

Deepwell submersible pumps with 3" diameter for clear water

H 832

Application

HOMA high pressure submersible pumps are suitable for pumping clear water with high pressure from bore holes or narrow wells. They are used for domestic water supply, irrigation, garden watering from cisterns or similar, in fountain displays, watering place, ground water drainage etc.

In combination with the electronic control panel HPS 2 or with a pressure tank, pressure switch and an electrical control panel the pumps can operate automatically (see accessories).

Installation: The pumps operate in vertical or horizontal position. For vertical operation in a well the pump must be suspended on a rope.

Pumped liquid: Clear water.

Max. liquid temperature: 35°C, short term up to 60°C.

Operation: Permanent (S1).

Design

Fully submersible pump consisting of:

Pump: Multistage centrifugal pump with vertical discharge BSP 1" F.

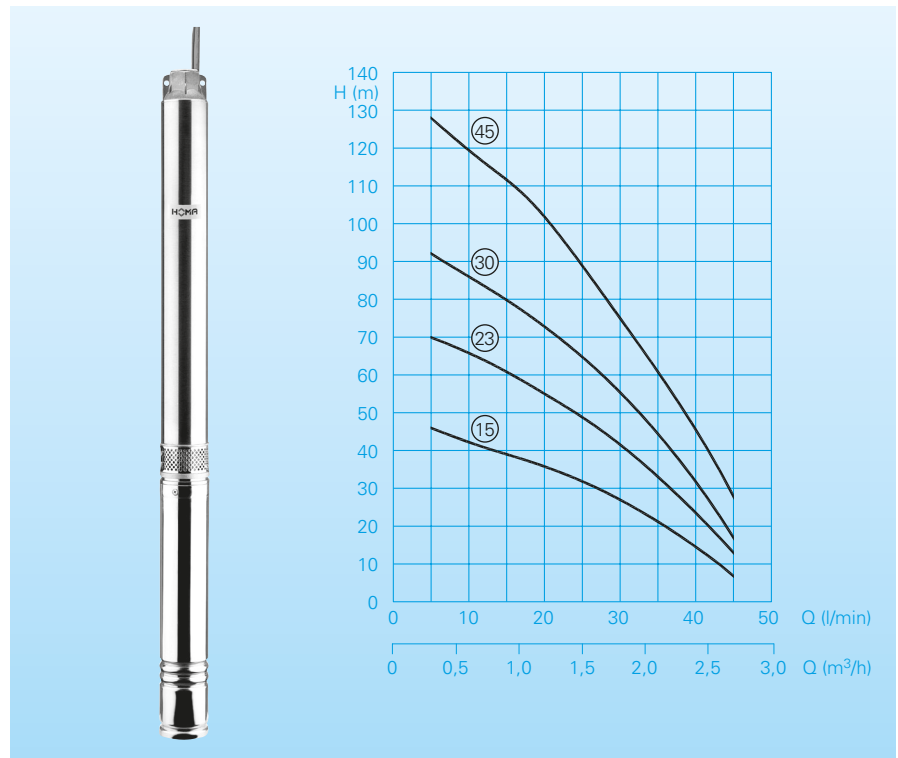
Impeller: Closed multi-channel impellers, spherical clearance 1 mm. Wear rings made of stainless steel.

Motor: Fully submersible, pressure tight electric motor, oil filled. Insulation class B. Motor protection IP 68. Thermal sensors embedded in the motor winding.

Shaft/bearings: Large diameter stainless steel rotor shaft, pre-lubricated bearings.

Seals: Mechanical seal.

Performances



Technical Data

Curve No.	Pump type	Motoputput P ₂ (kW)	Capacitor* (μF)	Norminal current (A)	Cable length (m)	Weight (kg)
15	H832-15/0,37 W	0,37	16	3,8	30	9,3
15	H832-15/0,37 D	0,37		2,0	30	9,3
23	H832-23/0,55 W	0,55	20	4,5	30	10,8
23	H832-23/0,55 D	0,55		2,1	30	10,5
30	H832-30/0,75 W	0,75	25	5,9	30	12,4
30	H832-30/0,75 D	0,75		2,5	30	12,0
45	H832-45/1,10 D	1,10		3,2	30	14,4

Speed: 2900 rpm

Model W: 230V/1Ph 50Hz

Model D: 400V/3Ph 50Hz

* **Capacitor:** For the operation it is necessary to install a capacitor in the control box.

Materials

Pump housing	
Motor housing,	
Suction sieve,	
Motor shaft	stainless steel
Impeller,	Glass-fibre reinforced synthetic material (composite)
Mechanical seal	Carbone graphite / Stainless steel
Elastomere	Perbonane

Equipment supplied

Pump with integrated non-return valve and 30 m of cable. The single phase pumps require a capacitor for operation, which is integrated in the control box (see accessories).

