

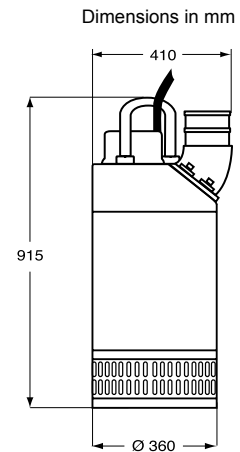
FLO-KWIP

ELECTRICAL SUBMERSIBLE PUMP

AR118 DATA SHEET



Weight: 95 kg



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

AR118L: Low head/High volume, Manual or Auto, 3 ph
AR118H: High head, Manual, 3 ph

Electrical Motor

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

Data: 50 HZ		AR118L	AR118H
Rated output	kW	11.8	11.8
Rated Current A	230v	40	40
	400v	23	23
	500v	18	18
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
230v, 20m 4x10mm²
400v+, 20m 4x4mm²

Shaft Seal

Double mechanical seals with oil compartment.
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

Upper: Ball bearings with C3 clearance
Lower: Dual ball bearings 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

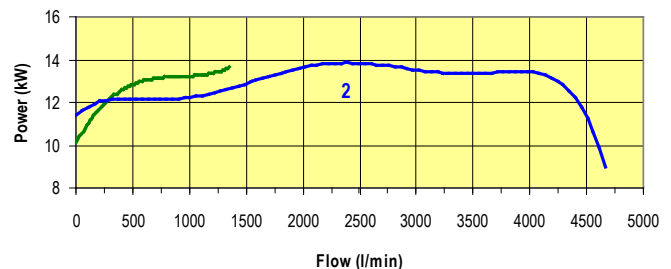
Std: ARL118L - 6" Hose (-150H), AR118H - 4" Hose (-100H)
Options: 4" or 6", Hose, BSP or NPT

Accessories

Built-in Y/D starter
Zinc anodes
Electronic auto level control (for AR118L only)
Epoxy coating
Float switches

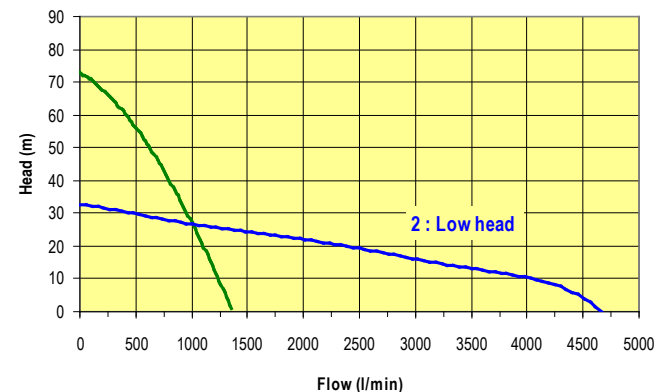
Power (kW) Electrical

According to ISO9906 - ANNEX A



Flow chart

According to ISO9906 - ANNEX A



Features

Robust design
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 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/m³.
pH of the liquid between 5-8.
For special applications contact distributor.