

SR



Electric submersible pumps SR

for tanks and reservoirs



APPLICATION

To pump water from tanks, reservoirs and boreholes

To pressurize civil, agricultural, industrial and fire-fighting plants

Irrigation

CONSTRUCTION

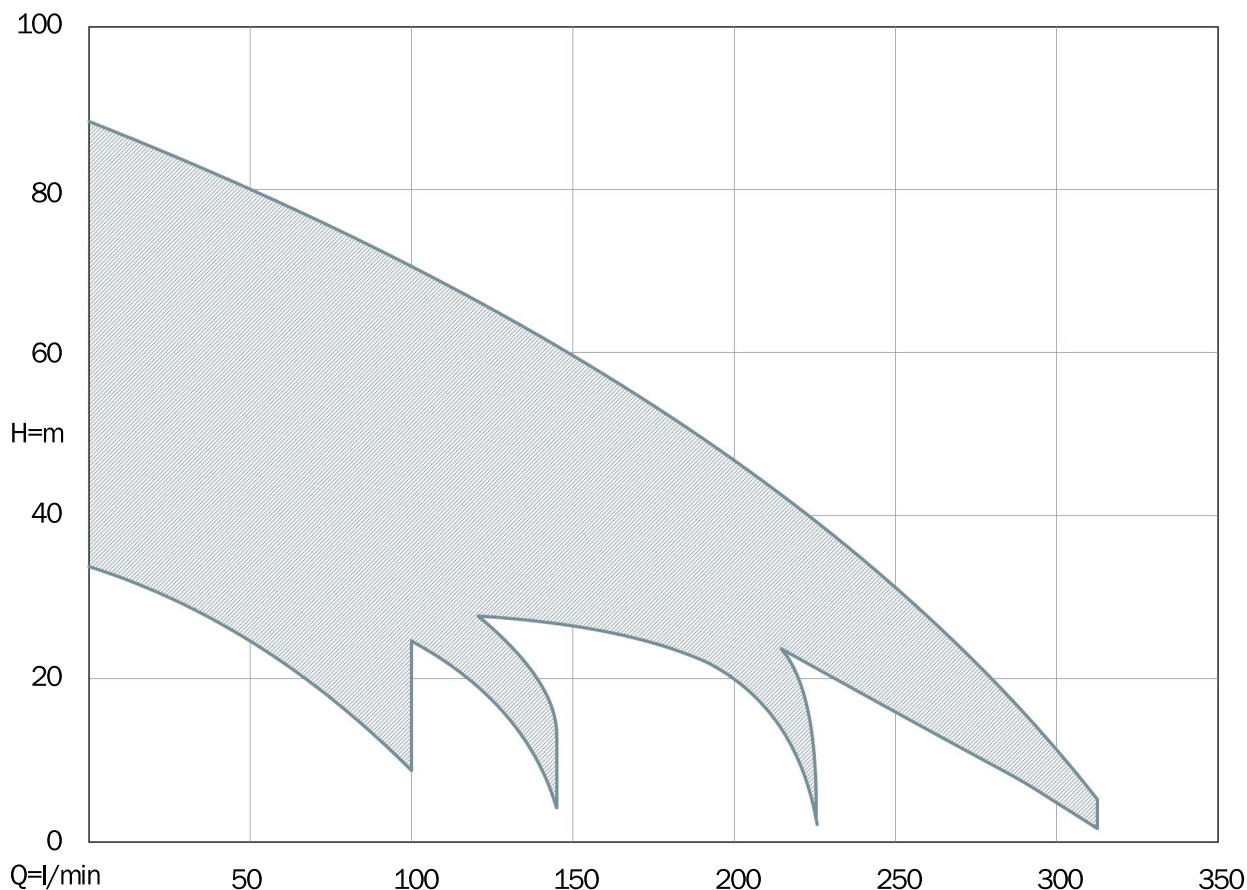
Series SR 100 - 140: AC asynchronous, rewindable electric dry motor with short circuit rotor with double mechanical seal and oil chamber in-between. Insulation Class F

Series SR 200 - 300: AC asynchronous, rewindable electric dry motor with short circuit rotor with double mechanical seal and oil chamber in-between. Insulation Class F; lubrication chamber for the ball bearing on the pump side

Series SR 80: 24V DC with permanent magnets motor. Insulation Class F

Resin-insulated cable kit to prevent penetration of water inside the motor

APPLICATION RANGE



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

APPLICATION FEATURES

	SR		
	/100	/140	/80
IP rating	IP68		
Duty	Continuous S1		Limited use S2 (60 minutes)
Minimum level of the liquid to be pumped (mm)	100		
Maximum immersion depth (m)	30		
Max number of starts per hour	40		
Max temperature of the liquid pumped (°C)	45		
PH of the liquid pumped	6 - 10		
Maximum sand content (g/m³)	50		
Suitable for inverter drive	Three-phase versions only		
Not suitable to operate horizontally			

MATERIALS

	SR		
	/100	/140	/80
Discharge, motor cover and central body	Brass OT58		
External casing, handle, motor casing, bolts and nuts	Stainless Steel AISI304		
Shaft	Stainless Steel AISI420B		
Impellers and diffusers	Noryl® reinforced with fibre-glass certified for drinkable water and Stainless Steel AISI304 wear rings		
Foot	Stainless Steel AISI304		
Mechanical seal	Silicon carbide and alumina		
Elastomers	NBR rubber		
Cable	PVC ACS AD8 (for permanent immersion in drinking water)		Twin Batt

APPLICATION FEATURES

	SR	
	/200	/300
IP rating	IP68	
Duty	Continuous S1	
Minimum level of the liquid to be pumped (mm)	150	
Maximum immersion depth (m)	20	
Max number of starts per hour	40	
Max temperature of the liquid pumped (°C)	45	
PH of the liquid pumped	6 - 10	
Maximum sand content (g/m³)	50	
Suitable for inverter drive	Three-phase versions only	
Not suitable to operate horizontally		


MATERIALS

	SR	
	/200	/300
Discharge, motor cover and central body	Brass OT58	
External casing, handle, motor casing, bolts and nuts	Stainless Steel AISI304	
Shaft	Stainless Steel AISI420B	
Impellers and diffusers	Noryl® reinforced with fibre-glass certified for drinkable water and Stainless Steel AISI304 wear rings	
Foot	ABS	
Mechanical Seal	Graphite and Alumina	
Elastomers	NBR rubber	
Cable	PVC ACS AD8 (for permanent immersion in drinking water)	


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PERFORMANCE DATA - 24 V DC

<div>Radial Impeller</div> <div></div>	P2		24 V DC	DNM	Q	Flow										
	hp	kW			A	m³/h	0	0,36	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8
			l/min			0	6	10	20	30	40	50	60	70	80	
SERIES 80																
SR 4/80	0,75	0,55	28	1"¼	H (m)	40	38	37	34	30	26	21	17	11	7	

PERFORMANCE DATA - 2 poles 60 Hz

<div>Radial Impeller</div> <div></div>	P2		1~230 V		3~400 V	DNM	Q	Flow												
	hp	kW	A	µF	A		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
							l/min	0	20	40	50	60	70	80	90	100	110	120	130	140
SERIES 100																				
SR 3/100	0,7	0,5	4,2	12,5		1"¼	H (m)	35	33	30	28	25	22	18	14	9				
SR 4/100	0,9	0,65	4,9	12,5	1,9	1"¼		46	44	39	36	32	28	23	18	11				
SR 5/100	1,1	0,8	6,5	16	2,4	1"¼		58	55	49	46	40	36	29	23	15				
SR 6/100	1,3	0,95	7,8	20	2,8	1"¼		69	64	58	54	49	42	35	26	17				
SR 7/100	1,6	1,2	8,9	25	3,2	1"¼		80	75	68	62	56	48	40	30	20				
SERIES 140																				
SR 4/140	1	0,75	5,9	12,5	2,2	1"¼	H (m)	41	38	35	33	31	29	26	23	20	17	14	10	6
SR 5/140	1,3	0,95	7,4	16	2,6	1"¼		51	48	44	41	38	35	32	29	25	21	17	13	8
SR 6/140	1,6	1,2	8,7	20	3,1	1"¼		62	57	52	49	46	42	38	34	30	25	20	15	10

PERFORMANCE DATA - 2 poles 60 Hz

<div>Radial Impeller</div> <div></div>	P2		1~230 V		3~400 V	DNM	Q	Flow											
	hp	kW	A	μF	A		m³/h	0	1,2	3,6	6	8,4	11,4	13,2	14,4	15,6	16,8	18	19,2
							l/min	0	20	60	100	140	190	220	240	260	280	300	320
SERIES 200																			
SR 3/200	1,5	1,1	8	25	3,1	2"	H (m)	51	49	43	35	26	11	0,5					
SR 4/200	2	1,5	10,5	35	3,8	2"		68	65	57	47	35	15	1					
SR 5/200	3	2,2			5	2"		86	81	71	59	43	19	1,5					
SERIES 300																			
SR 2/300	1,5	1,1	7,1	25	2,8	2"	H (m)	36		33	30	26	19	16	13	10	7	4	1
SR 3/300	2	1,5	10,5	35	3,8	2"		53		49	44	38	28,5	24	20	15	11	6,5	1,5
SR 4/300	3	2,2			5,1	2"		71		64	58	51	38	32	26	20	15	8,5	2
SR 5/300	4	3			6,2	2"		89		81	74	64	48	40	33	25	18	11	2,5