

# 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** (20 m series /200 - /300);
- Maximum content in sand:  
**50 g/m<sup>3</sup>** series /100 - /140 - SRF /80 - /200 - /300,  
**200 g/m<sup>3</sup>** series /230 - /330,  
**300 g/m<sup>3</sup>** 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

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

## 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	m <sup>3</sup> /h	0	1,2	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,2	7,8	8,4
<b>Total manometric head in meters</b>																										
<b>Radial Impeller</b>																										
<b>SRM07</b>	<b>3/100</b>			0,7	0,5	4,2		16	10	1"¼	35	33	30	28	25	22	18	14	9							
<b>SRM09</b>	<b>4/100</b>	<b>SRT09</b>	<b>4/100</b>	0,9	0,65	5	2	16	10	1"¼	46	44	39	36	32	28	23	18	11							
<b>SRM11</b>	<b>5/100</b>	<b>SRT11</b>	<b>5/100</b>	1,1	0,8	6,6	2,5	20	10	1"¼	58	55	49	46	40	36	29	23	15							
<b>SRM13</b>	<b>6/100</b>	<b>SRT13</b>	<b>6/100</b>	1,3	0,95	7,3	2,9	25	10	1"¼	69	64	58	54	49	42	35	26	17							
<b>SRM16</b>	<b>7/100</b>	<b>SRT16</b>	<b>7/100</b>	1,6	1,2	8,7	3,2	31,5	10	1"¼	80	75	68	62	56	48	40	30	20							
<b>Radial Impeller</b>																										
<b>SRM10</b>	<b>4/140</b>	<b>SRT10</b>	<b>4/140</b>	1	0,75	5,7	2,2	16	10	1"¼	41	38	35	33	31	29	26	23	20	17	14	10	6			
<b>SRM13</b>	<b>5/140</b>	<b>SRT13</b>	<b>5/140</b>	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			
<b>SRM16</b>	<b>6/140</b>	<b>SRT16</b>	<b>6/140</b>	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																			
						HP	KW	A	m	DNM	m <sup>3</sup> /h	0	0,36	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8				
<b>Total manometric head in meters</b>																									
<b>Radial Impeller</b>																									
<b>SRF75</b>	<b>4/80</b>	<b>DC</b>		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		
<b>SRM07</b>	<b>3/100</b>	437	80	130	11,3
<b>SRM09</b>	<b>4/100</b>	461	80	130	11,5
<b>SRM11</b>	<b>5/100</b>	500	80	130	12,8
<b>SRM13</b>	<b>6/100</b>	544	80	130	14,5
<b>SRM16</b>	<b>7/100</b>	588	80	130	16,5
<b>SRT09</b>	<b>4/100</b>	461	80	130	11,5
<b>SRT11</b>	<b>5/100</b>	500	80	130	12,8
<b>SRT13</b>	<b>6/100</b>	544	80	130	14,5
<b>SRT16</b>	<b>7/100</b>	588	80	130	16,5
<b>SRF75</b>	<b>4/80</b>	500	80	130	10,2

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



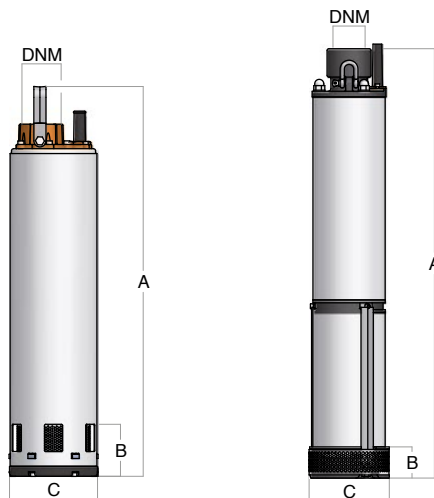
**Performance characteristics 2 poles 50 Hz**

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	16,8	18
<b>Total manometric head in meters</b>																									
<b>Radial Impeller</b>																									
<b>SRM15</b>	<b>3/200</b>	<b>SRT15</b>	<b>3/200</b>	1,5	1,1	8	3	40	10	2"	51	49	43	35	26	14	7,5	0,5							
<b>SRM20</b>	<b>4/200</b>	<b>SRT20</b>	<b>4/200</b>	2	1,5	10	3,5	45	10	2"	68	65	57	47	35	19	10	1							
		<b>SRT30</b>	<b>5/200</b>	3	2,2		5		10	2"	86	81	71	59	43	24	13	1,5							
		<b>SRT40</b>	<b>11/230</b>	4	3		8		3	2"	103			91	79	61	51	39							
		<b>SRT55</b>	<b>13/230</b>	5,5	4		10		3	2"	125			111	94	72	59	44							
<b>Radial Impeller</b>																									
<b>SRM15</b>	<b>2/300</b>	<b>SRT15</b>	<b>2/300</b>	1,5	1,1	8	3	40	10	2"	36		33	30	26	21,5	19	16	13	10	7	4	1		
<b>SRM20</b>	<b>3/300</b>	<b>SRT20</b>	<b>3/300</b>	2	1,5	10	3,5	45	10	2"	53		49	44	38	32	28	24	20	15	11	6,5	1,5		
		<b>SRT30</b>	<b>4/300</b>	3	2,2		5		10	2"	71		64	58	51	42	37	32	26	20	15	8,5	2		
		<b>SRT40</b>	<b>5/300</b>	4	3		7		10	2"	89		81	74	64	53	47	40	33	25	18	11	2,5		
		<b>SRT55</b>	<b>9/330</b>	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	33	36	42
<b>Total manometric head in meters</b>																										
<b>Radial Impeller</b>																										
		<b>SRT40</b>	<b>4/400</b>	4	3		8		3	2"	50	41	40	37	35	31	28	20	14							
		<b>SRT55</b>	<b>5/400</b>	5,5	4		10		3	2"	64	52	51	49	46	42	38	29	20							
<b>Semi-Axial impeller</b>																										
		<b>SRT55</b>	<b>3/700</b>	5,5	4		10		3	2"	41				35	34	31	28	25	22	18	9				

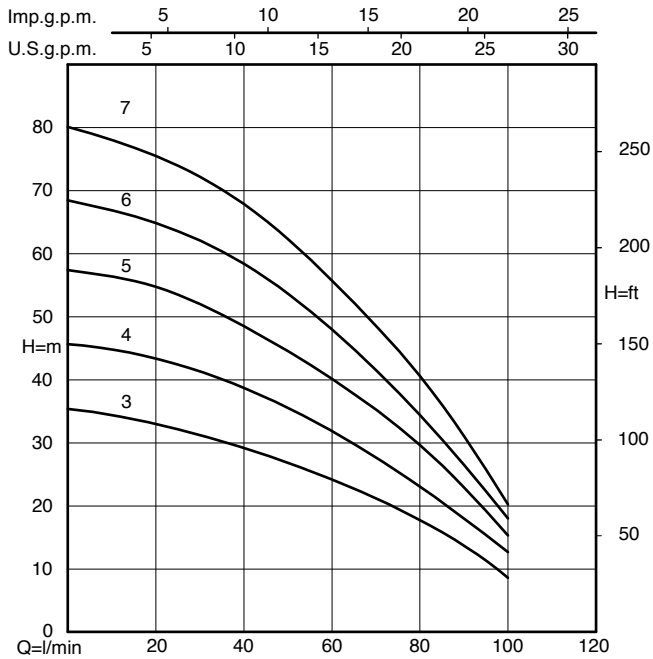
Type	Dimensions mm	Weight	Dimensions mm			Kg
			A	B	C	
<b>SRM15</b>	<b>3/200</b>	21,2	639	150	145	21,2
<b>SRM20</b>	<b>4/200</b>	24,0	700	150	145	24,0
<b>SRT15</b>	<b>3/200</b>	20,4	639	150	145	20,4
<b>SRT20</b>	<b>4/200</b>	20,8	675	150	145	20,8
<b>SRT30</b>	<b>5/200</b>	23,7	736	150	145	23,7
<b>SRM15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



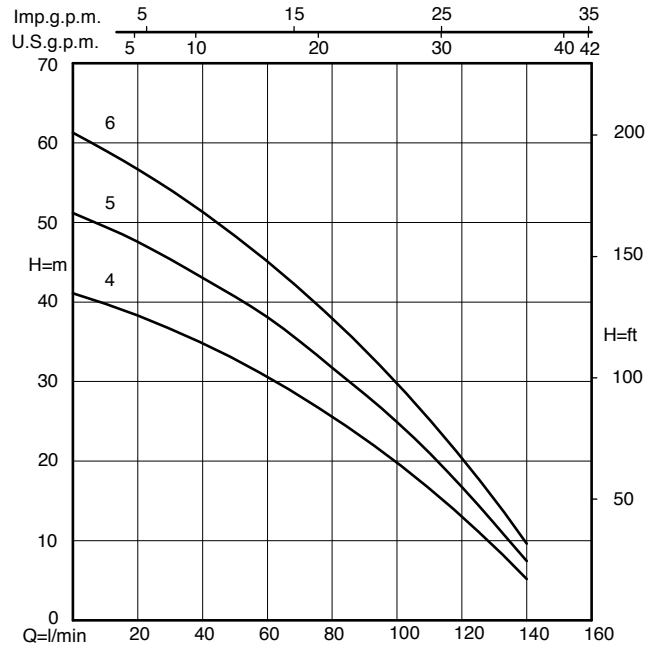
Type	Dimensions mm	Weight	Dimensions mm			Kg
			A	B	C	
<b>SRT40</b>	<b>11/230</b>	37,0	1375	60	142	37,0
<b>SRT55</b>	<b>13/230</b>	42,4	1496	60	142	42,4
<b>SRT55</b>	<b>9/330</b>	39,4	1352	60	142	39,4
<b>SRT40</b>	<b>4/400</b>	39,5	1185	60	142	39,5
<b>SRT55</b>	<b>5/400</b>	44,4	1284	60	142	44,4
<b>SRT55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

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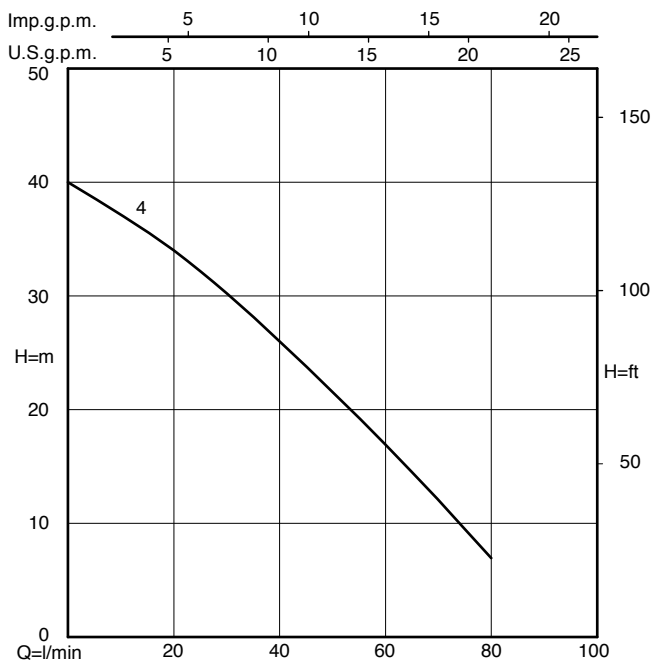
Series /100



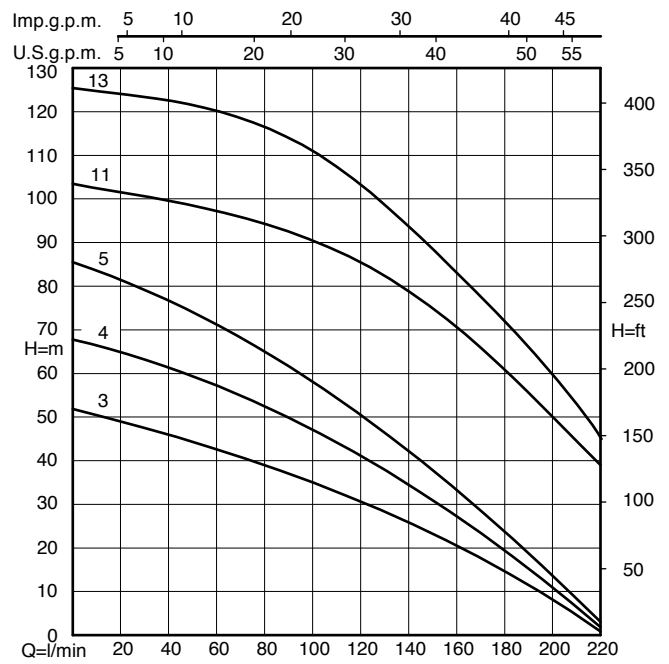
Series /140



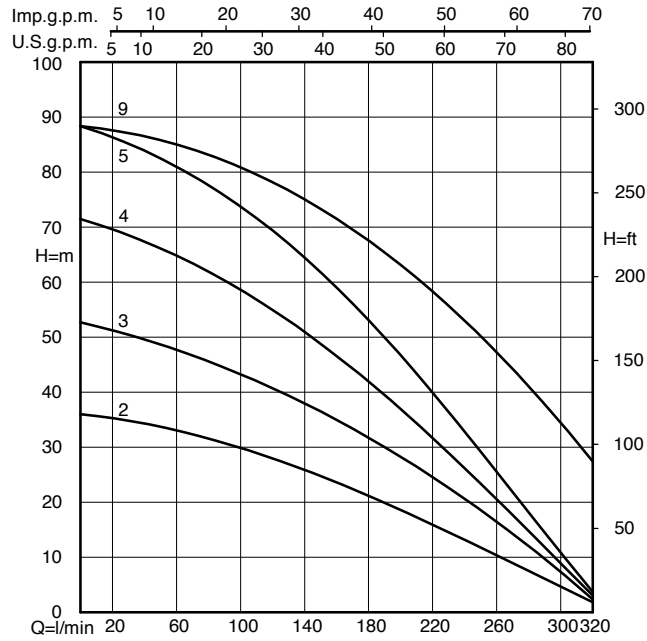
Series SRF /80



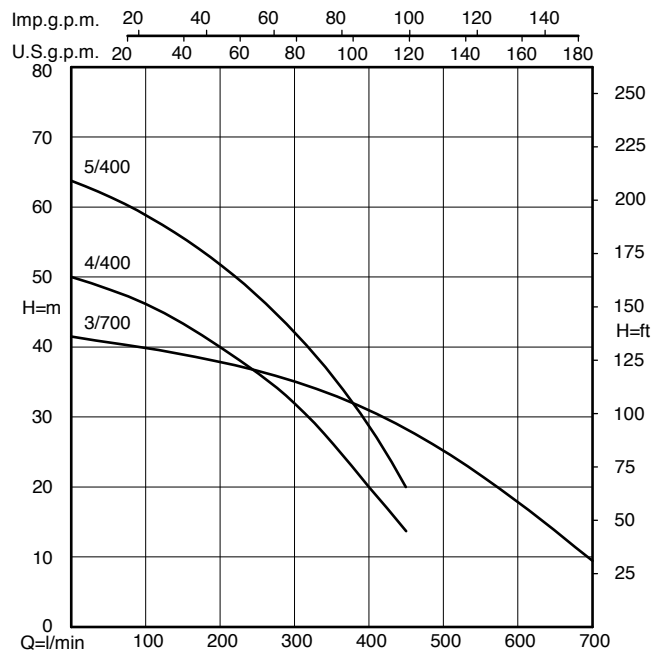
Series /200 - /230



Series /300 - /330



Series /400 - /700





SEMISOM