

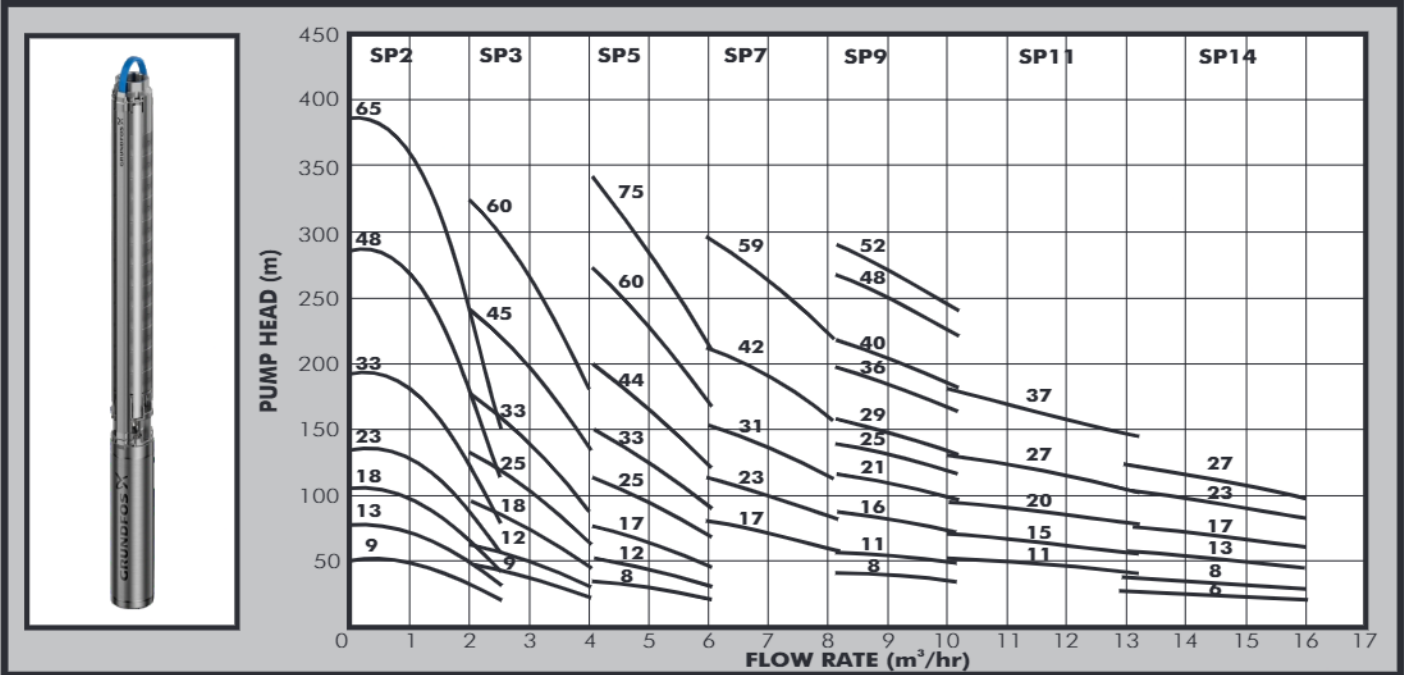
**UPDATED**

**GRUNDFOS®**



**SP-4"**

**Multistage Centrifugal Borehole Pumps**



**PUMP**

GRUNDFOS SP submersible pumps are designed specifically for borehole supply applications. They are of multistage centrifugal impeller design and all parts are made from stainless steel with water lubricated rubber bearings. A submersible motor is fitted beneath the pump and suction is effected through a strainer between the pump and motor.

Standard pumps are designed for the pumping of non-aggressive water. 'N' and 'R' versions are available for applications requiring a higher degree of corrosion resistance.

All SP pumps carry a drinking water approval and meet European Minimum Efficiency Index guidelines.

**MOTOR**

Pumps are coupled to sealed canned type liquid cooled 2-pole asynchronous GRUNDFOS motors constructed of stainless steel. Motors require remote controllers, the DAYLIFF electronic controller, which provides full control against fluctuating power input as well as wireless low level control being recommended for smaller motors and the GRUNDFOS MP204, which provides additional protection from mechanical failure as well as advanced monitoring features for motors of 7.5kW and above. Note that due to the low starting torques of submersible motors Direct-on-Line starting is recommended for all motor sizes.

**Enclosure Class:** IP55

**Insulation Class:** B

**Speed:** 2900rpm

**OPERATING CONDITIONS**

**Pumped liquids:** Thin, clean, chemically non-aggressive liquids without solid particles or fibres..

**Max. Liquid Temperature:** +40°C

**Min. Borehole Diameter:** 110mm (4" motor), 152mm (6" motor)

**PUMP DATA**

Model	Motor		Motor Diameter (")	Full Load Current (A)		Start Current (A)		DN (")	Dimensions (mm)						Weight (Kgs)	
	kW	HP		1X240V 3X415V		1X240V 3X415V			A		B		C	E	1X240V 3X415V	
				1X240V	3X415V	1X240V	3X415V		1X240V	3X415V	1X240V	3X415V			1X240V	3X415V
SP2A-9	0.37	0.5	4	3.8		13		1¼	600		256		344	101	11	
SP2A-13	0.55	0.75		5.5		19			719		291		428		13	
SP2A-18	0.75	1		7.0		26			839		306		533		15	
SP2A-23	1.1	1.5		7.1	3.7	31	16		984	944	346	306	638		17	16
SP2A-33	1.5	2		9.8	4.4	38	21		1089	1190	346	346	844		19	19
SP2A-48	2.2	3		14.0	5.7	62	26		1190	1554	346	346	1208		20	30
SP2A-65	3	4			8.1		35				2058		493		1565	

Model	Motor		Motor Diameter (")	Full Load Current (A)		Start Current (A)		DN (")	Dimensions					Weight (Kgs)					
	kW	HP		1X240V	3X415V	1X240V	3X415V		A		B		C	E	1X240V	3X415V			
									1X240V	3X415V	1X240V	3X415V							
SP3A-9	0.55	0.75	4	5.5		19		1 1/4	635		291		344	101	12				
SP3A-12	0.75	1		7.0		26			713		306		407		13				
SP3A-18	1.1	1.5		7.1	3.7	31	16		879	839	346	306	533		16	15			
SP3A-25	1.5	2		9.8	4.4	38	21		1026	1026	346	346	680		18	18			
SP3A-33	2.2	3		14.0	5.7	62	26		1421	1194	573	346	848		30	21			
SP3A-45	3	4			7.9		35			1638		493	1145			34			
SP3A-60	4	5.5			9.6		46			2033		573	1480			43			
SP5A-8	0.75	1	4	7.0		26		1 1/2	630		306		324	101	13				
SP5A-12	1.1	1.5		7.1	3.4	31	16		754	714	346	306	408		15	13			
SP5A-17	1.5	2		9.8	4.2	38	21		859	859	346	346	513		17	16			
SP5A-25	2.2	3		14.0	5.5	62	26		1254	1027	573	346	681		28	19			
SP5A-33	3	4			7.9		35			1342		493	849			26			
SP5A-44	4	5.5			9.6		46			1697		573	1124			38			
SP5A-60	5.5	7.5			13.0		64			2133		673	1460			60			
SP5A-75	7.5	10	6		16.6	83		2711		565	2146		88						
SP7-17	2.2	3	4		5.5	26		1 1/2		1545		457	1088	101		27			
SP7-23	3	4			7.9	35				1885		497	1388			35			
SP7-31	4	5.5			9.7	58				2365		577	1788			44			
SP7-42	5.5	7.5			13.0	82				3105		677	2428			55			
SP7-59	7.5	10			18.8	118				3965		777	3188			79			
SP9-8	1.5	2	4	10.2	4.2	56	21	2	1025	1025	387	387	638	140	22	22			
SP9-11	2.2	3		14.0	5.5	98	26		1365	1175	577		788		34	25			
SP9-16	3	4			7.9	35				1535		497	1038			56			
SP9-21					9.6	58				1865		577	1288			44			
SP9-25										2165			1488			80			
SP9-29	5.5	7.5			13.0	82				2365		677	1688			83			
SP9-36				6		18.8	118				2815		777		2038		94		
SP9-40	7.5	10			17.2	105			2878		577	2301		106					
SP9-48	9.2	12			21.2	110			3308		607	2701		126					
SP9-52	11	15			25	107			3538		637	2901		132					
SP11-11	2.2	3	4			5.7	27		2		1409		346	1063	101		26		
SP11-15	3	4			8.1	40				1860		497	1363			34			
SP11-20	4	5.5			9.8	52				2315		577	1738			42			
SP11-27	5.5	7.5			13.4	74				2940		677	2263			52			
SP11-37	7.5	10			19.6	108				3790		777	3013			64			
SP14-6	1.5	2		4	10	4.2	40	21		2	1034	1075	346	387		688	140	23	22
SP14-8	2.2	3			14	5.5	62	23			1414	1225	576	87		838		34	25
SP14-13	3	4			7.9	35			1710			497	1213		38				
SP14-17	4	5			9.6	58			2090			577	1513		74				
SP14-23	5.5	7			13.7	75			2640			677	1963		87				
SP14-27	7.5	10	6			17.2	105				2903		577	2326		107			

