

# WEDA 50, 50Hz

## Electric submersible pump

### Specifications

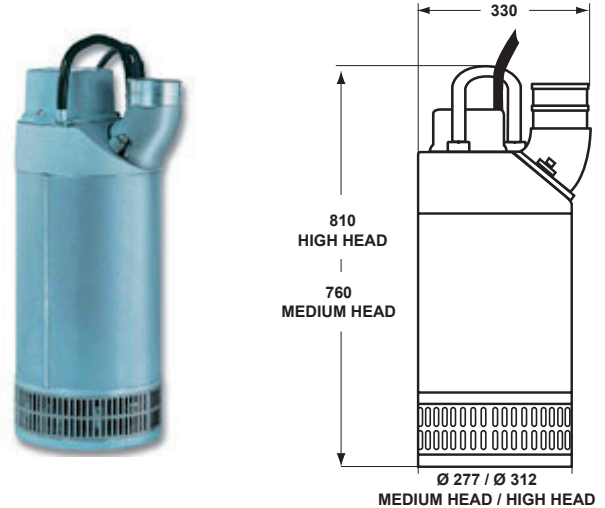
Portable electric submersible pump for dewatering of construction sites, mines, flooded areas etc. Designed for handling liquid with abrasive particles. Prot class IP68

### Pump Types

WEDA 50L Low head/high volume  
 WEDA 50N Medium head  
 WEDA 50H High head

### Electric Motor

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

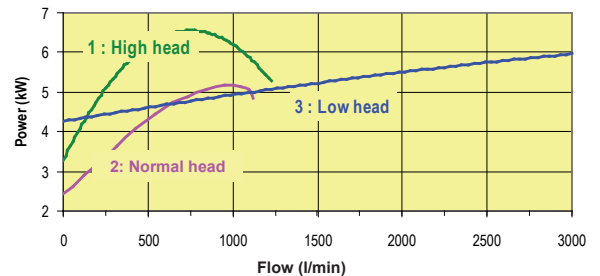


Weight: WEDA50L/N 55 kg  
 WEDA50H 63 kg

Dimensions (mm).

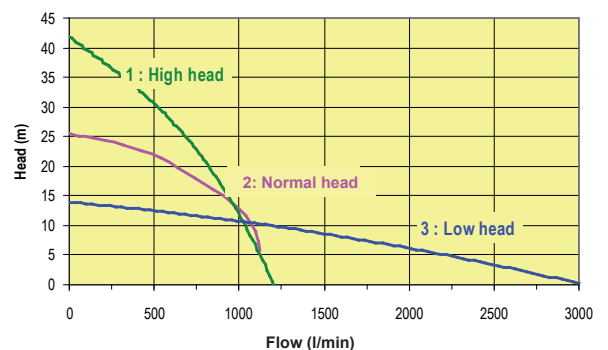
### Power (kW)

According to ISO 9906 - ANNEX A



### Flow Chart

According to ISO 9906 - ANNEX A



### Features

- Robust design
- Lightweight and 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
- Built-in contactor
- 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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Data		WEDA50L	WEDA50N	WEDA50H
Rated Output	kW	4.7	4.7	4.7
Rated Current A	230v	16	16	16
	400v	8.5	8.5	8.5
	500v	7.0	7.0	
Shaft speed	rpm	2900	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  
 230v, 20m 4x4mm<sup>2</sup>  
 400v, 20m 4x2.5mm<sup>2</sup>

### Shaft Seal

Primary seal: Silicon carbide against silicon carbide.  
 Secondary seal: Carbon against ceramic  
 Available in a complete instant service pack or as separate items

### Bearings

Single-row ball bearing with C3 clearance

### Materials

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

### Discharge connection

4" std for WEDA50L and WEDA50N,  
 3" std for WEDA50H, for hose, BSP or NPT

### Accessories

- Float switch
- Zinc anodes
- Epoxy coating

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