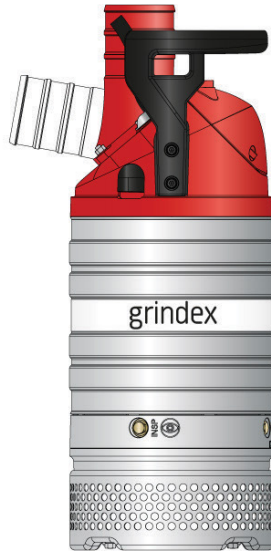


# Minor

## Electrical submersible drainage pump 50HZ



### Pump specifications

Type	Minor	
50Hz	N	H
Discharge connection	4"	3"
Rated Power P <sub>r</sub> (kW)	3.7	3.7
Max. power consumption P <sub>i</sub> (kW)	4.4	4.4
Shaft speed (r.p.m.)	2885	2885
Rated speed at 230V	13 A	13 A
Rated current at 400V	7.3 A	7.3 A
Rated current at 500V	5.4 A	5.4 A
Rated current at 1000V	2.9 A	2.9 A
Solids passage (mm)	10	10
Height (mm)	768	768
Diameter (mm)	286	286
Weight (kg)	50	50

Other voltages on request

### Features

#### Pump types

N: normal pressure  
H: high pressure

#### Classification

Electrical submersible drainage pump  
Protection class: IP68

#### Electrical motor

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

#### Motor protection

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

#### Cable - SubCab

4G2,5mm<sup>2</sup>, length 20m or 14AWG/4, length 53ft

#### Limitations

Max. submersion depth: 20m (66ft)  
Max. liquid temperature: 40°C (104°F)  
Allowed pH range: 5 - 8  
Maximum liquid density: 1100kg/m<sup>3</sup> (68lbs/ft<sup>3</sup>)

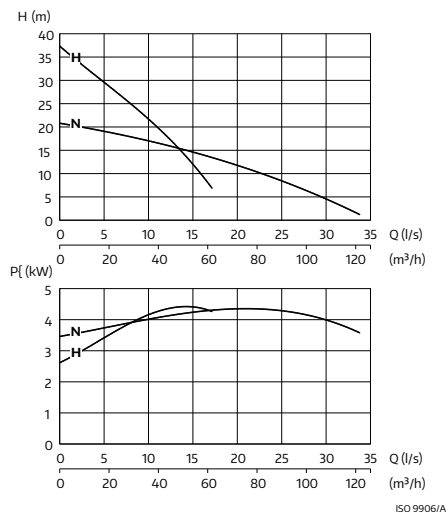
#### Shaft Seals

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

#### PD503181-INT



#### Discharge connection

3-4" hose, ISD-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

Level regulator; Zinc anodes; Tandem connection;  
Low suction collar; Pump raft