

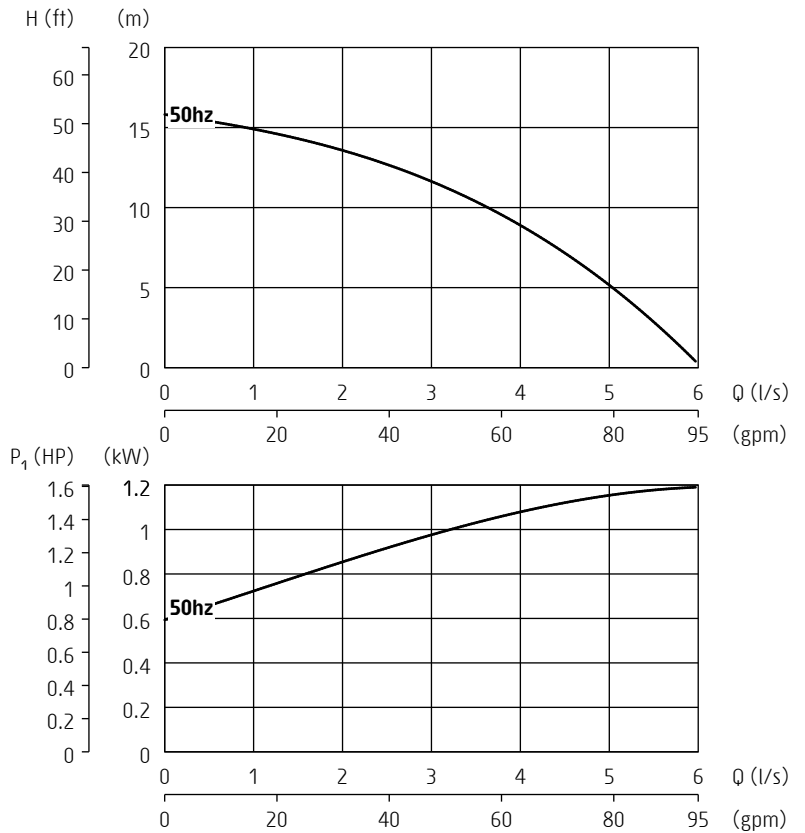


# Mini

Electrical submersible drainage pump



| 50 Hz                                     | Mini   |
|-------------------------------------------|--------|
| Discharge connection                      | 2"     |
| Rated power P <sub>2</sub> [W]            | 900    |
| Max. power consumption P <sub>1</sub> [W] | 1200   |
| Shaft speed [r.p.m.]                      | 2800   |
| Rated current at 115V                     | 11 A   |
| Rated current at 230V                     | 5,2 A  |
| Solids passage [mm]                       | 11 x 5 |
| Height [mm]                               | 440    |
| Diameter [mm]                             | 185    |
| Weight [kg]                               | 14,5   |
| 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 (32.8 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*

Diffuser: *Polyurethane*

Screws and nuts: *Stainless steel*

## Accessories

Float switch

Low suction collar

Pump raft