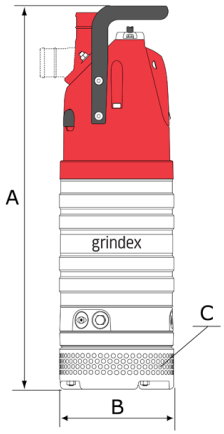
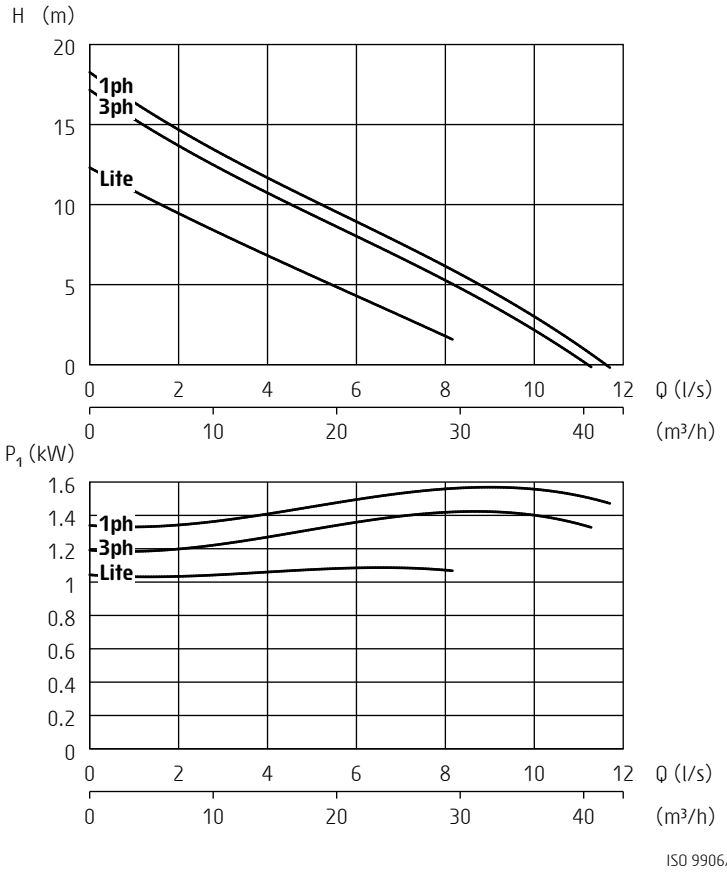
Minex

Electrical submersible drainage pump





ISO 9906/A

50 Hz	Lite 1-ph	1-ph	3-ph
Discharge connection	2´´	2´´	2´´
Rated power P_2 [kW]	0,85	1,3	1,2
Max. power consumption P_1 [kW]	1,2	1,7	1,6
Shaft speed [r.p.m.]	2785	2860	2760
Rated current at 115V	11 A	-	-
Rated current at 230V	5,1 A	7,2 A	4,7 A
Rated current at 400V	-	-	2,7 A
Solids passage	7,5 mm	7,5 mm	7,5 mm
Dimensions A / B / C	570 / 195 / 7,5 mm	610 / 195 / 7,5 mm	570 / 195 / 7,5 mm
Weight	21 kg	24 kg	21 kg

Other voltages on request

Classification
Electrical submersible drainage 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 mechnical seal running in an oil compartment
Material lower seal: *tungsten carbide - tungsten carbide*
Material upper seal: *tungsten carbide - tungsten carbide*

Bearings
Ball bearings with C3 clearance

Discharge connection
2´´ hose, ISO-G or NPT

Materials
Casted parts: *Aluminium*
Outer casing: *Stainless steel*
Motor shaft: *Stainless steel*
Impeller: *Hard-Iron™*
Diffusers: *Nitrile rubber*
Screws and nuts: *Stainless steel*
O-rings: *Nitrile rubber*

Accessories
Float switch (max 400 V)
Zinc anodes
Low suction collar
Pump raft

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