

# RL 8010, 50Hz

## Electric submersible pump

### Specifications

Portable electric submersible pump for dewatering of construction sites, mines, flooded areas etc. Designed for handling liquid with abrasive particles. Prot class IP68

### Pump Types

RL 8014 Medium head

### Electric Motor

3-phase: Squirrel cage induction motor.  
Insulation: Class F (+155C), IEC 85

Data	RL 8010	3~
Rated Output	kW	54
Rated Current A	380v	110
	415v	100
	500v	80
Shaft speed	rpm	1450

*Other voltage upon request*

### Motor Protection

Thermal switch in each winding (+135 degree C)

### Cable

Oil and wear resistant rubber cable type HO7RN-F  
2~: 20 m, 4 x 25mm<sup>2</sup>  
1~: 21 m, 2 x 1.5mm<sup>2</sup> for thermal switches

### Shaft Seal

Double mechanical seals with oil compartment.  
Primary seal: Tungsten carbide against ceramic seal.  
Secondary seal: Carbon seal against silicon carbide.  
Available in a complete seal pack or as separate items.

### Bearings

Upper: Ball bearings with C3 clearance  
Lower: Dual ball bearings with C3 clearance

### Materials

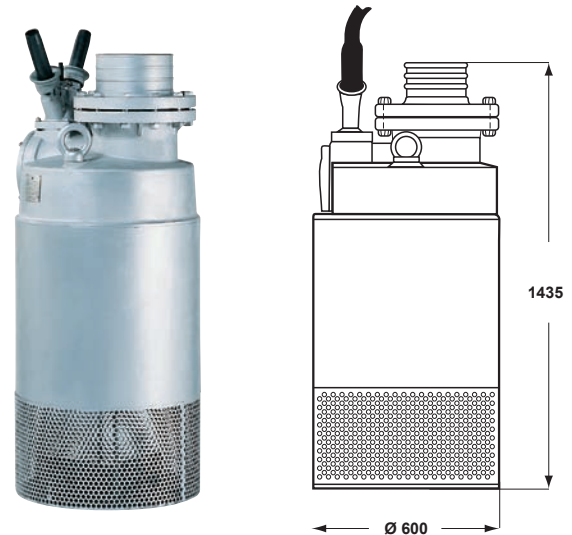
Castings: Aluminium  
Outer-casing: Galvanized steel  
Shaft: Stainless steel  
Fasteners: Stainless steel  
Impeller: Cr-alloyed white cast iron, 55Rc  
Wear parts: Natural rubber

### Discharge connection

10" for hose, BSP or NPT

### Accessories

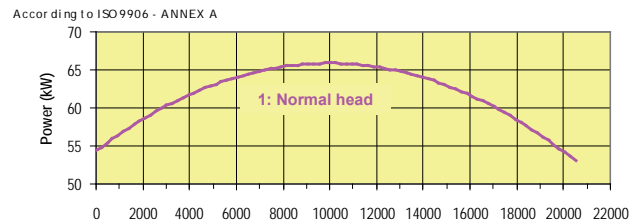
External Y/D or DOL starter  
Zinc anodes  
NVB automatic level control  
Float switches



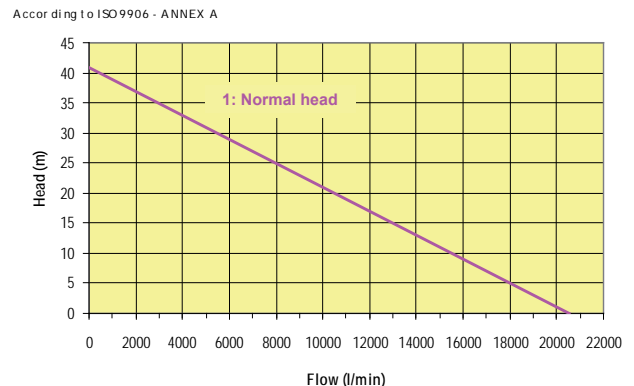
Weight: 510 kg

Dimensions (mm).

### Power (kW)



### Flow Chart



### Features

Robust design  
User friendly  
Wear resistant wet end in CR-alloy steel and natural rubber  
Adjustable wear parts  
Complete instant service pack for easy and fast service  
Easy installation

### Designed for:

Heavy duty pumping of abrasive liquids  
Max submersible depth of 20m  
Max temperature of liquid +40C  
Max density of liquid, 1.100kg/m<sup>3</sup>  
pH of the liquid between 5-8  
For special applications contact Weda pump

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