

FLO-KWIP

ELECTRICAL SUBMERSIBLE PUMP

AR10 DATA SHEET

Specifications

Portable electrical submersible pump for dewatering of construction sites, mines, flooded areas etc. Designed for handling liquid with abrasive particles. Prot class IP68

Pump Types

AR10M: Medium head, Manual or Auto, Single Phase or 3 ph

Electrical Motor

Single-phase squirrel case 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: 50HZ | | 1~ | 3~ |
|-----------------|------|------|------|
| Rated output | kW | 1.0 | 1.0 |
| Rated Current A | 110v | 13.0 | |
| | 230v | 6.4 | 3.0 |
| | 400v | | 2.0 |
| | 500v | | 1.8 |
| Shaft speed | rpm | 2900 | 2900 |

Other voltage upon request

Motor Protection

Thermal switch in each winding (+135 degree C)

Cable

Oil and wear resistant rubber cable type HO7RN-F

1~: 15m 3x1.5mm² (230v)

15m 3x2.5mm² (110v)

3~: 15m 4x1.5mm²

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: | Natural rubber |

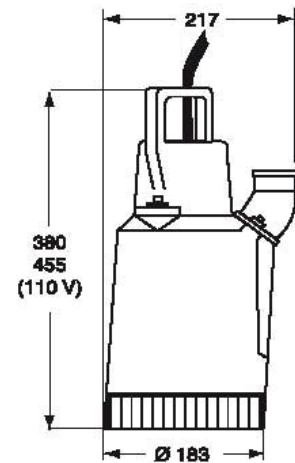
Discharge connection

Std: 2" Hose (-50H)

Options: 2" MSBP (-50T), 1.5" Hose (-40H) or 1.5" MBSP (-40T)

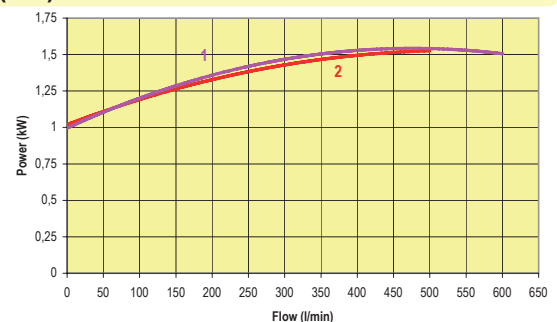
Accessories

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

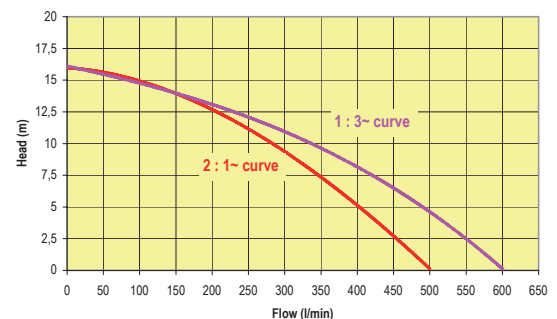


Weight: 12,5 kg

Power (kW) Electrical



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/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 distributor.