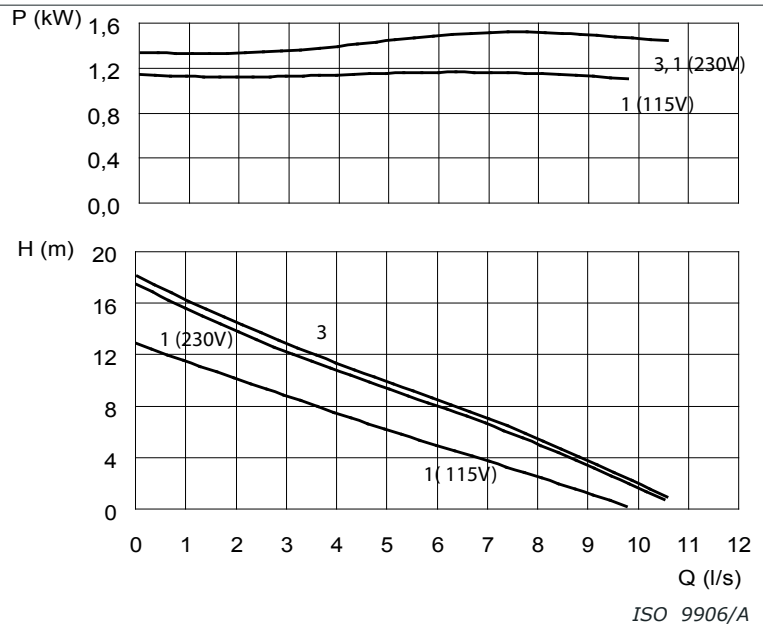
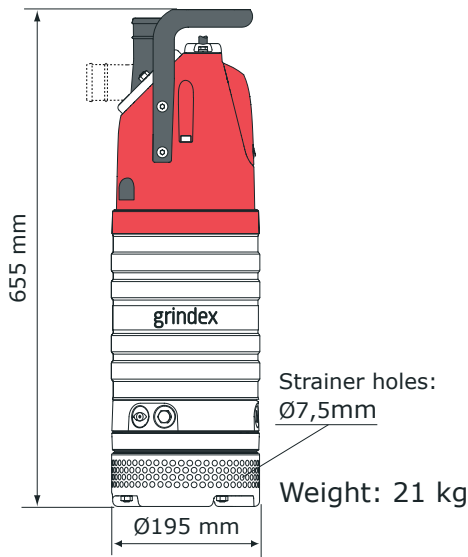


MINEX

Electrical submersible pump



Pump types

- 1: 1-phase
- 3: 3-phase

Classification

Electrical submersible pump
Protection class: IP68

Electrical motor

1-phase: Squirrel cage induction motor with start and run capacitor
3-phase: Squirrel cage induction motor
Insulation class F (IEC 85)

Technical data		1-phase	3-phase
Shaft speed	rpm	3460	3335
Rated output	kW	1.5	1.4
115V only	kW	1.0	
Max. power cons.	kW	1.8	1.8
115V only	kW	1.3	
Rated current A at	115 V	12	
	230 V	8.2	
	460V		2.6
	575V		2.0

Other voltages on request

Motor protector

1- phase: Temperature guard with a thermal contact in stator opening temp 125°C, airvalve
3-phase: Phase sequence control, phase failure guard, temperature guard with a thermal contact in stator opening temp 125°C (= SMART-system), airvalve

Power cable

1-phase: SUBCAB 3G1,5mm², lenght 20m
SUBCAB 14AWG/3, lenght 16m
3-phase: SUBCAB 4G1,5mm², lenght 20m
SUBCAB 14AWG/4, lenght 16m

Shaft seals

Cartridge seal with double mechanical face seals with oil compartment between the seals
Material lower seal: Tungsten carbide-Tungsten carbide
Material upper seal: Tungsten carbide-ceramic

Bearings

Ball bearing with C3 clearance

Discharge connection

2", Hose, ISO-G or NPT

Materials

Casted parts	Aluminium
Outer casing	Stainless steel
Stator housing	Stainless steel
Motor shaft	Stainless steel
Impeller	High chrome alloyed white cast iron
Suction cover	High chrome cast iron
Diffusers	Nitrile rubber
Screws and nuts	Stainless steel
O-rings	Nitrile rubber

Accessories

Zink anodes
Float switch (only 1-phase)

Limitations

Max. submersion depth: 20 m
Max. liquid temperature: 40°C
Max. liquid density: 1100 kg/m³
pH of the liquid: 5-8