



## Hydropress Pumps



Hydropress pumps are Ebara self-priming pumps fitted with a pressure switch and expansion vessel. They can draw water from a storage tank or well up to 8 metres deep when fitted with the optional foot valve.

When a valve or tap is opened, water stored under pressure in the expansion vessel is forced out until the pressure in the system drops to an adjustable cut in pressure. The pressure switch then starts the pump to meet the demand for water. When the demand ceases, the pump continues to run, re-charging the expansion tank until the adjustable cut-out pressure is reached. The capacity of the expansion tank determines the amount of water that can be drawn before the pump has to start. Therefore the bigger the tank, the less times the pump will stop & start.

### Technical Characteristics:

- Maximum working pressure: 6 bar
- Maximum temperature of the liquid: 60°C
- Maximum suction depth: 8 m
- G1 suction connection for JESX, G1¼ for JEX
- G1 discharge connection
- High efficiency IE2 motors starting from 0,75kW
- Self-ventilated 2 poles asynchronous motor
- Class of insulation F
- Protection degree IP54 (on request IP55)
- 230V  $\pm 10\%$ , 50Hz single phase voltage, 230/400V  $\pm 10\%$ , 50Hz three phase voltage
- Permanent capacitor inserted and thermo-amperometric protection with automatic rearm incorporated for the single phase motor
- Protection under user's responsibility for the three phase version

### Advantages:

- Low cost
- Adjustable start/stop pressure
- Practical
- Easy to transport
- Light



**Materials:**

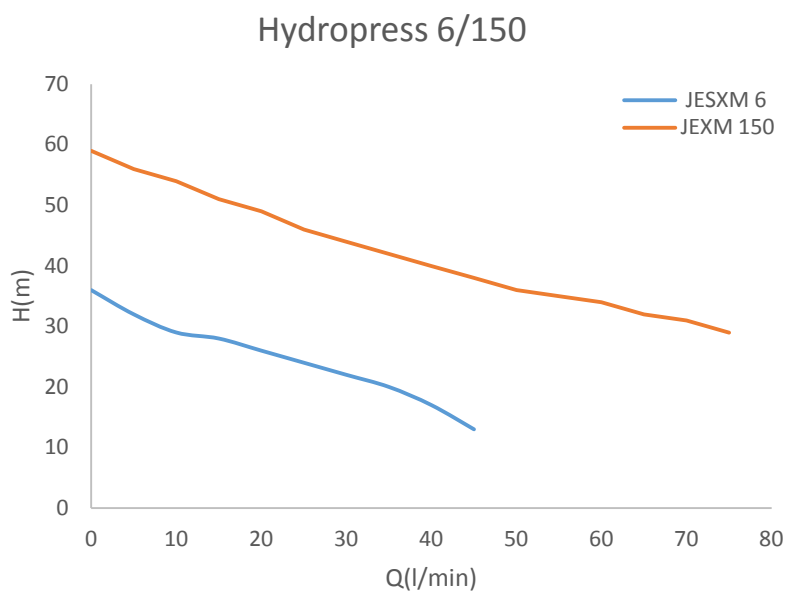
- Pump body: AISI 304 Stainless Steel
- Impeller: Technopolymer
- Shaft seal: Carbon/Ceramic/NBR
- Tank: Mild steel/ NBR membrane

**Applications:**

- Flat/ maisonette
- Garden irrigation
- Site cabins
- Portable toilets

**Specifications:**

- Maximum liquid temperature: 60°C
- Maximum suction lift: 8 m



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