

# Acuaria 07S Submersible



## Submersible monoblock centrifugal multistage pump for water supply

### Applications

Pumping of clean water for domestic, industrial, agricultural and gardening purposes. Suitable for open wells, ponds and tanks.

### Materials

Pump body, suction, discharge, filter and impellers in AISI 304.  
Pump shaft in AISI 431.  
Diffusers in technopolymer.  
Double mechanical seal in aluminium-graphite.  
O-rings in NBR/EPDM.

### Equipment

Check valve not included.  
Model MA: float switch.  
Model M/T: without float switch.  
Cable, plug and capacitor: see table.

### Motor

Asynchronous 2 poles.  
IP68 protection.  
Class F insulation.  
Continuous operation.  
Water cooled motor.  
Single phase motor with built-in thermal protection.

### Limitations

Maximum water temperature: 40°C.  
Maximum submersion: 12m.

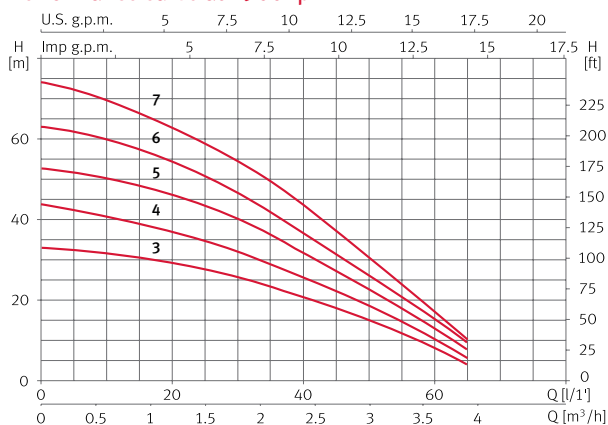


### Hydraulic performance table

Model	I [A]		P1 [kW]		P2		c [μF]	l/min m³/h	10	20	30	40	50	60	65
	1~230V	3~400V	1~	3~	[kW]	[HP]			0,6	1,2	1,8	2,4	3,0	3,6	3,9
Acuaria 07S 3	2,9	-	0,6	-	0,37	0,5	12	mwc	33	29	26	21	15	8	4
Acuaria 07S 4	4	1,5	0,8	0,8	0,55	0,75	12		41	37	32	26	19	10	6
Acuaria 07S 5	4,7	2,2	1	1	0,75	1	12		50	46	40	32	23	13	8
Acuaria 07S 6	6,2	2,2	1,2	1,1	0,9	1,2	12		60	55	47	37	26	15	9
Acuaria 07S 7	6,5	2,4	1,4	1,3	1,1	1,5	30		70	64	55	44	31	18	11

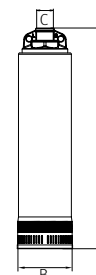
Model	Code with internal capacitor and 15m of cable with plug type F.		Code CCE with external capacitor with capacitor box and 15m of cable with plug type F.		Code CEXT with external capacitor without capacitor box and 15m of cable without plug.		Code
	1~230V (Model M)	1~230V (Model MA)	1~230V (Model M CCE)	1~230V (Model MA CCE)	1~230V (Model M CEXT)	1~230V (Model MA CEXT)	
Acuaria 07S 3	209123	209078	209401	209353	209133	209127	-
Acuaria 07S 4	209122	209079	209387	209135	209130	209126	209194
Acuaria 07S 5	209124	209080	209402	209136	209131	209128	209196
Acuaria 07S 6	209125	209081	209403	209358	209132	209129	209340
Acuaria 07S 7	-	-	209404	209137	209134	209082	209344

### Performance curve at 2900 rpm



### Dimension and weight

Model	A	B	C	Kg
Acuaria 07S 3	479	125	1"	10
Acuaria 07S 4	502	125	1"	10,6
Acuaria 07S 5	526	125	1"	11,5
Acuaria 07S 6	569	125	1"	12,4
Acuaria 07S 7	593	125	1"	12,6



# Acuaria 17 Submersible



## Submersible monoblock centrifugal multistage pump for water supply

### Applications

Pumping of clean water for domestic, industrial, agricultural and gardening purposes.  
Suitable for open wells, ponds and tanks.

### Materials

Pump body, suction, discharge, filter and impellers in AISI 304.  
Pump shaft in AISI 431.  
Diffusers in technopolymer.  
Double mechanical seal in aluminium-graphite.  
O-rings in NBR/EPDM.

### Equipment

Check valve not included.  
Model MA: float switch.  
Model M/T: without float switch.  
15m of cable without plug.  
External capacitor.

### Motor

Asynchronous 2 poles.  
IP68 protection.  
Class F insulation.  
Continuous operation.  
Water cooled motor.  
Single phase motor with built-in thermal protection.

### Limitations

Maximum water temperature: 40°C.  
Maximum submersion: 12m.



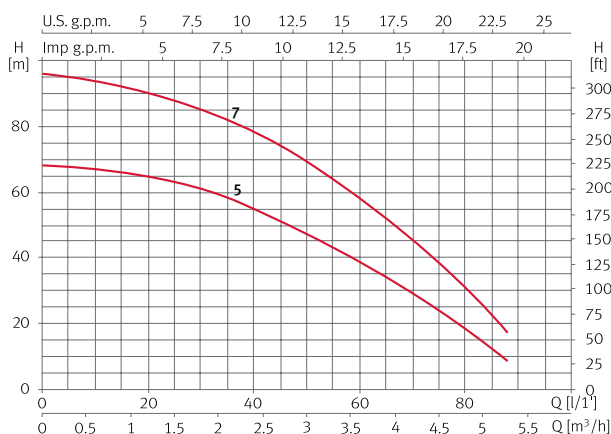
Model MA

Model M/T

### Hydraulic performance table

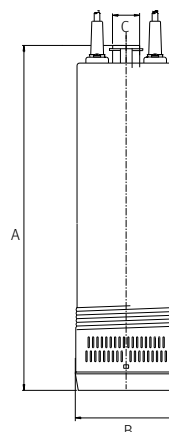
Model	I [A]		P1 [kW]		P2		c [μF]	l/min m³/h	10	20	30	40	50	60	80	85	Code		
	1~230V	3~400V	1~	3~	[kW]	[HP]			0,6	1,2	1,8	2,4	3,0	3,6	4,8	5,1	1~230V (Model M)	1~230V (Model MA)	3~400V (Model T)
Acuaria 17 5	7,4	2,6	1,6	1,5	0,9	1,2	16	mwc	67	65	62	55	48	39	18	12	96265	96266	96251
Acuaria 17 7	10,7	3,8	2,2	2,1	1,5	2	25		94	90	85	78	69	58	30	22	96282	96283	96275

### Performance curve at 2900 rpm



### Dimension and weight

Model	A	B	C	Kg
Acuaria 17 5	554	138	1"	19,8
Acuaria 17 7	646	138	1"	24



# Acuaría 27 Submersible



## Submersible monoblock centrifugal multistage pump for water supply

### Applications

Pumping of clean water for domestic, industrial, agricultural and gardening purposes.  
Suitable for open wells, ponds and tanks.

### Materials

Pump body, suction, discharge, filter and impellers in AISI 304.  
Pump shaft in AISI 431.  
Diffusers in technopolymer.  
Double mechanical seal in aluminium-graphite.  
O-rings in NBR/EPDM.

### Equipment

Check valve not included.  
Model MA: float switch.  
Model M/T: without float switch.  
15m of cable without plug.  
External capacitor.

### Motor

Asynchronous 2 poles.  
IP68 protection.  
Class F insulation.  
Continuous operation.  
Water cooled motor.  
Single phase motor with built-in thermal protection.

### Limitations

Maximum water temperature: 40°C.  
Maximum submersion: 12m.



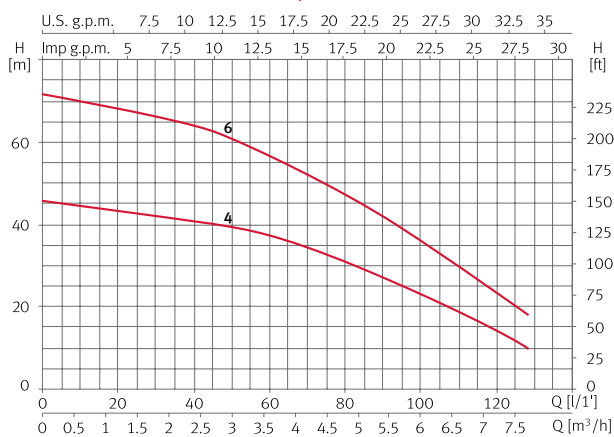
Model MA

Model M/T

### Hydraulic performance table

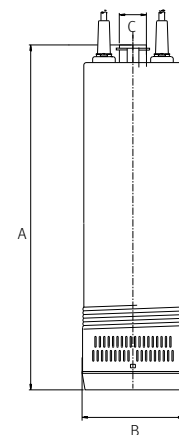
Model	I [A]		P1 [kW]		P2		c [μF]	l/min	20	30	40	50	60	80	100	120	Code		
	1~230V	3~400V	1~	3~	[kW]	[HP]			m³/h	1,2	1,8	2,4	3,0	3,6	4,8	6,0	7,2	1~230V (Model M)	1~230V (Model MA)
Acuaría 27 4	7	2,5	1,5	1,4	0,9	1,2	16	mwc	43	42	41	39	38	31	23	14	96342	96343	96328
Acuaría 27 6	10,8	3,8	2,2	2,1	1,5	2	25		68	66	64	61	57	47	36	24	96359	96360	96352

### Performance curve at 2900 rpm



### Dimension and weight

Model	A	B	C	Kg
Acuaría 27 4	552	138	1"	20
Acuaría 27 6	655	138	1"	24



# Acuaria 37 Submersible



## Submersible monoblock centrifugal multistage pump for water supply

### Applications

Pumping of clean water for domestic, industrial, agricultural and gardening purposes.  
Suitable for open wells, ponds and tanks.

### Materials

Pump body, filter and impellers in AISI 304.  
Suction and discharge in cast iron.  
Pump shaft in AISI 431.  
Diffusers in technopolymer.  
Double mechanical seal in aluminium-graphite.  
O-rings in NBR/EPDM.

### Equipment

Check valve not included.  
15m of cable without plug.  
External capacitor.

### Motor

Asynchronous 2 poles.  
IP68 protection.  
Class F insulation.  
Continuous operation.  
Water cooled motor.  
Single phase motor with built-in thermal protection.

### Limitations

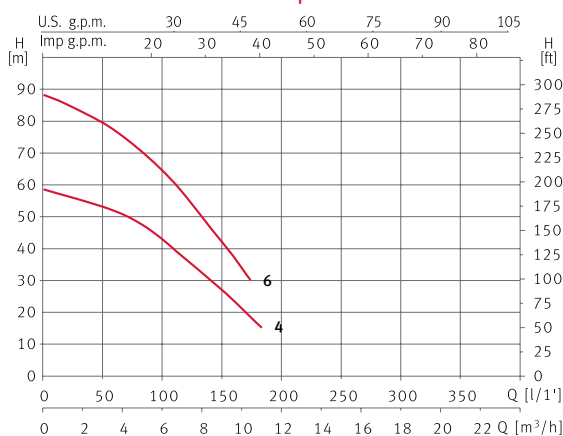
Maximum water temperature: 40°C.  
Maximum submersion: 12m.



### Hydraulic performance table

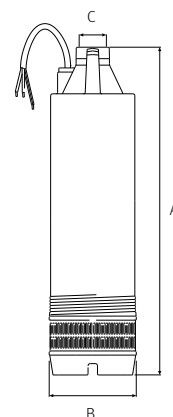
Model	I [A]		P1 [kW]		P2		c [μF]	l/min	12	40	60	100	120	140	160	Code	
	1~230V	3~400V	1~	3~	[kW]	[HP]			m³/h	1,2	2,4	3,6	6,0	7,2	8,4	8,6	1~230V
Acuaria 37 4	9,2	3,3	2	1,9	1,1	1,5	30	mwc	56	53	51	41	35	29	22	135380	135379
Acuaria 37 6	-	5,3	-	3	2,2	3	-		85	81	77	65	56	46	37	-	135381

### Performance curve at 2900 rpm



### Dimension and weight

Model	A	B	C	Kg
Acuaria 37 4	623	152	1 1/2"	27,6
Acuaria 37 6	672	152	1 1/2"	30,6



# Acuaría 57 Submersible



## Submersible monoblock centrifugal multistage pump for water supply

### Applications

Pumping of clean water for domestic, industrial, agricultural and gardening purposes.  
Suitable for open wells, ponds and tanks.

### Materials

Pump body, filter and impellers in AISI 304.  
Suction and discharge in cast iron.  
Pump shaft in AISI 431.  
Diffusers in technopolymer.  
Double mechanical seal in aluminium-graphite.  
O-rings in NBR/EPDM.

### Equipment

Check valve not included.  
15m of cable without plug.

### Motor

Asynchronous 2 poles.  
IP68 protection.  
Class F insulation.  
Continuous operation.  
Water cooled motor.

### Limitations

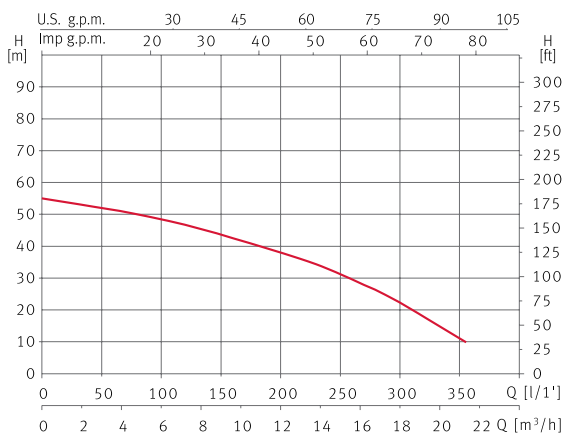
Maximum water temperature: 40°C.  
Maximum submersion: 12m.



### Hydraulic performance table

Model	I [A]	P1 [kW]	P2		l/min	50	100	150	200	250	300	350	Code
	3~400V	3~	[kW]	[HP]	m <sup>3</sup> /h	3,0	6,0	9,0	12	15	18	21	
Acuaría 57 4	5,4	3	2,2	3	mwc	53	48	42	38	32	23	12	135382

### Performance curve at 2900 rpm



### Dimension and weight

Model	A	B	C	Kg
Acuaría 57 4	684	152	1 <sup>1/2</sup> "	30,6

