



### 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 squirrel-cage GRUNDFOS motor constructed of stainless steel. Single phase motors require control boxes, while three phase motors require a remote Direct-on-Line starter. If unstable supply voltage is likely an additional quick tripping control relay is recommended.

**Enclosure Class:** IP58

**Insulation Class:** B

**Speed:** 2900 rpm

### OPERATING CONDITIONS

**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 2.2 kW 3 ph - 150 m  
2.2 kW 1 ph and 3 & 4 kW 3 ph - 600 m

**Minimum Borehole Diameter:** 110mm

### PUMP DATA

Model	Motor		Full Load current (A)		Start current (A)		Dimensions (mm)						Weight (kg)	
							A		B		C			
	kW	HP	1x240V	3x415V	1x240V	3x415V	1x240V	3x415V	1x240V	3x415V				
SP 3A-9	0.55	0.75	5.5		19		635		291		344	12		
SP 3A-12	0.75	1.0	7.0		26		713		306	276	407	13		
SP 3A-15	1.1	1.5	7.1	3.7	31	16	816	776	346	306	470	16	14	
SP 3A-18	1.1	1.5	7.1	3.7	31	16	879	839	346	306	533	16	15	
SP 3A-25	1.5	2.0	9.8	4.4	38	21	1026	1026	346	346	680	18	18	
SP 3A-33	2.2	3.0	14.0	5.7	62	26	1421	1194	573	346	848	30	21	
SP 3A-45	3.0	4.0		7.9		35		1638		493	1145		34	
SP 3A-60	4.0	5.5		9.6		46		2033		573	1460		43	

