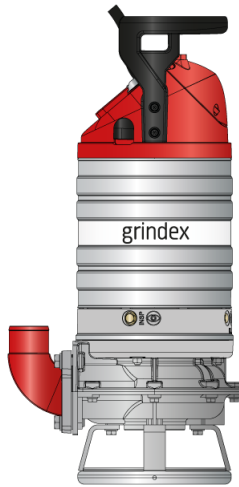




Senior

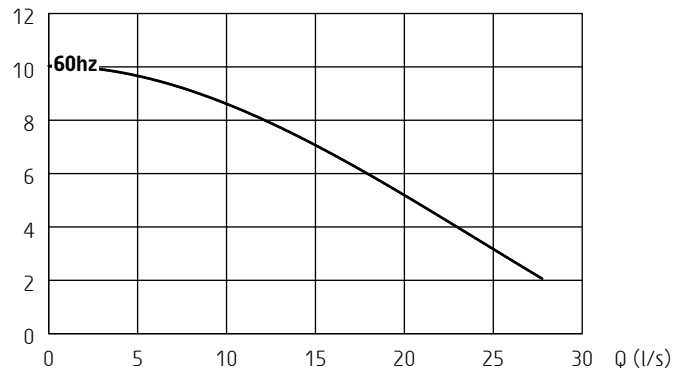
Electrical submersible sludge pump



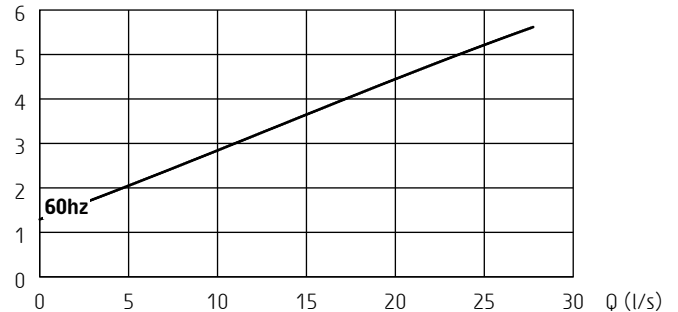
60 Hz	Senior
Discharge connection	4"
Rated power P_2 [kW/HP]	4.5 / 6.0
Max. power consumption P_1 [kW]	5.7
Shaft speed [r.p.m.]	1700
Rated current at 230V	17 A
Rated current at 460V	8.6 A
Rated current at 575V	6.9 A
Solids passage [mm/inch]	80 / 3,2
Height [mm/inch]	867 / 34 1/4
Diameter [mm/inch]	480 / 19
Weight [kg/lbs]	56 / 123

Other voltages on request

H (m)



P_1 (kW)



ISO 9906/A

Pump types

N: normal pressure

Classification

Electrical submersible drainage pump

Protection class: IP 68

Electrical motor

Squirrel cage induction motor, insulation class: H (IEC 85)

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

4G2,5mm², length 20 m or 14AWG/4, length 53 ft

Limitations

Max. submersion depth: 20 m (66 ft)

Max. liquid temperature: 40 °C (104 °F)

Allowed pH range: 5 - 8

Maximum liquid density: 1100 kg/m³ (68 lbs/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 connection

4" hose, ISO-G or NPT

Materials

Casted parts: *Aluminium*

Outer casing: *Stainless steel*

Motor shaft: *Stainless steel*

Impeller: *Hard-Iron™*

Pump housing: *Aluminium/Polyurethane*

Screws and nuts: *Stainless steel*

O-rings: *Nitrile rubber*

Accessories

Level regulator, Zinc anodes, Pump raft

Specifications can be changed without notice