



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

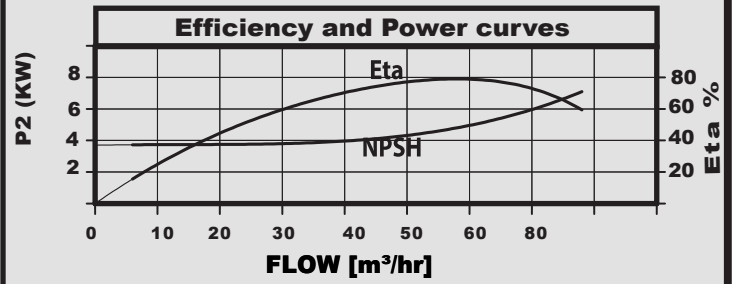
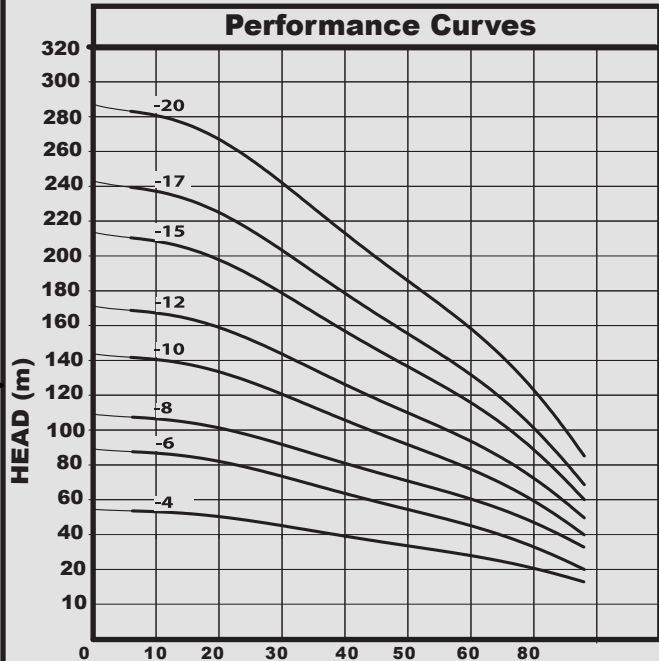
A suitably sized control panel incorporating a Grundfos MP204 controller should be fitted to protect the pump.

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:** 200mm **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 60-4	MS6000	7.5	18.8	1310	577	733	95	146	45
SP 60-6	MS6000	11	24.8	1596	637	959	139.5	148	67
SP 60-8	MS6000	15	34	1887	702	1185	139.5	148	79
SP 60-10	MS6000	18.5	42	2168	757	1411	139.5	148	90
SP 60-12	MS6000	22	48	2454	817	1637	139.5	148	100
SP 60-15	MS6000	26	57	2869	877	1992	139.5	148	114
SP 60-17	MS6000	30	66	3165	949	2218	139.5	148	126
SP 60-20	MMS6	37	81	3869	1315	2557	144	150	174

