

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

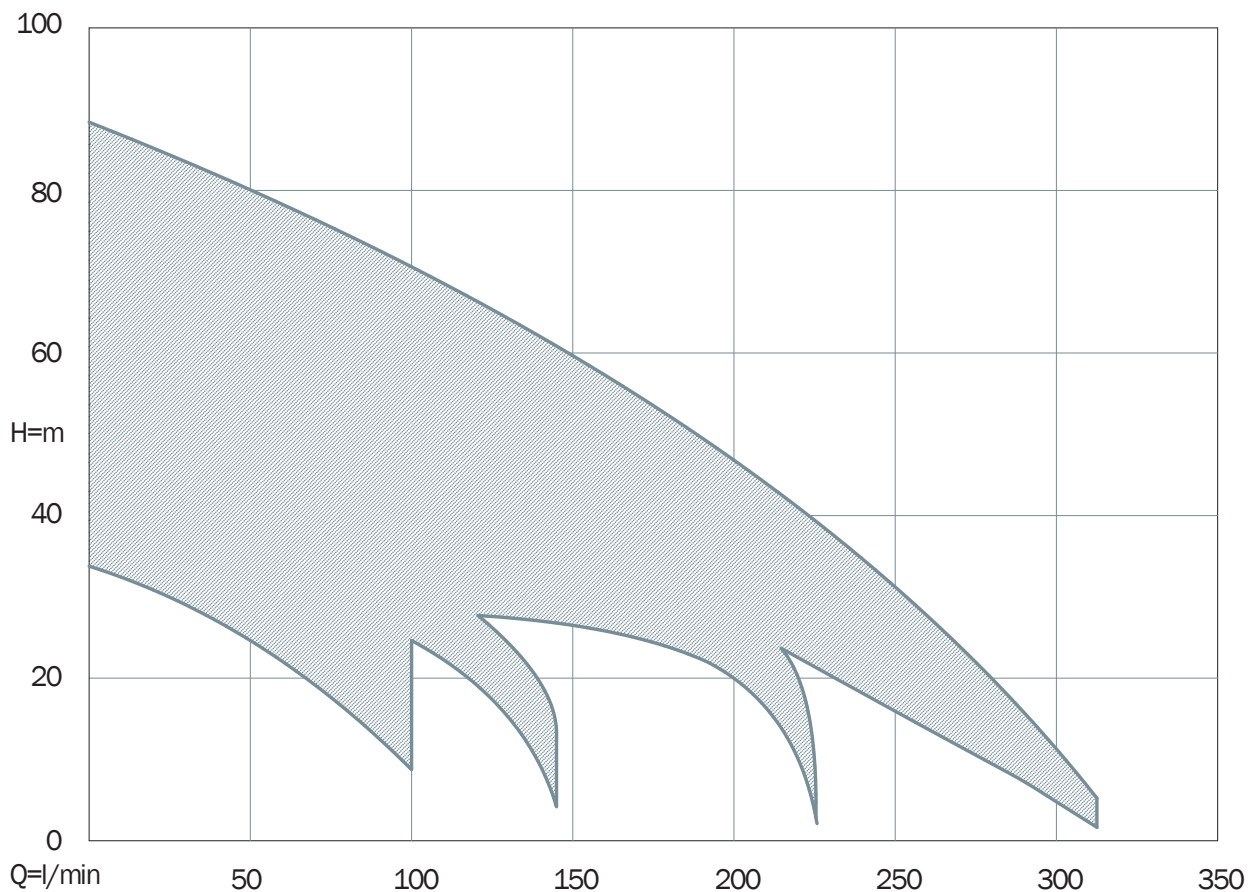
Series SR 100 - 140: AC asynchronous, rewindable electric dry motor with short circuit rotor with double mechanical seal and oil chamber in-between. Insulation Class F

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



Electric submersible pumps SR

for tanks and reservoirs



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/m ³)	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/m ³)	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)	


Electric submersible pumps SR

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PERFORMANCE DATA - 24 V DC

Radial Impeller 	P2		24 V DC			DNM	Q	Flow										
	hp	kW	A	A	A			m ³ /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
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

Radial Impeller 	P2		1~230 V		3~400 V		DNM	Q	Flow													
	hp	kW	A	µF	A	A			m ³ /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
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

Radial Impeller 	P2		1~230 V		3~400 V		DNM	Q		Flow									
	hp	kW	A	μF	A	m ³ /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

Electric submersible pumps SR series 80

for tanks and reservoirs

PERFORMANCE DATA - 24 V DC

Radial Impeller 	Code	Version		P2		P1	A	Flow		DNM	Dimensions (mm)			Weight kg
				hp	kW	kW		l/min	m		A	B	C	
SR 4/80	RF80/04/1	24 V	DC	0,75	0,55	0,67	28	6 - 30 - 80	38 - 30 - 7	1"¼	500	100	130	10,2



P1: Max. absorbed power - P2: Nominal power of the motor

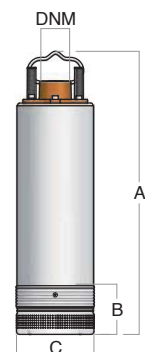
SUPPLIED WITH

5 meters power cable



ACCESSORIES

Code	Description	
03710036	Suction adaptor baseplate	
02076100	DC electromechanical, direct starter QDC	



PERFORMANCE CURVES - 24 V DC

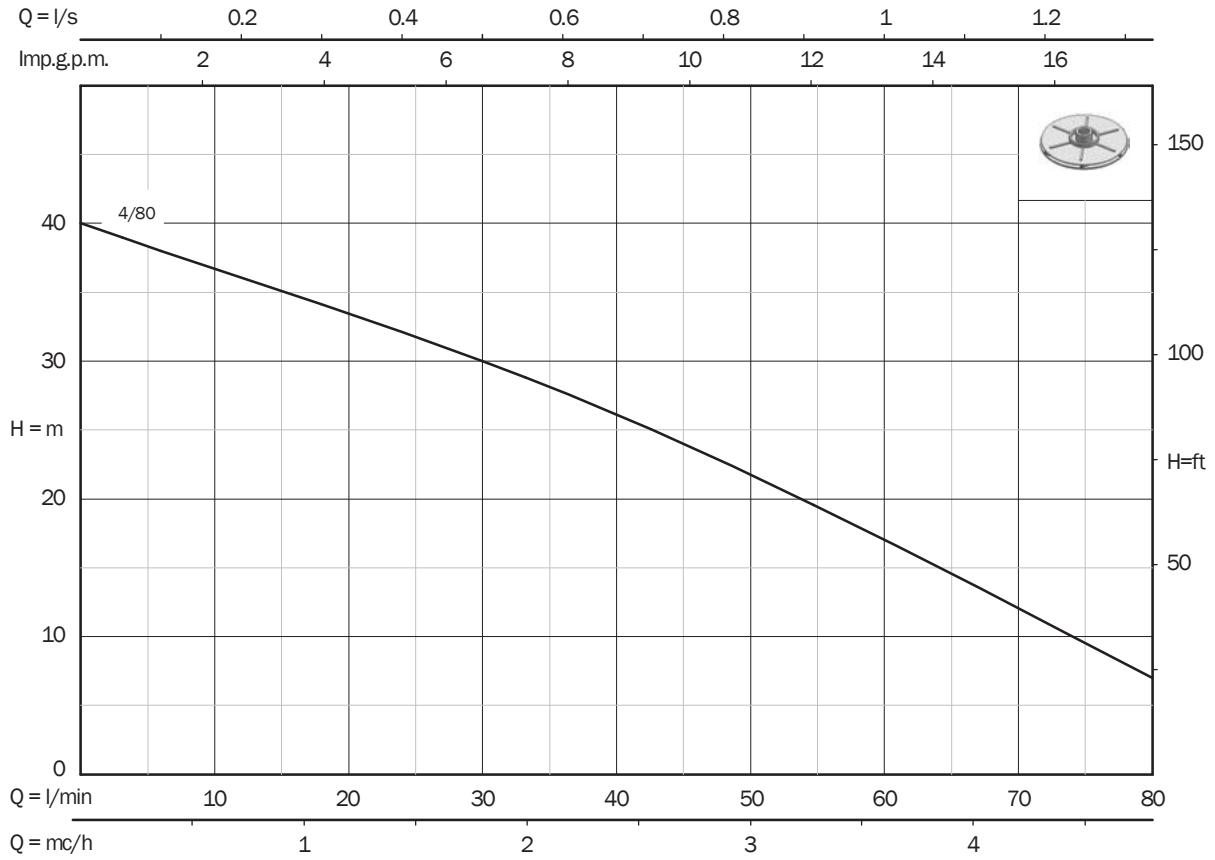
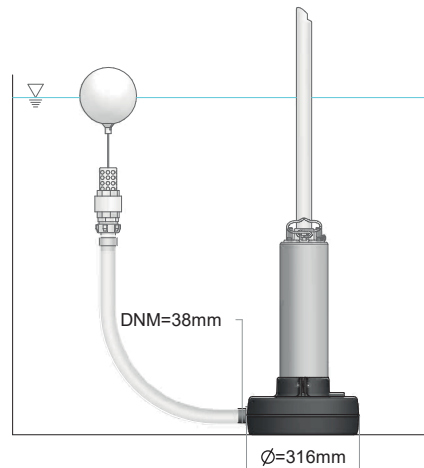



Illustration of how a suction adaptor baseplate can be installed



Electric submersible pumps SR series 100

for tanks and reservoirs

PERFORMANCE DATA - 2 poles 60 Hz

Radial Impeller 	Code	Version		P2		A	Flow		DNM	Dimensions (mm)			Weight kg
				hp	kW		l/min	m		A	B	C	
SR 3/100	RMZ100/03/2	230 V	1-phase	0,7	0,5	4,2	20 - 50 - 100	33 - 28 - 9	1"¼	437	100	130	11,3
	RMZ100/03+G/2	230 V	1-phase+float										11,5
SR 4/100	RMZ100/04/2	230 V	1-phase	0,9	0,65	4,9	20 - 50 - 100	44 - 36 - 11	1"¼	461	100	130	11,5
	RMZ100/04+G/2	230 V	1-phase+float										11,7
	RTZ100/04/1	400 V	3-phase										1,9
SR 5/100	RMZ100/05/2	230 V	1-phase	1,1	0,8	6,5	20 - 50 - 100	55 - 46 - 15	1"¼	500	100	130	12,8
	RMZ100/05+G/2	230 V	1-phase+float										13
	RTZ100/05/1	400 V	3-phase										2,4
SR 6/100	RMZ100/06/2	230 V	1-phase	1,3	0,95	7,8	20 - 50 - 100	64 - 54 - 17	1"¼	544	100	130	14,5
	RMZ100/06+G/2	230 V	1-phase+float										14,7
	RTZ100/06/1	400 V	3-phase										2,8
SR 7/100	RMZ100/07/2	230 V	1-phase	1,6	1,2	8,9	20 - 50 - 100	75 - 62 - 20	1"¼	588	100	130	16,5
	RMZ100/07+G/2	230 V	1-phase+float										16,7
	RTZ100/07/1	400 V	3-phase										3,2

SUPPLIED WITH

10 meters power cable



Capacitor (single-phase version)



Built-in thermal protection with manual reset
(single-phase versions)



OPTIONS

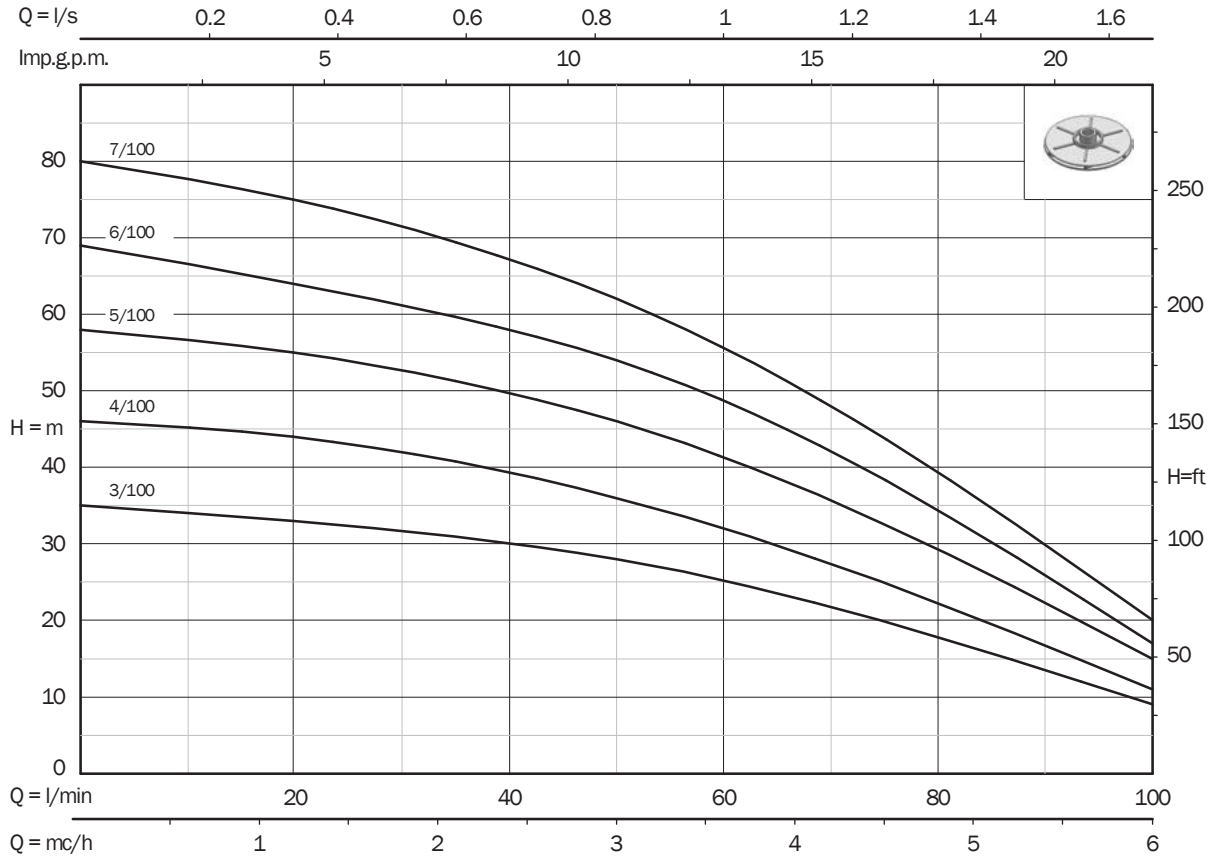
20 meters power cable



30 meters power cable



PERFORMANCE CURVES - 2 poles 60 Hz



ACCESSORIES




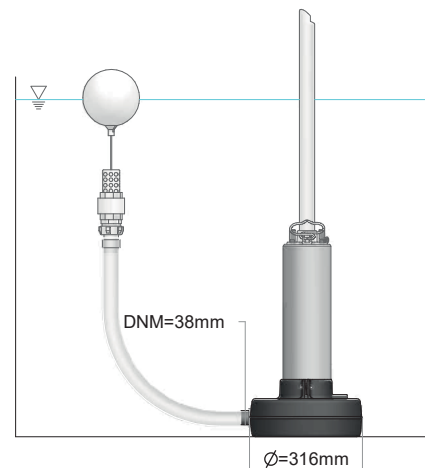
Code	Description	
03710036	Suction adaptor baseplate	
020700..	Single-phase direct starter QM IT with bipolar, illuminated thermal protector switch with facility to wire the capacitor	
020811..	Three-phase electromechanical direct starter QT MT	


Illustration of how a suction adaptor baseplate can be installed



Electric submersible pumps SR series 140

for tanks and reservoirs

PERFORMANCE DATA - 2 poles 60 Hz

Radial Impeller 	Code	Version		P2		A	Flow		DNM	Dimensions (mm)			Weight kg
				hp	kW		l/min	m		A	B	C	
SR 4/140	RMZ140/04/2	230 V	1-phase	1	0,75	5,9	20 - 90 - 140	38 - 23 - 6	1"1/4	461	100	130	11,6
	RMZ140/04+G/2	230 V	1-phase+float										11,8
	RTZ140/04/1	400 V	3-phase										2,2
SR 5/140	RMZ140/05/2	230 V	1-phase	1,3	0,95	7,4	20 - 90 - 140	48 - 29 - 8	1"1/4	500	100	130	13,2
	RMZ140/05+G/2	230 V	1-phase+float										13,4
	RTZ140/05/1	400 V	3-phase										2,6
SR 6/140	RMZ140/06/2	230 V	1-phase	1,6	1,2	8,7	20 - 90 - 140	57 - 34 - 10	1"1/4	544	100	130	14,6
	RMZ140/06+G/2	230 V	1-phase+float										14,8
	RTZ140/06/1	400 V	3-phase										3,1

SUPPLIED WITH

10 meters power cable



Capacitor (single-phase version)



Built-in thermal protection with manual reset (single-phase versions)



OPTIONS

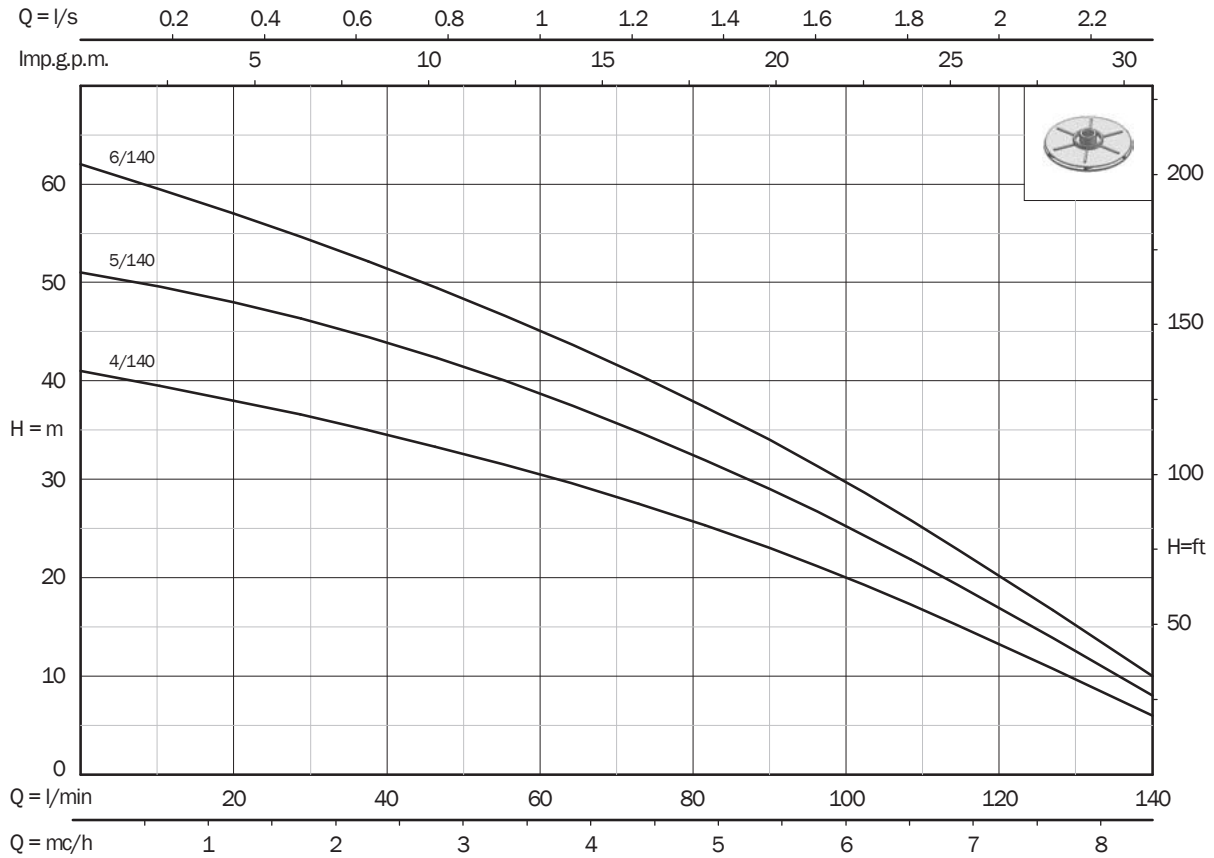
20 meters power cable



30 meters power cable



PERFORMANCE CURVES - 2 poles 60 Hz



ACCESSORIES




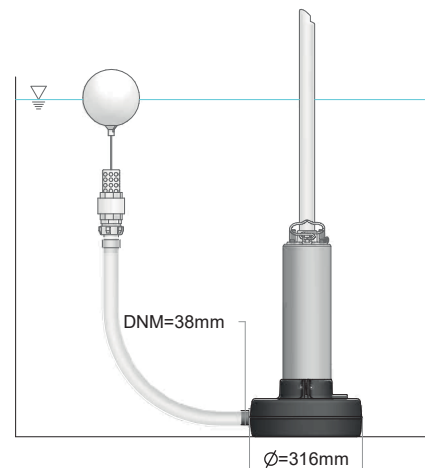
Code	Description	
03710036	Suction adaptor baseplate	
020700..	Single-phase direct starter QM IT with bipolar, illuminated thermal protector switch with facility to wire the capacitor	
020811..	Three-phase electromechanical direct starter QT MT	


Illustration of how a suction adaptor baseplate can be installed



Electric submersible pumps SR series 200

for tanks and reservoirs

PERFORMANCE DATA - 2 poles 60 Hz

Radial Impeller 	Code	Version		P2		A	Flow		DNM	Dimensions (mm)			Weight kg
				hp	kW		l/min	m		A	B	C	
SR 3/200	RMZ200/03	230 V	1-phase	1,5	1,1	8	20 - 140 - 220	49 - 26 - 0,5	2"	639	150	145	21,2
	RTZ200/03	400 V	3-phase			3,1							20,4
SR 4/200	RMZ200/04	230 V	1-phase	2	1,5	10,5	20 - 140 - 220	65 - 35 - 1	2"	700	150	145	24
	RTZ200/04	400 V	3-phase			3,8				675			20,8
SR 5/200	RTZ200/05	400 V	3-phase	3	2,2	5	20 - 140 - 220	81 - 43 - 1,5	2"	736	150	145	23,7

SUPPLIED WITH



10 meters power cable



Capacitor (single-phase versions)

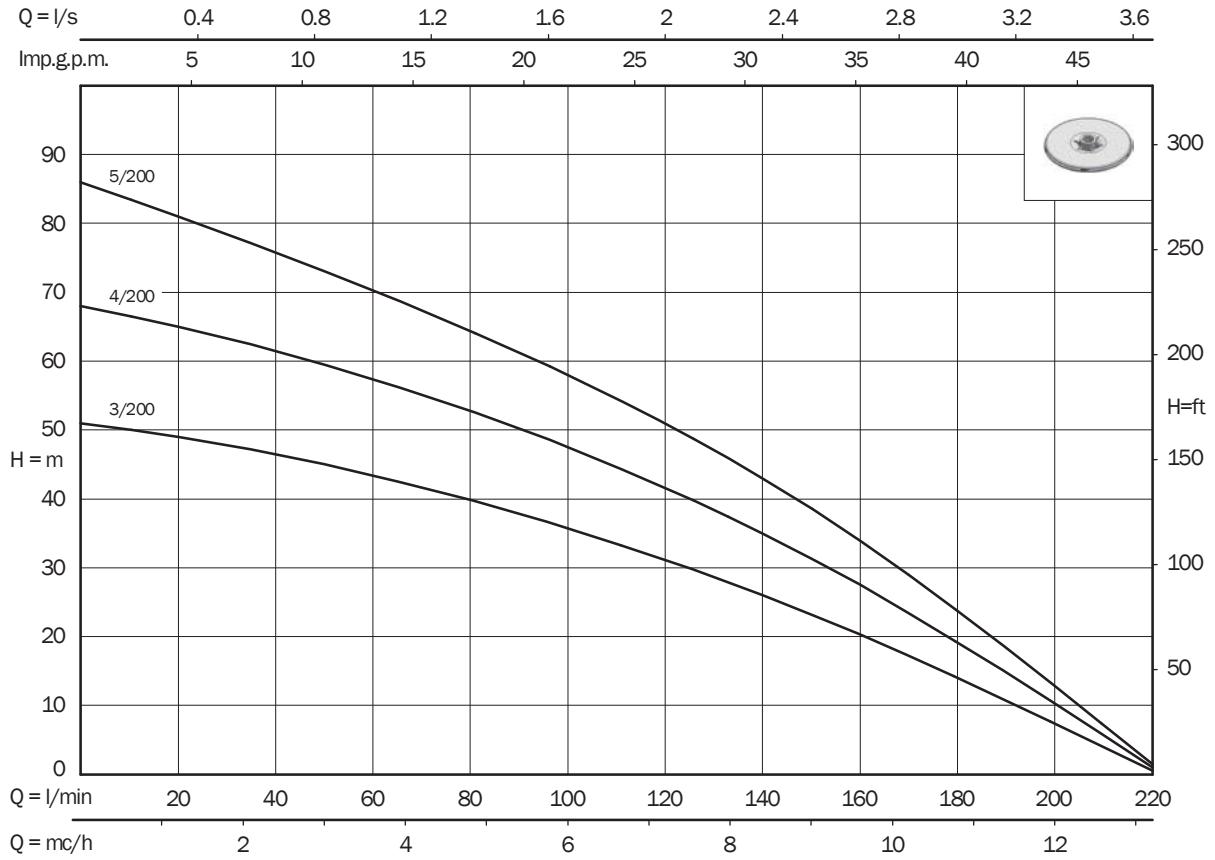


ACCESSORIES

Code	Description	
020700..	Single-phase direct starter QM IT with bipolar, illuminated thermal protector switch with facility to wire the capacitor	
020811..	Three-phase electromechanical direct starter QT MT	




PERFORMANCE CURVES - 2 poles 60 Hz



Electric submersible pumps SR series 300

for tanks and reservoirs

PERFORMANCE DATA - 2 poles 60 Hz

Radial Impeller 	Code	Version		P2		A	Flow		DNM	Dimensions (mm)			Weight kg
				hp	kW		l/min	m		A	B	C	
SR 2/300	RMZ300/02	230 V	1-phase	1,5	1,1	7,1	60 - 220 - 320	33 - 16 - 1	2"	603	150	145	20
	RTZ300/02	400 V	3-phase			2,8							19,8
SR 3/300	RMZ300/03	230 V	1-phase	2	1,5	10,5	60 - 220 - 320	49 - 24 - 1,5	2"	664	150	145	23,3
	RTZ300/03	400 V	3-phase			3,8							20,3
SR 4/300	RTZ300/04	400 V	3-phase	3	2,2	5,1	60 - 220 - 320	64 - 32 - 2	2"	700	150	145	23,5
SR 5/300	RTZ300/05	400 V	3-phase	4	3	6,2	60 - 220 - 320	81 - 40 - 2,5	2"	776	150	145	27

SUPPLIED WITH



10 meters power cable



Capacitor (single-phase versions)



ACCESSORIES

Code	Description	
020700..	Single-phase direct starter QM IT with bipolar, illuminated thermal protector switch with facility to wire the capacitor	
020811..	Three-phase electromechanical direct starter QT MT	



PERFORMANCE CURVES - 2 poles 60 Hz

