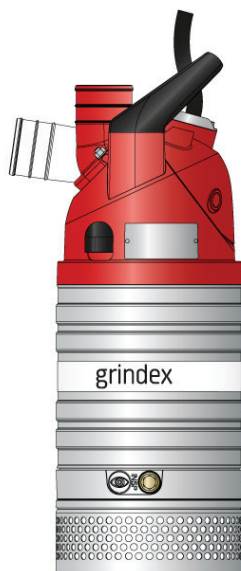


Minette

Electrical submersible drainage pump 50HZ



Pump specifications

Type	Minette	
50Hz	1-ph	3-ph
Discharge connection	3"	3"
Rated Power P _r (kW)	1.5	2.2
Max. power consumption P _i (kW)	1.9	2.7
Shaft speed (r.p.m.)	2830	2800
Rated speed at 230V	8.4 A	8.1 A
Rated current at 400V	-	4.5 A
Rated current at 500V	-	3.6 A
Solids passage (mm)	9	9
Height (mm)	676	676
Diameter (mm)	240	240
Weight (kg)	29	29

Other voltages on request

Features

Classification

Electrical submersible drainage pump. Protection class: IP68

Electrical motor

1-phase: Squirrel cage induction motor with start and run capacitor

3-phase: Squirrel cage induction motor

Insulation Class: F (IEC85)

Motor protection

1-phase: Temperature guard with a thermal contact in stator opening temperature 125°C (257°F), air valve

3-phase: Phase sequence control, phase failure guard, temperature guard with thermal contacts in the stator opening temperature 125°C (257°F) (= SMART system), air valve

Cable - SubCab

1-phase: 3G1,5mm², 20m (66ft)/ 14AWG/3, 53ft

3-phase: 4G1,5mm², 20m (66ft)/ 14AWG/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

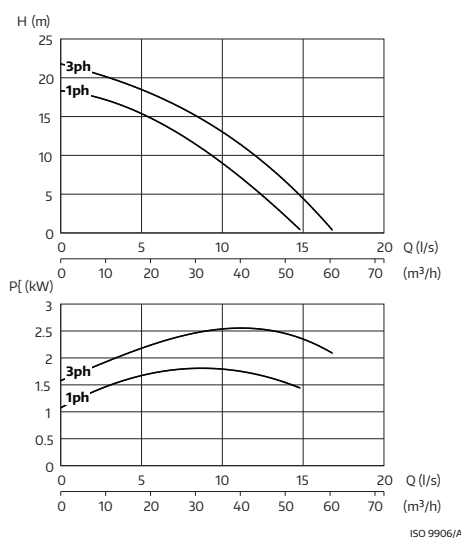
Cartridge seal: pre-assembled double mechanical seal running in an oil compartment

Material lower seal: silicon carbide - silicon carbide

Material upper seal: tungsten carbide - aluminium oxide

Bearings

Ball bearings with C3 clearance



Discharge connections

3" hose, ISD-G or NPT

Materials

Casted parts: Aluminium

Outer casing: Stainless steel

Motor shaft: Stainless steel

Impeller: Hard-Iron™

Suction cover: Hard-Iron™

Diffusers: Nitrile rubber

Screws and nuts: Stainless steel

O-rings: Nitrile rubber

Accessories

Float switch; Zinc anodes; Low suction collar; Pump raft