

# Product Reference WEDA 50+ (60 Hz)

## Specifications

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

## Pump Types

WEDA 50N+ Normal head  
WEDA 50H+ High head

## Electric Motor

3-phase: Squirrel cage induction motor with built-in contactor. Insulation: Class F (+311F/+155C), IEC 85.

Data		WEDA 50N+	WEDA 50H+
Rated output	hp	8.5	8.5
Rated current A	230V	17.9	17.9
	380V	10.8	10.8
	460V	8.9	8.9
	575V	7.1	7.1
Shaft speed	rpm	3460	3460
Max power input	kW	7.5	7.5

## Motor Protection

Rotation control relay with phase failure protection.  
Thermal switch in each winding (+284 Degree F/+140 degree C).

## Cable

Oil and wear resistant rubber cable.  
230v, 65ft 4AWG10 or 20m 4x4mm<sup>2</sup> (H07RN-F)  
380v, 65ft 4AWG10 or 20m 4x4mm<sup>2</sup> (H07RN-F)  
460v, 65ft 4AWG10 or 20m 2.5mm<sup>2</sup> (H07RN-F)  
575v, 65ft 4AWG12 or 20m 2.5mm<sup>2</sup> (H07RN-F)

## Shaft Seal

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

Double-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 +/- 5  
Wear parts: NBR rubber

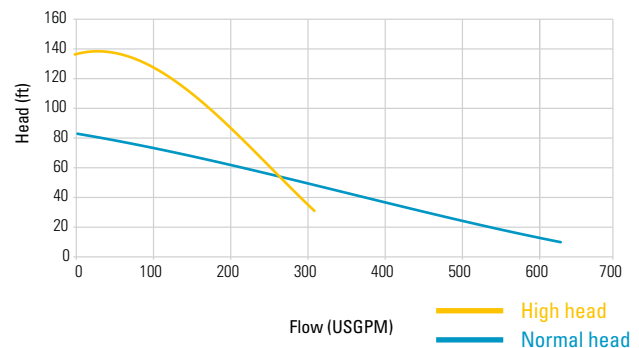
## Discharge connection

4" std for WEDA 50N+  
3" std for WEDA 50H+  
For hose, NPT or BSP



Weight and dimensions		Normal head	High head
Weight	lbs	115	115
Length	in	28.3	28.3
Width	in	13	11.9
Circumference	in	10.9	10.9

## Flow Chart



## Accessories

- Float switch
- Zinc anodes
- Epoxy coating

## Designed for

- Heavy duty pumping of abrasive liquids
- Max submersible depth of 66ft (20m)
- Max temperature of liquid +104°F (+40°C)
- Max density of liquid, 68lbs/ft<sup>3</sup> (1100kg/m<sup>3</sup>)
- pH of the liquid between 5-8
- For special applications, contact your local representative

**Atlas Copco**