

Micro

Submersible Dewatering Pump



Pump specifications

Type	Micro
50Hz	1-ph
Discharge connection	2"
Rated Power P _r (W)	420
Max. power consumption P ₁ (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: 3G1mm², 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/m³ (68lbs/ft³)

Shaft Seals

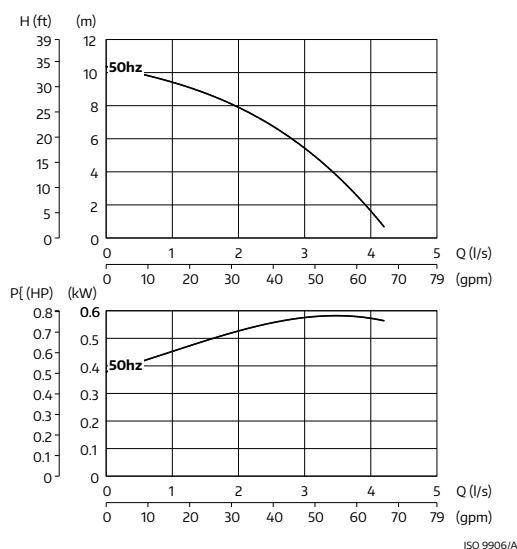
Double mechanical seals running in an oil compartment
Material lower seal: silicon carbide - silicon carbide
Material upper seal: carbon - aluminum oxide

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