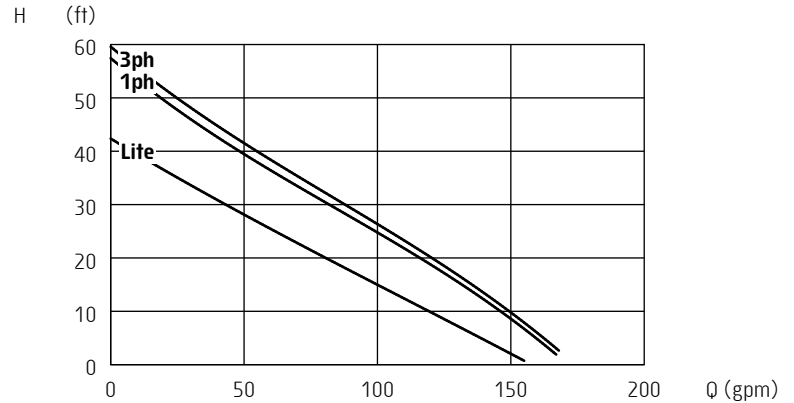
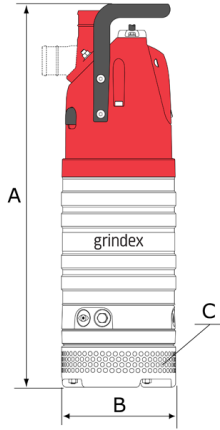


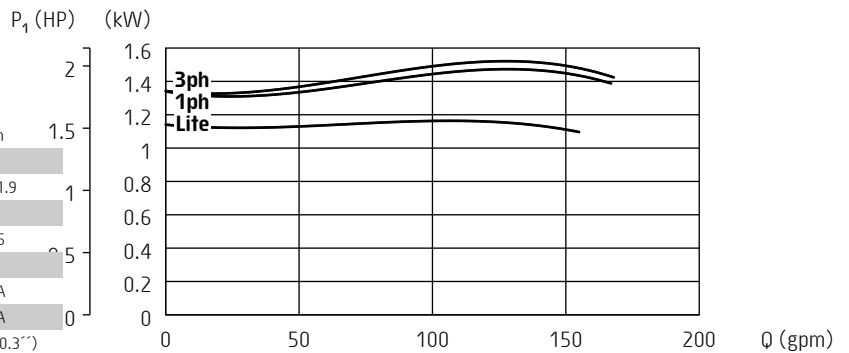


# Minex

Electrical submersible drainage pump



60 Hz	Lite 1-ph	1-ph	3-ph
Discharge connection	2"	2"	2"
Rated power P <sub>2</sub> [kW/HP]	0.97 / 1.3	1.5 / 2	1.4 / 1.9
Max. power consumption P <sub>1</sub> [kW]	1.3	1.8	1.8
Shaft speed [r.p.m.]	3400	3460	3335
Rated current at 115V	11 A	-	-
Rated current at 230V	5.6 A	8.2 A	5.2 A
Rated current at 460V	-	-	2.6 A
Solids passage	7.5 mm (0.3")	7.5 mm (0.3")	7.5 mm (0.3")
Dimensions A / B / C	570 / 195 / 7.5 mm	610 / 195 / 7.5 mm	570 / 195 / 7.5 mm
Dimensions A / B / C	22½ / 7¾ / 0.3"	24 / 7¾ / 0.3"	22½ / 7¾ / 0.3"
Weight	21 kg (47 lbs)	24 kg (54 lbs)	21 kg (47 lbs)



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