



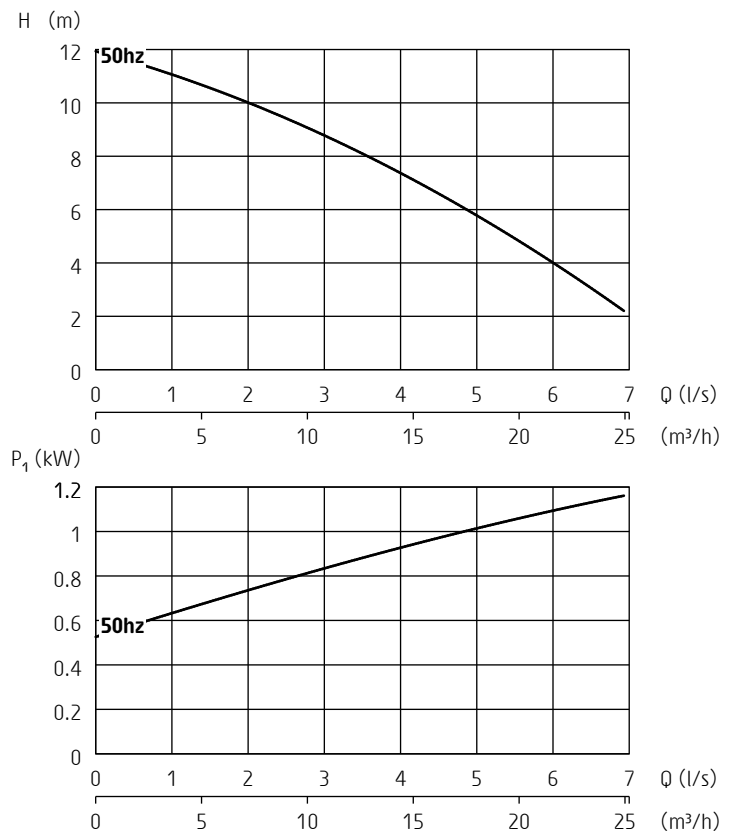
## Solid

Electrical submersible sludge pump



50 Hz	Solid
Discharge connection	2"
Rated power $P_2$ [W]	900
Max. power consumption $P_1$ [W]	1200
Shaft speed [rpm]	2800
Rated current at 115V	11 A
Rated current at 230V	5,2 A
Solids passage	38 mm
Height / Diameter (mm)	510 / 200 mm
Weight	17 kg

Other voltages on request



ISO 9906/A

### Pump types

Single phase

### Classification

Electrical submersible drainage pump

Protection class: IP 68

### Electrical motor

1-phase: Squirrel cage induction motor

50 Hz: separate start and run capacitor

60 Hz: combined start and run capacitor

Insulation class: F (IEC 85)

### Motor protection

1-phase: Temperature guard with a thermal contact in stator opening  
temperature 135°C (275°F)

### Cable

1-phase: 3G1mm<sup>2</sup>, 10 m (33 ft) / 16AWG/3, 50 ft

### Limitations

Max. submersion depth: 10 m (33 ft)

Max. liquid temperature: 40 °C (104 °F)

Allowed pH range: 5 - 8

Maximum liquid density: 1100 kg/m<sup>3</sup> (68 lbs/ft<sup>3</sup>)

### Shaft seals

Double mechanical seals running in an oil compartment

Material lower seal: *silicon carbide - silicon carbide*

Material upper seal: *carbon - aluminum oxide*

### Bearings

Ball bearings with C3 clearance

### Discharge connection

2" hose, BSP or NPSM

### Materials

Pump top: *Aluminium*

Outer casing: *Aluminium*

Stator housing: *Aluminium*

Motor shaft: *Stainless steel*

Impeller: *Polyurethane*

Pump housing: *Polyurethane*

Screws and nuts: *Stainless steel*

### Accessories

Float switch