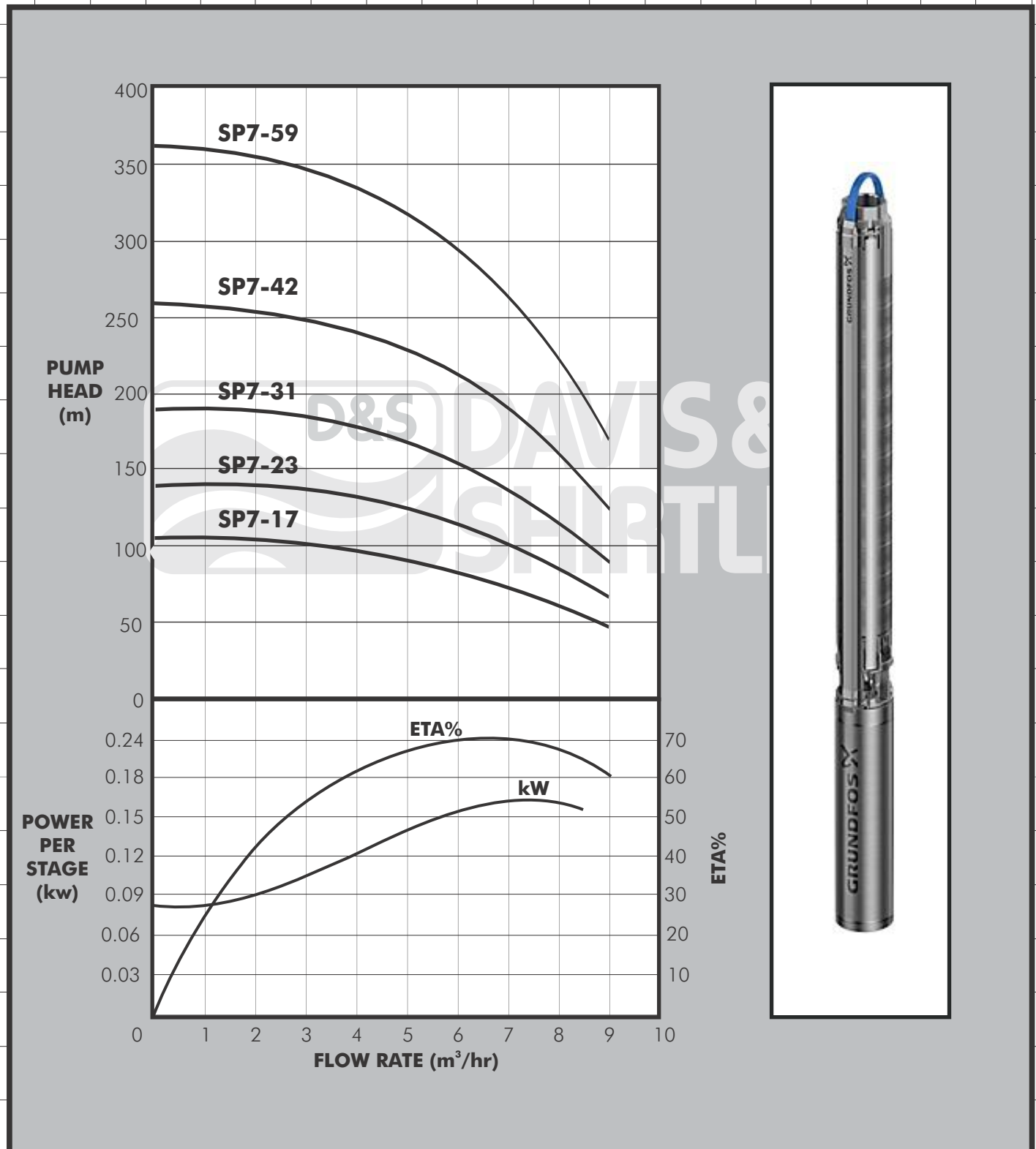


## DATA SHEET

## Multistage Centrifugal Borehole Pumps

## SP7



## 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 sizing.

**Enclosure Class :** IP58

**Insulation Class:** F

**Speed:** 2900rpm

## OPERATING CONDITION

**Pumped Liquid:** Thin, clean, chemically non-aggressive liquids without solid.

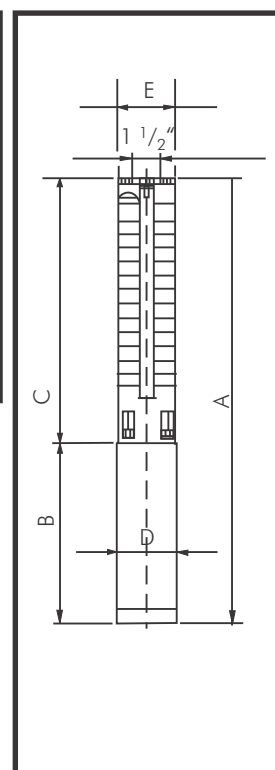
**Max. Liquid Temperature:** +40°C

**Max. Water Depth:** Up to 2.2 kW 3 ph - 150 m and 3kW to 7.5kW 3ph -600m

**Min. Borehole Diameter:** 110mm

## PUMP DATA

Pump Type	Motor Dia	Motor		Full Load Current (A)	Start Current (A)	Dimensions (mm)					Weight (kg)
		kW	HP			A	B	C	D	E	
SP 7-17	4"	2.2	3.0	5.5	26	1545	457	1088	95	101	27
SP 7-23		3.0	4.0	7.9	35	1885	497	1388			35
SP 7-31		4.0	5.5	9.7	58	2365	577	1788			44
SP 7-42		5.5	7.5	13	82	3105	677	2428			55
SP 7-59		7.5	10.0	18.8	118	3965	777	3188			79



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