm of rubber sheets and filled with nitrogen. These advanced Hitachi technologies ensure stable water pressure and convenience since there is no need to refill the gas or worry about rust throughout the tank's service life.

TM-60L 150W

Dimensions (mm)



Performance Chart



Compact Type (Constant Pressure) for Shallow Wells

No More Pressure Worries with this Compact, High-Performance Pump



WM-P300GX2



Pressure-Stabilized Unit

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

The bladder tank 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.

Compact Size for Easy Installation

Compact Design

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

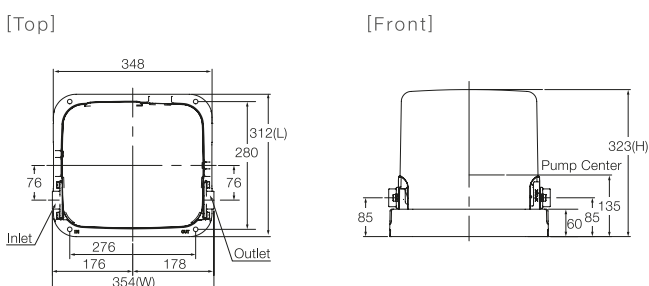
Reliable Safety

Water Temp Relay

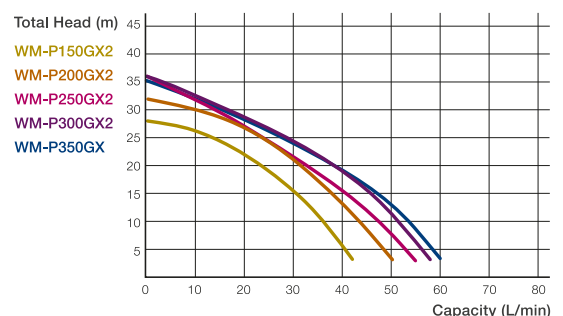
The water temp relay temporarily pauses operation when it becomes too hot. This prevents deformation of parts due to overheating.

WM-P350GX 350W / WM-P300GX2 300W / WM-P250GX2 250W / WM-P200GX2 200W
WM-P150GX2 150W

Dimensions (mm)



Performance Chart



Stainless Steel Tank Type for Shallow Wells

Durable, Safe and Rust-Resistant Stainless Steel Pressure Tank

Stainless Steel Pressure Tank



WT-PS250GX

Extra Durability

Made in Japan Thick Stainless Steel Pressure Tank

The pressure tank is made of thick stainless steel that's seamless without welding, clean, safe and rust-resistant.

Safe & Rust Resistant Materials

The pump casing is made of corrosion- and rust-resistant bronze.

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

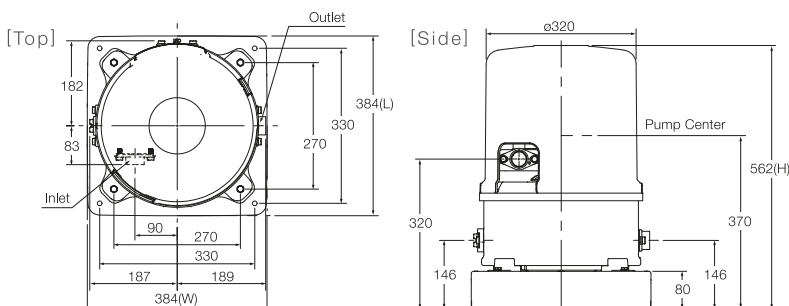
The water temp relay temporarily pauses operation when it becomes too hot. This prevents deformation of parts due to overheating.

Heat Ventilation Fan

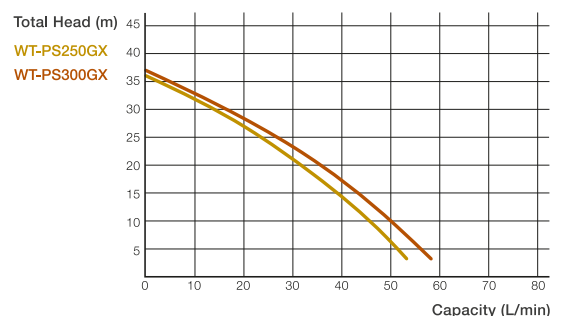
It prevents the motor from overheating.

WT-PS300GX 300W / WT-PS250GX 250W

Dimensions (mm)



Performance Chart



Tank Type for Shallow Wells

Automatic Operation for More Convenience When Pumping Shallow Wells



WT-P300GX2
WT-P250GX2
WT-P200GX2

WT-P150GX2
WT-P100GX2



Tank Interior

The tank is made of especially thick steel and coated with triple layers of anti-rust agents.



WT-P400GX, WT-P350GX



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.

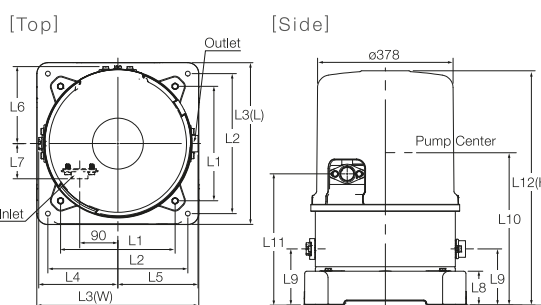
Reliable Safety

Water Temp Relay

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

WT-P400GX 400W / WT-P350GX 350W / WT-P300GX2 300W / WT-P250GX2 250W
WT-P200GX2 200W / WT-P150GX2 150W / WT-P100GX2 100W

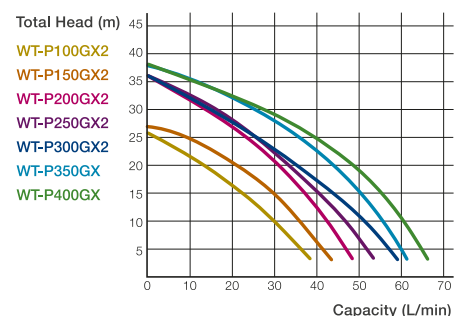
Dimensions (mm)



Size of Water Pumps (mm)

MODEL	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12
WT-P100GX2	270	330	384	187	189	182	83	80	132	360	310	542
WT-P150GX2	270	330	384	187	189	182	83	80	132	360	310	542
WT-P200GX2	270	330	384	187	189	182	108	80	148	435	385	627
WT-P250GX2	270	330	384	187	189	182	108	80	148	435	385	627
WT-P300GX2	270	330	384	187	189	182	108	80	148	435	385	627
WT-P350GX	310	382	450	216	225	211	157	65	142	442	387	701
WT-P400GX	310	382	450	216	225	211	157	65	142	442	387	701

Performance Chart



Tank Type for Deep Wells

Automatic Operation for More Convenience When Pumping Deep Wells

Powerful Pumping
for Deep Water Sources



DT-P300GX(PJ) Parallel Jet System

for depth between 18-30m



*Suitable for wells with diameter more than 100mm.

DT-P300GX(SJ) Single Jet System

for depth between 12-18m



*The intake pipe is made of special brass, which is rust-resistant and highly durable for wells with diameter 50mm.

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 especially 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-resistant.

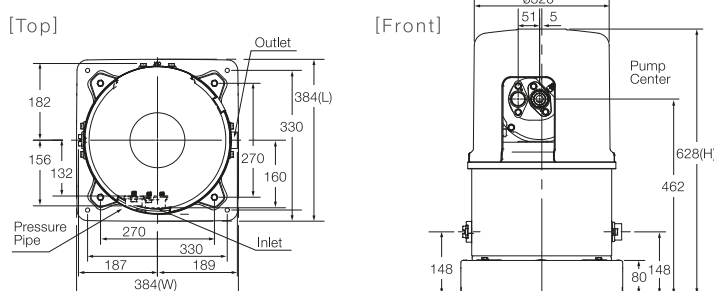
Reliable Safety

The Built-in Thermal Relay

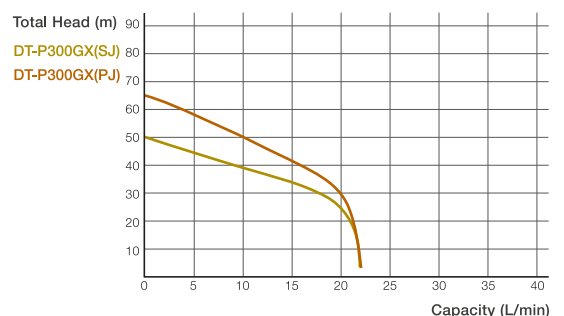
A thermal relay inside the motor prevents deformation of parts due to overheating.

DT-P300GX(PJ) 300W / DT-P300GX(SJ) 300W

Dimensions (mm)



Performance Chart



Considerations When Choosing Water Pumps

1 Total Suction Head

Suction Head + (Suction Pipe Length \times 0.1*)
 Calculation for the figure on the right: $1\text{m} + (3\text{m} \times 0.1) = 1.3\text{m}$

2 Total Discharge Head

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

3 Total Head

Total Suction Head + Total Discharge Head
 Calculation for the figure on the right: $1.3\text{m} + 4.5\text{m} = 5.8\text{m}$

4 Capacity

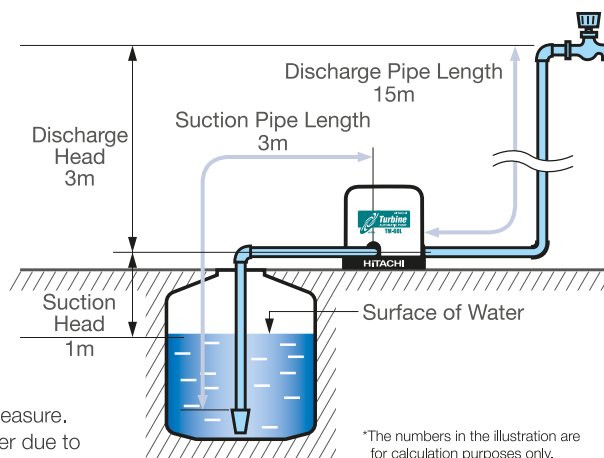
Take the number of taps being used simultaneously \times 8L as a rough measure.
 (Refer to the performance chart to verify changes in the amount of water due to differences in Total Head.)

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^{*2} or less.

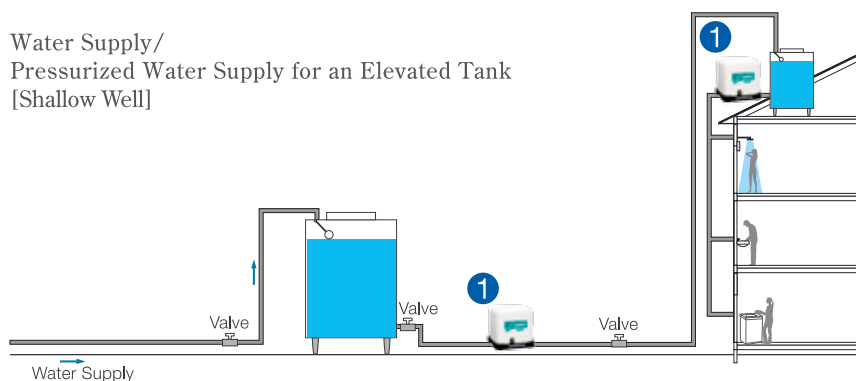
※The maximum elevation difference when the tank is higher than the pump.

*2 4m or less for the TM-60L.

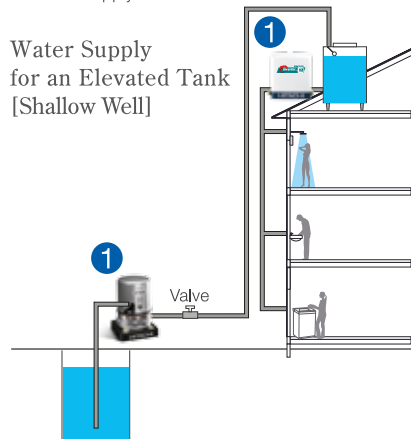


Hitachi Water Pump Installation Diagram

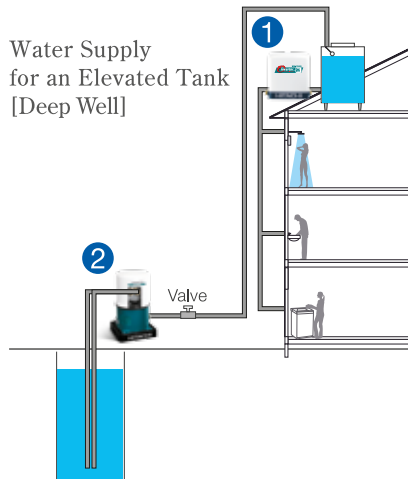
Water Supply/
 Pressurized Water Supply for an Elevated Tank
 [Shallow Well]



Water Supply
 for an Elevated Tank
 [Shallow Well]



Water Supply
 for an Elevated Tank
 [Deep Well]



Suitable Pump for 1

- Inverter Type [Page 3-4](#)
- Turbine Type (The New Urban Pump) [Page 5](#)
- Constant Type (Constant Pressure) [Page 6](#)
- Stainless Steel Tank Type (Made in Japan) [Page 7](#)
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Suitable Pump for 2

- Tank Type (For Deep Well) [Page 9](#)

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