

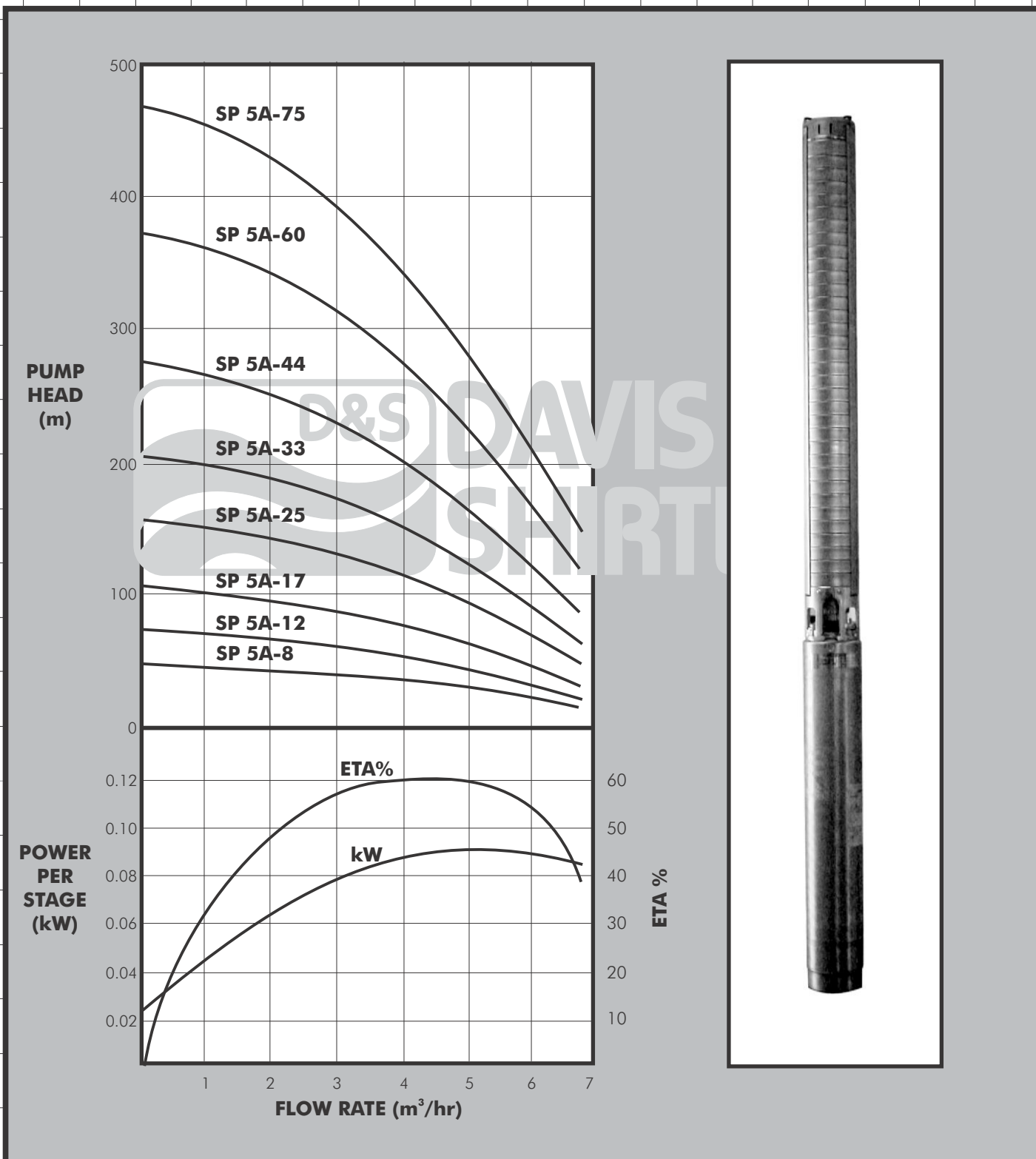
GRUNDFOS®



DATA SHEET

Multistage Centrifugal Borehole Pumps

SP 5A



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 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 low starting torques of submersible motors direct on low starting is recommended for all motor sizes.

Enclosure Class: IP58

Insulation Class: F

Speed: 2900rpm

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 1 ph and 2.2kW 3ph -150m

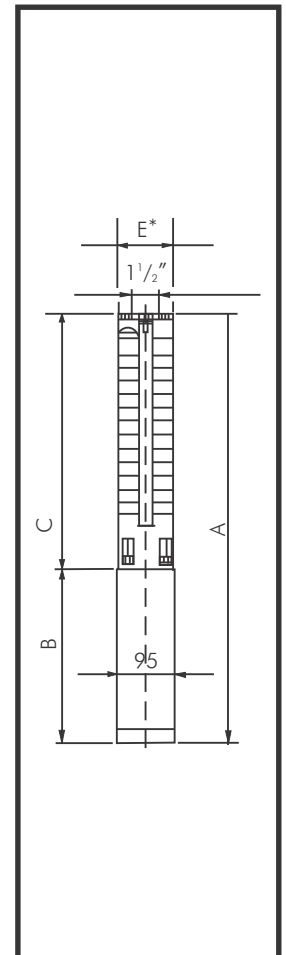
Min. Borehole Diameter: 110mm (4" motor), 152mm (6" motor)

ELECTRICAL DATA

Pump Type	Motor Dia	Motor		Full Load Current (A)		Start Current (A)	
		kW	HP	1x240 V	3x415 V	1x240 V	3x415 V
SP 5A-8	4"	0.75	1.0	7.0		26	
SP 5A-12	4"	1.1	1.5	7.1	3.4	31	16
SP 5A-17	4"	1.5	2.0	9.8	4.2	38	21
SP 5A-25	4"	2.2	3.0	14.0	5.5	62	26
SP 5A-33	4"	3.0	4.0		7.9		35
SP 5A-44	4"	4.0	5.5		9.6		46
SP 5A-60	4"	5.5	7.5		13.0		64
SP 5A-60	6"	5.5	7.5		13.6		69
SP 5A-75	6"	7.5	10		16.6		83

DIMENSIONS AND WEIGHT

Pump Type	Dimensions (mm)				C	D	E*	Weight (kg)	
	A		B					1x240 V	3x415 V
	1x240 V	3x415 V	1x240 V	3x415 V					
SP 5A-8	630		306		324	95	101	13	
SP 5A-12	754	714	346	306	408	95	101	15	13
SP 5A-17	859	859	346	346	513	95	101	17	16
SP 5A-25	1254	1027	573	346	681	95	101	28	19
SP 5A-33		1342		493	849	95	101		26
SP 5A-44		1697		573	1124	95	101		38
SP 5A-60		2133		673	1460	95	101		60
SP 5A-60		2057		535	1522	143	138		63
SP 5A-75		2711		565	2146	143	140		86



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

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