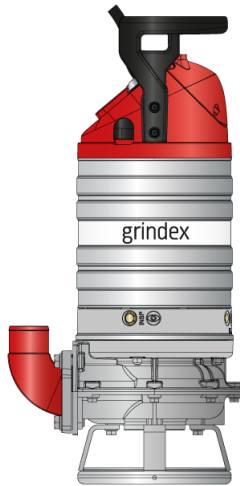


Senior

Electrical submersible sludge pump 50HZ



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

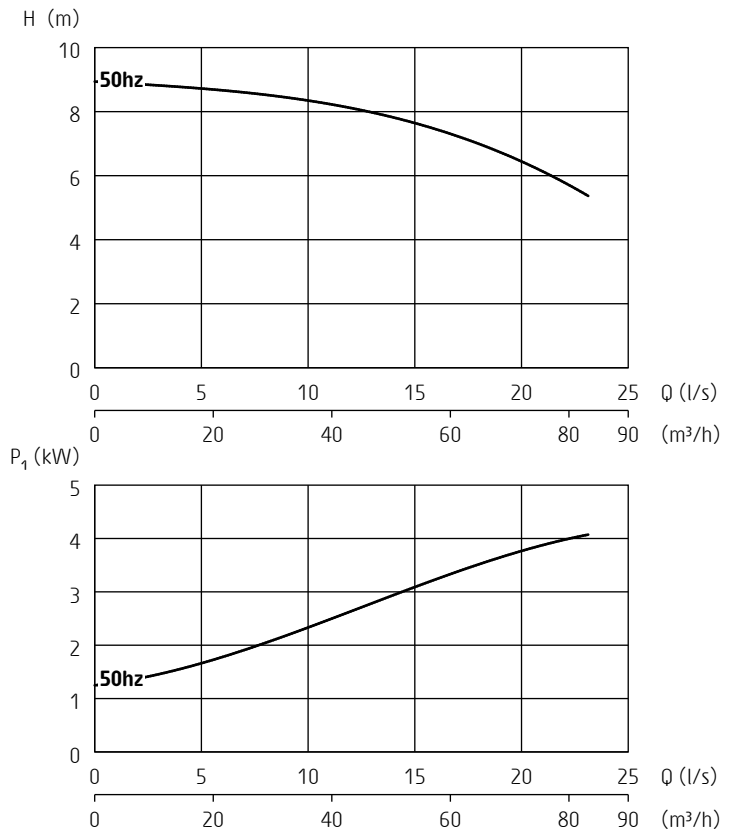
Phase sequence control, phase failure guard, temperature guard with thermal contacts in the stator opening temperature 140°C (284°F) (= SMART system), air valve

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)



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