

# Micro

## Electrical submersible drainage pump 50HZ



### Pump specifications

Type	Micro
50Hz	Micro
Discharge connection	2"
Rated Power P} (W)	420
Max. power consumption P} (W)	590
Shaft speed (r.p.m.)	2760
Rated current at 115V	5.1A
Rated current at 230V	2.7 A
Solids passage (mm)	11 x 5
Height (mm)	440
Diameter (mm)	185
Weight (kg)	12

Other voltages on request

### Features

#### Pump types

Single phase

#### Classification

Electrical submersible drainage pump. Protection class: IP68

#### Electrical motor

1-phase: Squirrel cage induction motor with run capacitor.  
Insulation Class: F (IEC85)

#### 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>, 10m (33ft) / 16AWG/3, 50ft

#### Limitations

Max. submersion depth: 5m (16.4ft)  
Max. liquid temperature: 35°C (95°F)  
Allowed pH range: 5 - 8  
Maximum liquid density: 1100kg/m<sup>3</sup> (68lbs/ft<sup>3</sup>)

#### Shaft Seals

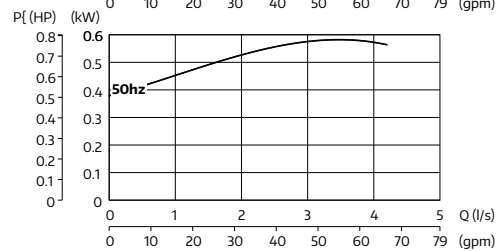
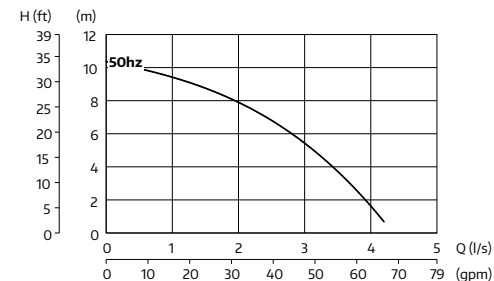
Double mechanical seals running in an oil compartment  
Material lower seal: silicon carbide - silicon carbide  
Material upper seal: carbon - aluminum oxide

#### Bearings

Ball bearings with C3 clearance

#### Discharge connection

2" hose, BSP or NPSM



ISO 9906/A

#### 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