

Minex

Electrical submersible drainage pump 50HZ



Pump specifications

Type	Minex		
50Hz	Lite 1-ph	1-ph	3-ph
Discharge connection	2"	2"	2"
Rated Power P _r (kW)	0.85	1.4	1.2
Max. power consumption P _f (kW)	1.1	1.8	1.6
Shaft speed (r.p.m.)	2755	2870	2740
Rated current at 115V	11 A	-	-
Rated current at 230V	5.1 A	7.8 A	4.7 A
Rated current at 400V	-	-	2.6 A
Solids passage (mm)	7.5	7.5	7.5
Height (mm)	616	646	616
Diameter (mm)	200	200	200
Weight (kg)	21.5	25	21.5

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

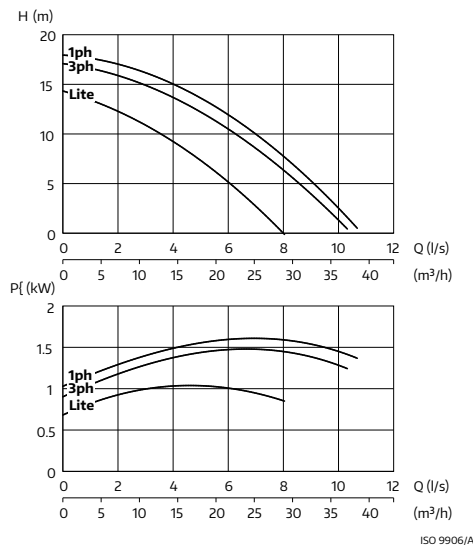
Material lower seal: silicon carbide - silicon carbide

Material upper seal: tungsten carbide - aluminium oxide

Bearings

Ball bearings with C3 clearance

PD501172-INT



Discharge connection

2" hose, ISD-G or NPT

Materials

Casted parts: Aluminium

Outer casing: Stainless steel

Motor shaft: Stainless steel

Impeller: Hard-Iron™

Diffusers: Nitrile rubber

Screws and nuts: Stainless steel

O-rings: Nitrile rubber

Accessories

Float switch,

Zinc anodes

Low suction collar

Pump raft