

# Product Reference

## WEDA 90 (50 Hz)

### 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

WEDA 90L Low head/high volume  
WEDA 90H High head

### Electric Motor

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

Data		WEDA 90L	WEDA 90H
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 (+130 degree C)

### Cable

Oil and wear resistant rubber cable type HO7RN-F  
500v, 20m 4 x 10 mm<sup>2</sup>  
400v, 20m 4 x 16 mm<sup>2</sup>  
230v, 20m 4 x 25 mm<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 WEDA90L, 4" std for WEDA90H, for hose, BSP or NPT

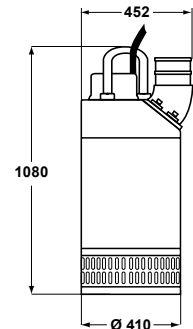
### Accessories

- Built-in Y/D starter
- Zinc anodes
- NVB automatic level control (WEDA 93/95 DOL only)
- Epoxy coating
- Float switch

### Electric submersible pump

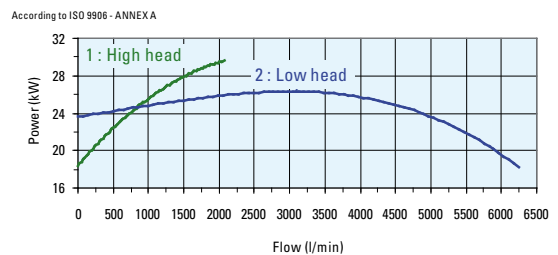


Weight: 180 kg

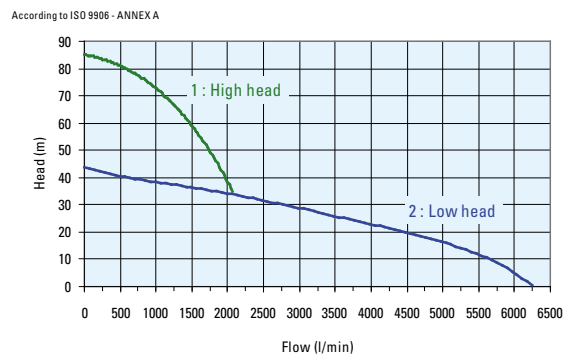


Dimensions (mm)

### Power (kW)



### Flow Chart



### Features

- Robust design
- User friendly
- Wear resistant wet end in CR-alloy steel and natural rubber
- Adjustable wear parts
- Complete 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