

Product Reference WEDA 50+ (50 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 50+ Normal head
WEDA 50+ High head

Electric Motor

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

Data		WEDA 50+ NH	WEDA 50+ HH
Rated output	kW	5,6	5,6
Rated current A	230V	19,3	19,3
	400V	11,1	11,1
	500V	8,6	8,6
Shaft speed	rpm	2880	2880
Max power input	kW	6,6	6,6

Motor Protection

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

Cable

Oil and wear resistant rubber cable type HO7RN-F.
230v, 20m 4 x 4mm²
400v, 20m 4 x 2,5mm²
500v, 20m 4 x 2,5mm²

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

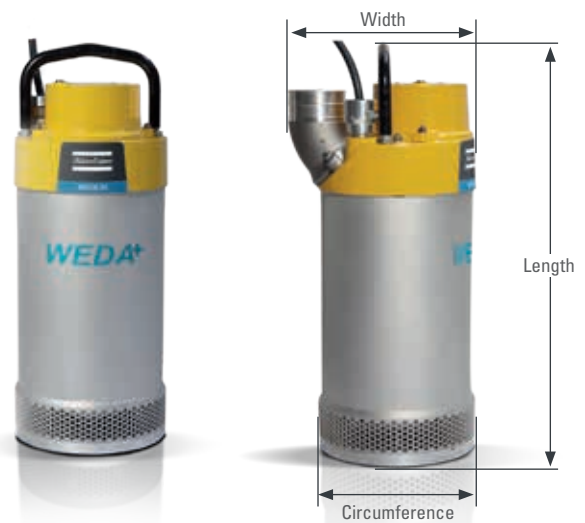
Double-row ball bearing with C3 clearance.

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

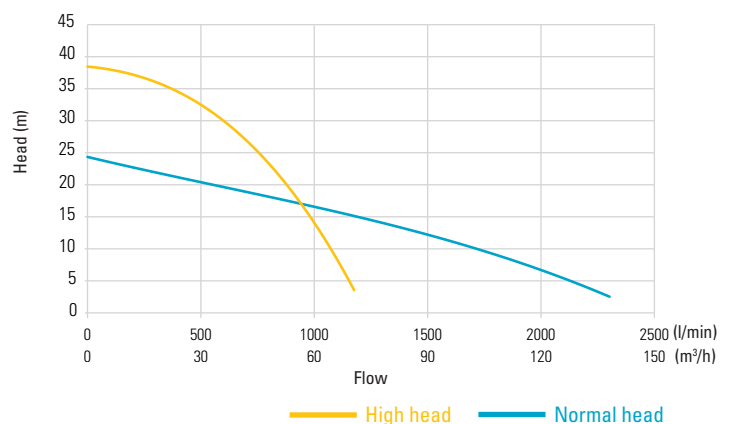
4" std for WEDA 50+ NH
3" std for WEDA 50+ HH
For hose, BSP or NPT



Weight and dimensions		Normal head	High head
Weight	kg	55	55
Length	mm	720	720
Width	mm	330	302
Circumference	mm	278	278

Max solid handling size 8mm

Flow Chart



Accessories

- Float switch
- Zinc anodes
- Epoxy coating

Designed for

- Heavy duty pumping of abrasive liquids
- Max submersible depth of 20m
- Max temperature of liquid +40°C
- Max density of liquid, 1100kg/m³
- pH of the liquid between 5-8
- For special applications, contact your local representative

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