



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

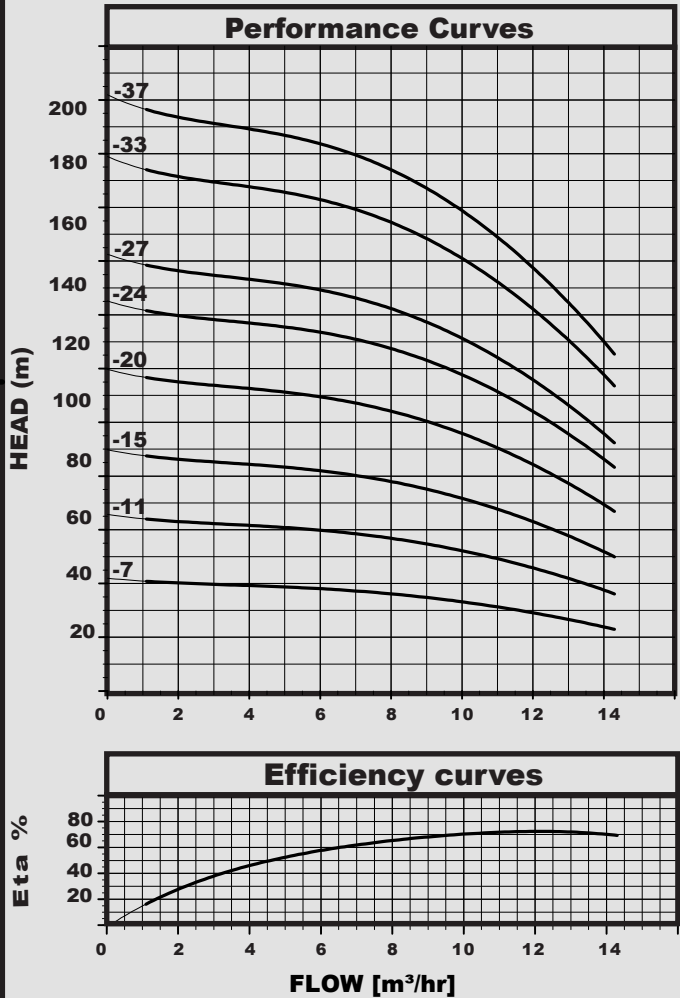
A suitably sized control panel incorporating a Grundfos MP204 controller should be fitted to protect the pump.

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:** 110mm **Max. Install. depth below water:** MS402 - 150m MS4000 & above- 600m



TECHNICAL DATA

MODEL	Motor Type	Power (kW)	Full Load Current (A)		Start Current (A)		Dimensions					Weight [kg]
							A	B	C	D	E	
			1X240V	3X415V	1X240V	3X415V						
SP 11-7	MS402	1.5	10.2	4.2	40	21	1109	346	763	95	101	21
SP 11-11	MS4000	2.2	14	5.5	61	26	1520	457	1063			28.7
SP 11-15	MS4000	3		7.8		35	1860	497	1363			33.8
SP 11-20	MS4000	4		9.6		46	2315	577	1738			41.9
SP 11-24	MS4000	5.5		13		60	2715	677	2038			50.0
SP 11-27	MS4000	5.5		13		60	2940	677	2263			52.3
SP 11-33	MS4000	7.5		18.8		84	3490	777	2713			61.2
SP 11-37	MS4000	7.5		18.8		84	3490	777	3013			64.4

