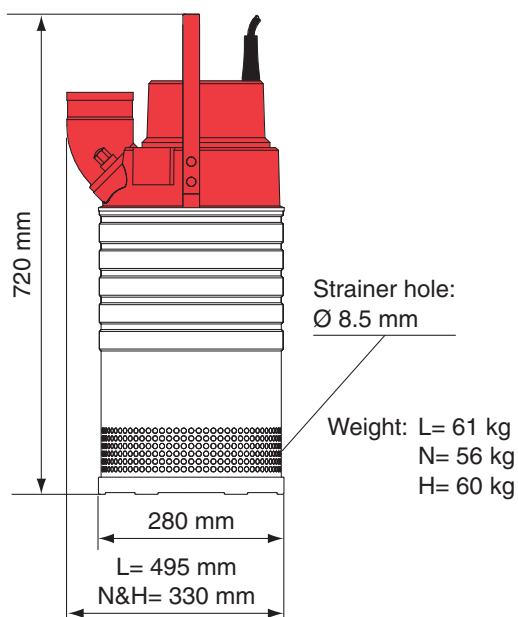
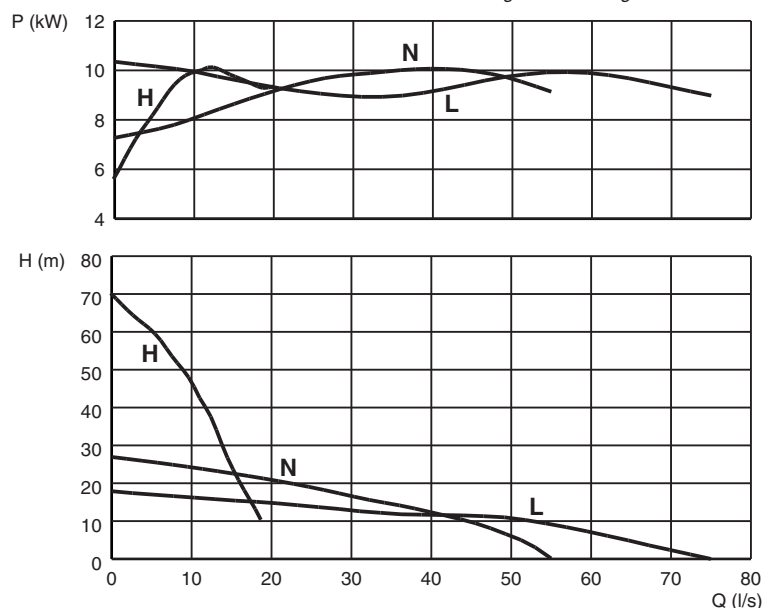


**MASTER***Electrical submersible drainage pump**50 Hz*[www.grindex.com](http://www.grindex.com)**PROLINE**

The curves have been designed according to ISO 2548C

**Pump types**

N: Normal pressure  
 H: High pressure, two stage  
 L: High flow

**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	r.p.m.	2800
Rated output	kW	8.0
Max. power cons.	kW	10
Rated current A at	230 V	27
	400 V	16
	500 V	13

*Other voltages on request*

**Motor protector**

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

**Power cable**

H07RN-F, length 20 m  
 4x6 mm<sup>2</sup>, U = 230 V  
 4x2.5 mm<sup>2</sup>, U > 230 V

**Shaft seals**

Double mechanical face 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**

Hose, BSP or NPT  
 N: 4"  
 H: 3"  
 L: 6"

**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

*Specifications can be changed without notice.*