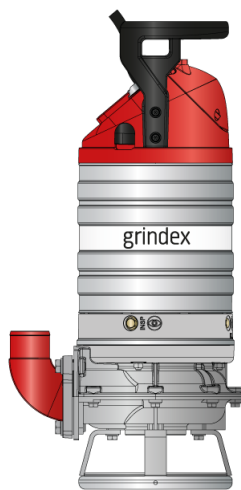




Sandy

Electrical submersible sludge pump



| 50 Hz | N | H |
|-----------------------------------|-------|-------|
| Discharge connection | 3" | 3" |
| Rated power P_2 [kW] | 5,6 | 5,6 |
| Max. power consumption P_1 [kW] | 6,7 | 6,7 |
| Shaft speed [r.p.m.] | 2890 | 2890 |
| Rated current at 230V | 19 A | 19 A |
| Rated current at 400V | 11 A | 11 A |
| Rated current at 500V | 8,7 A | 8,7 A |
| Solids passage [mm] | 46 | 32 |
| Height [mm] | 867 | 867 |
| Width [mm] | 460 | 430 |
| Diameter [mm] | 320 | 320 |
| Weight [kg] | 56 | 56 |

Other voltages on request

Pump types

N: normal pressure

H: high 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

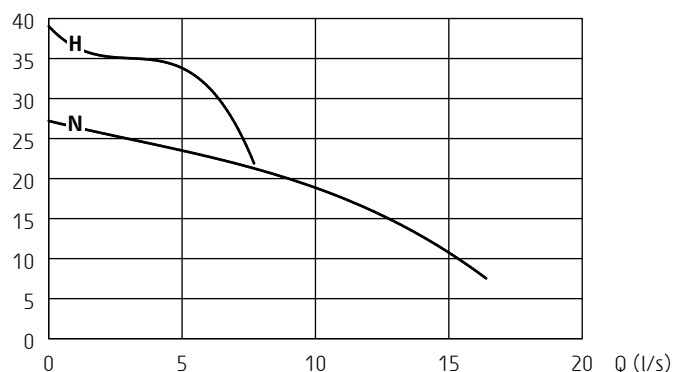
Max. submersion depth: 20 m (66 ft)

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

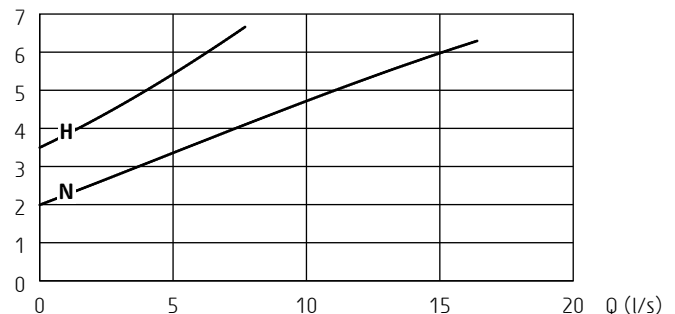
Allowed pH range: 5 - 8

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

3" 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

External level regulator

Zinc anodes

Pump raft

Specifications can be changed without notice