Water Pump

HITACHI
Inspire the Next

eco CHOICE

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 Pumps

Powerful Water Technology for the Future

Hitachi automatic water pumps are made of superior quality materials and offer a range of advancd features and technologies. Safety is enhanced with the cover that fits perfectly with the newly designed body structure. The pumps ensure high water pressure and guarantee satisfaction with superior pumping power, durability, quiet operation and environmental friendliness.

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 ISO9001 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

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.

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.

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

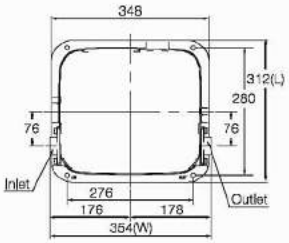
Water Temp Relay

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

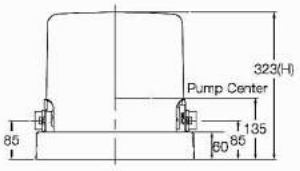
WM-P300GX2 300W / WM-P200GX2 200W / WM-P150GX2 150W

Dimensions (mm)

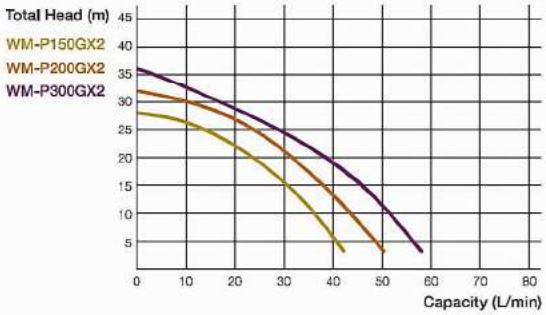
[Top]



[Front]



Performance Chart



Tank Type
for Shallow Wells

Automatic Operation for More Convenience When Pumping Shallow Wells

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.

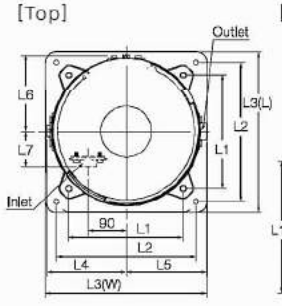
Reliable Safety

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

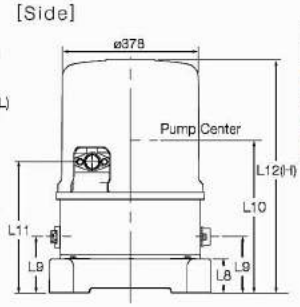
WT-P300GX2 300W / WT-P250GX2 250W / WT-P150GX2 150W

Dimensions (mm)

[Top]



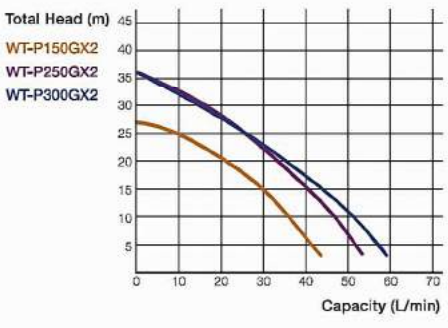
[Side]



Size of Water Pumps (mm)

MODEL	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12
WT-P150GX2	270	330	384	187	189	182	83	80	132	360	310	542
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

Performance Chart



Considerations When Choosing Water Pumps

1 Total Suction Head

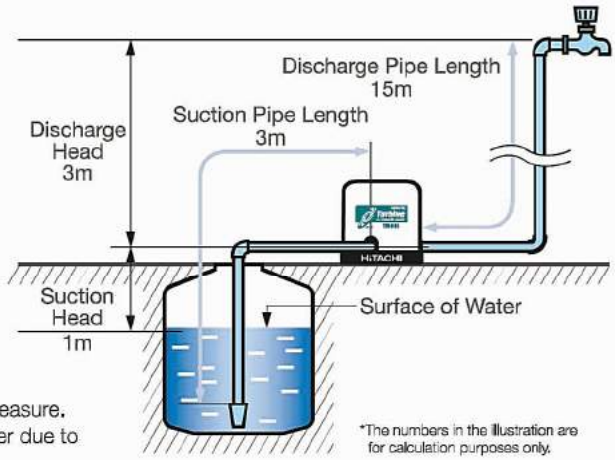
Suction Head + (Suction Pipe Length × 0.1*1)
Calculation for the figure on the right: 1m + (3m × 0.1) = 1.3m

2 Total Discharge Head

Discharge Head + (Discharge Pipe Length × 0.1*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

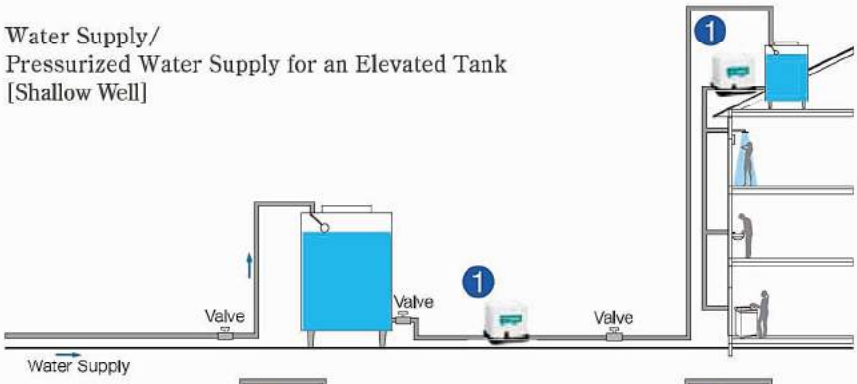
Take the number of taps being used simultaneously × 8L as a rough measure.
(Refer to the performance chart to verify changes in the amount of water due to differences in Total Head.)

5 Elevation Difference

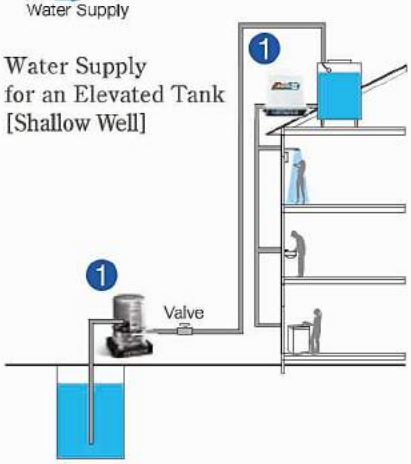
If water is pumped from a location higher than the pump, please make sure the distance from the top of the tank to the pump's inlet is 2m*2 or less.
※The maximum elevation difference when the tank is higher than the pump.
*2 4m or less for the TM-60L.

Hitachi Water Pump Installation Diagram

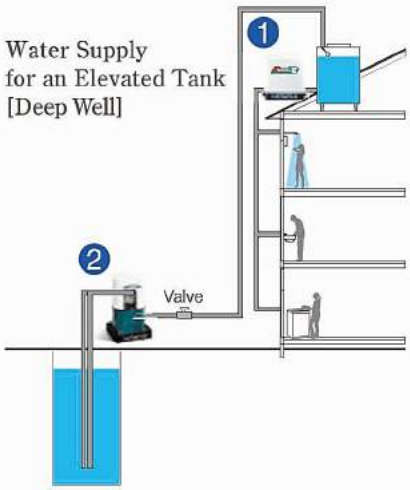
Water Supply/
Pressurized Water Supply for an Elevated Tank
[Shallow Well]



Water Supply
for an Elevated Tank
[Shallow Well]



Water Supply
for an Elevated Tank
[Deep Well]



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

Suitable Pump for 1

- Inverter Type
- Turbine Type
  (The New Urban Pump)
- Constant Type
  (Constant Pressure)
- Stainless Steel Tank Type
  (Made in Japan)
- Tank Type
  (For Shallow Well)

Suitable Pump for 2

- Tank Type
  (For Deep Well)

SPECIFICATIONS

Shallow Well

Series		Compact Type		
Model		WM-P300GX2	WM-P200GX2	WM-P150GX2
Motor Watt (W)		300	200	150
Total Suction Head* (m)		8	8	8
Total Discharge Head (m)		18	14	12
Capacity (L/min)		48 (Max. 56)	40 (Max. 47)	32 (Max. 41)
Pressure Switch (kg/cm^2)	On	2.0	1.6	1.4
	Off	2.6	2.2	1.8
Suction Pipe (mm)		25 (1")	25 (1")	25 (1")
Discharge Pipe (mm)		25 (1")	25 (1")	25 (1")
Taps Used Simultaneously (Average)		5-6	4-5	3-4
Elevation Difference (m)		2	2	2
Dimension (WxHxL, mm)		354x312x323	354x312x323	354x312x323
Weight (Net/Gross, kg)		12/13	11/12	10/11

Shallow Well

Series		Tank Type		
Model		WT-P300GX2	WT-P250GX2	WT-P150GX2
Motor Watt (W)		300	250	150
Total Suction Head* (m)		7	7	8
Total Discharge Head (m)		20	20	12
Capacity (L/min)		47 (Max. 57)	43 (Max. 49)	31 (Max. 38)
Pressure Switch (kg/cm^2)	On	2.2	2.2	1.4
	Off	2.8	2.8	1.8
Suction Pipe (mm)		25 (1")	25 (1")	25 (1")
Discharge Pipe (mm)		25 (1")	25 (1")	25 (1")
Taps Used Simultaneously (Average)		6	5-6	4
Elevation Difference (m)		2	2	2
Dimension (WxHxL, mm)		384x384x627	384x384x627	384x384x542
Weight (Net/Gross, kg)		18/20	18/20	14/16

* Measured in 12m

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