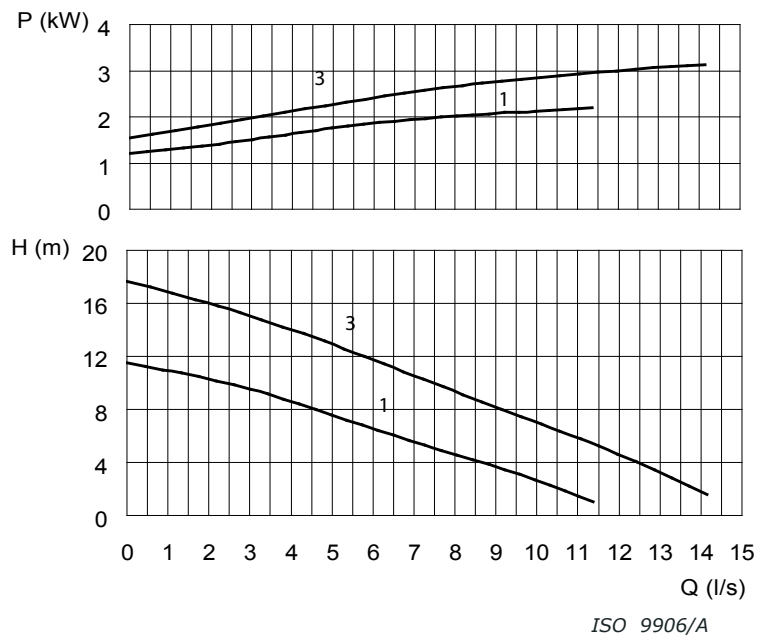
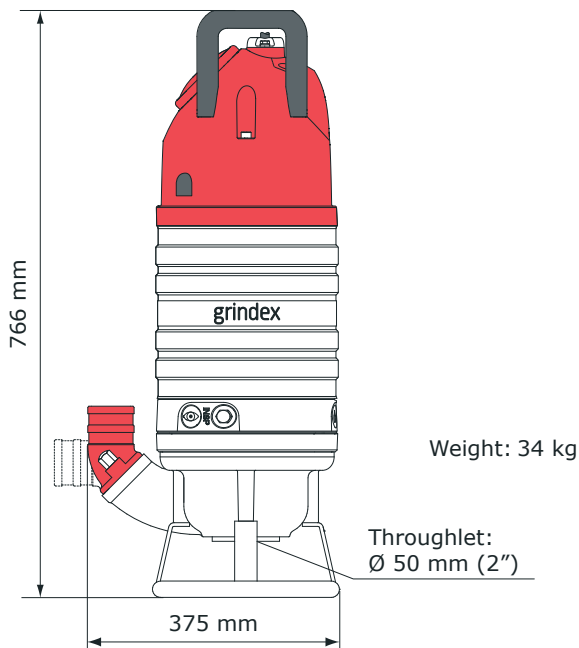


# SALVADOR

## Electrical submersible sludge 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	3420	3410
Rated output	kW	1.8	2.6
Max. power cons.	kW	2.2	3.1
Rated current A at	230 V	9.9	
	460V		4.7
	575V		3.6

*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 thermal contacts in the stator opening temp 125°C, (= SMART-system), airvalve

### Power cable-SUBCAB

1-phase: 3G1,5mm<sup>2</sup>, lenght 20m  
14AWG/3, lenght 16m  
3-phase: 4G1,5mm<sup>2</sup>, lenght 20m  
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

3", 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
Pump housing	Aluminium/Polyurethane
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/m<sup>3</sup>  
pH of the liquid: 5-8

Specifications can be changed without notice.