

Acuaria 07N Submersible



Submersible multi-stage pumps for open wells

Applications

Irrigation, decanting and hydropneumatic sets. Max. immersion level according to technical table, code 2240.

Materials

Outer casing, discharge body, impellers, filter and motor casing in stainless steel AISI 304.

Motor shaft and pump shaft in stainless steel AISI 303.

Diffusers in tecnopolimer.

Double mechanical seal, in ceramic/graphite/NBR.

Motor

Asynchronous, two poles.

IP 68 protection.

Class F insulation.

Continuous operation.

Water cooled motor.

Single-phase motor built-in thermal protection and internal capacitor the model Acuaria 07N 7 is with external.

Acuaria 07N: without floating level switch.

Acuaria 07N A: with floating level switch.

Equipment

Complete with 15 m of power cable.

For open wells.

Double mechanical seal in oil bath.

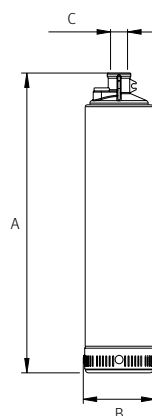
Limitations

Maximum liquid temperature: 40 °C.

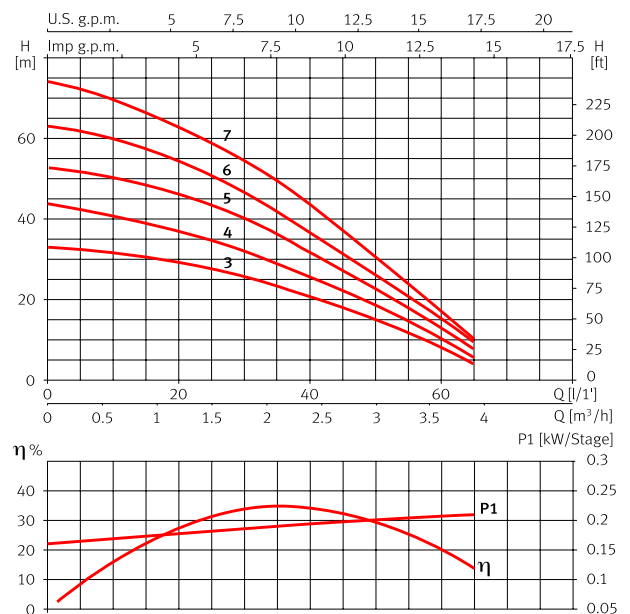


Dimensions and weights

Model	A	B	C	kg
Acuaria 07N 3	470	126	1"	10
Acuaria 07N 4	493	126	1"	10,6
Acuaria 07N 5	517	126	1"	11,5
Acuaria 07N 6	560	126	1"	12,4
Acuaria 07N 7	583	126	1"	12,6



Performance curves at 2900 rpm



Hydraulic performance table

Model	I (A)			P1 (kW)		P2		μF	Flow rate								
	1~ 230 V	230 V	3~ 400 V	1~	3~	(kW)	(HP)		l/min	10	20	30	40	45	50	60	65
									m³/h	0,6	1,2	1,8	2,4	2,7	3	3,6	3,9
Acuaria 07N 3	2,8		1,2	0,6	0,6	0,37	0,5	12	33	29	26	21	18	15	8	4	
Acuaria 07N 4	3,5		1,7	0,8	0,8	0,5	0,75	12	41	37	32	26	22	19	10	6	
Acuaria 07N 5	4,1		1,9	1	1	0,75	1	12	50	46	40	32	27	23	13	8	
Acuaria 07N 6	5		2	1,2	1,1	0,9	1,2	16	60	55	47	37	32	26	15	9	
Acuaria 07N 7	5,5		2,4	1,4	1,3	1,1	1,5	30	70	64	55	44	38	31	18	11	



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Aplicaciones: Riego, transvase y conjuntos hidroneumáticos. Prof. máx. de inmersión según cuadro técnico cód. 2240.

Applications: Irrigation and hydropneumatic sets. Max. immersion level according to technical table, code 2240.

Bombas sumergibles multicelulares para pozos abiertos de Ø mín. 140 mm. Cámara de aceite con doble cierre mecánico.

Materiales:

Envoltorio exterior, camisa motor, impulsores y filtro en acero inox AISI 304.
Eje motor y eje bomba en acero inox AISI 303.
Difusores en tecnopolímero.
Doble cierre mecánico, en cerámica/grafito/NBR.
Cuerpo impulsión en acero inox. AISI 304.

Motor:

Asíncrono, dos polos.
Protección IP 68.
Aislamiento clase F.
Servicio continuo.
Motor refrigerado por agua.
Motor monofásico con protección térmica incorporada.
Acuaría 17: sin interruptor de nivel.
Acuaría 17 A: con interruptor de nivel.

Submersible multi-stage pumps for open wells with a minimum diameter of 140 mm. Double mechanical seal in oil bath.

Materials:

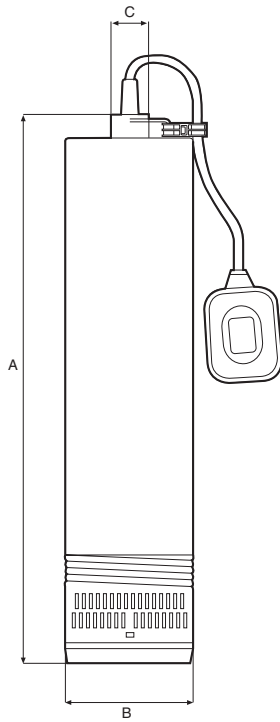
Outer casing, motor casing, impellers and filter in stainless steel AISI 304.
Motor shaft and pump shaft in stainless steel AISI 303.
Diffusers in tecnopolimer.
Double mechanical seal, in ceramic/graphite/NBR.
Discharge body in stainless steel AISI 304.

Motor:

Asynchronous, two poles.
IP 68 protection.
Class F insulation.
Continuous operation.
Water cooled motor.
Single phase motor built-in thermal protection.
Acuaría 17: without floating level switch.
Acuaría 17 A: with floating level switch.

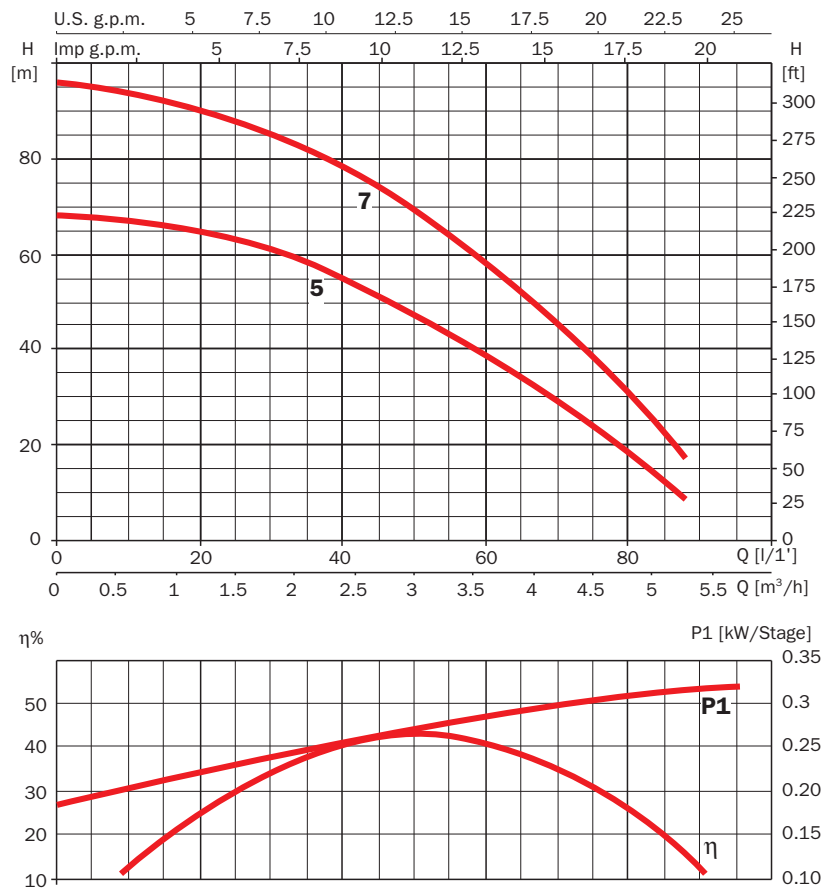


Acuaría17



	A	B	C	Kg
Acuaría17 5	553	138	1"	14
Acuaría17 7	646	138	1"	14.2

Curvas de funcionamiento a 2900 r.p.m.
Performance curves at 2900 r.p.m.



230 V 50 Hz	400 V 50 Hz	A		P1 (kW)		kW	HP	μF	I/1' m³/h	10	20	30	40	50	60	80	85
		1~ 230 V	3~ 400 V	1~	3~												
Acuaría17 5M	Acuaría17 5	7.4	2.6	1.6	1.5	0.9	1.25	16		67	65	62	55	48	39	18	12
Acuaría17 7M	Acuaría17 7	10.7	3.8	2.2	2.1	1.5	2.0	25		94	90	85	78	69	58	30	22



TEC 2052 08/08

Aplicaciones: Riego, transvase y conjuntos hidroneumáticos. Prof. máx. de inmersión según cuadro técnico cód. 2240.

Applications: Irrigation and hydropneumatic sets. Max. immersion level according to technical table, code 2240.

Bombas sumergibles multicelulares para pozos abiertos de Ø mín. 140 mm. Cámara de aceite con doble cierre mecánico y válvula automática de purga.

Materiales:

Envolvente exterior, camisa motor, impulsores y filtro en acero inox AISI 304.
Eje motor y eje bomba en acero inox AISI 303.
Difusores en tecnopolímero.
Doble cierre mecánico, en cerámica/grafito/NBR.
Cuerpo impulsión en acero inox. AISI 304.

Motor:

Asincrónico, dos polos.
Protección IP 68.
Aislamiento clase F.
Servicio continuo.
Motor refrigerado por agua.
Motor monofásico con protección térmica incorporada.
Acuaría 27: sin interruptor de nivel.
Acuaría 27 A: con interruptor de nivel.

Submersible multi-stage pumps for open wells with a minimum diameter of 140 mm. Double mechanical seal in oil bath and automatic purge valve.

Materials:

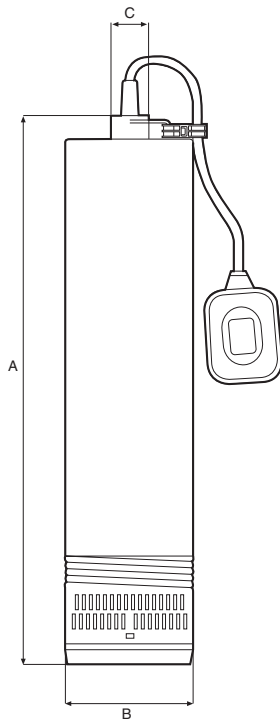
Outer casing, motor casing, impellers and filter in stainless steel AISI 304.
Motor shaft and pump shaft in stainless steel AISI 303.
Diffusers in tecnopolimer.
Double mechanical seal, in ceramic/graphite/NBR.
Discharge body in stainless steel AISI 304.

Motor:

Asynchronous, two poles.
IP 68 protection.
Class F insulation.
Continuous operation.
Water cooled motor.
Single phase motor built-in thermal protection.
Acuaría 27: without floating level switch.
Acuaría 27 A: with floating level switch.

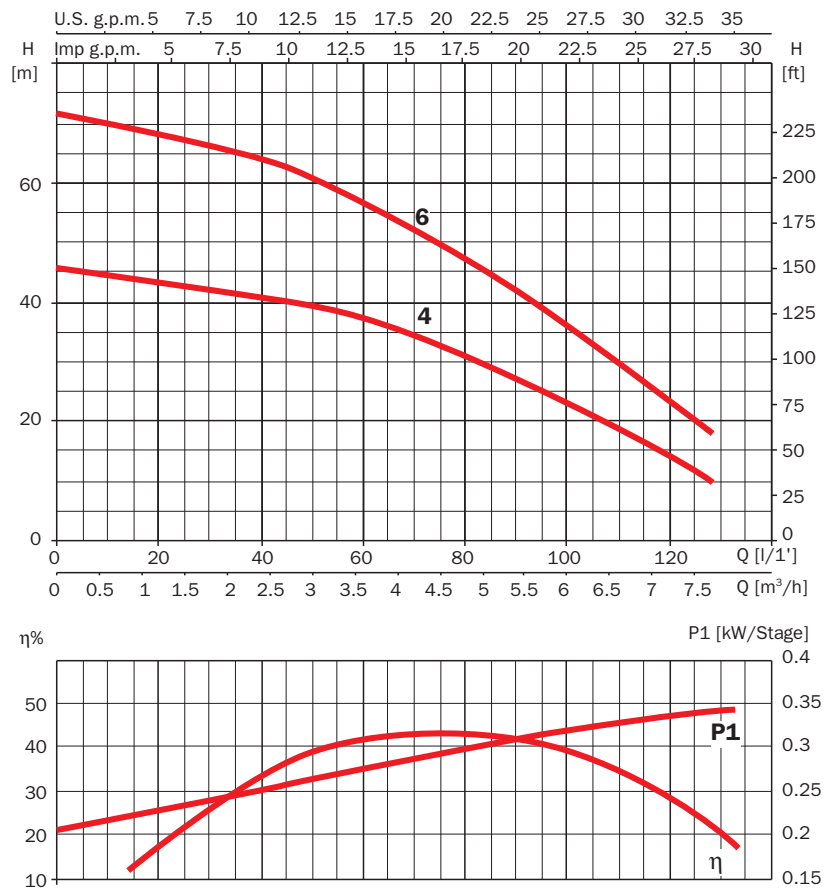


Acuaria27



	A	B	C	Kg
Acuaria27 4	552	138	1"	20
Acuaria27 6	655	138	1"	24

Curvas de funcionamiento a 2900 r.p.m.
Performance curves at 2900 r.p.m.



230 V 50 Hz	400 V 50 Hz	A		P1 (kW)		kW	HP	μF	I/1'	20	30	40	50	60	80	100	120
		1~ 230 V	3~ 400 V	1~	3~												
Acuaria27 4M	Acuaria27 4	7	2.5	1.5	1.4	0.9	1.25	16		43	42	41	39	38	31	23	14
Acuaria27 6M	Acuaria27 6	10.8	3.8	2.2	2.1	1.5	2.0	25		68	66	64	61	57	47	36	24

Acuaria 37 Submersible



Submersible multi-stage pumps for open wells

Applications

Specially designed for irrigation and hydropneumatic sets.

Materials

Outer casing, motor casing, impellers and filter in AISI 304 stainless steel.
 Motor shaft and pump shaft in AISI 303 stainless steel.
 Diffusers in technopolymer.
 Double mechanical seal in ceramic/graphite/NBR.
 Pump base and discharge body in cast iron painted by cathoporesis.
 Food grade oil in seal chamber.

Motor

Asynchronous, 2 poles.
 IP 68 protection.
 Class F insulation.
 Continuous operation.
 Water-cooled motor.

Equipment

Complete with 15 m of power cable.
 Capacitor (single-phase only, box extra).
 For open wells with a minimum $\varnothing 155$ mm.

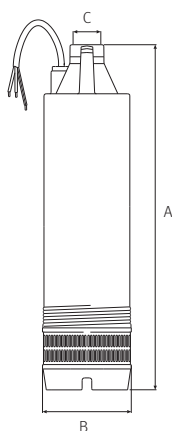
Limitations

Maximum liquid temperature: 40 °C.

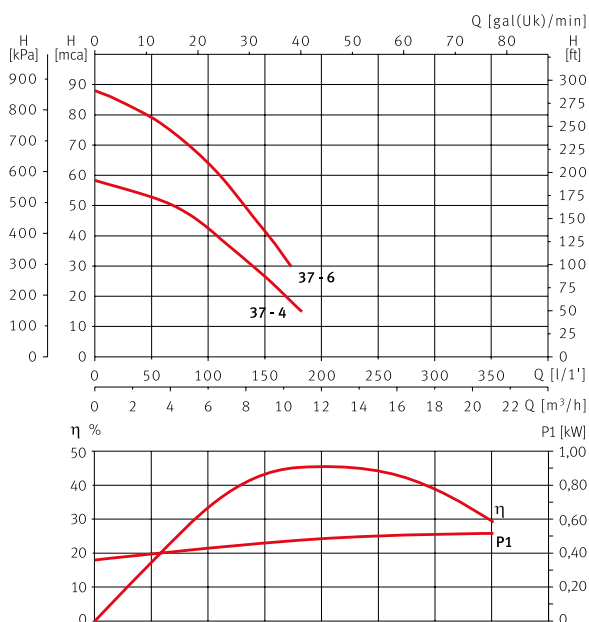


Dimensions and weights

Model	A	B	C	kg
Acuaria 37 4	622,5	152	1 1/2"	27,6
Acuaria 37 6	671,5	152	1 1/2"	30,6



Performance curves at 2900 rpm



Hydraulic performance table

Model	I (A)			P1 (kW)		P2		μF	l/min	12	40	60	80	100	120	140	160
	1~ 230 V	230 V	3~ 400 V	1~	3~	(kW)	(HP)			m³/h	1,2	2,4	3,6	4,8	6,0	7,2	8,4
Acuaria 37 4	9,2	5,2	3,3	2	1,9	1,1	1,5	30	mwc	55,7	53,4	50,9	46,5	41,0	35,2	29,1	22,3
Acuaria 37 6		9,2	5,3		3	2,2	3			84,5	80,7	77,4	72,3	64,8	56,3	46,1	37,2

Acuaria 57 Submersible



Submersible multi-stage pumps for open wells

Applications

Specially designed for irrigation and hydropneumatic sets.

Materials

Outer casing, motor casing, impellers and filter in AISI 304 stainless steel.
 Motor shaft and pump shaft in AISI 303 stainless steel.
 Diffusers in technopolymer.
 Double mechanical seal in ceramic/graphite/NBR.
 Pump base and discharge body in cast iron painted by cathoporesis.
 Foodgrade oil in seal chamber.

Motor

Asynchronous, 2 poles.
 IP 68 protection.
 Class F insulation.
 Continuous operation.
 Water-cooled motor.

Equipment

Complete with 15 m of power cable.
 For open wells with a minimum Ø155mm.

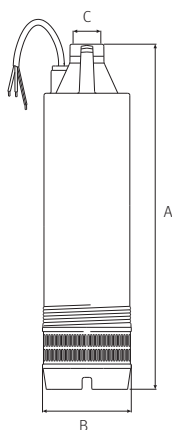
Limitations

Maximum liquid temperature: 40 °C.

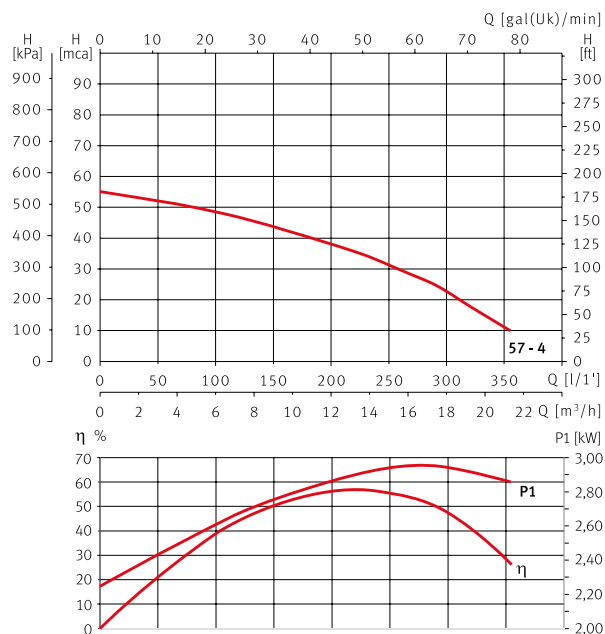


Dimensions and weights

Model	A	B	C	kg
Acuaria 57 4	684	152	1 1/2"	30,6



Performance curves at 2900 rpm



Hydraulic performance table

Model	I (A)			P1 (kW)		P2		μF	l/min	50	100	150	200	250	300	350
	1~ 230 V	230 V	3~ 400 V	1~	3~	(kW)	(HP)									
Acuaria 57 4		9,4	5,4		3	2,2	3		mwc	52,5	48,1	42,2	37,8	31,5	23,2	12,1