

Product Reference WEDA 100 (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 100 Medium head

Electric Motor

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

Data	WEDA 100	3~
Rated Output	kW	54
Rated Current A	400v	110
	500v	80
Shaft speed	rpm	1450

Other voltage upon request

Motor Protection

Thermal switch in each winding (+130 degree C)

Cable

Oil and wear resistant rubber cable type HO7RN-F
2~: 20 m, 4 x 25 mm²
1~: 21 m, 2 x 1.5 mm² for thermal switches

Shaft Seal

Primary seal: Tungsten carbide against ceramic seal.
Secondary seal: Carbon seal 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

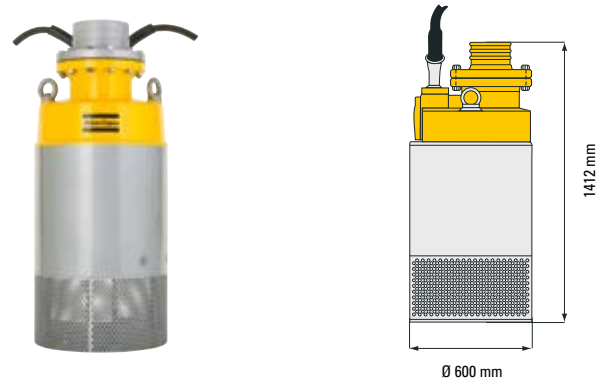
Castings: Aluminium
Outer-casing: Galvanized steel
Shaft: Stainless steel
Fasteners: Stainless steel
Impeller: Cr-alloyed white cast iron, 55Rc
Wear parts: Natural rubber

Discharge connection

10" for hose, BSP or NPT

Accessories

- External Y/D or DOL starter
- Zinc anodes
- Float switches

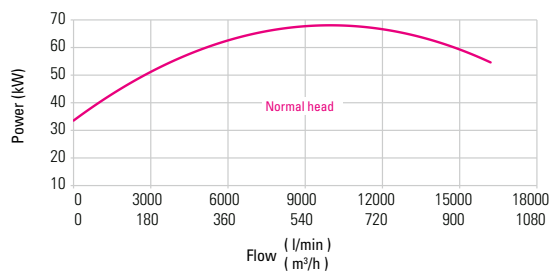


Weight: 510 kg
Max. solid size : 12mm

Dimensions (mm)

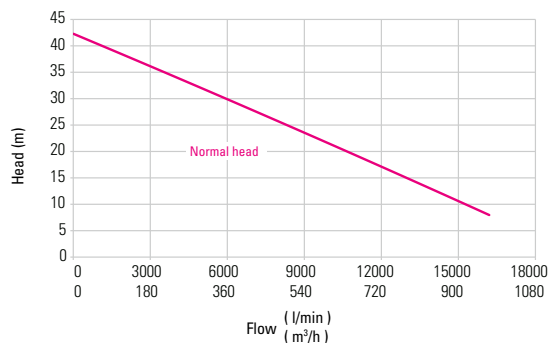
Power (kW)

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 instant service pack for easy and fast service
- 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