WELLS

AQUALIJU

submersible pump for wells

clean water

domestic use

Max Head 30 - 85m
Max Flow 3.9 - 23.4m³/h
Motor Power 0.37 - 3Kw
Discharge size G1F / G2F

DN 1" - **AJ** DN1" ¼ - **A**
DN 1" ½ - **AC** DN 2" - **AB**

KEY ADVANTAGES OF A AQUALIJU PUMP

APPLICATION

The Aqualiju series is suitable for use with clean water in domestic, civil and agricultural applications such as the distribution of water in combination with pressure sets, for the irrigation of gardens and allotments and for increasing pressure, etc..
The "Aqualiju SA" series is specially suitable for direct installation at the bottom of tanks thanks to the lower guide of the shaft, in Noryl, and the rubber feet on the bottom of the pump that reduce vibration.

INSTALLATION

Permanent or transportable. Model with float switch control for automatic pump operation, depending on liquid level. The combination of stainless steel for the turbines and glass fiber reinforced NORYL for broadcasters, provides excellent resistance to abrasion due to sand for maximum efficiency

MATERIALS

Double seals, lip seals and reinforced carbon ceramic mechanical seal. Pump casing, pump head and impellers in 304 stainless steel, 420 stainless steel shaft

PUMPED LIQUID

Clean water.
Max. liquid temperature: 35°C.
Max. sand contents: 60g/m3.

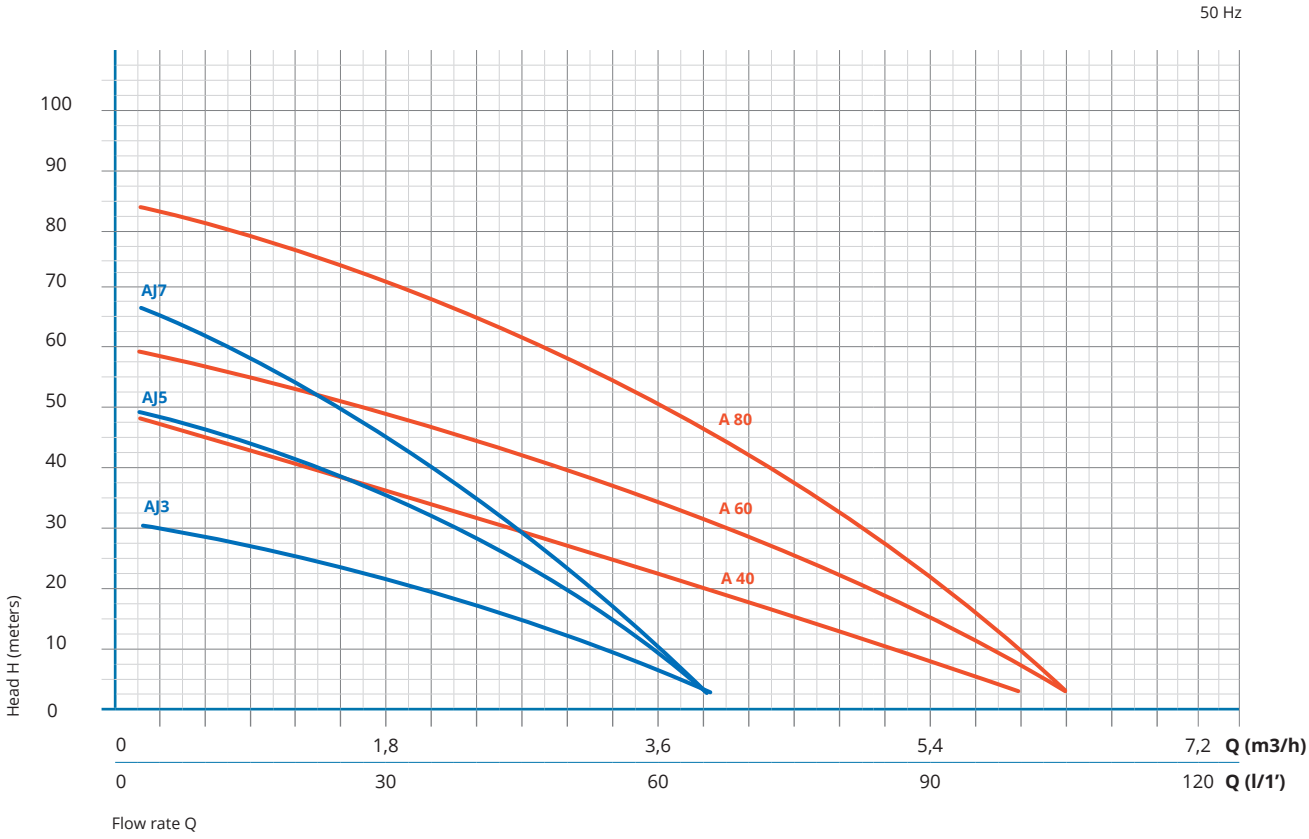
MOTOR

Engine oil immersed food, non-toxic, non-polluting. Externally cooled by the pumped liquid. Insulation class F. Motor protection IP68. Thermal sensors imbedded in the motor winding.

FEATURES

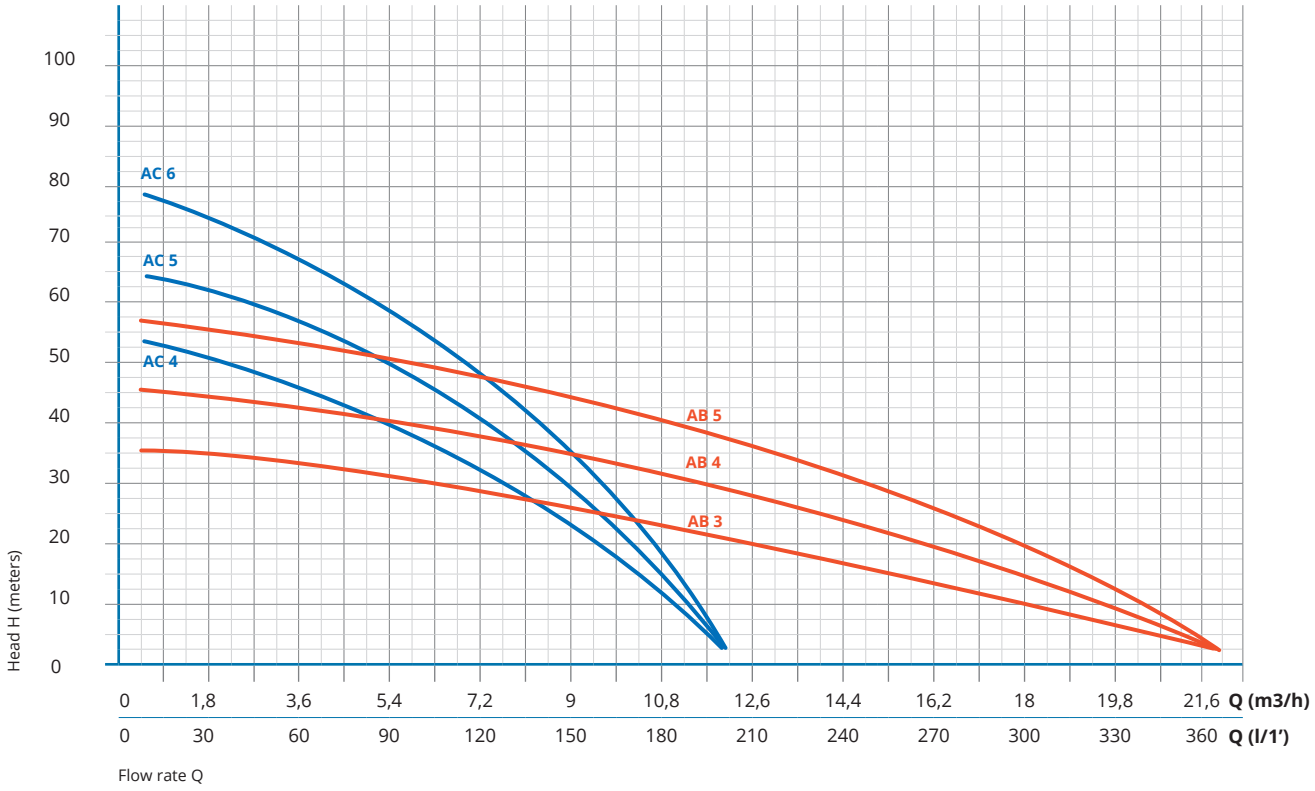
Power cable: 20 m neoprene.
Protection box in Aqualiju AB monophasic version
Immersion depth of 20 m.
Max. starts/hour: 30

CHARACTERISTIC CURVES AND PERFORMANCE DATA



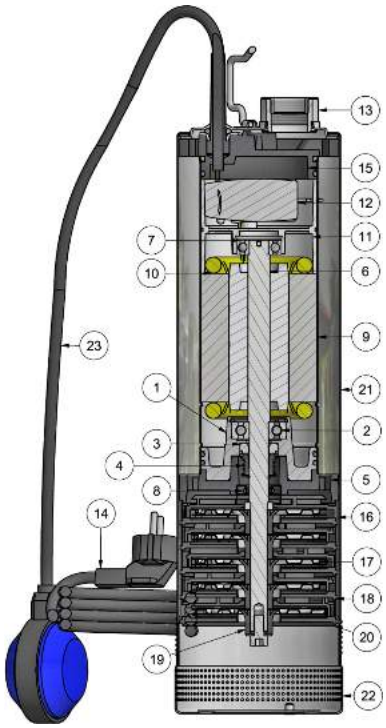
TYPE	POWER	MOTOR			PORT	Q m³/h	0	0,6	1,2	1,8	2,4	3	3,3	4,5	5,7	6	9	10,5	15	19,8
	kW	1~ A	1~ µF	3~ A	DN	l/min	**0**	**10**	**20**	**30**	**40**	**50**	**55**	**75**	**95**	**100**	**150**	**175**	**250**	**330**
AJ 3.37	0,37	2,6	12	1,2	1"	H - meters	30	28	25	21	16	11	8							
AJ 5.60	0,6	4,1	16	1,4			50	47	42	35	28	18	13							
AJ 7.90	0,9	5,8	20	2,1			67	63	54	44	34	22	15							
A 40.60	0,6	5,0	20	1,8	1"¼		47	44	41	37	33	29	26	15						
A 60.90	0,9	6,0	20	2,3			60	57	53	49	45	40	38	26						
A 80.130	1,3	8,4	30	3,0			85	82	77	72	66	59	55	37						

CHARACTERISTIC CURVES AND PERFORMANCE DATA



TYPE	POWER	MOTOR			PORT	Q m³/h	0	0,6	1,2	1,8	2,4	3	3,3	4,5	5,7	6	9	10,5	15	19,8
	kW	1~ A	1~ µF	3~ A	DN	l/min	**0**	**10**	**20**	**30**	**40**	**50**	**55**	**75**	**95**	**100**	**150**	**175**	**250**	**330**
AC 4.110	1,1	10	40	3,9	1"½	**H** - meters	53	52,5	51,5	50	49	48	47	44	40	39	23	14		
AC 5.150	1,5	12	50	4,6			65	64	63	62	60	58	57	54	49	48	31	18		
AC 6.220	2,2	14	50	5,0			77	75	74	72	70	68	67	63	56	55	35	21		
AB 3.150	1,5	11	40	3,6	2"		36	35,5	35	34,5	34	33	31	32	30	29	26	24	16	6
AB 4.220	2,2	12	40	4,2			46	45,5	45	44,5	44	43	42	41	40	39	35	33	24	9
AB 5.300	3,0	-	-	6			57	56,5	56	55,5	55	54	53	52	50	49	44	41	30	13

COMPONENTS, MATERIALS, DIMENSIONS AND WEIGHT



POS	COMPONENT	MATERIALS
1	Bearing Holder Support	Cast Iron
2	Bearing	Steel
3	Mechanical Seal Fixe	Nitrile Rubber / Ceramics
4	Mechanical Seal Mobile	Graphite Steel
5	Bearing Holder Support	Noryl
6	Rotor / Shaft	Steel and Aluminium / Stainless Steel
7	Bearing	Steel
8	Lip Seals	Nitrile Rubber
9	Motor Casing	Stainless Steel
10	Stator	-
11	Top Engine Support	Aluminium
12	Capacitor	-
13	Outside Higher Cover	Stainless Steel
14	Power Cable	Neoprene
15	Head	Noryl
16	Initial Diffuser	Noryl
17	Impeller	Stainless Steel
18	Diffuser Lid Welded	Noryl
19	Bushing for Impeller	Noryl
20	Diffuser Cover	Noryl
21	External Motor Casing	Stainless Steel
22	Aspiration Filter	Stainless Steel
23	Float	Neoprene Plastic

TYPE	DIMENSIONS (mm)			WEIGHT	PALETTE
	A	ØB	ØC	Kg	Un
AJ 3.37	371	1"	114 (4"½)	8,5	50
AJ 5.60	427			10,5	
AJ 7.90	483			12,0	
A 40.60	442	1"¼	130 (5")	12,5	50
A 60.90	481			13,0	
A 80.130	549			16,0	
AC 4.110.1	486	1"½	152 (6")	21,0	50
AC 4.110.3	444			20,5	
AC 5.150.1	523			22,0	
AC 5.150.3	492			21,5	
AC 6.220.1	561			23,5	
AC 6.220.3	520			23,0	
AB 3.150	497	2"	152 (6")	22,0	50
AB 4.220.1	546			23,5	
AB 4.220.3	532			23,0	
AB 5.300	591			25,0	