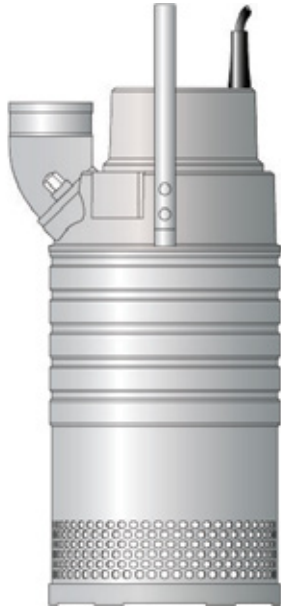


Master Inox

Stainless Steel Submersible Dewatering Pump



Pump specifications

Type	Master Inox	
50Hz	N	H
Discharge connection	4"	3"
Rated Power P _J (kW)	8.0	8.0
Max. power consumption P _I (kW)	9.2	9.2
Shaft speed (r.p.m.)	2855	2855
Rated current at 400V	15 A	15 A
Rated current at 500V	12 A	12 A
Solids passage (mm)	8.5	8.5
Height (mm)	720	720
Diameter (mm)	280	280
Weight (kg)	77	81

Other voltages on request

Features

General description

Submersible drainage pump made of stainless steel for mines, processing industries and salt-water applications

Classification

Electrical submersible pump. Protection class: IP68

Electrical motor

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

Motor protection

Phase sequence control, phase failure guard, temperature guard with thermal contacts in the stator (= SMART system).
Air valve

Cable – SubCab 20m (66 ft)

50 Hz 230 - 500V: 4G2.5mm²

60 Hz 230 - 575V: AWG12/4

Limitations

Max. submersion depth: 20m (66ft)

Max. liquid temperature: 40°C (104°F)

Allowed pH range: 2 - 10

Maximum liquid density: 1100kg/m³ (68lbs/ft)

Shaft Seals

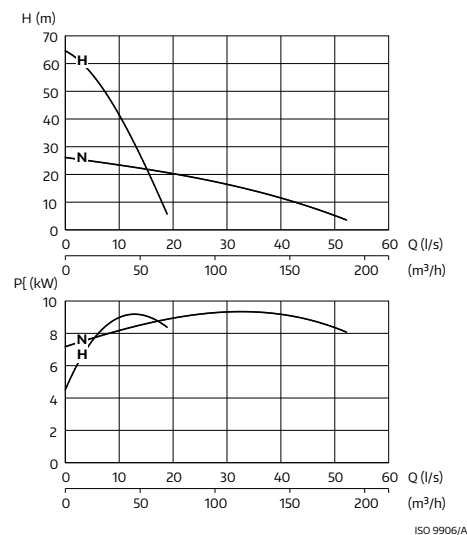
Double mechanical shaft seals running in an oil compartment

Material lower seal: silicon carbide - silicon carbide

Material upper seal: carbon - silicon carbide

Bearings

Ball bearings with C3 clearance



Discharge connection

3-4" hose, ISO-G BSP or NPT

Materials

Casted parts: Stainless steel (EN 10283-1.4412-ASTM CF-8M)

Outer casing: Stainless steel (EN 10088-3-1.4436-AISI 316L)

Motor shaft: Stainless steel (EN 10088-3-1.4460-AISI 329)

Impeller: Stainless steel (EN 10283-1.4412-ASTM CF-8M)

Diffusers: Nitrile rubber

Screws and nuts: Stainless steel (A4)

O-rings: Viton rubber

Accessories

Zinc anodes