FLO-KWIP
ELECTRICAL SUBMERSIBLE PUMP

AR75 DATA SHEET

Weight **Medium Head: 55 kg**
High Head: 63 kg

Dimensions in mm
330
760 Medium Head
810 High Head
Ø 277 Medium Head
Ø 312 High Head

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

AR75M: Medium head, Manual or Auto, 3 ph
AR75H: 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		AR75M	AR75H
Rated output	kW	7.5	7.5
Rated Current A	230v	31	31
	400v	16	16
	500v	13	13
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 4x4mm2
400v+, 20m 4x2.5mm2

Shaft Seal

Primary seal: Silicon carbide against silicon carbide.
Secondary seal: Carbon/ceramic
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: AR75M - 4" Hose (-100H), AR75H - 3" Hose (-75H)
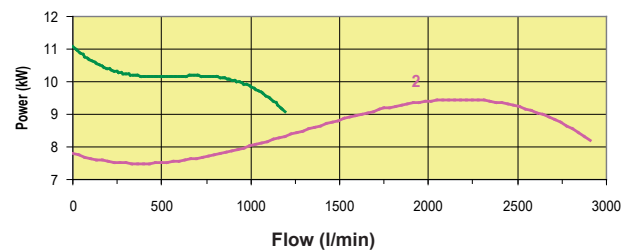Options: 3" or 4", Hose or BSP

Accessories

Low suction collar
Float switch
Zinc anodes
Electronic automatic level control (for AR75M only)
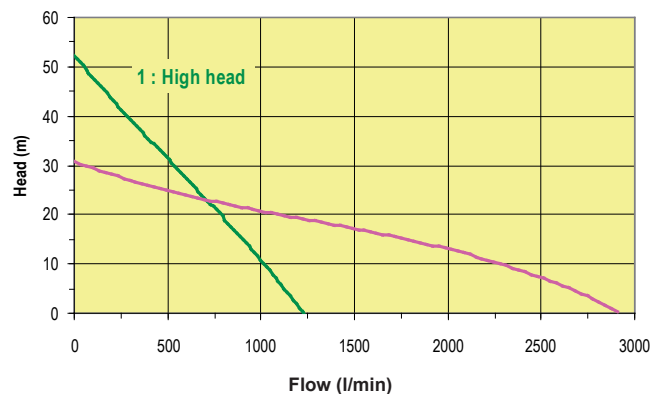Epoxy coating
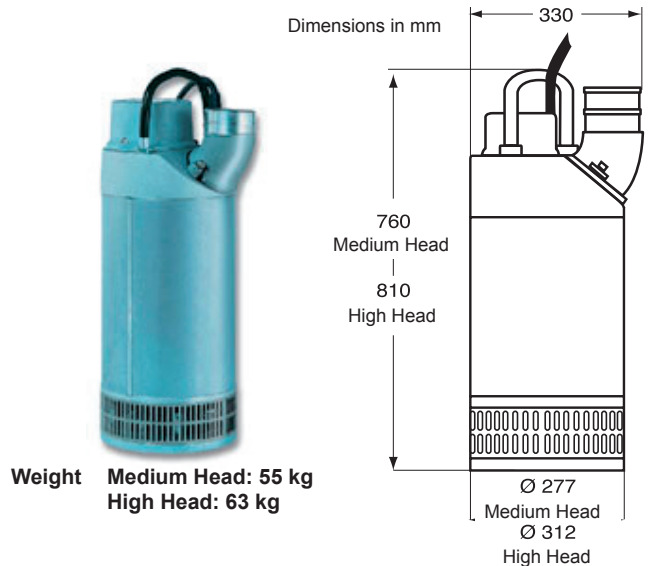
Power (kW) Electrical

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
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.