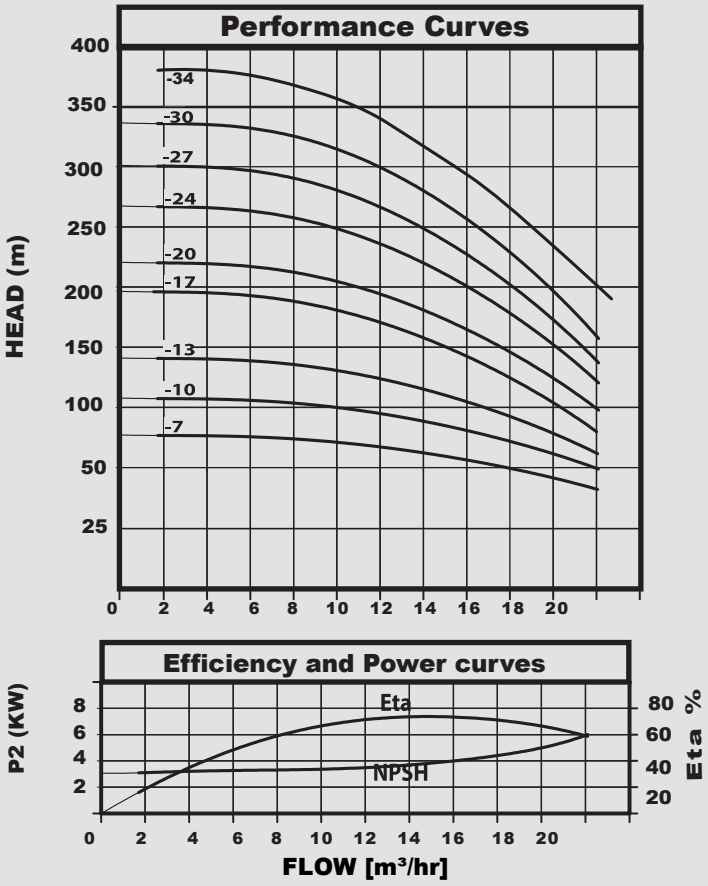
GRUNDFOS

SP17 SERIES BOREHOLE PUMPS



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 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 incorprating 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 continously at a flow rate below 0.1 X nominal flow rate or above 1.3 X nominal flow rate due to uphtrust 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:** 152mm **Max. Install. depth below water: MS402 -** 150m **MS4000 & above-** 600m

TECHNICAL DATA

MODEL	Motor Type	Power (kW)	Full Load Current (A)	Dimensions					Weight [kg]
				A	B	C	D	E	
SP 17-7	MS4000	4.0	9.6	1261	577	684	95	134	34
SP 17-10	MS4000	5.5	13	1541	677	864	95	134	43
SP 17-13	MS6000	7.5	18.8	1821	777	1044	95	134	53
SP 17-17	MS6000	9.2	21.8	1907	604	1303	139.5	142	70
SP 17-20	MS6000	11	24.0	2117	634	1483	139.5	142	77
SP 17-24	MS6000	13	30	2387	664	1723	139.5	142	86
SP 17-27	MS6000	15	34	2602	699	1905	139.5	142	94
SP 17-30	MS6000	18.5	42	2837	754	2083	139.5	142	103
SP 17-34	MS6000	22	48	3137	814	2323	139.5	142	115