



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

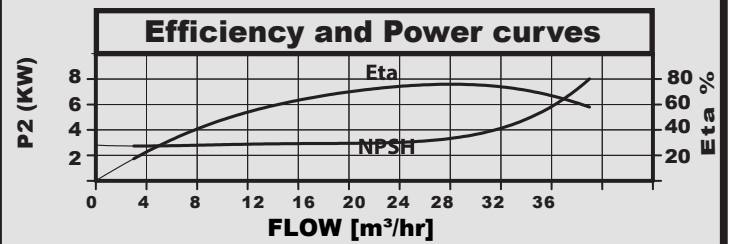
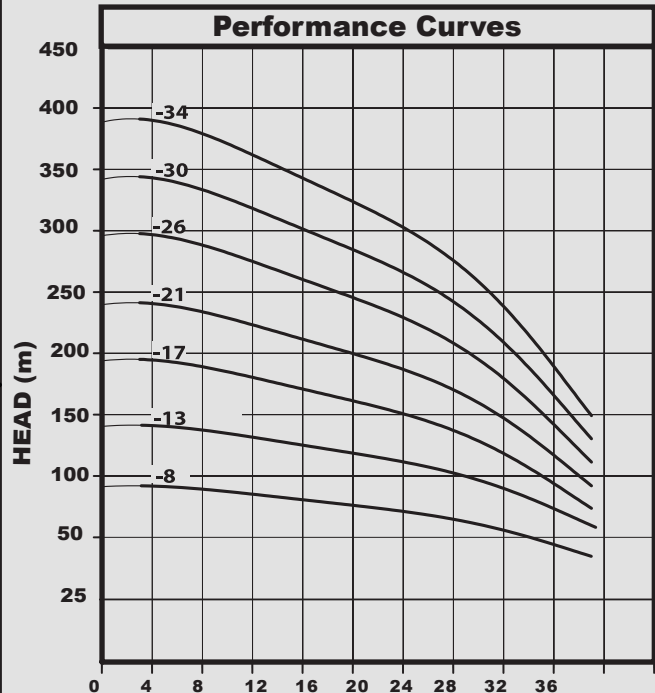
A suitably sized control panel incorporating a Grundfos MP204 controller should be fitted to protect the pump.

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 30-8	MS6000	7.5	18.8	1807	777	1030	95	134	50
SP 30-13	MS6000	11	24.8	2163	634	1529	139.5	142	75
SP 30-17	MS6000	15	34	2612	699	1913	139.5	142	90
SP 30-21	MS6000	18.5	42	3051	754	2297	139.5	142	103
SP 30-26	MS6000	22	48	3591	814	2777	139.5	142	119
SP 30-30	MS6000	26	57	4035	874	3131	139.5	142	132
SP 30-34	MS6000	30	66.5	4489	944	3545	139.5	142	148

