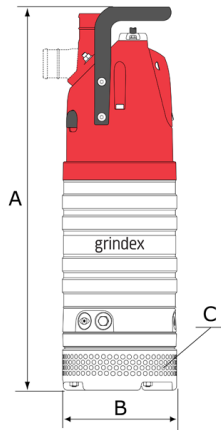




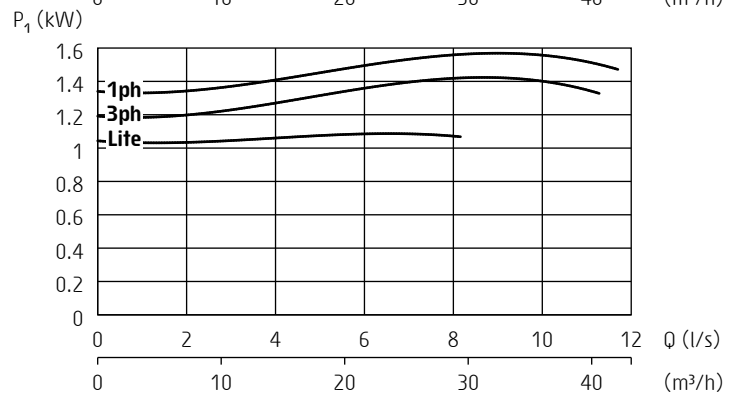
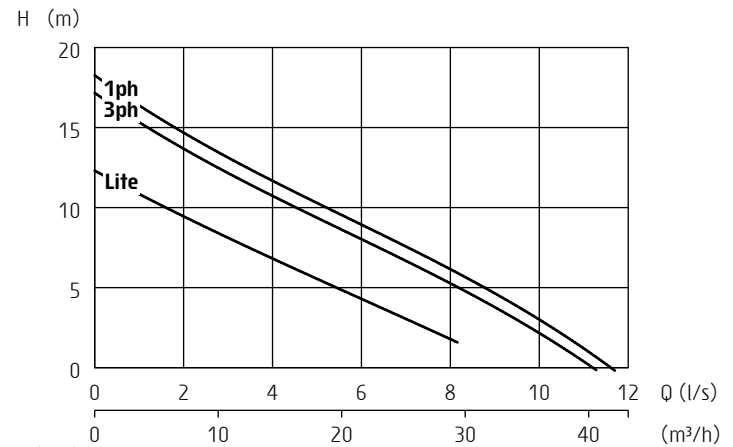
# Minex

Electrical submersible drainage pump



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



ISO 9906/A

## 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: 3G1,5mm<sup>2</sup>, 20 m (66 ft) / 14AWG/3, 53 ft  
3-phase: 4G1,5mm<sup>2</sup>, 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/m<sup>3</sup> (68 lbs/ft<sup>3</sup>)

## Shaft seals

Cartridge seal: pre-assembled double mechanical 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

Specifications can be changed without notice