

SRM-SRT-SRF 6"



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 series /100 - /140 - SRF /80,
20 m series /200 - /300,
30 m series /230 - /330 - /400 - /700;
- 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 series /100 - /140 - SRF /80 - /200 - /300,
30 series /230 - /330 - /400 - /700;
- Maximum temperature of the water pumped:
50 °C continuous duty **S1** series /100 - /140,
40 °C continuous duty **S1** series /200 - /300 - /230 - /330 - /400 - /700,
45 °C intermittent duty **S2 60 min.** service series SRF /80;
- Degree of protection **IP 68**;
- Insulation class **F**.

Construction

- Multistage pump with radial impellers (/700 with semi-axial impellers);
- SERIES /100 - /140 - /230 - /330 - /400 - /700:
- Coolant filled asynchronous rewindable motor with short circuit rotor;
- 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 SRF /80:
- 24 V DC with permanent magnets motor, with dry-brush rotor.



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	Graphite and alumina	Graphite and alumina
Elastomers	NBR rubber	NBR rubber
Cable	Neoprene H07RN-F	

Electric submersible pumps SRM - SRT - SRF

for 6" wells

Performance characteristics 2 poles 50 Hz																								
										Flow														
Single-Phase 230 V 50 Hz	Three-Phase 400 V 50 Hz			Nominal Characteristics				450 V Cable			m³/h	0	1,2	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,2	7,8	8,4
				HP	KW	A 1~	A 3~	µF	m	DNM	l/min	0	20	40	50	60	70	80	90	100	110	120	130	140
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																				
										Flow										
Direct Current 24 V	Nominal Characteristics					Cable		m³/h	0	0,36	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8		
	HP	KW	A			m	DNM	l/min	0	6	10	20	30	40	50	60	70	80		
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	11,7
SRM09	4/100	461	80	130	12,0
SRM11	5/100	500	80	130	13,3
SRM13	6/100	544	80	130	14,9
SRM16	7/100	588	80	130	16,6
SRT09	4/100	461	80	130	12,0
SRT11	5/100	500	80	130	13,3
SRT13	6/100	544	80	130	14,9
SRT16	7/100	588	80	130	16,6
SRF75	4/80	500	80	130	10,2

Type		Dimensions mm			Weight Kg
		A	B	C	
SRM10	4/140	461	80	130	12,0
SRM13	5/140	500	80	130	13,5
SRM16	6/140	544	80	130	15,5
SRT10	4/140	461	80	130	12,0
SRT13	5/140	500	80	130	13,5
SRT16	6/140	544	80	130	15,5



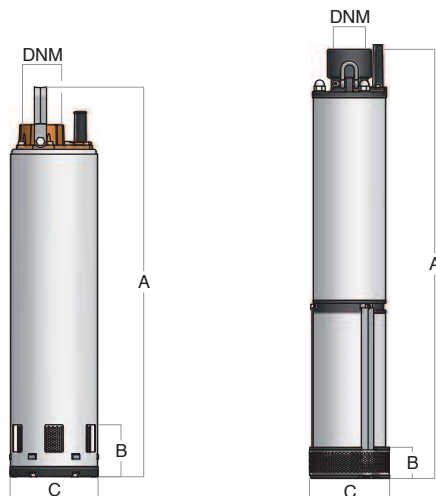
Performance characteristics 2 poles 50 Hz

											Flow																		
Single-Phase 230 V 50 Hz				Three-Phase 400 V 50 Hz	Nominal Characteristics				450 V Cable			m³/h	0	1,2	3,6	6	8,4	10,8	12	13,2	14,4	15,6	16,8	18	19,2				
					HP	KW	A 1~	A 3~	µF	m	DNM	l/min	0	20	60	100	140	180	200	220	240	260	280	300	320				
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

										Flow																	
Single-Phase 230 V 50 Hz	Three-Phase 400 V 50 Hz	Nominal Characteristics				450 V Cable			m³/h	0	11,4	12,6	13,8	15,6	18	19,8	24	27	30	33	36	42					
		HP	KW	A 1~	A 3~	µF	m	DNM	l/min	0	190	210	230	260	300	330	400	450	500	550	600	700					
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						

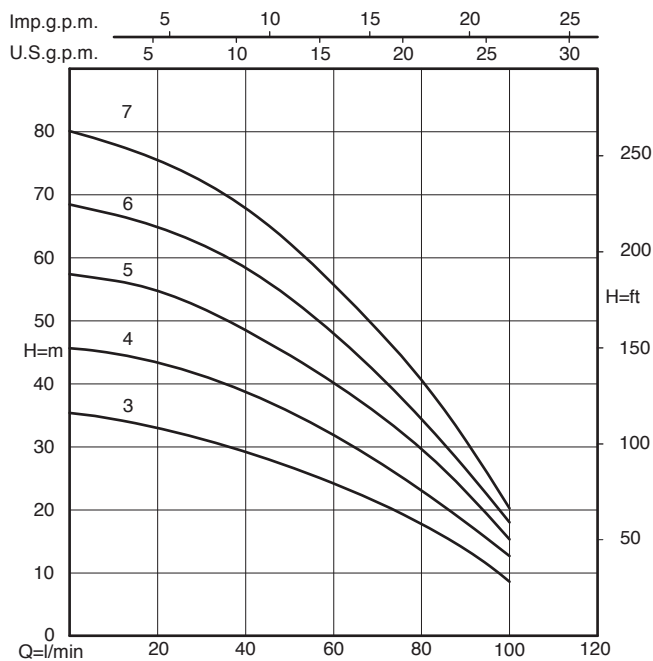
Type		Dimensions mm			Weight Kg
		A	B	C	
SRM15	3/200	639	150	145	21,2
SRM20	4/200	700	150	145	24,0
SRT15	3/200	639	150	145	20,4
SRT20	4/200	675	150	145	20,8
SRT30	5/200	736	150	145	23,7
SRM15	2/300	603	150	145	20,0
SRM20	3/300	664	150	145	23,3
SRT15	2/300	603	150	145	19,8
SRT20	3/300	639	150	145	20,3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



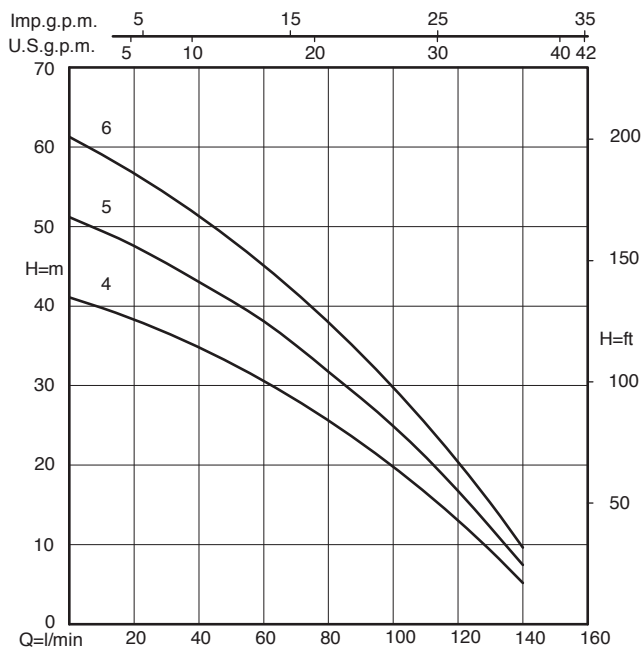
Type		Dimensions mm			Weight Kg
		A	B	C	
SRT40	11/230	1375	60	142	39,0
SRT55	13/230	1496	60	142	44,0
SRT55	9/330	1352	60	142	41,0
SRT40	4/400	1185	60	142	41,5
SRT55	5/400	1284	60	142	46,0
SRT55	3/700	1262	60	142	40,5

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

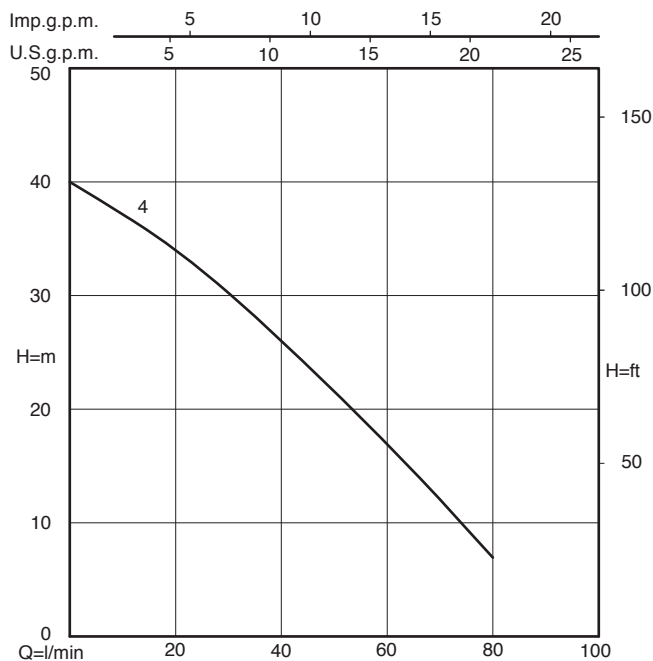
Series **/100**



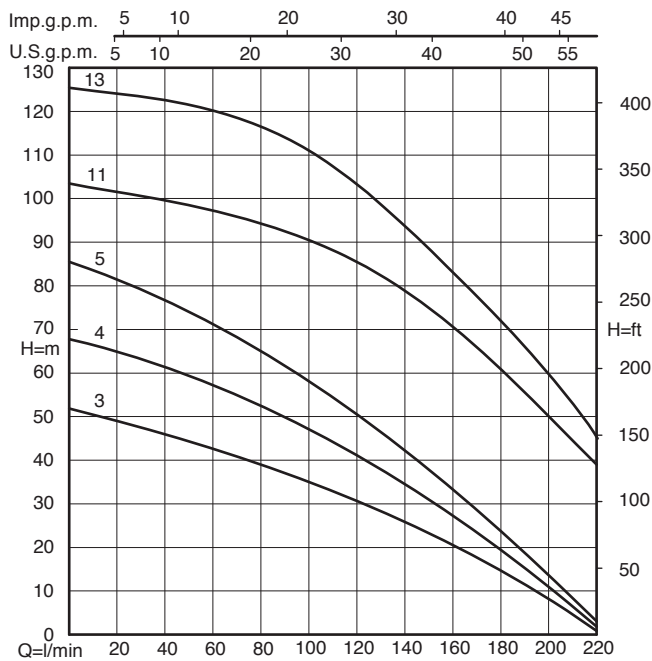
Series **/140**



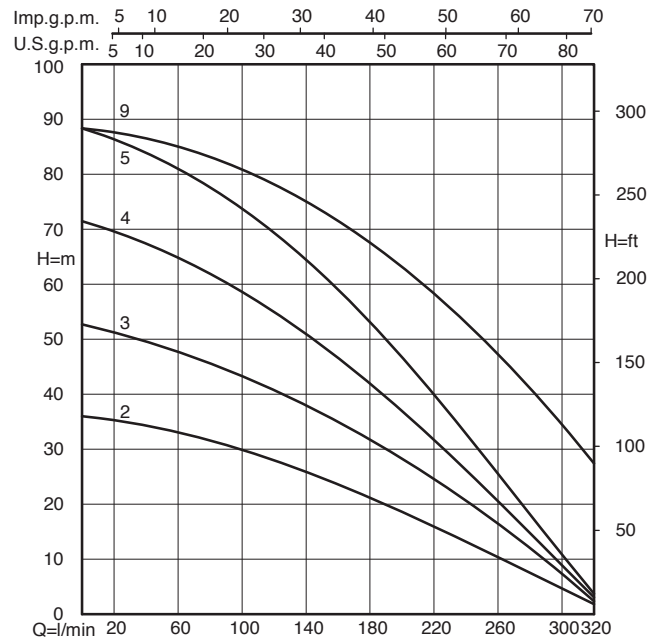
Series **SRF /80**



Series **/200 - /230**



Series /300 - /330



Series /400 - /700

