



### 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

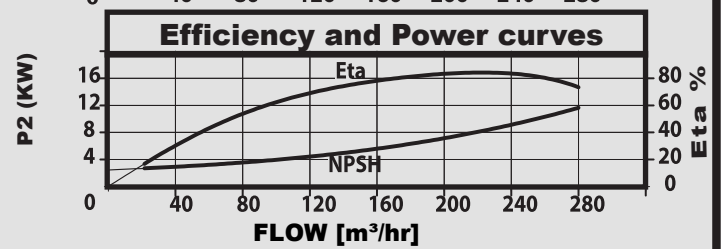
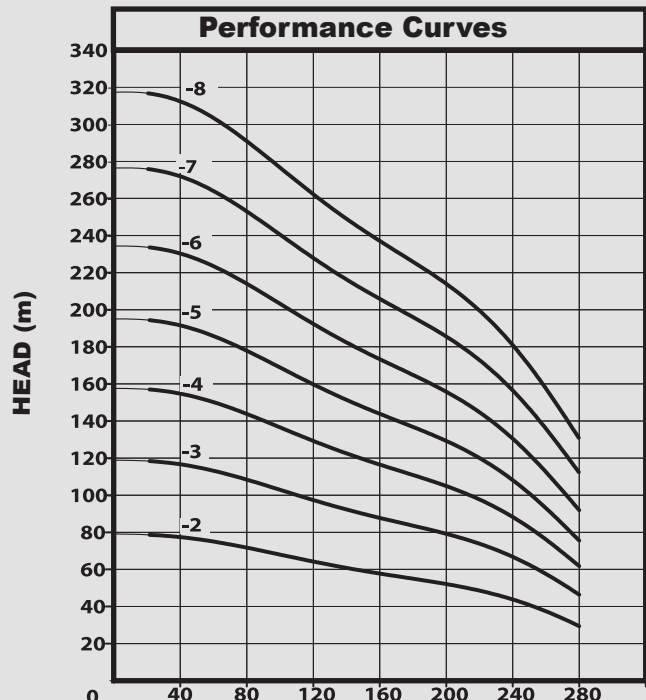
A suitably sized control panel incorporating a Grundfos MP204 controller should be fitted to protect the pump.

#### 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:** 254/268/300mm **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 215-2	MMS8000	45	96.5	2236	1270	966	192	241	228
SP 215-3	MMS8000	63	132	2632	1490	1142			279
SP 215-4	MMS8000	75	152	2908	1590	1318			308
SP 215-5	MMS8000	92	194	3554	1830	1494			364
SP 215-6	MMS8000	110	224	3730	2060	1670			424
SP 215-7	MMS10000	132	270	4016	1870	2146	237		547
SP 215-8	MMS10000	147	315	4392	2070	2322			622

