

# RL 6090, 50Hz

## Electric submersible pump

### Specifications

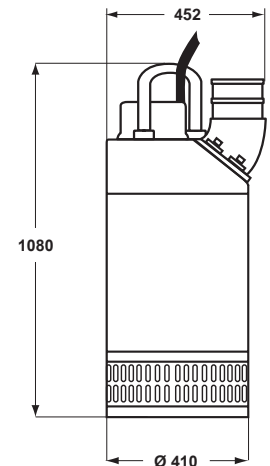
Portable electric submersible pump for dewatering of construction sites, mines, flooded areas etc. Designed for handling liquid with abrasive particles. Prot class IP68

### Pump Types

RL 6092 Low head/high volume  
RL 6096 High head

### Electric Motor

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



Data		RL 6092	RL 6096
Rated Output	kW	26.5	26.5
Rated Current A	230v	82	82
	400v	46	46
	500v	38	38
Shaft speed	rpm	2900	2900

*Other voltage upon request*

### Motor Protection

Thermal switch in each winding (+135 degree C)

### Cable

Oil and wear resistant rubber cable type HO7RN-F  
500v, 20m 4x10mm<sup>2</sup>  
400v, 20m 4x16mm<sup>2</sup>  
230v, 20m 4x25mm<sup>2</sup>

### Shaft Seal

Double mechanical seals with oil compartment.  
Primary seal: Tungsten carbide against ceramic seal  
Secondary seal: Carbon against ceramic seal  
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

6" std for RL 6092, 4" std for RL 6096, for hose, BSP or NPT

### Accessories

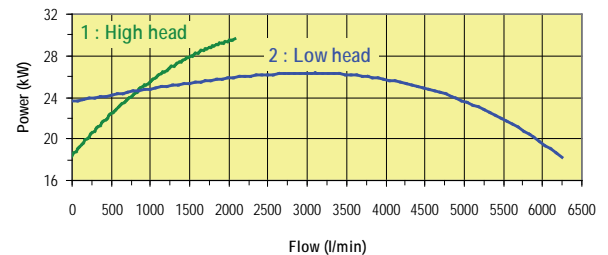
Built-in Y/D starter  
Zinc anodes  
NVB automatic level control (RL 6092 only)  
Epoxy coating  
Float switch

Weight: 180 kg

Dimensions (mm).

### Power (kW)

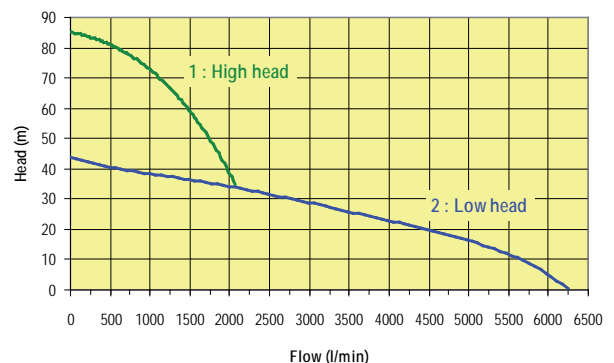
According to ISO 9906 - ANNEX A



### Flow Chart

Curve Head x Flow

According to ISO 9906 - ANNEX A



### Features

Robust design  
User friendly  
Wear resistant wet end in CR-alloy steel and natural rubber  
Adjustable wear parts  
Complete seal pack for easy and fast service  
Built-in contactor for DOL start  
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



# RL 6090, 60Hz

## 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 6093 Low head/high volume  
RL 6097 High head

### Electric Motor

3-phase: Squirrel cage induction motor with built-in contactor.  
Insulation: Class F (+311F), IEC 85

Data		RL 6093	RL 6097
Rated Output	hp	43	43
Rated Current A	460v	46	46
Shaft speed	rpm	3550	3550

*Other voltage upon request*

### Motor Protection

Thermal switch in each winding (+266 degree F)

### Cable

Oil and wear resistant rubber cable  
65ft 4xAWG 8

### Shaft Seal

Double mechanical seals with oil compartment.  
Primary seal: Tungsten carbide against ceramic seal  
Secondary seal: Carbon against ceramic seal  
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

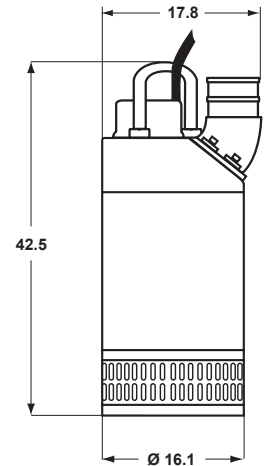
### Discharge connection

6" std for RL 6093, 4" std for RL 6097, for hose BSP or NPT

### Accessories

Built-in Y/D starter  
Zinc anodes  
NVB automatic level control (RL 6093 DOL only)  
Epoxy coating  
Float switch

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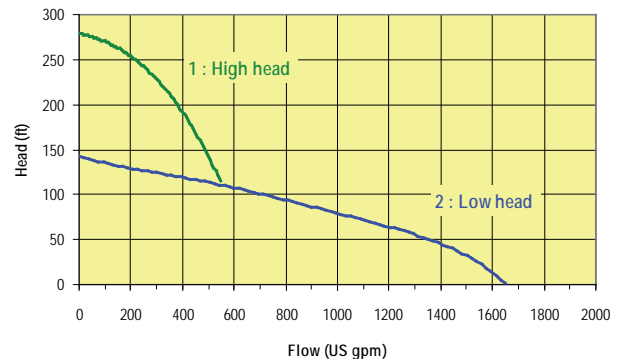


Weight: 397 lbs

Dimensions (in).

### Flow Chart

According to ISO 9906 - ANNEX A



### Features

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

### Designed for:

Heavy duty pumping of abrasive liquids  
Max submersible depth of 66ft  
Max temperature of liquid +104F  
Max density of liquid, 68lbs/ft<sup>3</sup>  
pH of the liquid between 5-8  
For special applications contact Weda pump

