

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

ding.

Fully submersible pump consisting of:

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

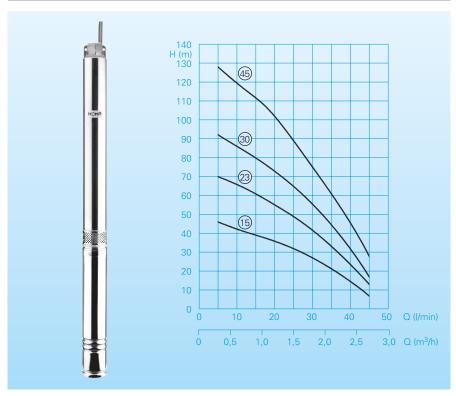
Impeller: Closed multi-channel
impellers, spherical clearance 1 mm.
Wear rings made of stainless steel.

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

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

Seals: Mechanical seal.

Performances



Technical Data

Curve No.	Pump type	Moto- routput P ₂ (kW)	Capaci- tor* (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

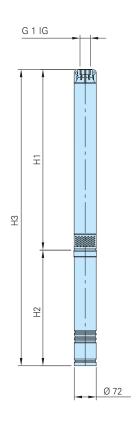
Speed: 2900 rpm **Model W:** 230V/1Ph 50Hz **Model D:** 400V/3Ph 50Hz * Capacitor: For the operation it is necessary to install a capacitor in the control box.

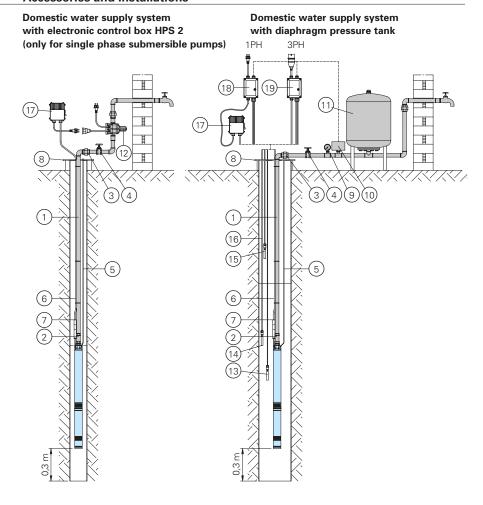
Materials

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).





Pump type	H1	H2	Н3
H 832-15/0,37 W	580	371	951
H 832-15/0,37 D	580	371	951
H 832-23/0,55 W	780	371	1151
H 832-23/0,55 D	780	371	1151
H 832-30/0,75 W	1000	391	1391
H 832-30/0,75 D	1000	391	1391
H 832-45/1,10 D	1380	410	1790

Part Description	Dim.	PartNo.
① Galvanized tube, per m	BSP1"F	2100150
Galvanized fittings		on request
Composite tube, PE-HD	BSP1"F	on request
Composite fittings, PE-HD		on request
② Bronze non-return valve	BSP1"F	2211113
3 Galvanized coupling	BSP1"F	2114303
4 Flanged gate valve	BSP1"F	2216010
⑤ Rope, stainless steel	4,0 mm	on request
6 Rubber-sheated cable, per m	4G1,5	1041541
7 Coupling sleeve	, .	1124030
Supporting clamp		on request
Manometer	BSP ¹ /4"N	M 8503240
Manometer with higher measuring range		on request
® Pressure switch 0,5 – 11 bar	BSP½"F	1254011
Pressure switch with higher pressure range		on request
① Diaphragm pressure tank		on request
@ HPS 2 electronic pump control box with protection against dry-running, max. switching capacity BA, max. pressure 10 bar	BSP1"M	1468560

Part Description	Dim.	PartNo.
3 gnd-electrode		1610992
⊕ off-electrode		1610992
⑤ on-electrode		1610992
6 Electrode, per m		1041207
® Single phase control panel with composite housing IP54 motor protection, capacitor, on-off-switch, operation light plug, up to	, 0,55 kW 0,75 kW	1921002
® Single phase control panel with dry-run protection, composite housing IP 54, 3 electrodes, electrode relay, plug without electrode cable,	0,75 kW	
® Three phase control panel with composite housing IP54 motor protection, on-off-swit plug with phase changer, up	l, 4,4 A ch,	1926015 1926020
or ® Three phase control panel with composite housing IP54 motor protection, on-off-swit dry-run protection, 3 electrod electrode relay, plug with pha changer without electrode ca	l, 4,0 A ch, es, ase	1921072 1921074



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