

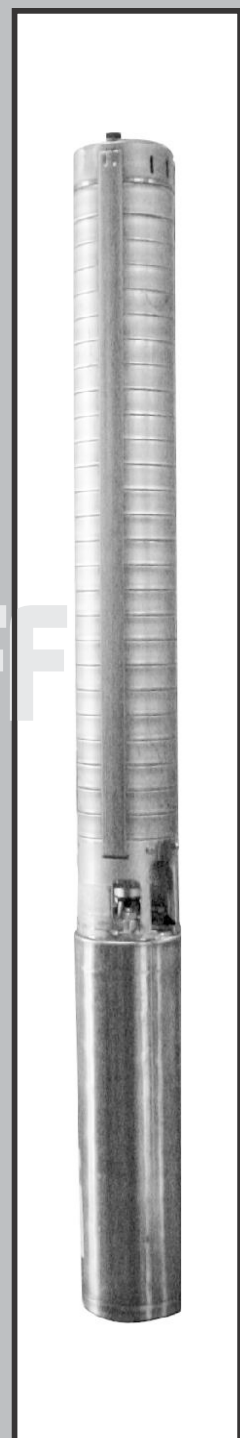
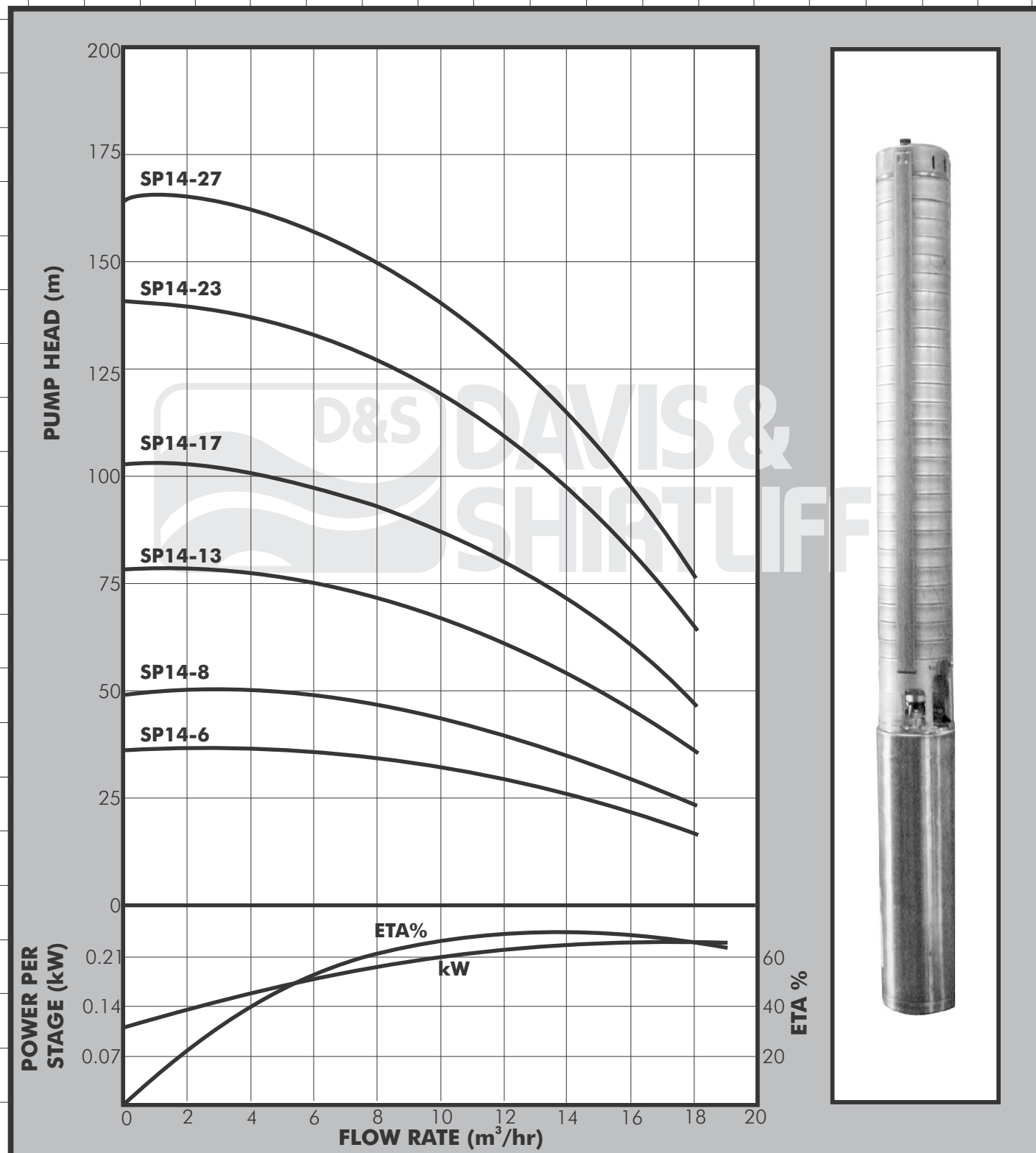
GRUNDFOS®



DATA SHEET

Multistage Centrifugal
Borehole Pumps

SP14



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 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 CONDITIONS

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

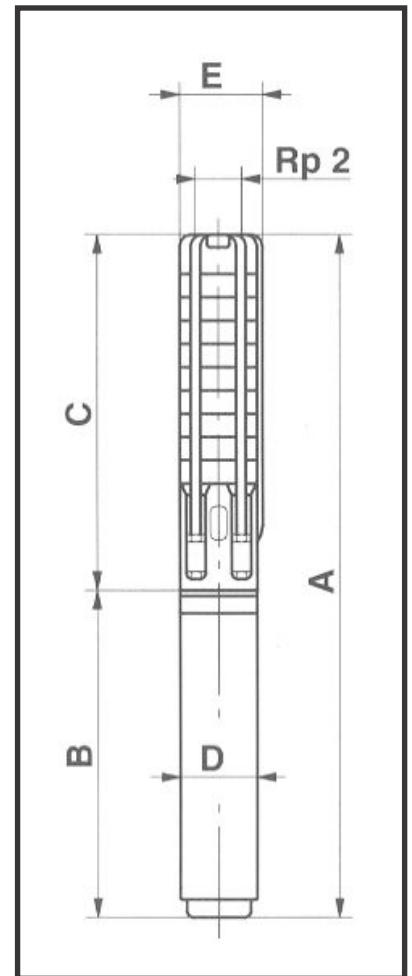
Max. Liquid Temperature: +40°C

Max. Water Depth: 600m

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

ELECTRICAL DATA

Pump Type	Motor			Voltage (V)	Full Load Current (A)	Start Current (A)
	Dia	kW	HP			
SP14-6	4"	1.5	2.0	1x240	10	40
				3x415	4.2	21
SP14-8		2.2	3.0	1x240	14	62
				3x415	5.5	23
SP14-13		3.0	4.0	3x415	7.9	35
SP14-17		4.0	5.0		9.6	58
SP14-23	5.5	7.0	13.7		75	
SP14-27	6"	7.5	10.0		17.2	105



DIMENSIONS AND WEIGHTS

Pump Type	Voltage (V)	Dimensions (mm)					Net Weight (kgs)
		A	B	C	D	E	
SP14-6	1x240	1034	346	688	95	101	23
	3x415	1075	387				22
SP14-8	1x240	1414	576	838	95	101	34
		1225	387				25
SP14-13	3x415	1710	497	1213	95	101	38
SP14-17		2090	577	1513			74
SP14-23		2640	677	1963			87
SP14-27		2903	577	2326			140

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