

# Product Reference WEDA 50 (60 Hz)

## 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 (+311F), IEC 85

Data		WEDA 50N	WEDA 50L	WEDA 50H
Rated Output	hp	8.0	8.0	9.0
Rated Current A	230v	19.0	15.2	14.5
	460v	10.0	8.5	14.5
Shaft speed	rpm	3550	3550	3550

Other voltage upon request

### Motor Protection

Thermal switch in each winding (+266 degree F)

### Cable

Oil and wear resistant rubber cable  
65ft 4 x AWG 16

### Shaft Seal

Double mechanical seals with oil compartment  
Primary seal: Silicon carbide against silicon carbide.  
Secondary seal: Silicon carbide against silicon carbide.  
Available in a complete instant service pack or as separate items

### Bearings

Single-row ball bearing with C3 clearance.

### Materials

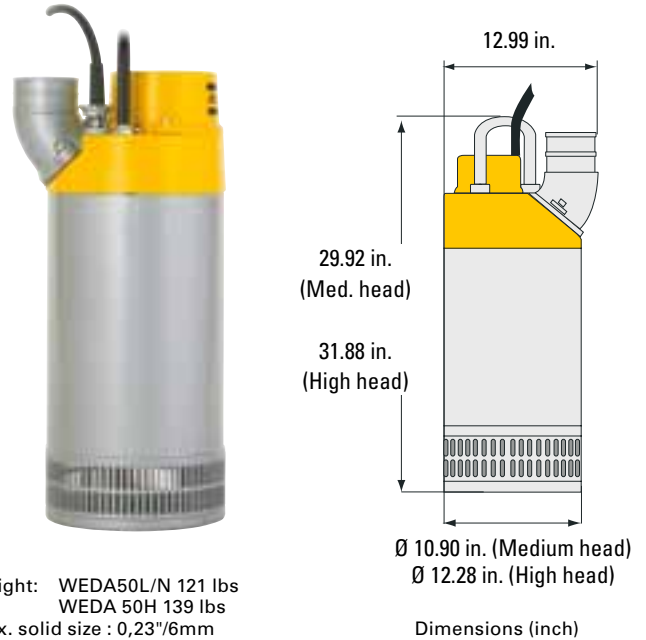
Castings: Aluminium  
Outer-casing: Aluminium  
Shaft: Stainless steel  
Fasteners: Stainless steel  
Impeller: Cr-alloyed white cast iron, 55Rc  
Wear parts: Natural rubber

### Discharge connection

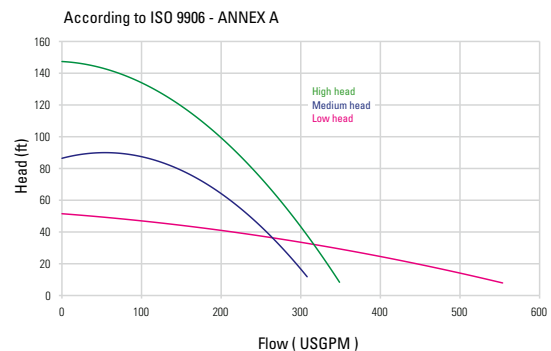
4" NPT std, for WEDA 50L and WEDA 50N,  
3" NPT std for WEDA 50H,opt hose or BSP

### Accessories

- NVB automatic level control (WEDA 50 L&N only)
- Float switch
- Zinc anodes
- Epoxy coating



### Flow Chart



### 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 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.

