

Product Reference WEDA 50 (50 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 (+155C), IEC 85

Data		WEDA 50L	WEDA 50N	WEDA 50H
Rated Output	kW	4.7	4.7	4.7
Rated Current A	230v	16.0	16.0	16.0
	400v	9.8	10.0	14.4
	500v	7.0	8.1	10.8
Shaft speed	rpm	2900	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
230v, 20m 4 x 4mm²
400v, 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

Single-row ball bearing with C3 clearance.

Materials

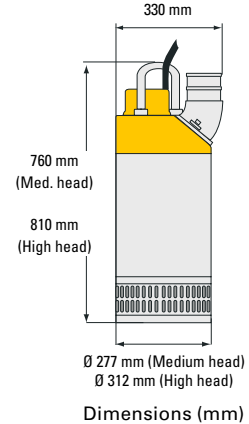
Castings: Aluminium
Outer-casing: Aluminium
Shaft: Stainless steel
Fasteners: Stainless steel
Impeller: Cr-alloyed white cast iron, 55Rc
Wear parts: Nitrile rubber

Discharge connection

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

Accessories

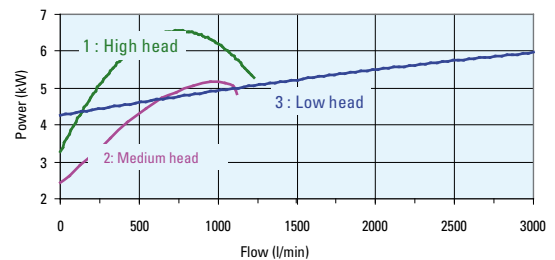
- Float switch
- Zinc anodes
- Epoxy coating
- NVB automatic level control



Weight: WEDA50L/N 55 kg
WEDA 50H 63 kg
Max. solid size : 6mm

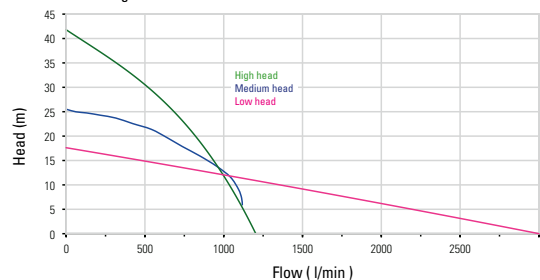
Power (kW)

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/m³
- pH of the liquid between 5-8.
- For special applications contact Weda pump.