

Submersible multi-stage pumps for open wells

Applications

Irrigation, decanting and hydropneumatic sets. Max. immersion level according to technical table on page 281.

Materials

Outer casing, discharge body, impellers, filter and motor casing in stainless steel AISI 304. Pump shaft in stainless steel AISI 303. Diffusers in tecnopolimer. Double mechanical seal in ceramic/graphite/NBR. Foodgrade oil in seal chamber.

Motor

Asynchronous, two poles. IP 68 protection. Class F insulation. Continuous operation. Water-cooled motor. Single-phase motor with built-in thermal protection.

Acuaría 07N/17/27: without floating level switch.

Acuaría 07N A/17 A/27 A: with floating level switch.

Limitations

Maximum liquid temperature: 40 °C.

Equipment

Complete with 15 m of power cable for M version or 10 m MA version.

Acuaría 07N M: for open wells with a minimum Ø 125 mm. Internal capacitor.

Acuaría 17/27 M: for open wells with a minimum Ø 140 mm. External capacitor (Box extra).



See page 168 Accessories.

Hydraulic performance table

Model	I [A]		P1 [kW]		P2		c [µF]	l/min m³/h	10	20	30	40	50	60	65	3~400VT	1~230V M	1~230V MA
	1~230 V	3~400 V	1~230 V	3~400 V	[kW]	[HP]			Code	Code	Code							
Acuaría 07 3N	2.8		0.6		0.37	0.5	12	mwc	33	29	26	21	15	8	4		157967	157968
Acuaría 07 4N	3.5	1.7	0.8	0.8	0.5	0.75	12		41	37	32	26	19	10	6	166210	157964	157965
Acuaría 07 5N	4.1	1.9	1	1	0.75	1	12		50	46	40	32	23	13	8	166211	157969	143389
Acuaría 07 6N	5	2	1.2	1.1	0.9	1.2	12		60	55	47	37	26	15	9	166212	157970	157971
Acuaría 07 7N	5.5	2.4	1.4	1.3	1.1	1.5	30		70	64	55	44	31	18	11	166213	157973	169292

Model	I [A]		P1 [kW]		P2		c [µF]	l/min m³/h	10	20	30	40	50	60	80	85	3~400VT	1~230V M	1~230V MA
	1~230 V	3~400 V	1~230 V	3~400 V	[kW]	[HP]			Code	Code	Code								
Acuaría 17 5	7.4		1.6		0.9	1.25	16	mwc	67	65	62	55	48	39	18	12	96251	96265	96266
Acuaría 17 7	10.7	3.8	2.2	2.1	1.5	2.0	25		94	90	85	78	69	58	30	22	96275	96265	96283

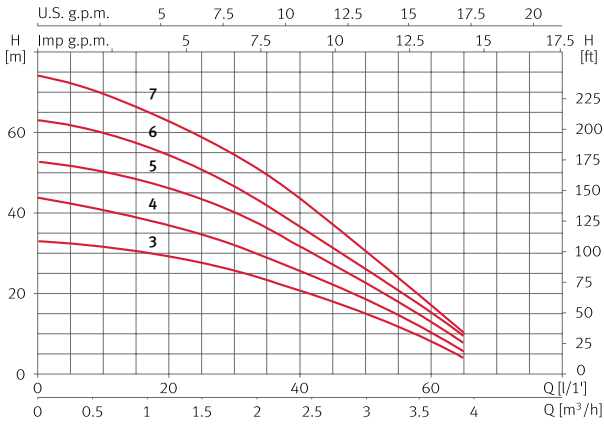
Model	I [A]		P1 [kW]		P2		c [µF]	l/min m³/h	20	30	40	50	60	80	100	120	3~400VT	1~230V M	1~230V MA
	1~230 V	3~400 V	1~230 V	3~400 V	[kW]	[HP]			Code	Code	Code								
Acuaría 27 4	7	2.5	1.5	1.4	0.9	1.25	16	mwc	43	42	41	39	38	31	23	14	96328	96342	96343
Acuaría 27 6	10.8	3.8	2.2	2.1	1.5	2.0	25		68	66	64	61	57	47	36	24	96352	96359	96360

Acuaría 07N/17/27 Submersible

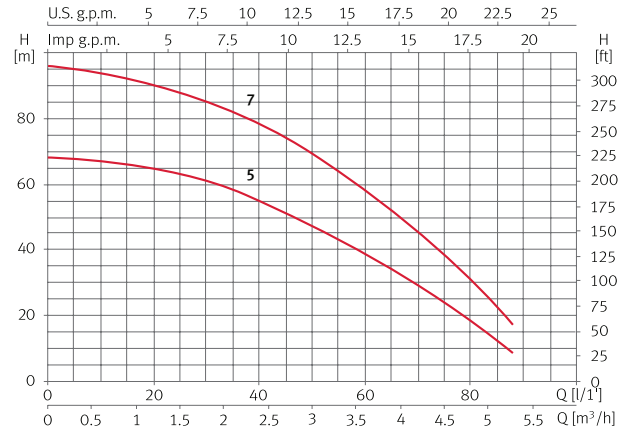


Performance curves at 2900 rpm

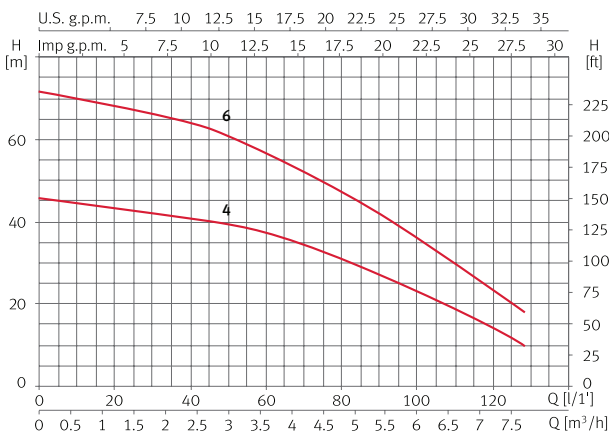
Acuaría 07N



Acuaría 17



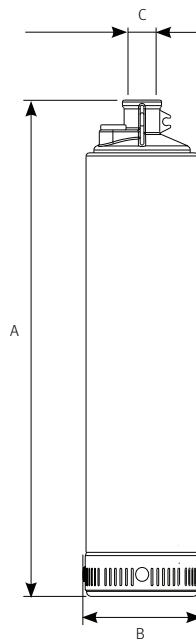
Acuaría 27



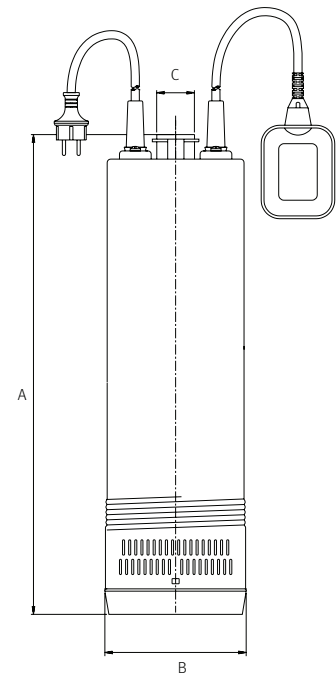
Dimensions and weights

Model	A	B	C	[Kg]
Acuaría 07 3N	470	126	1"	10.0
Acuaría 07 4N	493	126	1"	10.6
Acuaría 07 5N	517	126	1"	11.5
Acuaría 07 6N	560	126	1"	12.4
Acuaría 07 7N	583	126	1"	12.6
Acuaría 17 5	553	138	1"	14
Acuaría 17 7	646	138	1"	14.2
Acuaría 27 4	552	138	1"	17
Acuaría 27 6	655	138	1"	17.2

Acuaría 07N



Acuaría 17/27



*Service kits are available on request