

OPERATING LIMITS

Flow rates up to:	10 m ³ /h
Head up to:	80 mCE
Max. discharge pressure:	10 bar
Max. water temperature:	+ 50°C
Max ambient temperature:	+ 40°C

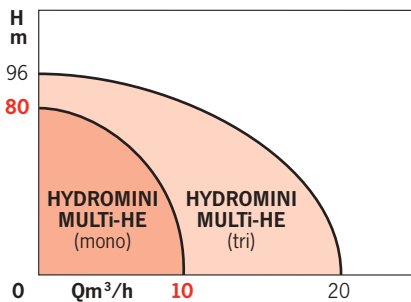
HYDROMINI MULTi-HE (1-phase)

BOOSTERS

Domestic and small-scale collective uses with integrated EVS*

50/60 Hz

* Electronic Speed Variation



APPLICATIONS

Pressure boosting in a distribution network where there is too low or none pressure, in a domestic or small-scale collective context:

- Water supply and distribution from a town network or a storage tank.
 - Irrigation
 - Sprinkling.
- For houses, small building, ...

ADVANTAGES

- Boosters entirely assembled, wired and preset, ready to use.
- Easy installation: an electrical connection and two hydraulic connections.
Unions assembled allowing discharge port rotation.
- Automatic operation, discharge pressure regulation.
- Tank with interchangeable bladder in Butyl.
- Energy saving and sound levels reduction by adapting pump speed to requirements.
- Flexible use, reduction of hammering and knocking.



• MULTI-HE-205-M-V8

HYDROMINI MULTi-HE (1-phase)

DESIGN

Pre-assembled automatic boosters, ready to be installed.

• Hydraulic part

- Centrifugal with horizontal axis, no self-priming.
- Multi-stage with 3 to 5 stages.
- Impellers mounted directly on the motor shaft extension.
- Standard mechanical seal

• Motor

- Thermal protection and automatic reset.
- Dry motor, 2 pole, equipped with E.V.S.

Rotation speed : Variable
 Winding, 1-phase : 220 to 240V ± 6%
 Frequency : 50 and 60 Hz
 Insulating category : F (155°C)
 Protection index : IP 54

IDENTIFICATION

MULTI-HE 2 05-M-V8

Pump code _____
 Nominal flow in m³/h _____
 Number of stages _____
 M = 1-phase _____
 Vessel size in litre _____

OPERATION

Mode 2 / Automatic pump boost system

Pump alone using pressure regulation. The pump is installed with its pressure sensor which can be attached either on the discharge pipe. Once the pump is installed, pressure is adjusted through touch pad.

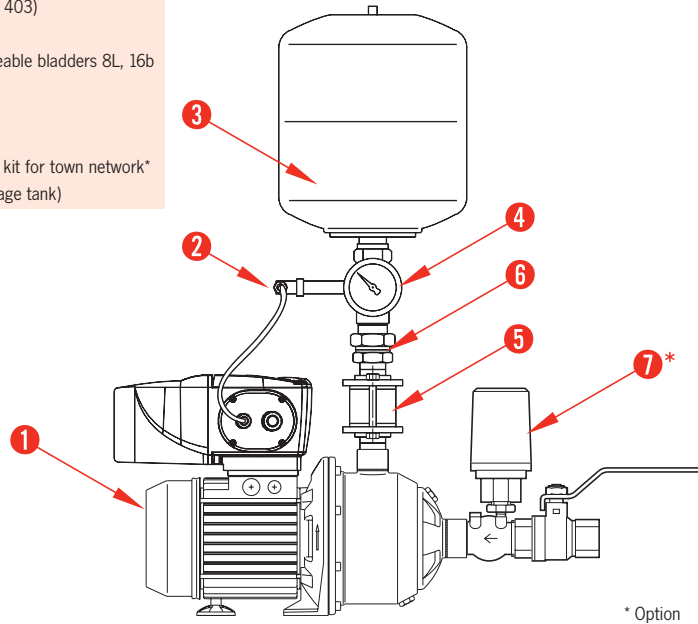
Operation: When the real pressure measured on the sensor drops below the set pressure, the pump starts and controls its speed to achieve the set pressure. The pump stops automatically when it detects zero flow.

STANDARD CONSTRUCTION

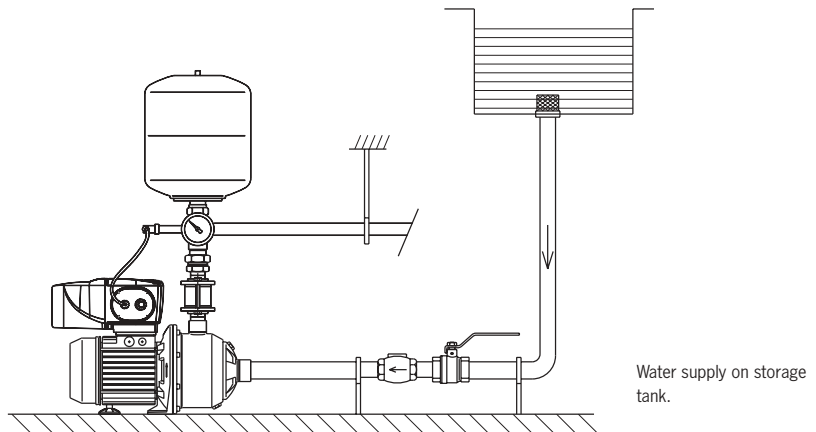
Main parts	Material
Pumps Multi-HE 200/400	Stainless steel 304
Union	Brass
Non-return valve	Brass

BOOSTER DESCRIPTION

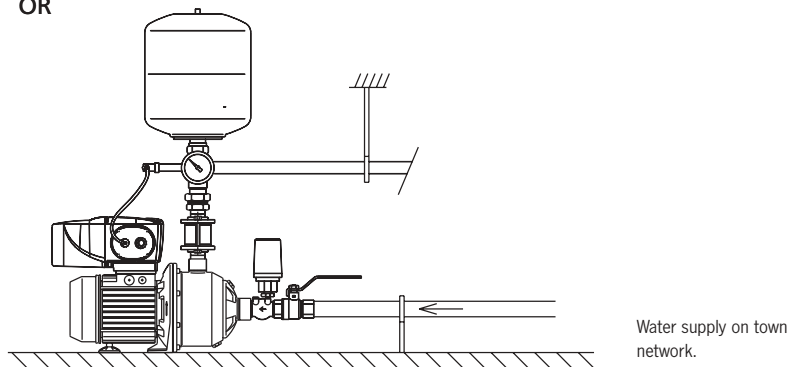
- 1 Pump MULTI-HE (205; 403)
- 2 Sensor kit (10 bar)
- 3 Vessel with interchangeable bladders 8L, 16b
- 4 Pressure gauge
- 5 Non-return valve
- 6 Union
- 7 Dry running protection kit for town network* (also available for storage tank)



INSTALLATION

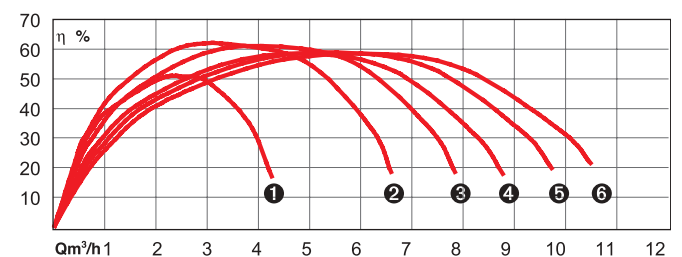
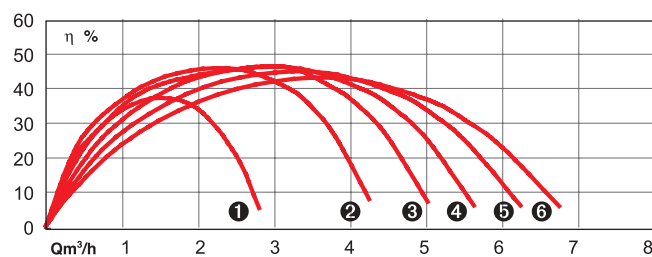
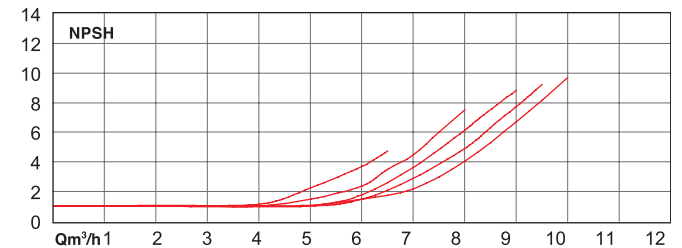
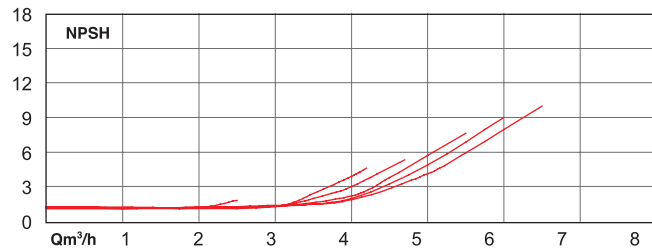
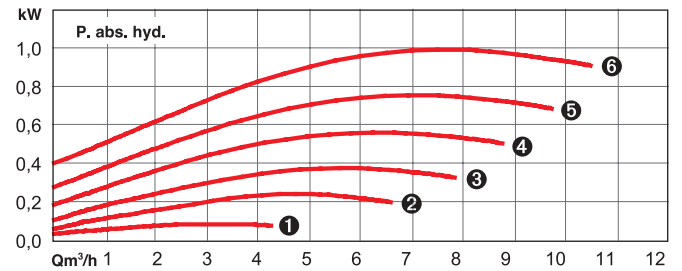
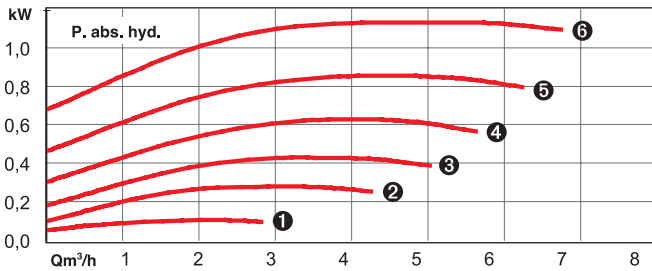
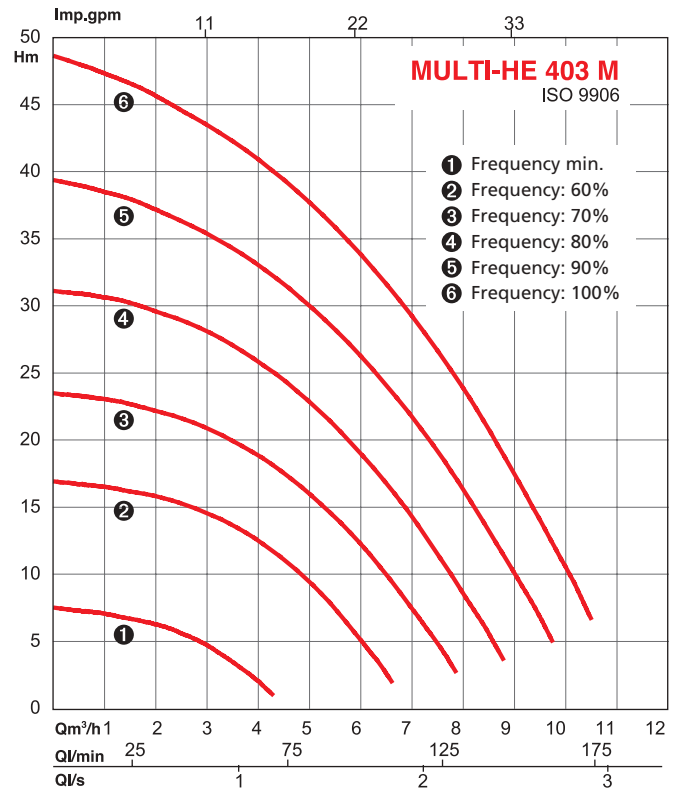
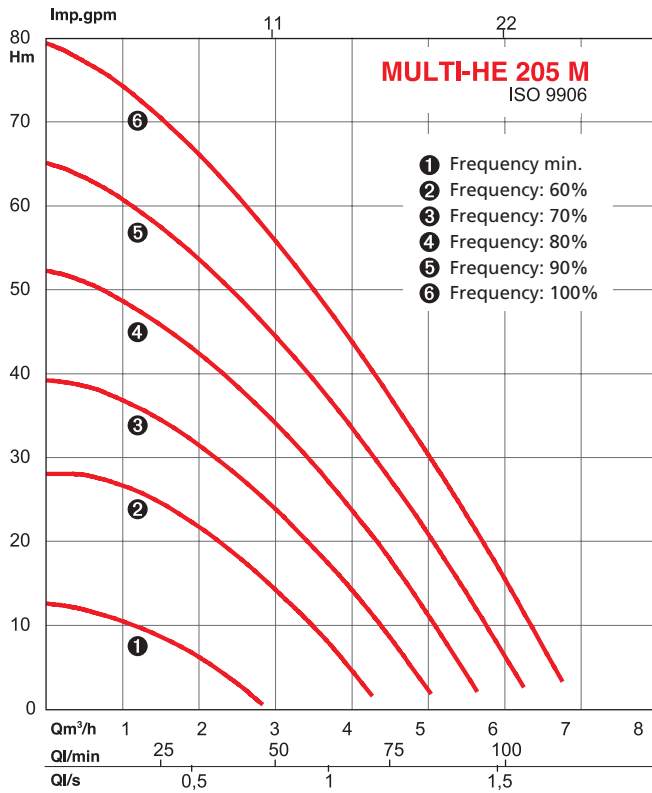


OR



HYDROMINI MULTi-HE (1-phase)

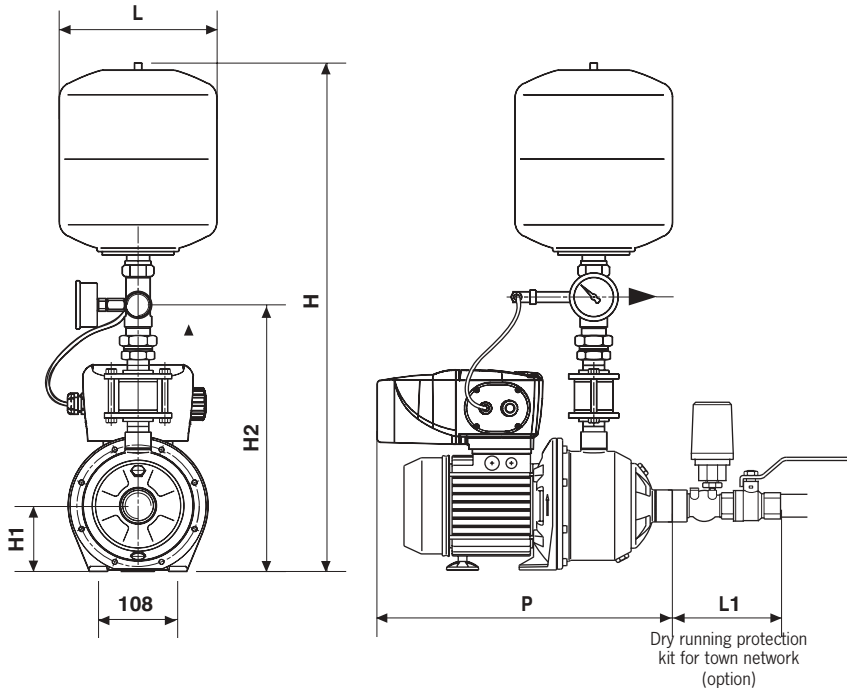
HYDRAULIC PERFORMANCES



HYDROMINI MULTI-HE (1-phase)

ELECTRICAL DATA AND DIMENSIONS

• HYDROMINI MULTI-HE 200/400



	P2		Freq.	Voltage	In.	H	L	L1	P	H1	H2	Suc.	Dis.
	kW	Hz											
Multi-HE 205-T-V8	1.1	50	1x230	11.6									
			60	1x220	11.9								
			60	1x240	11.2	725	220	114	460	90	370	1"	1"
Multi-HE 403-T-V8	1.1	50	1x230	11.6									
			60	1x220	11.9								
			60	1x240	11.2	725	220	122.5	412	90	370	1" ^{1/4}	1"

FEATURES

a) Installation

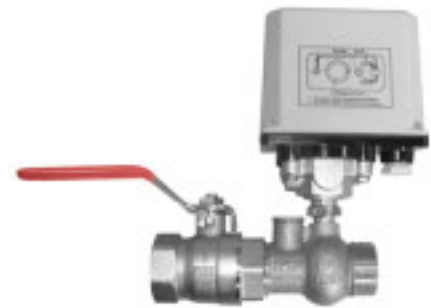
- On smooth floor or concrete block.

b) Packaging

- On pallet with carton packing.

RECOMMENDED ACCESSORIES

- Dry running protection kit for town network (with 1 pressure switch, 1 non-return valve and 1 valve).



- Dry running protection kit for storage tank.

