

Product Reference WEDA 90 (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 90L Low head/high volume
WEDA 90H High head

Electric Motor

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

Data		WEDA 90L	WEDA 90H
Rated Output	kW	26.5	26.5
Rated Current A	230 V	82	82
	400 V	46	46
	500 V	38	38
Shaft speed	rpm	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
500 V, 20 m 4 x 10 mm²
400 V, 20 m 4 x 16 mm²
230 V, 20 m 4 x 25 mm²

Shaft Seal

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

Bearings

Upper: Ball bearings with C3 clearance
Lower: Dual ball bearings with C3 clearance

Materials

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

Discharge connection

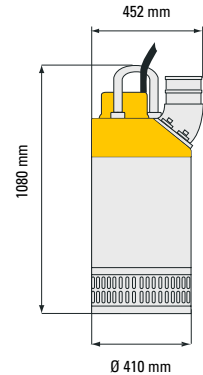
6" std for WEDA90L, 4" std for WEDA90H, for hose, BSP or NPT

Accessories

- Built-in Y/D starter
- Zinc anodes
- NVB automatic level control
- Epoxy coating
- Float switch



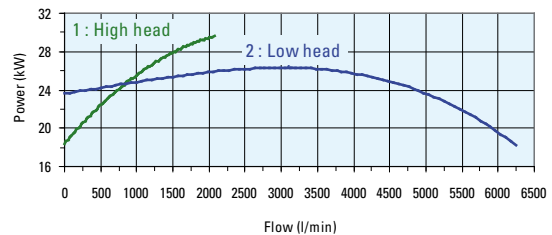
Weight: 180 kg
Max. solid size : 7 mm



Dimensions (mm)

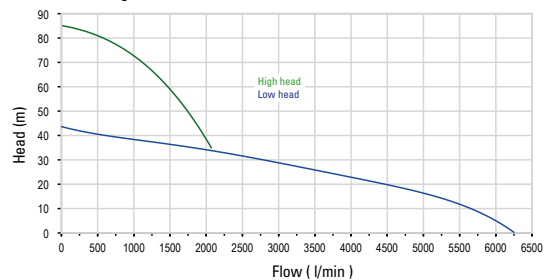
Power (kW)

According to ISO 9906 - ANNEX A



Flow Chart

According to ISO 9906 - ANNEX A



Features

- Robust design
- User friendly
- Wear resistant wet end in CR-alloy steel and natural rubber
- Adjustable wear parts
- Complete seal pack for easy and fast service
- Built-in contactor for DOL start
- 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

