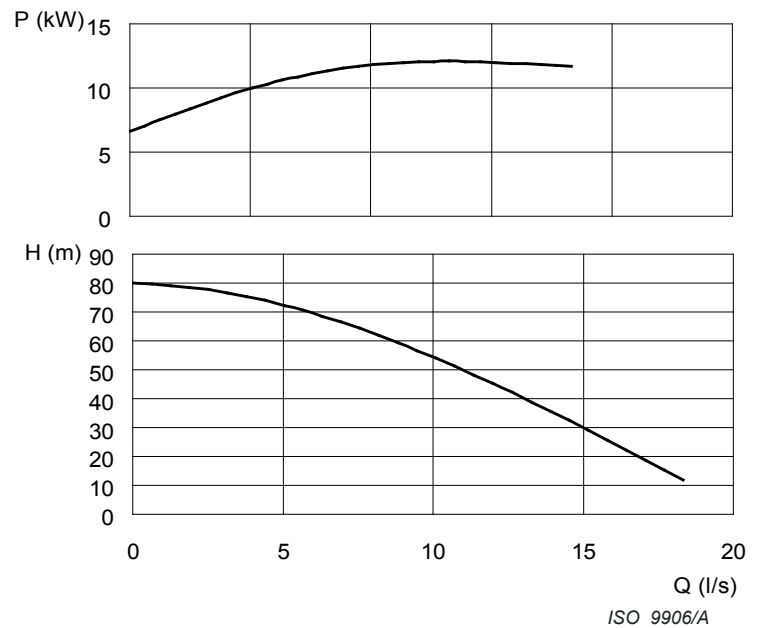
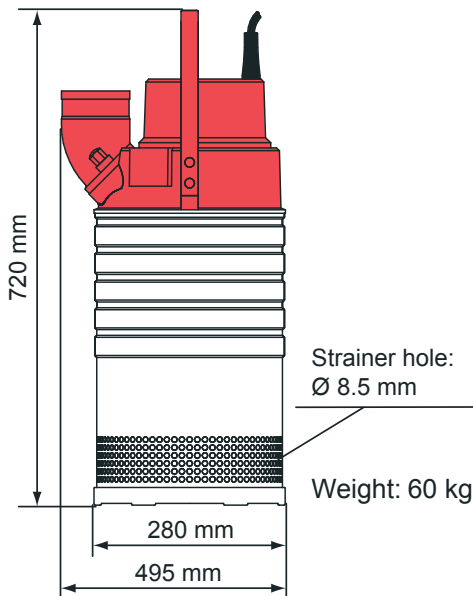


# MASTER SH

## Electrical submersible drainage pump



### Classification

Electrical submersible pump  
 Protection class: IP68  
 Max. submersion depth: 20 m

### Electrical motor

Squirrel cage induction motor  
 Insulation class: F (IEC 85)

### Technical data

Shaft speed	rpm	3440
Rated output	kW	10,5
Max. power cons.	kW	12
Rated current A at	230 V	33
	460 V	16
	575 V	13

*Other voltages on request*

### Motor protector

Phase sequence control, phase failure guard, temperature guard with thermal contacts in the stator (= SMART-system), airvalve, DOL or star/delta

### Power cable

SUBCAB, length 20 m  
 4G6 mm<sup>2</sup> or 10AWG/4 U = 230 V  
 4G2.5 mm<sup>2</sup> or 12AWG/4 U > 230 V

### Shaft seals

Double mechanical shaft seals with an oil compartment between the seals  
 Material lower seal: Silicon carbide - silicon carbide  
 Material upper seal: Carbon - silicon carbide

### Bearings

Lower: Double angular contact ball bearing with C3 clearance  
 Upper: Ball bearing with C3 clearance

### Discharge connections

3", Hose, ISO-G or NPT

### Materials

Casted parts	Aluminium
Outer casing	Stainless steel
Motor shaft	Stainless steel
Impeller	Cr-alloyed white cast iron
Screws and nuts	Stainless steel
Diffusers	Polyurethane or nitrile rubber

### Accessories

Tandem connection  
 Low suction collar  
 Zinc anodes  
 Float switch

### 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