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 10 Medium head, single-phase or 3-phase

Electric Motor

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

Data	WEDA 10	1~	3~
Rated Output	kW	1.0	1.0
Rated Current A	110v	13.0	
	230v	6.4	
	400v		2.0
	500v		1.8
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
1~: 15m 3 x 1.5 mm² (230v)
     15m 3 x 2.5 mm² (110v)
3~: 15m 4 x 1.5 mm²

Shaft Seal

Primary and secondary grease lubricated lip seals against wear sleeve of tungsten carbide. Available in a complete seal 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
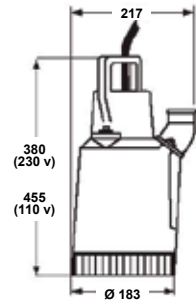Wear parts: Nitrile rubber

Discharge connection

2" std, 1,5" opt, hose, BSP or NPT 1.5"

Accessories

- Low suction collar
- Float switch
- Zinc anodes
- Epoxy coating
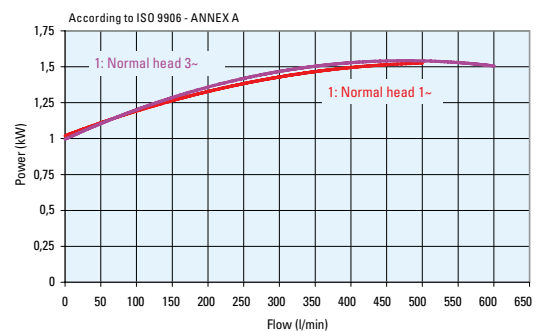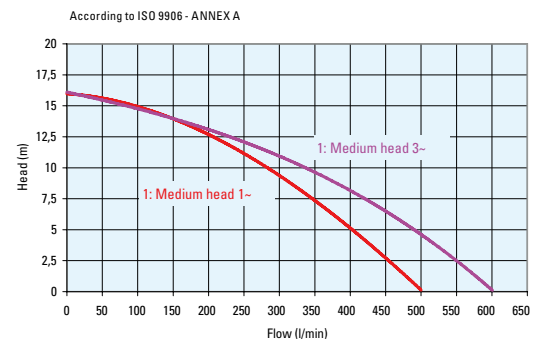- Stainless steel strainer
- Quick coupling type 1

Weight : 12.5 kg

Dimensions (mm)

Power (kW)

Flow Chart

Features

- Robust design
- Lightweight and 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 capacitor and 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.

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