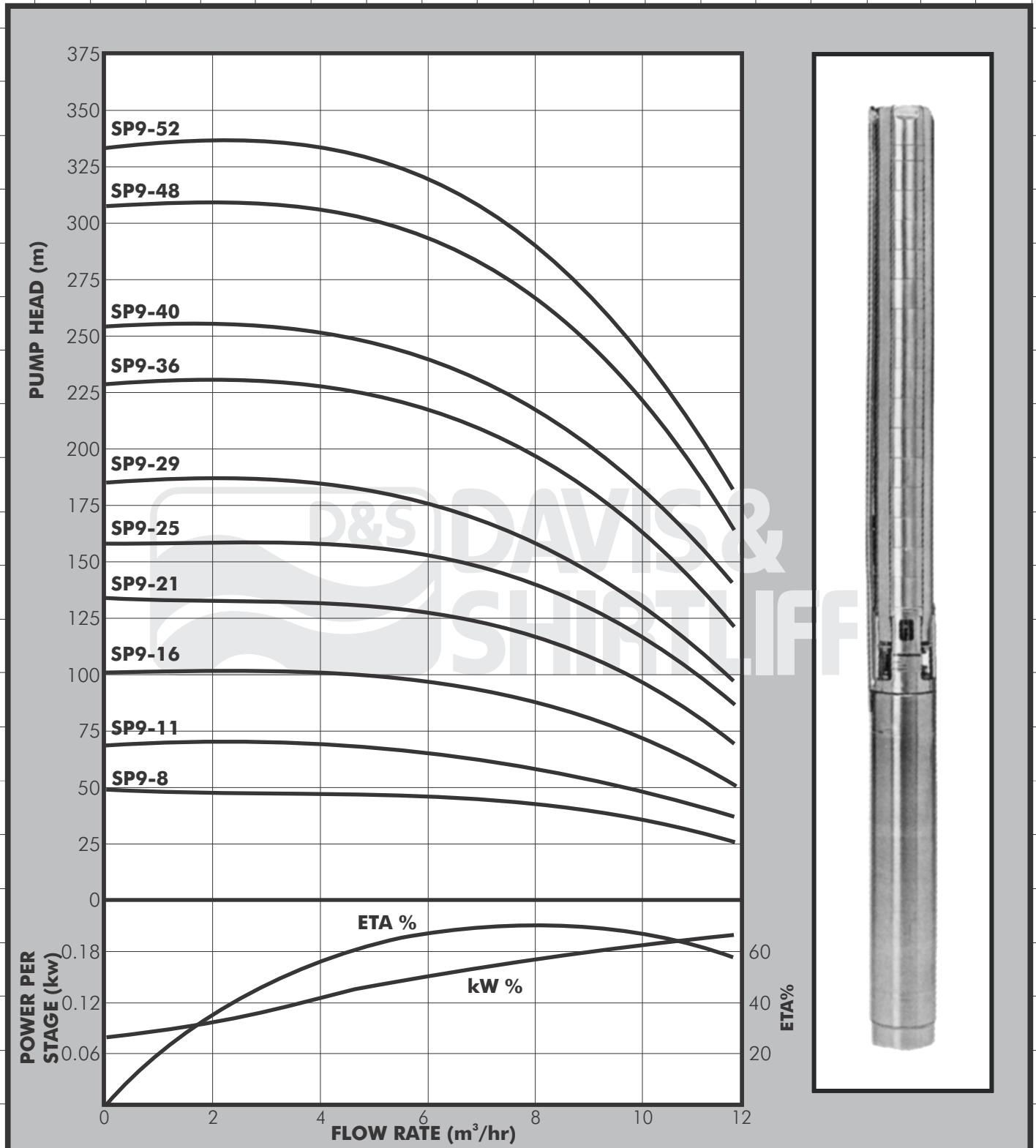




DATA SHEET

Multistage Centrifugal Borehole Pumps

SP9



PUMP

GRUNDFOS SP pumps are designed for a wide range of uses with a particular application to borehole supply. They are of multistage centrifugal impeller design and all parts are made from 304 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 : IP58

Insulation Class: F

Speed: 2900 rpm

OPERATING CONDITION

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

Max. Liquid Temperature: +40°C

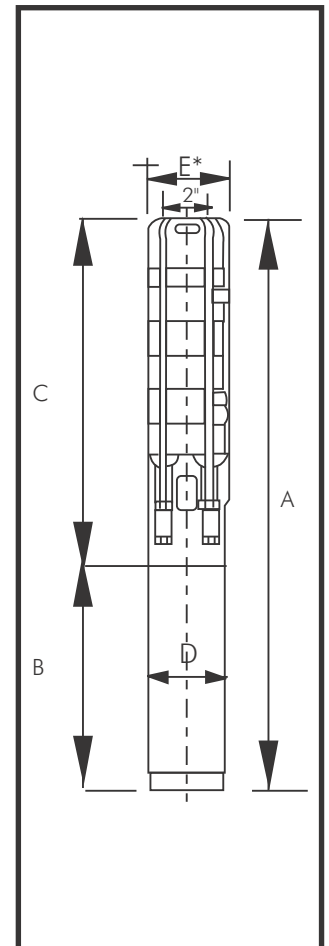
Max. Water Depth: Up to 1.5 kW 1ph & 2.2 kW 3 ph -150m

All other models -600m

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

ELECTRICAL DATA

Pump Type	Motor Dia	Motor		Full Load Current (A)		Start Current (A)	
		kW	HP	1X240V	3X415V	1X240V	3X415V
SP9-8	4"	1.5	2.0	10.2	4.2	56.1	21
SP9-11		2.2	3.0	14.0	5.5	98	26
SP9-16		3.0	4.0		7.9		35
SP9-21		4.0	5.5		9.6		58
SP9-25		5.5	7.5		13.0		82
SP9-29		7.5	10.0		18.8		118
SP9-36	6"				17.2		105
SP9-40		9.2	12.0		21.2		110
SP9-48					25.0		107
SP9-52		11.0	15.0				



DIMENSIONS AND WEIGHTS

Pump Type	Dimensions						Net Weight (kg)		
	A		B		C	D	E*	1X240V	3X415V
	1X240V	3X415V	1X240V	3X415V					
SP9-8	1025	1025	387	387	638	95	101	22	22
SP9-11	1365	1175	577		788			34	25
SP9-16		1535		497	1038			56	
SP9-21		1865		577	1288			44	
SP9-25		2165		677	1488			80	
SP9-29		2365		777	1688			83	
SP9-36		2815		777	2038	94			
SP9-40		2878		577	2301	106			
SP9-48		3308		607	2701	140	140	126	
SP9-52		3538		637	2901			132	

E* = Maximum diameter of the pump inclusive of cable guard and motor

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