Water Pumps

OUR RANGE OF **WATER PUMPS**

From small portable pumps to large trash pumps, Honda has a range designed for a variety of uses. Perfect for those who require efficient and quiet operation and that all-important Honda 4-stroke dependability.

WATER PUMP TYPES

Typically, water pumps fall into five categories:

LIGHTWEIGHT PUMPS

Compact, lightweight and portable, our WX water pumps are an excellent choice for homeowners, gardeners, boat owners and recreational users.

HIGH PRESSURE PUMPS

Our WH water pumps are perfect for applications needing high pressure, such as sprinklers or nozzles. Ideal for displacing average quality water, applications include irrigation and fire fighting, as well as pumping water over long distances.

CHEMICAL PUMPS

Our WMP 20 pump is designed to pump products such as agricultural fertiliser or industrial chemicals.

HIGH FLOW RATE PUMPS

For general water pumping needs, our popular WB water pumps offer the best features, with commercial grade components like anti-vibration mounts, silicon carbide seals, and a fixed-mount cast iron volute and impeller.

TRASH PUMPS

Trash pumps are the ultimate choice for contractors and rental applications. The WT series can handle solids up to 24mm in diameter and are capable of moving a lot of water – up to 1640 litres per minute (WT 40). A quick clean-out port and easy maintenance features help to ensure long service life.

WATER PUMP **USAGE**

The wide range of Honda water pumps means there is a pump for all manner of applications. Use the chart on page 24 to select the right pump for your specific needs.

PERFORMANCE MEASUREMENT

All figures quoted are the guaranteed minimum performance that pump will produce.

ELEVATION **HEIGHT**

The relevance of elevation height depends on the application itself. Elevation height is calculated by:

SUCTION HEAD Ⓑ

The height between the source water level and the water pump.

+

DISCHARGE HEAD Ⓒ

The height between the water pump and the highest point of the output pipe.

+

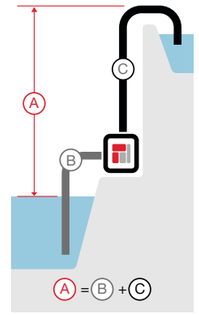
HEAD LOSS

The resistance of the pipes. Longer, narrower and twisted pipes create more loss.

=

TOTAL HEAD Ⓐ

The total vertical height the pump can lift and discharge.



FLOW **RATE**

The flow rate is the maximum amount of water that can be pumped to a given height. A pump's flow rate can be calculated by using a pump performance curve, as shown in the WB 20 example below. If you know the maximum elevation you will be pumping to, you can plot the value on the curve and determine if the pump has a sufficient flow rate for your requirements.

PUMP PERFORMANCE CURVE