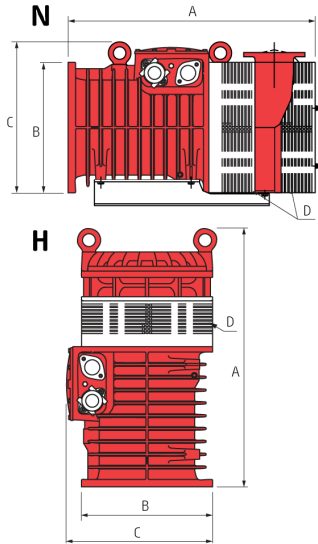


Mega

Electrical submersible drainage pump 50Hz



Pump specifications

Type	Mega	
50Hz	N	H
Discharge connection	6" (DN150)	4" (DN100)
Rated Power P _r (kW)	90	90
Max. power consumption P _f (kW)	95	95
Shaft speed (r.p.m.)	2965	2965
Rated speed at 400V	148 A	148 A
Rated current at 500V	117 A	117 A
Rated current at 1000V	60 A	60 A
Solids passage (mm)	10	10
Height (mm)	1180	1245
Diameter (mm)	610	610
Weight (kg)	900	985

Other voltages on request

Features

Pump types

N: Normal head
H: High head

Classification

Electrical submersible pump. Protection class: IP68

Electrical motor

Squirrel cage 3-phase induction motor.
Insulation Class: H (IEC85)

Motor protector

Temperature guard with thermal contacts in the stator

Monitoring equipment

Pt100 sensor for main bearing temperature reading

Power cable

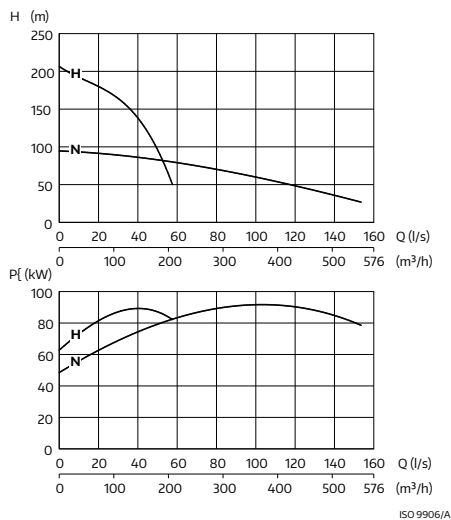
4G25+S(2x0.5) or 4G35+S(2x0.5), length 20m
3G50+2x35/2+S(2x0.5) or 3G70+2x50/2+S(2x0.5)
4AWG/3-2-1-GC or 1AWG/3-2-1-GC, length 50 ft
S3x50+3x25/3+S(4x0.5) or S3x70+3x35/3+S(2x0.5)

Limitations

Max. submersion depth: 75m (246ft)
Max. liquid temperature: 40°C (104°F)
Max. liquid density: 1100kg/m³ (68lbs/ft³)
pH of the liquid: 6 - 13

Shaft Seals

Double mechanical shaft seals with an oil compartment between the seals
Material lower seal: tungsten carbide - tungsten carbide
Material upper seal: tungsten carbide - tungsten carbide



Bearings

Main bearing: two single-row angular contact ball bearings
Support bearing: cylindrical single-row roller bearing with C3 clearance

Discharge connections

4-6" (DN 100-150) Flange SMS, DIN, BS or ANSI

Materials

Casted parts: Cast iron
Motor shaft: Stainless steel
Impeller: Hard-Iron™
Diffusers: Nitrile rubber
Screws and nuts: Stainless steel

Accessories

Zinc anodes