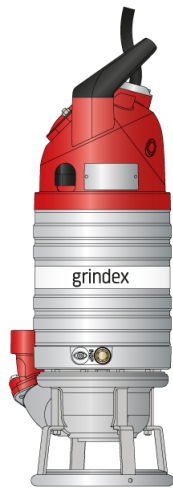




Salvador

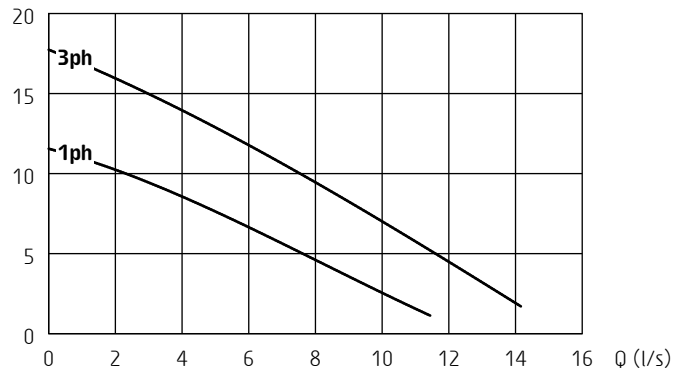
Electrical submersible sludge pump



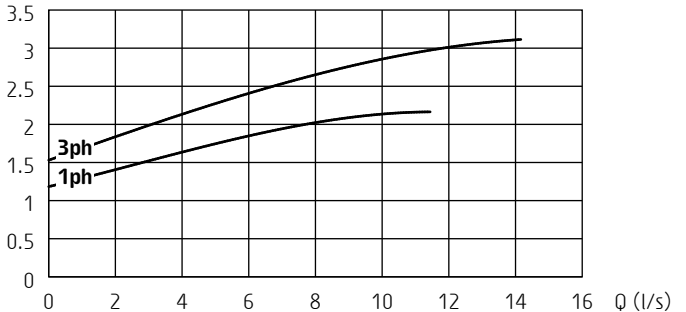
60 Hz	1-phase	3-phase
Discharge connection	3"	3"
Rated power P_2 [kW/HP]	1.8 / 2.4	2.6 / 3.5
Max. power consumption P_1 [kW]	2.2	3.1
Shaft speed [r.p.m.]	3405	3410
Rated current at 230V	9.9 A	9.5 A
Rated current at 460V	-	4.7 A
Rated current at 575V	-	3.5 A
Solids passage [mm/inch]	50 / 2	50 / 2
Height [mm/inch]	782 / 30¾	782 / 30¾
Width [mm/inch]	249 / 9¾	249 / 9¾
Weight [kg/lbs]	33 / 73	33 / 73

Other voltages on request

H (m)



P_1 (kW)



ISO 9906/A

Classification

Electrical submersible sludge pump

Protection class: IP 68

Electrical motor

1-phase: Squirrel cage induction motor with start and run capacitor

3-phase: Squirrel cage induction motor

Insulation class: F (IEC 85)

Motor protection

1-phase: Temperature guard with a thermal contact in stator opening temperature 125°C (257°F), air valve

3-phase: Phase sequence control, phase failure guard, temperature guard with thermal contacts in the stator opening temperature 125°C (257°F) (= SMART system), air valve

Cable - SubCab

1-phase: 3G1,5mm², 20 m (66 ft) / 14AWG/3, 53 ft

3-phase: 4G1,5mm², 20 m (66 ft) / 14AWG/4, 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

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

Zinc anodes

Float switch

Pump raft

Specifications can be changed without notice