



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

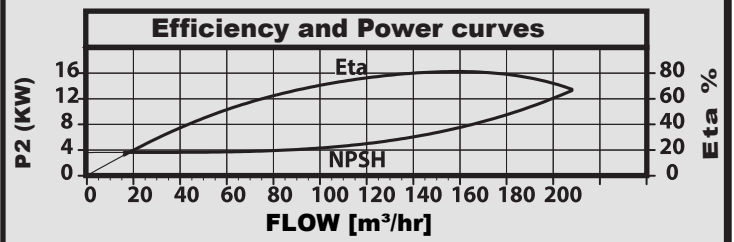
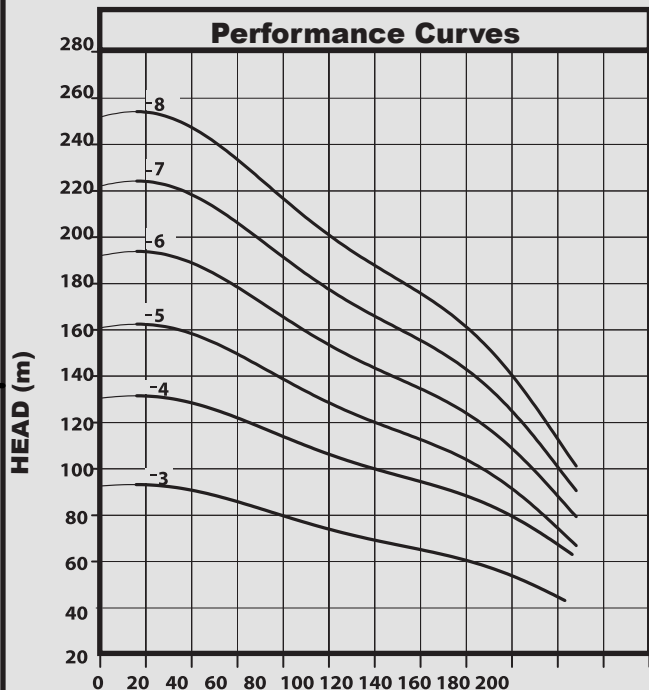
A suitably sized control panel incorporating a Grundfos MP204 controller should be fitted to protect the pump

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 160-3	MMS6000	37	78.5	2275	1312	143	963	211	165
SP 160-4	MMS8000	55	114	2469	1350	192	1119	218	245
SP 160-5	MMS8000	63	132	2765	1490	192	1275	218	277
SP 160-6	MMS8000	75	152	3021	1590	192	1431	218	302
SP 160-7	MMS8000	92	194	3417	1830	192	-	218	354
SP 160-8	MMS8000	92	194	3573	1830	192	-	218	360

