

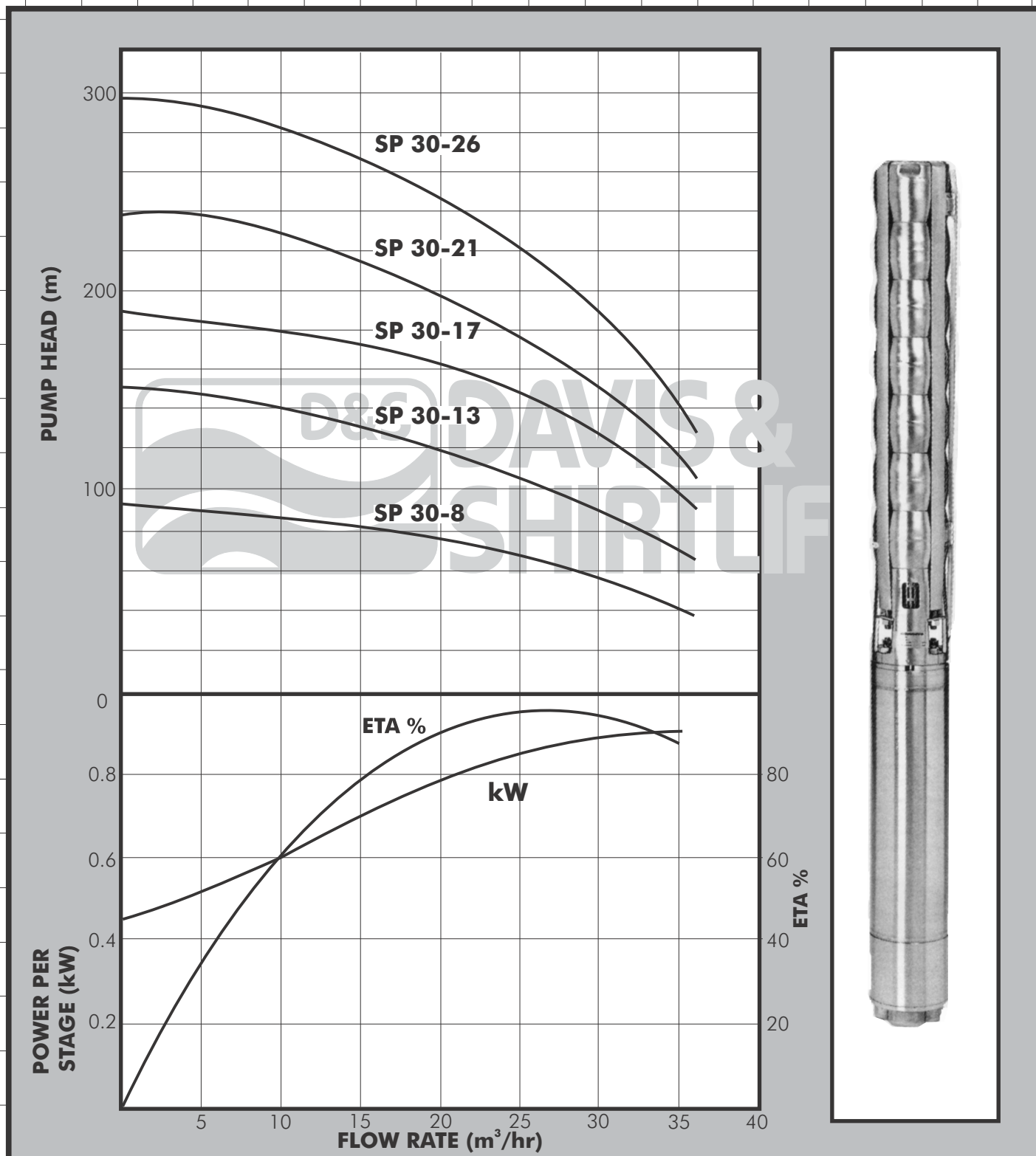
GRUNDFOS®



DATA SHEET

Multistage Centrifugal
Borehole Pumps

SP 30



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

The pump is coupled to a sealed, liquid cooled 2-pole asynchronous GRUNDFOS motor constructed of stainless steel with ceramic bearings. Motors are also fitted with a built-in sensor which monitors running temperature. When fitted with the patented GRUNDFOS MP 204 control unit protection is provided against dry running, mechanical motor defects, excessive motor running temperature and irregular power supply. The fitting of a MP 204 unit is recommended for motor control and monitoring and also extended motor life.

Note that irrespective of the fitting of a MP 204 control unit a remote starter is required. Due to the low starting torques of submersible motors it is recommended that Direct-on-Line starters are used for all motor sizes.

Enclosure Class : IP58

Insulation Class: H

Voltage: 3x415V

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: 600 m

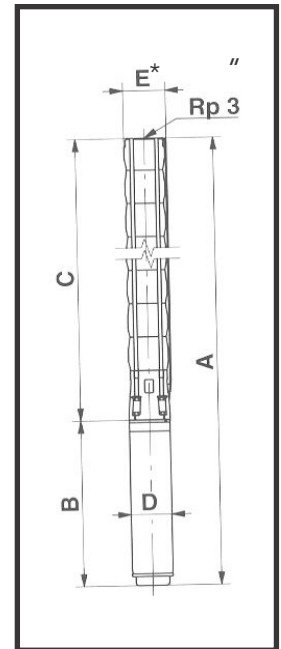
Min. Borehole Diameter: 200 mm

ELECTRICAL DATA

Model	Motor		Full Load Current (A)	I start I
	kW	HP		
SP 30-8	7.5	10	18.8	4.5
SP 30-13	11	15	24.8	4.7
SP 30-17	15	20	34.0	5
SP 30-21	18.5	25	42.2	5.1
SP 30-26	22	30	48.0	5

DIMENSIONS AND WEIGHTS

Model	Motor	Dimensions (mm)					Weight (kg)
		A	B	C	D	E*	
SP 30-8	MS6000	1602	565	1037	95	142	53
SP 30-13	MS6000	2151	634	1517	138	142	72
SP 30-17	MS6000	2600	699	1901	138	142	85
SP 30-21	MS6000	3039	754	2285	138	142	98
SP 30-26	MS6000	3579	814	2765	138	142	112



E* = Maximum diameter of the pump with one motor cable

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