

FLO-KWIP

AR-V75

Electrical submersible Vortex sludge pump

Specifications

Portable electrical submersible sludge pump with a recessed Vortex impeller. Designed for handling sludge and mud with particles up to 50mm. Prot class IP68

Pump Types

AR-V75M: Medium head sludge pump

Electrical Motor

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

Data: 50Hz

AR-V75M

Rated output	kW	7.5
Rated Current A	230v	26
	400v	16
	500v	13
Shaft speed	rpm	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 7x2.5mm²

Shaft Seal

Double mechanical seals with oil compartment.
Primary seal: Silicon carbide against silicon carbide.
Secondary seal: Carbon against ceramic.
Available in a complete instant service pack or as separate items.

Bearings

Single-row: deep groove ball bearings with C3 clearance

Materials

Castings:	Aluminium
Shaft:	Stainless steel
Fasteners:	Stainless steel
Impeller:	Cr-alloyed white cast iron, 55Rc
Pump housing:	Cr-alloyed white cast iron

Discharge connection

Std: 3" Hose (-75H)
Options: 4" Hose (-100H)
3" or 4" BSP Threaded

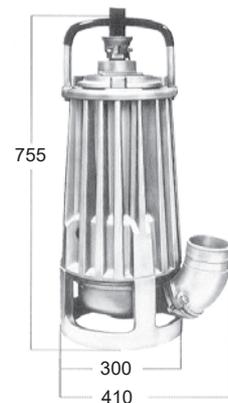
Accessories

DOL starter box
400v p/n W209810
500v p/n W209811

Zinc anodes
Epoxy coating

Rotassure Controller - Ensures correct rotation direction, provides phase failure and overload protection, includes DOL contactor/starter

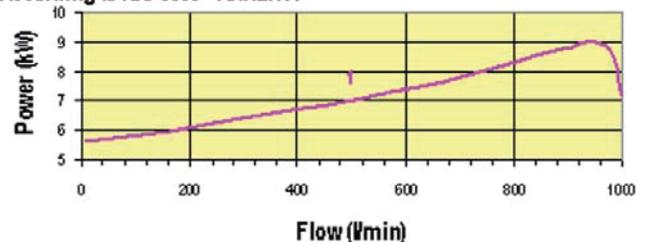
Dimensions in mm



Weight: 70 kg

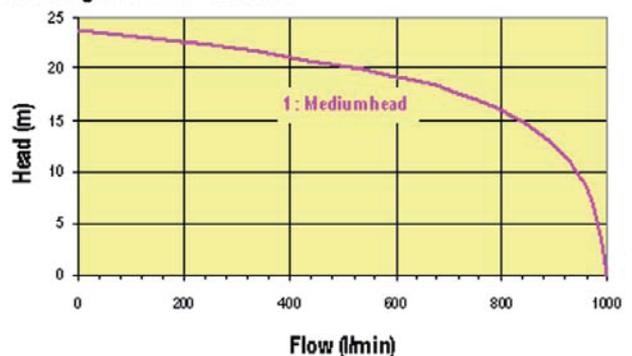
Power (kW) Electrical

According to ISO 9906 - ANNEX A



Flow chart

According to ISO 9906 - ANNEX A



Features

Robust design
Lightweight and user friendly
Clog free with a 50mm through let
Allows dry running for a reasonable time
Wear resistant wet end in CR alloy steel
Complete instant service pack for easy and fast service
Easy installation

Designed for:

Heavy duty pumping of sludge and mud.
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.