

FLO-KWIP

ELECTRICAL SUBMERSIBLE PUMP

AR20 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

AR20M: Medium head, Manual or Auto, single-phase or 3 ph
AR20L: Low head/High volume, Manual or Auto, single-phase or 3 ph

Electrical Motor

Single-phase squirrel cage 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: 50 HZ		1~	3~
Rated output	kW	2.0	2.0
Rated Current A	230v	12.0	7.3
	400v		4.2
	500v		3.5
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~: 20m 3x2.5mm²

3~: 20m 4x1.5mm²

Shaft Seal

Double seals with oil compartment

Primary seal: Silicon carbide against silicon carbide.

Secondary seal: Lip seal

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: 3" Hose (-75H)

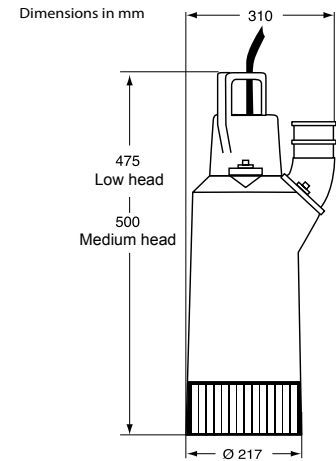
Options: 3" MBSP (-75T), 4" Hose (-100H) or 4" MBSP (-100T)

Accessories

Low suction collar
Float switch
Zinc anodes
Stainless steel strainer
Quick coupling type 1, 2.5"
Epoxy coating

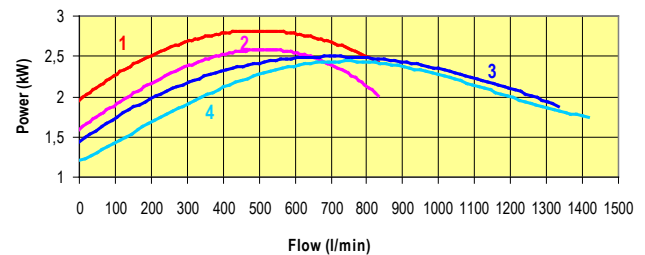


Weight: 20 kg



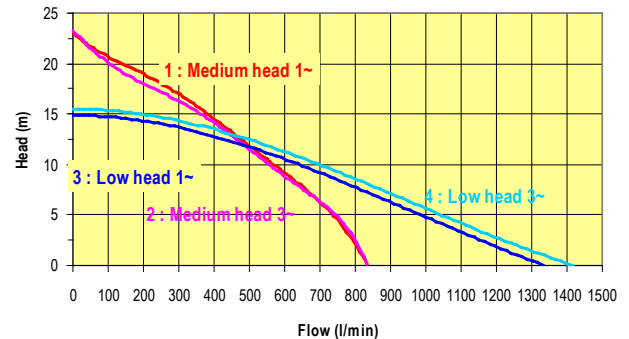
Power (kW) Electrical

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
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.