

# Product Reference

## WEDA 60S (50 Hz)

### Electric submersible sludge pump

#### Specifications

Portable electric submersible sludge pump with a recessed vortex impeller. Designed for handling sludge and mud with particles up to 50mm. Prot class IP68

#### Pump Types

WEDA 60S Medium head sludge pump

#### Electric Motor

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

Data	WEDA 60S	3~
Rated Output	kW	7.5
Rated Current A	230v	26
	400v	16
	500v	13
Shaft speed	rpm	2900

Other voltage upon request

#### Motor Protection

Thermal switch in each winding (+130 degree C)

#### Cable

Oil and wear resistant rubber cable  
230v, 20m 4 x 4 mm<sup>2</sup>  
400v, 20m 7 x 2.5 mm<sup>2</sup>

#### Shaft Seal

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

#### Bearings

Single-row: deep groove ball bearings with C3 clearance

#### Materials

Castings: Aluminium  
Shaft: Stainless steel  
Fasteners: Stainless steel  
Impeller: Cr-alloyed white cast iron, 55Rc  
Pump housing: Cr-alloyed white cast iron

#### Discharge connection

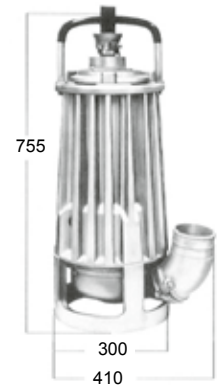
3" std, optional 4" for hose, BSP or NPT

#### Accessories

- DOL starter box  
400v p/n 470W209810  
500v p/n 470W209811
- Zinc anodes
- Epoxy coating



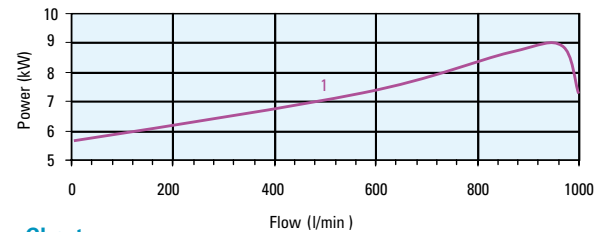
Weight: 70 kg



Dimensions (mm)

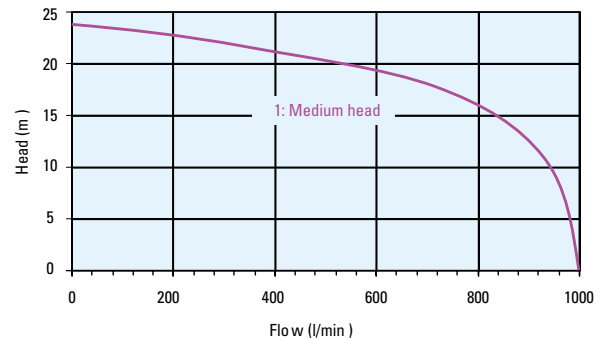
#### Power (kW)

According to ISO 9906 - ANNEX A



#### Flow Chart

According to ISO 9906 - ANNEX A



#### Features

- Robust design
- Lightweight and user friendly
- Clog free with a 50mm through let
- Allows dry running for a reasonable time
- Wear resistant wet end in CR-alloy steel
- Complete seal pack for easy and fast service
- Easy installation

#### Designed for

- Heavy duty pumping of sludge and mud
- 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

