



APPLICATIONS

SP pumps are primarily used to pump raw water from underground. The pumps are installed in boreholes or wells submerged below water. They are also suitable for raw water supply, irrigation, ground water lowering, pressure boosting, fountain applications as well as mining.

CONSTRUCTION FEATURES

Energy optimized ErP ready stainless steel centrifugal submersible pump coupled to asynchronous two pole submersible motor made in AISI 304 stainless steel for parts in contact with water. Cooling and lubrication of the thrust bearing and carbon brushes is provided by a mixture of water and glycol.

OPERATING CONDITIONS

To ensure long and trouble free life, it is important the following are observed.

Electrical Protection

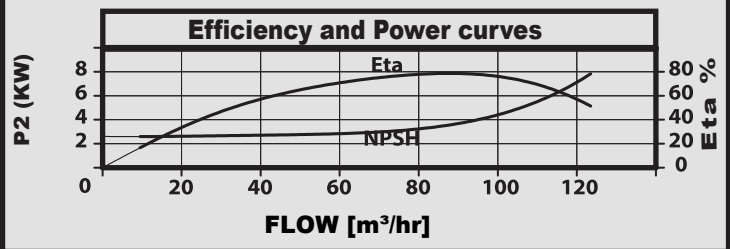
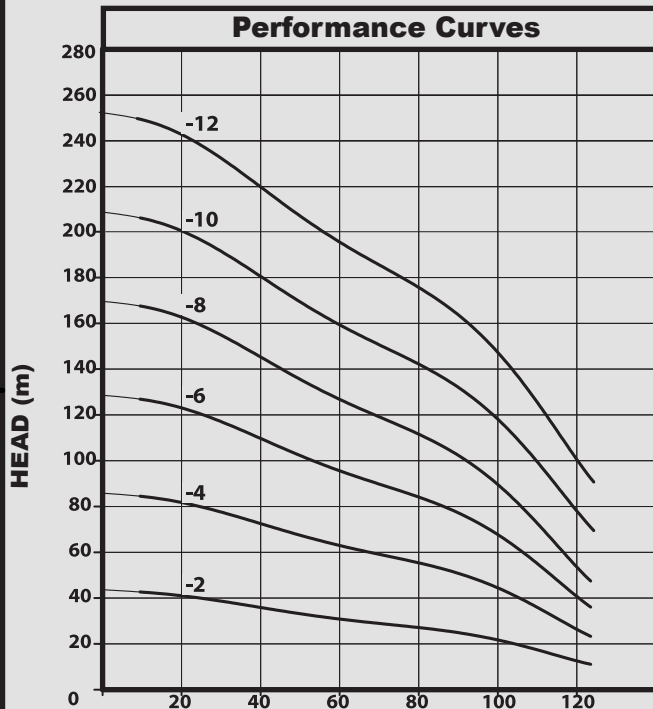
A suitably sized control panel incorporating a Grundfos MP204 controller should be fitted to protect the pump.

Minimum and Maximum Flow Rate

To ensure sufficient cooling of the motor, the pump must NOT run continuously at a flow rate below 0.1 X nominal flow rate or above 1.3 X nominal flow rate due to upthrust and cavitation.

Pump Liquids: Clean, thin, non aggressive liquids not containing solid particles or fibre larger than sand grains.

Max. Sand content: 50ppm **Liquid temp:** 40°C **Min. Borehole Diameter:** 200/254mm **Max. Install. depth below water:** 600m



TECHNICAL DATA

MODEL	Motor Type	Power (kW)	Full Load Current (A)	Dimensions					Weight [kg]
				A	B	C	D	E	
SP 95-2	MS6000	9.2	21.8	1350	604	746	139.5	178	68
SP 95-4	MS6000	18.5	42	1757	754	1003	139.5	178	91
SP 95-6	MS6000	26	57	2133	874	1259	139.5	178	110
SP 95-8	MMS6	37	78.5	2827	1312	1515	143	178	168
SP 95-10	MMS8000	45	96.5	3055	1270	1785	192	196	233
SP 95-12	MMS8000	55	114	3393	1350	2043	192	196	255

