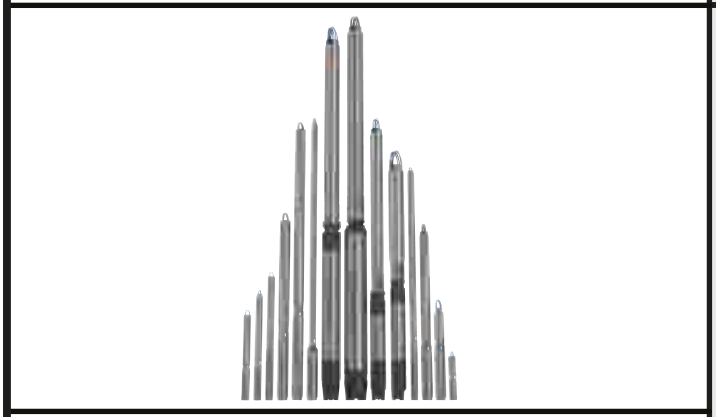
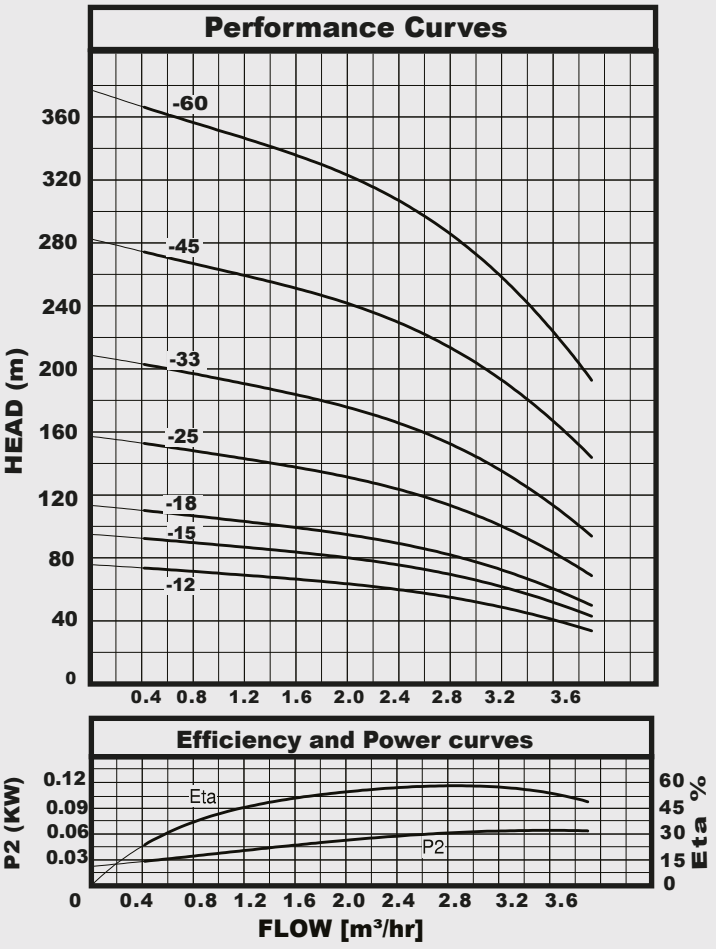
GRUNDFOS

SP3A 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		
			1X240V	3X415V	1X240V	3X415V	1X240V	3X415V	1X240V	3X415V		1X240V	3X415V
SP 3A-12	MS402	0.75	7.0		26		713	683	306	276	407	13	12
SP 3A-15	MS402	1.1	7.1	3.7	31	16	816	776	346	306	470	16	14
SP 3A-18	MS402	1.1	7.1	3.7	31	16	879	839	346	306	533	16	15
SP 3A-25	MS402	1.5	9.8	4.4	38	21	1026	1026	346	346	680	18	18
SP 3A-33	MS402	2.2	14.0	5.7	62	26		1194		346	848		21
SP 3A-45	MS4000	3.0		7.9		35		1638		493	1145		34
SP 3A-60	MS4000	4.0		9.6		46		2033		573	1460		43