



### 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

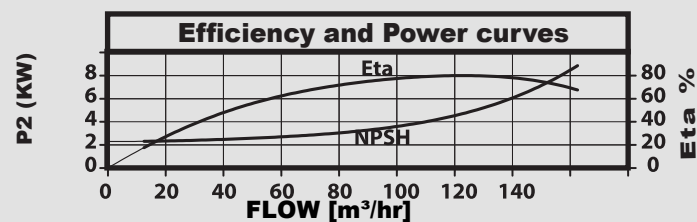
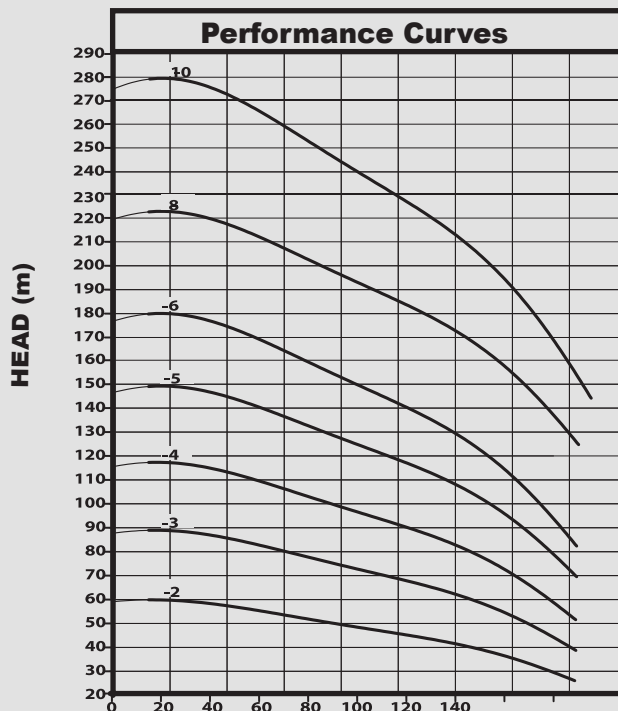
A suitably sized control panel incorporating a Grundfos MP204 controller should be fitted to protect the pump.

#### 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	D	C	E	
SP 125-2	MS6	22	48	1624	817	139.5	807	211	103
SP 125-3	MS6	30	66	1911	947	139.5	963	211	123
SP 125-4	MMS6000	37	78.8	2531	1312	143	1119	211	171
SP 125-5	MMS8000	55	114	2625	1350	192	1275	213	251
SP 125-6	MS8000	63	132	2921	1490	192	1431	218	283
SP 125-8	M8000	75	152	3333	1590	192	1743	218	314
SP 125-10	MMS8000	92	194	3885	1830	192	2055	218	372

