

Master

Submersible Dewatering Pump



Pump specifications

Type	Master		
50Hz	N	H	SH
Discharge connection	6"	4"	3"
Rated Power P _r (kW)	10	10	10
Max. power consumption P _c (kW)	11.7	11.7	11.7
Shaft speed (r.p.m.)	2855	2855	2855
Rated current at 230V	33 A	33 A	33 A
Rated current at 400V	21 A	21 A	21 A
Rated current at 500V	15 A	15 A	15 A
Rated current at 1000V	8 A	8 A	8 A
Solids passage (mm)	10	10	10
Height (mm)	832	832	887
Diameter (mm)	346	346	346
Weight (kg)	80	80	98

Other voltages on request

Features

Pump types

N: normal pressure,
H: high pressure,
SH: super high pressure

Classification

Electrical submersible drainage pump. Protection Class: IP68

Electrical motor

Squirrel cage induction motor. Insulation Class: H (IEC85)

Motor protector

Phase sequence control, phase failure guard, temperature guard with thermal contacts in the stator opening temperature 140°C (284°F) (= SMART system), air valve.

- DOL, tar/delta
- Softstarter (only 400V-50Hz)

Cable – SubCab

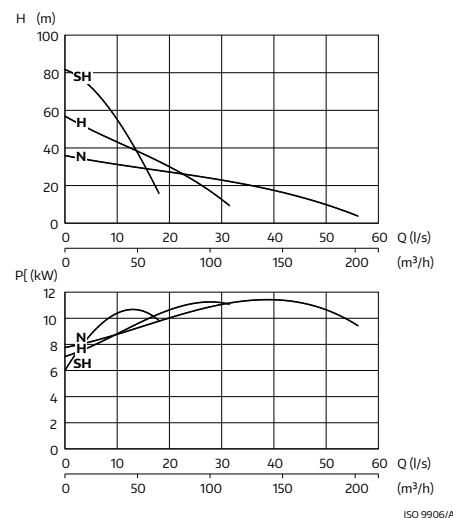
230V: 4G4mm², 20m (66ft) or 8AWG/4, 53ft
380-575V: 4G4mm², 20m (66ft) or 12AWG/4, 53ft

Limitations

Max. submersion depth: 20m (66ft)
Max. liquid temperature: 40°C (104°F)
Allowed pH range: 5 - 8
Maximum liquid density: 1100kg/m³ (68lbs/ft³)

Shaft Seals

Cartridge seal: pre-assembled double mechanical seal running in an oil compartment
Material lower seal: silicon carbide - silicon carbide
Material upper seal: tungsten carbide - aluminium oxide



Bearings

Ball bearings with C3 clearance

Discharge connection

3-6" hose, ISO-G or NPT

Materials

Casted parts: Aluminium
Outer casing: Stainless steel
Motor shaft: Stainless steel
Impeller and suction cover: Hard-Iron™
Diffusers: Nitrile rubber
Screws and nuts: Stainless steel
O-rings: Nitrile rubber

Accessories

External level regulator, Zinc anodes, Tandem connection, Pump raft

PD505182-INT

Specifications can be changed without notice.