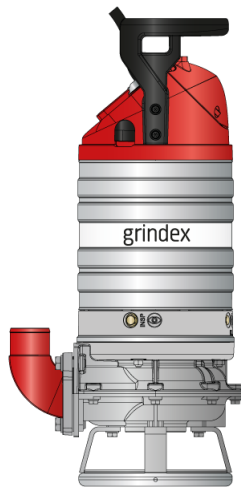




Senior

Electrical submersible sludge pump



| 50 Hz | Senior |
|-----------------------------------|--------|
| Discharge connection | 4" |
| Rated power P_2 [kW] | 3,2 kW |
| Max. power consumption P_1 [kW] | 4,2 kW |
| Shaft speed [r.p.m.] | 1400 |
| Rated current at 230V | 13 A |
| Rated current at 400V | 7,6 A |
| Rated current at 500V | 6,0 A |
| Rated current at 1000V | 3,3 A |
| Solids passage [mm] | 80 |
| Height [mm] | 867 |
| Diameter [mm] | 480 |
| Weight [kg] | 56 |

Other voltages on request

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

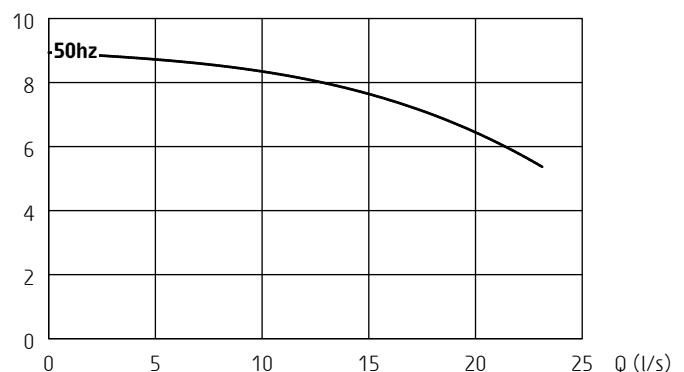
Max. submersion depth: 20 m (66 ft)

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

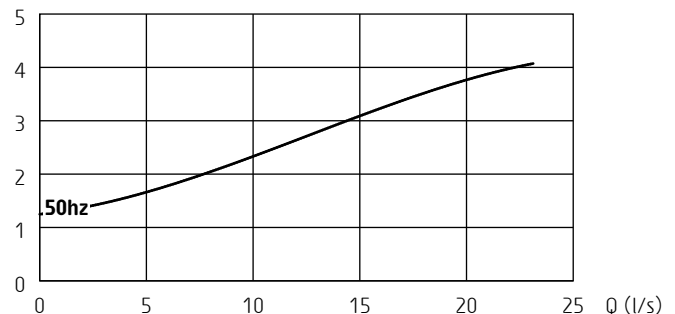
Allowed pH range: 5 - 8

Maximum liquid density: 1100 kg/m³ (68 lbs/ft³)

H (m)



P_1 (kW)



ISO 9906/A

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