SPECIFICATIONS

Shallow Well

Series		Turbine Type	Compact Type (Constant Pressure)		
Model		TM-60L	WM-P250GX2	WM-P200GX2	WM-P150GX2
Motor Watt (W)		150	250	200	150
Total Suction Head* (m)		3	8	8	8
Total Discharge Head (m)		12	18	14	12
Capacity (L/min)		60 (Max.75)	44 (Max.52)	40 (Max.47)	32 (Max.41)
Pressure Switch (kg/cm²)	On	1.3	2.0	1.6	1.4
	Off	1.7	2.6	2.2	1.8
Suction Pipe (mm)		20 (3/4")	25 (1")	25 (1")	25 (1")
Discharge Pipe (mm)		20 (3/4")	25 (1")	25 (1")	25 (1")
Taps Used Simultaneously (Average)		7-8	5	4-5	3-4
Elevation Difference (m)		4	2	2	2
Dimensions (W×H×L, mm)		385×395×368	354×312×323	354×312×323	354×312×323
Weight (Net/Gross, kg)		14/15	12/13	11/12	10/11

Shallow Well

Series		Tank Type (Automatic)				
Model		WT-P300GX2	WT-P250GX2	WT-P200GX2	WT-P150GX2	WT-P100GX2
Motor Watt (W)		300	250	200	150	100
Total Suction Head* (m)		7	7	8	8	7
Total Discharge Head (m)		20	20	18	12	12
Capacity (L/min)		47 (Max.57)	43 (Max.49)	39 (Max.47)	31 (Max.38)	25 (Max.33)
Pressure Switch (kg/cm²)	On	2.2	2.2	2.0	1.4	1.4
	Off	2.8	2.8	2.6	1.8	1.8
Suction Pipe (mm)		25 (1")	25 (1")	25 (1")	25 (1")	20 (3/4")
Discharge Pipe (mm)		25 (1")	25 (1")	25 (1")	25 (1")	20 (3/4")
Taps Used Simultaneously (Average)		6	5-6	5	4	3
Elevation Difference (m)		2	2	2	2	2
Dimensions (W×H×L, mm)		384×384×627	384×384×627	384×384×627	384×384×542	384×384×542
Weight (Net/Gross, kg)		18/20	18/20	18/20	14/16	13/15

Deep Well

Series		Tank Type		
Model		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/cm²)	On	1.4		
	Off	1.8		
Suction Pipe (mm)		35 (1 1/4")		
Discharge Pipe (mm)		25 (1")		
Taps Used Simultaneously (Average)		For deep well suction storage used		
Elevation Difference (m)		—		
Dimensions (W×H×L, mm)		384×384×628		
Weight (Net/Gross, kg)		31/36		

*Measured at 12m.

Remarks :
* At total head 12m (Measured at 12 meters). Maximum water level at 0 metre.
** Based one the same usage conditions and time. Normal water flow is 8 metres per minute per tap and this depends on usage condition.

• Hitachi reserves the right to make any changes in product specifications without prior notice.
• Images and colours of products in this catalogue may differ from the actual products due to printing technology.

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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 advanced 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 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.

TM-60L

1 Reliable, Advanced Motor

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

2 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.

3 Rust-Resistant Bolts

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

4 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.

5 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.

6 Water Temp Relay

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

7 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.

8 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.

9 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.

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-stabilised 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-Stabilised Unit

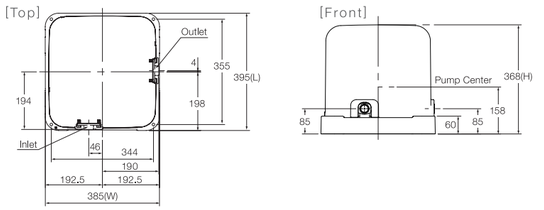
This unit controls the flow of water to maximise pressure switch life and the pump's service life, ensuring continuously stable water pressure. The result is that you will no longer be troubled by irregular or intermittent water supply.

Bladder Tank

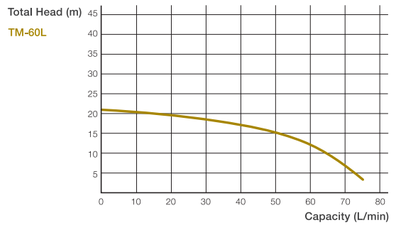
The bladder tank is lined with a diaphragm of rubber sheets and filled with nitrogen. These advanced Hitachi technologies ensure stable water pressure and convenience since there is no need to refill the gas or worry about rust throughout the tank's service life.

TM-60L 150Watt

Dimensions (mm)



Performance Chart



Compact Type (Constant Pressure)
for Shallow Wells

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

WM-P250GX2


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.

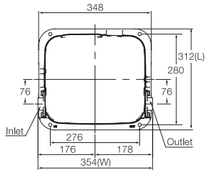
Reliable Safety

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

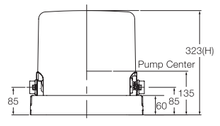
WM-P150GX2 150Watt / WM-P200GX2 200Watt
WM-P250GX2 250Watt

Dimensions (mm)

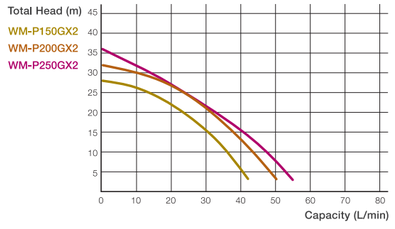
[Top]



[Front]



Performance Chart

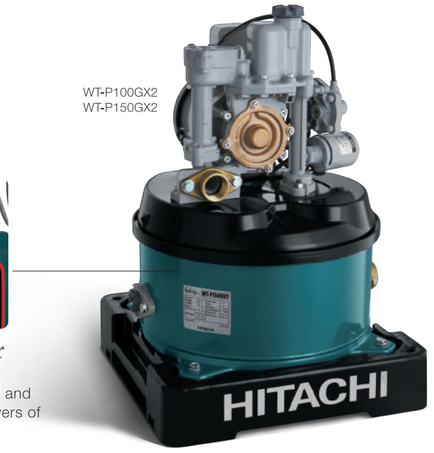


Tank Type
for Shallow Wells

Automatic Operation for More Convenience When Pumping Shallow Wells

WT-P200GX2
WT-P250GX2
WT-P300GX2


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



WT-P100GX2
WT-P150GX2

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 colour 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.

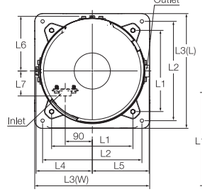
Reliable Safety

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

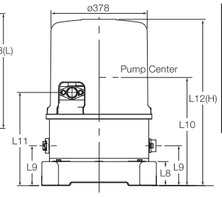
WT-P100GX2 100Watt /WT-P150GX2 150Watt / WT-P200GX2 200Watt/
WT-P250GX2 250Watt / WT-P300GX2 300Watt

Dimensions (mm)

[Top]



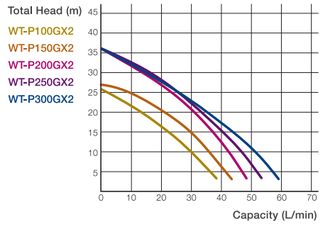
[Side]



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

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)

DT-P300GX(PJ)
Parallel Jet System
for depth between 18-30m

*Suitable for wells with diameter more than 100mm.

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 colour for extra sun resistance.

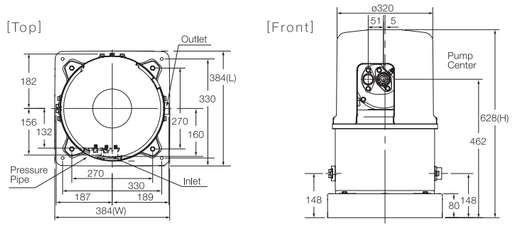
Rust-Resistant & Highly Durable Parts
Both the fan and valves are made of high-quality resin for durability and rust-resistant.

Reliable Safety

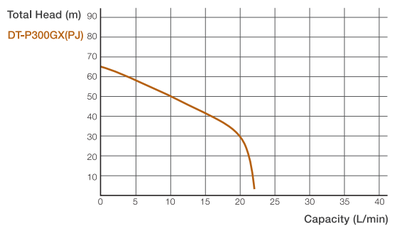
The Built-in Thermal Relay
A thermal relay inside the motor prevents deformation of parts due to overheating.

DT-P300GX(PJ) 300Watt

Dimensions (mm)



Performance Chart



Considerations When Choosing Water Pumps

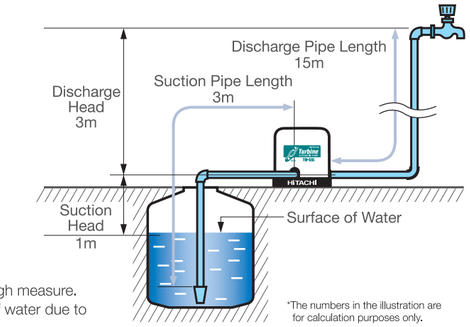
1 Total Suction Head
Suction Head + (Suction Pipe Length × 0.1*1)
Calculation for the figure on the right：1m + (3m × 0.1) =1.3m

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.)

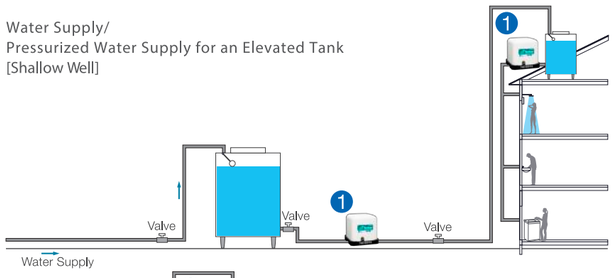
5 Elevation Difference
If water is pumped from a location higher than the pump, please make sure the distance from the top of the tank to the pump's inlet is 2m*2 or less.
※The maximum elevation difference when the tank is higher than the pump.
*2 4m or less for the TM-60L.



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

Hitachi Water Pump Installation Diagram

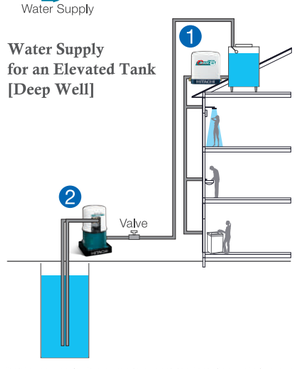
Water Supply/
Pressurized Water Supply for an Elevated Tank
[Shallow Well]



Suitable Pump for 1

- Turbine Type
  (The New Urban Pump)
- Constant Type
  (Constant Pressure)
- Tank Type
  (For Shallow Well)

Water Supply for an Elevated Tank [Deep Well]



Suitable Pump for 2

- Tank Type
  (For Deep Well)

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