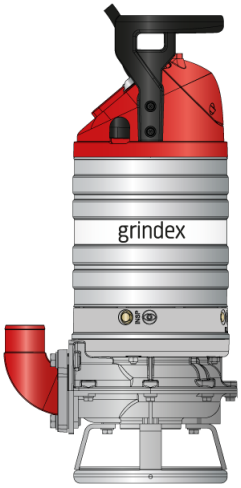
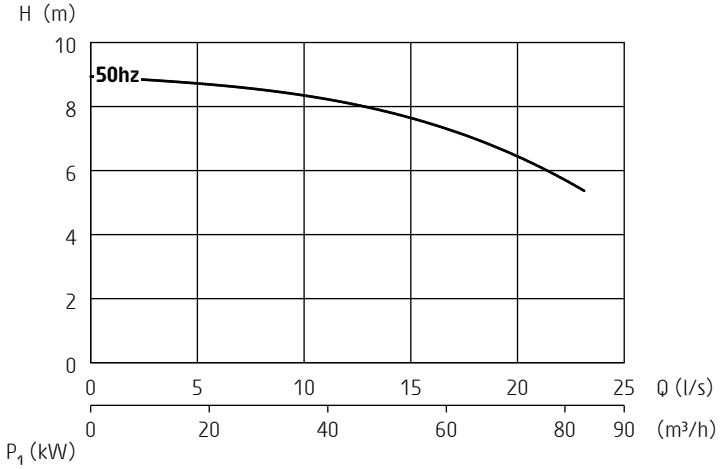
Senior

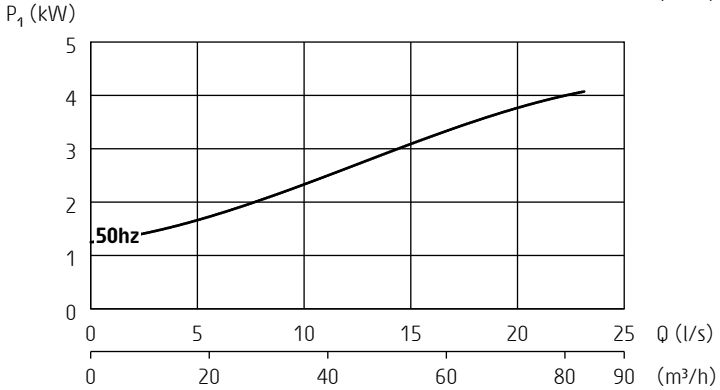
Electrical submersible sludge pump



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
Solids passage	80 mm (3,2")
Height / Diameter (mm)	867 / 480 mm
Weight	56 kg

Other voltages on request





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 mechnical 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

Grindex AB •P.O. Box 7025 •174 07 Sundbyberg •Sweden •Ph: +46 8 606 6600 •Fax: +46 8 745 5328 •marketing@grindex.com •www.grindex.com