

FLO-KWIP

ELECTRICAL SUBMERSIBLE PUMP

AR47 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

AR47L: Low head/High volume, Auto or Manual, 3 ph
 AR47M: Medium head, Auto or Manual, 3 ph
 AR47H: High head, Auto or Manual, 3 ph

Electrical Motor

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

| Data: 50 HZ | | AR47L | AR47M | AR47H |
|-----------------|------|-------|-------|-------|
| Rated output | kW | 4.7 | 4.7 | 4.7 |
| Rated Current A | 230v | 16 | 16 | 16 |
| | 400v | 8.5 | 8.5 | 8.5 |
| | 500v | 7.0 | 7.0 | 7.0 |
| Shaft speed | rpm | 2900 | 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
 230v, 20m 4x4mm²
 400v, 20m 4x2.5mm²

Shaft Seal

Primary seal: Silicon carbide against silicon carbide.
 Secondary seal: Silicon carbide against silicon carbide.
 Available in a complete instant service pack or as separate items.

Bearings

Single-row ball bearing with C3 clearance

Materials

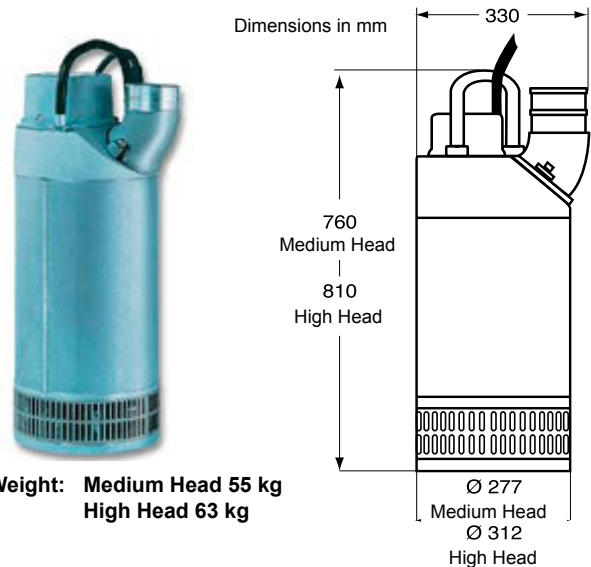
Castings: Aluminium
 Outer-casing: Aluminium
 Shaft: Stainless steel
 Fasteners: Stainless steel
 Impeller: Cr-alloyed white cast iron, 55Rc
 Wear parts: Natural rubber

Discharge connection

Std: AR47L & AR47M - 4" Hose (-100H)
 AR47M - 3" Hose (-75H)
 Options: 3" or 4", Hose or MBSP

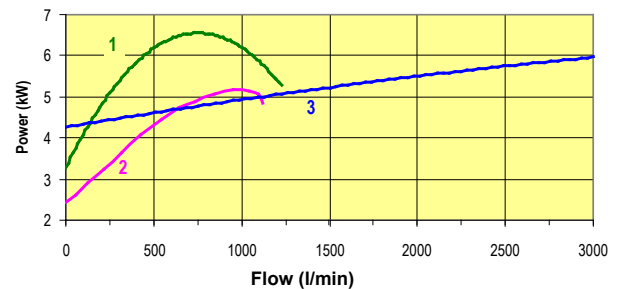
Accessories

Low suction collar
 Float switch
 Zinc anodes
 Epoxy coating



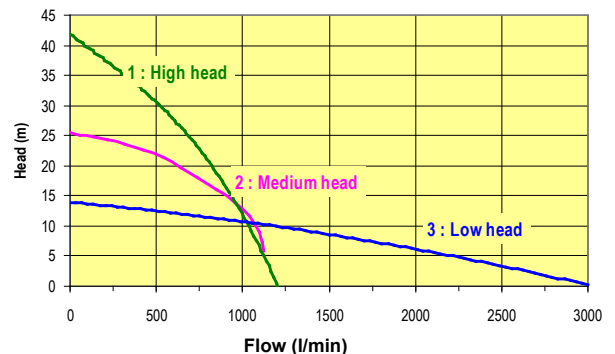
Power (kW) Electrical

According to ISO9906 - ANNEX A



Flow chart

According to ISO9906 - ANNEX A



Features

Robust design
 Lightweight and user friendly
 Wear resistant wet end in CR alloy steel and natural rubber
 Adjustable wear parts
 Complete instant service pack for easy and fast service
 Built-in 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.