# **WEDA 90** (50 Hz)

# **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	400 V	45	47
	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 mm<sup>2</sup> 400 V. 20 m 4 x 16 mm<sup>2</sup> 230 V, 20 m 4 x 25 mm<sup>2</sup>

## **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

# Electric submersible pump



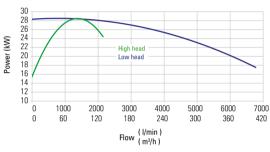
437 mm 058 Ø 401 mm

Weight: 180 kg Max. solid size: 7 mm

Dimensions (mm)

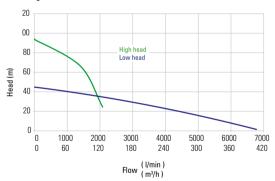
### Power (kW)

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

