

Electric submersible pumps SRM - SRT - SRF for 6" wells



Application

- To pump water from reservoirs, collecting tanks and wells;
- To pressurize civil, agricultural, industrial and fire-fighting plants;
- Irrigation.

Application features

- Maximum immersion depth **30 m** (20 m series /200 - /300);
- Maximum content in sand:
50 g/m³ series /100 - /140 - SRF /80 - /200 - /300,
200 g/m³ series /230 - /330,
300 g/m³ series /400 - /700;
- Maximum number of starts per hour **40** (30 series /230 - /330 - /400 - /700);
- Maximum temperature of the water pumped **45 °C**;
- Continuous duty **S1** series (intermittent duty **S2** 60 min service series SRF /80);
- Degree of protection **IP 68**;
- Insulation class **F**.

Construction

SERIES /100 - /140:

- Dry, asynchronous rewindable motor with short circuit rotor;
- Double mechanical seal with oil chamber in-between.

SERIES /200 - /300:

- Asynchronous rewindable motor with short circuit rotor;
- Double mechanical seal with oil chamber in-between;
- Lubrication chamber for the ball bearing on the pump side;

SERIES /230 - /330 - /400 - /700:

- Coolant filled asynchronous rewindable motor with short circuit rotor;

SERIES SRF /80:

- 24 V DC with permanent magnets motor, with dry-brush rotor.



This important certification, released by an Agency accredited by the French Ministry of Health, attests that the electric pumps series SRM-SRT /100 /140 /200 /300 can be used to pump drinkable water.



Components

Electric pump	/100 - /140 - SRF /80 - /200 - /300	/230 - /330 - /400 - /700
Pump union, motor cover and central body	Brass OT58	Mechanical cast iron EN GJL-250
External casing, handle, motor casing, bolts and nuts	Stainless steel AISI304	Stainless steel AISI304
Shaft	Stainless steel AISI420B	Stainless steel AISI420B - AISI303
Impellers and diffusers	Noryl® reinforced with fibre-glass, certified for drinkable water and AISI304 stainless steel wear rings	Noryl® reinforced with fibre-glass, certified for drinkable water and AISI304 stainless steel wear rings
Body diffusers		/400 Mechanical cast iron EN GJL-200
Diffuser bush		/400 - /700 Anti-sand rubber
Bearing shaft support		Desmopan® with rotating element in chromium-plated brass;
Foot	Stainless steel AISI304 (/200 - /300 ABS)	Mechanical cast iron EN GJL-250
Mechanical seal	Silicon carbide and alumina (/200 - /300 Graphite and alumina)	Graphite and alumina
Elastomers	NBR rubber	NBR rubber
Cable	PVC ACS AD8	PVC

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Performance characteristics 2 poles 50 Hz

Single-Phase 230 V 50 Hz	Three-Phase 400 V 50 Hz	Nominal Characteristics		450 V Cable		Flow																			
						HP	KW	A 1~	A 3~	μF	m	DNM	m³/h	0	1,2	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,2	7,8
Total manometric head in meters																									
Radial Impeller																									
SRM07	3/100			0,7	0,5	4,2		16	10	1"¼	35	33	30	28	25	22	18	14	9						
SRM09	4/100	SRT09	4/100	0,9	0,65	5	2	16	10	1"¼	46	44	39	36	32	28	23	18	11						
SRM11	5/100	SRT11	5/100	1,1	0,8	6,6	2,5	20	10	1"¼	58	55	49	46	40	36	29	23	15						
SRM13	6/100	SRT13	6/100	1,3	0,95	7,3	2,9	25	10	1"¼	69	64	58	54	49	42	35	26	17						
SRM16	7/100	SRT16	7/100	1,6	1,2	8,7	3,2	31,5	10	1"¼	80	75	68	62	56	48	40	30	20						
Radial Impeller																									
SRM10	4/140	SRT10	4/140	1	0,75	5,7	2,2	16	10	1"¼	41	38	35	33	31	29	26	23	20	17	14	10	6		
SRM13	5/140	SRT13	5/140	1,3	0,95	7,4	2,8	20	10	1"¼	51	48	44	41	38	35	32	29	25	21	17	13	8		
SRM16	6/140	SRT16	6/140	1,6	1,2	8,3	3,2	25	10	1"¼	62	57	52	49	46	42	38	34	30	25	20	15	10		

Single-phase electric pumps are available with or without float switch

Electric submersible pump SRF DC

Performance characteristics 2800 rpm

Direct Current 24 V	Nominal Characteristics			Cable		Flow														
						m³/h	0	0,36	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8				
Total manometric head in meters																				
Radial Impeller																				
SRF75	4/80	DC		0,75	0,55	28		5	1"¼	40	38	37	34	30	26	21	17	11	7	

Type	Dimensions mm			Weight Kg	
	A	B	C		
SRM07	3/100	437	80	130	11,3
SRM09	4/100	461	80	130	11,5
SRM11	5/100	500	80	130	12,8
SRM13	6/100	544	80	130	14,5
SRM16	7/100	588	80	130	16,5
SRT09	4/100	461	80	130	11,5
SRT11	5/100	500	80	130	12,8
SRT13	6/100	544	80	130	14,5
SRT16	7/100	588	80	130	16,5
SRF75	4/80	500	80	130	10,2

Type	Dimensions mm			Weight Kg	
	A	B	C		
SRM10	4/140	461	80	130	11,6
SRM13	5/140	500	80	130	13,2
SRM16	6/140	544	80	130	14,6
SRT10	4/140	461	80	130	11,6
SRT13	5/140	500	80	130	13,2
SRT16	6/140	544	80	130	14,6



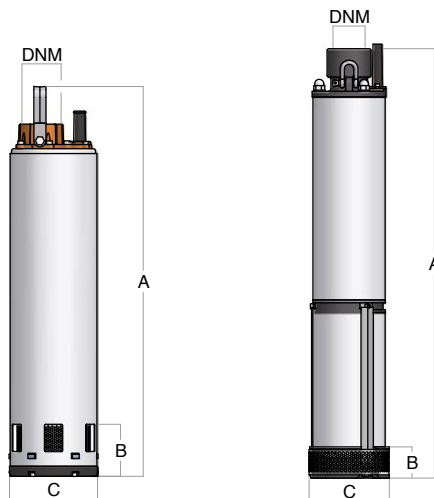
Performance characteristics 2 poles 50 Hz

Single-Phase 230 V 50 Hz	Three-Phase 400 V 50 Hz	Nominal Characteristics		450 V Cable		Flow																	
						HP	KW	A 1~	A 3~	μF	m	DNM	l/min	0	1,2	3,6	6	8,4	10,8	12	13,2	14,4	15,6
Total manometric head in meters																							
Radial Impeller																							
SRM15	3/200	SRT15	3/200	1,5	1,1	8	3	40	10	2"	51	49	43	35	26	14	7,5	0,5					
SRM20	4/200	SRT20	4/200	2	1,5	10	3,5	45	10	2"	68	65	57	47	35	19	10	1					
		SRT30	5/200	3	2,2		5		10	2"	86	81	71	59	43	24	13	1,5					
		SRT40	11/230	4	3		8		3	2"	103			91	79	61	51	39					
		SRT55	13/230	5,5	4		10		3	2"	125			111	94	72	59	44					
Radial Impeller																							
SRM15	2/300	SRT15	2/300	1,5	1,1	8	3	40	10	2"	36		33	30	26	21,5	19	16	13	10	7	4	1
SRM20	3/300	SRT20	3/300	2	1,5	10	3,5	45	10	2"	53		49	44	38	32	28	24	20	15	11	6,5	1,5
		SRT30	4/300	3	2,2		5		10	2"	71		64	58	51	42	37	32	26	20	15	8,5	2
		SRT40	5/300	4	3		7		10	2"	89		81	74	64	53	47	40	33	25	18	11	2,5
		SRT55	9/330	5,5	4		10		3	2"	89				68	63	58	53	47	41	34	27	

Performance characteristics 2 poles 50 Hz

Single-Phase 230 V 50 Hz	Three-Phase 400 V 50 Hz	Nominal Characteristics		450 V Cable		Flow																	
						HP	KW	A 1~	A 3~	μF	m	DNM	l/min	0	11,4	12,6	13,8	15,6	18	19,8	24	27	30
Total manometric head in meters																							
Radial Impeller																							
		SRT40	4/400	4	3		8		3	2"	50	41	40	37	35	31	28	20	14				
		SRT55	5/400	5,5	4		10		3	2"	64	52	51	49	46	42	38	29	20				
Semi-Axial impeller																							
		SRT55	3/700	5,5	4		10		3	2"	41				35	34	31	28	25	22	18	9	

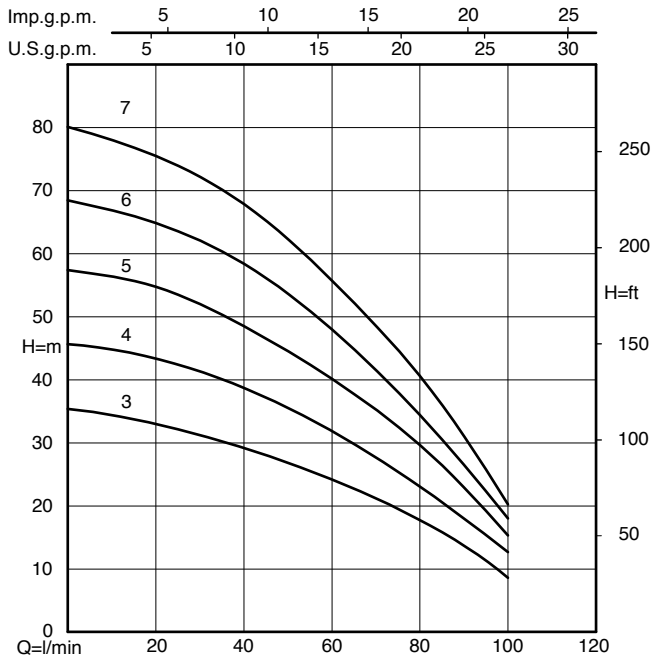
Type	Dimensions mm	Weight	Dimensions mm			Kg
			A	B	C	
SRM15	3/200	21,2	639	150	145	21,2
SRM20	4/200	24,0	700	150	145	24,0
SRT15	3/200	20,4	639	150	145	20,4
SRT20	4/200	20,8	675	150	145	20,8
SRT30	5/200	23,7	736	150	145	23,7
SRM15	2/300	20,0	603	150	145	20,0
SRM20	3/300	23,3	664	150	145	23,3
SRT15	2/300	19,8	603	150	145	19,8
SRT20	3/300	20,3	639	150	145	20,3
SRT30	4/300	23,5	700	150	145	23,5
SRT40	5/300	27,0	776	150	145	27,0



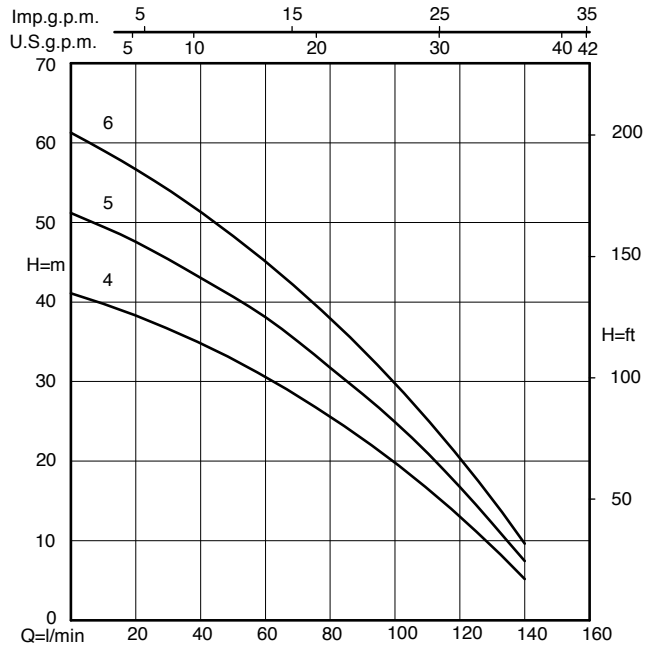
Type	Dimensions mm	Weight	Dimensions mm			Kg
			A	B	C	
SRT40	11/230	37,0	1375	60	142	37,0
SRT55	13/230	42,4	1496	60	142	42,4
SRT55	9/330	39,4	1352	60	142	39,4
SRT40	4/400	39,5	1185	60	142	39,5
SRT55	5/400	44,4	1284	60	142	44,4
SRT55	3/700	38,9	1262	60	142	38,9

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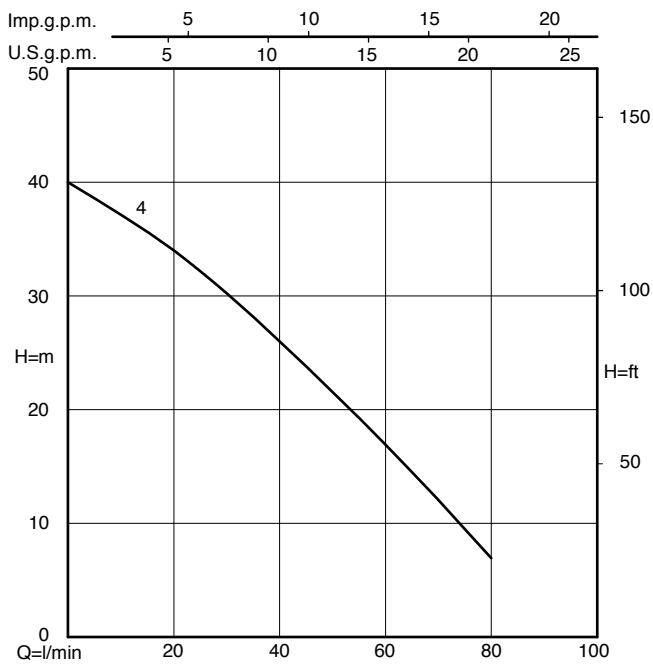
Series /100



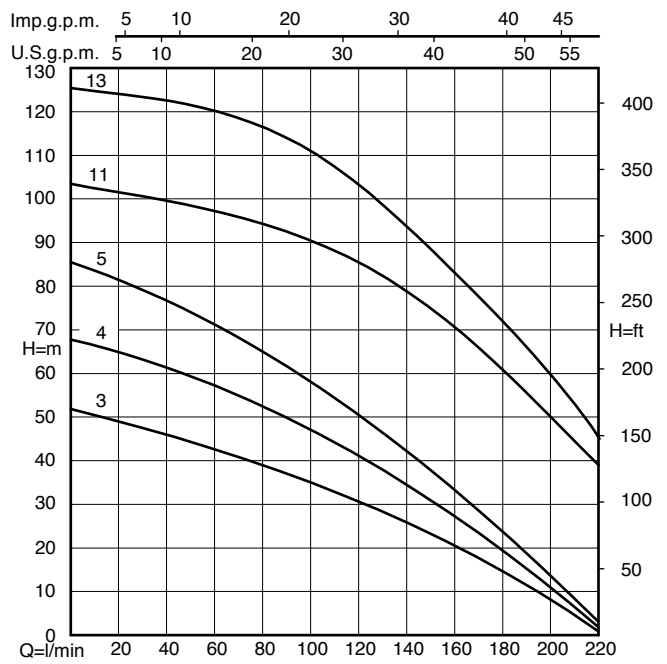
Series /140



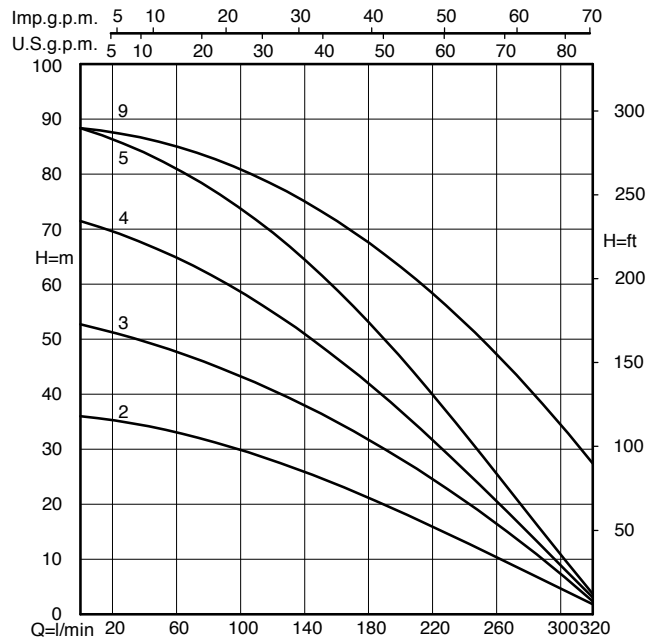
Series SRF /80



Series /200 - /230



Series /300 - /330



Series /400 - /700

