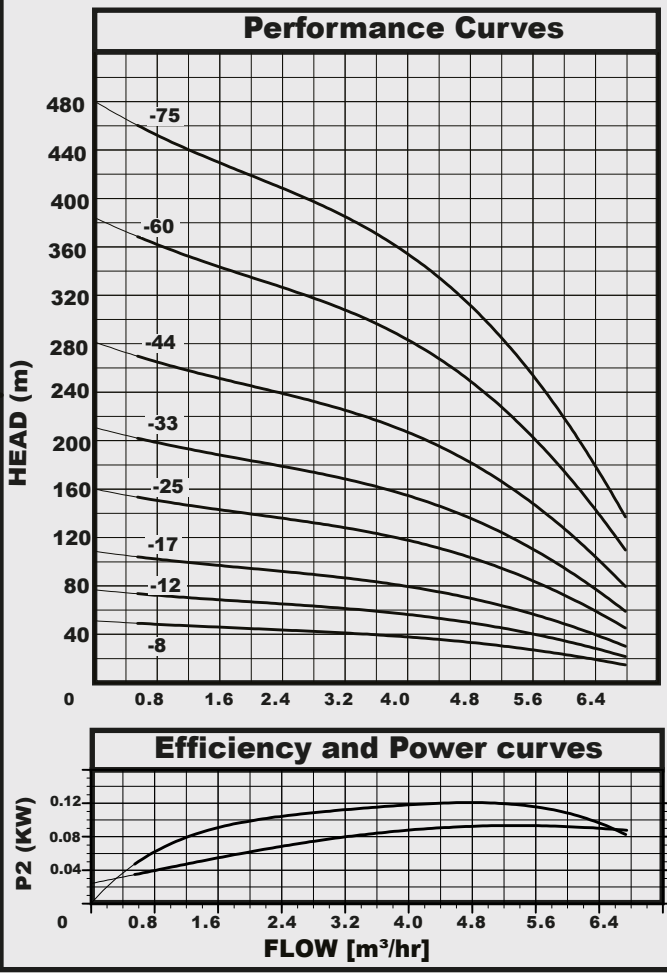
GRUNDFOS

SP5A 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:** 110m **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	1X240V	3X415V	1X240V	3X415V				1X240V	3X415V
SP 5A-8	MS402	0.75	7.0		26		630	600	306	276	324	95	101	13	11
SP 5A-12	MS402	1.1	7.1	3.4	31	16	754	714	346	306	408	95	101	15	13
SP 5A-17	MS402	1.5	9.8	4.2	38	21	859	859	346	346	513	95	101	17	16
SP 5A-25	MS402	2.2	14.0	5.5	62	26		1027		346	681	95	101		19
SP 5A-33	MS4000	3.0		7.9		35		1342	573	493	849	95	101		26
SP 5A-44	MS4000	4.0		9.6		46		1697		573	1124	95	101		38
SP 5A-60	MS4000	5.5		13.0		69		2133		673	1460	95	101		48
SP 5A-75	MS6	7.5		16.6		83		2711		565	2146	143	101		86