

## 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    | 6.1  | 4.0  |
|                 | 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 mm<sup>2</sup> (230v)

15m 3 x 2.5 mm<sup>2</sup> (110v)

3~: 15m 4 x 1.5 mm<sup>2</sup>

### 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 |
| Wear parts:   | Nitrile rubber             |

### Discharge connection

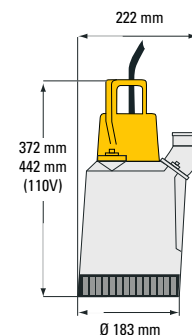
2" std, 1.5" opt, hose, BSP or NPT 1.5"

### Accessories

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



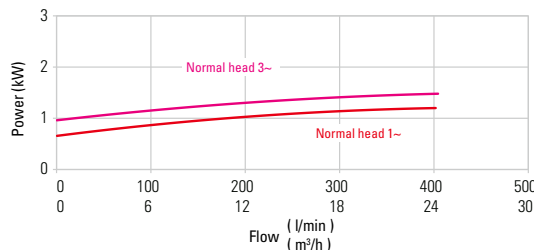
Weight : 12.5 kg  
Max. solid size : 4mm



Dimensions (mm)

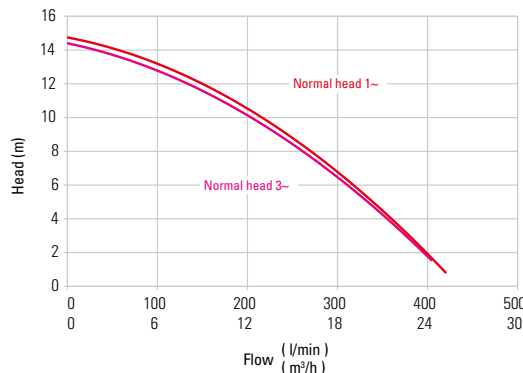
### Power (kW)

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 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/m<sup>3</sup>.
- pH of the liquid between 5-8.
- For special applications contact Weda pump.