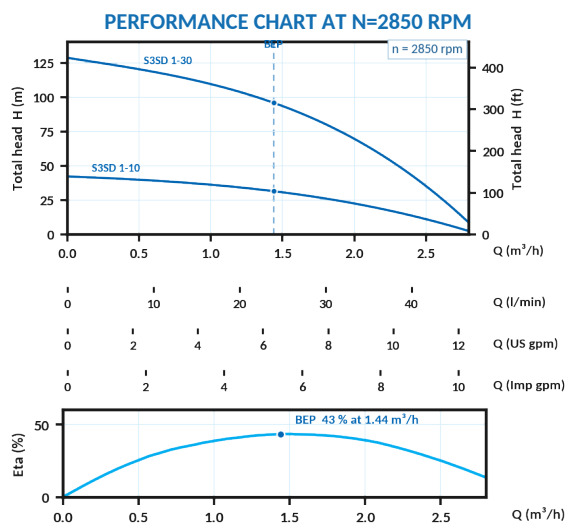




S3SD 1 3" Submersible Borehole Pump — 1 m³/h series



Clean water at 20 °C, tolerances to ISO 9906. Heads are the published figures. One efficiency curve is published for the whole flow series; it is a traced curve for the series and not for a single model.

Typical Applications

- Water supply: borehole abstraction for piped schemes, district distribution and institutional supply.
- Irrigation: field and farm irrigation, sprinkler and drip systems.
- Pressure boosting and filling of elevated and ground-level tanks.
- Mining, drainage and breeding-industry water supply.

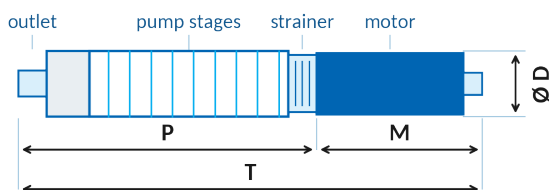
Operating Conditions

- Clean water, sand content less than 150 g/m³.
- Water temperature to 35 °C; ambient to 40 °C; immersion to 80 m.
- Rewindable motor, insulation class B, protection IP68, NEMA dimension standards.
- Peak pump efficiency 43 % at 1.44 m³/h.
- Stainless-steel body and shafts; seal ceramic/graphite, SIC or alloy graphite to order; 2 m cable.

Technical Data

Model	Supply	Motor P2		Current at 50 Hz (A)		Stages	Max. head (m)	Max. flow (m³/h)	Outlet	Dimensions (mm)				Weight (kg)
		kW	HP	Operating In	Starting Ist					Ø D	P	M	T	
S3SD 1-10	220-240 V	0.25	0.33	2.5	11	10	42	2.8	1" / 1¼"	74 / 73	431	372	753	7.1
S3SD 1-30	220-240 V	0.75	1	6	27	30	128	2.8	1" / 1¼"	74 / 73	919	472	1341	11.7

Operating current In is the full-load running current at the stated voltage; starting current Ist is direct-on-line. Confirm both against the motor nameplate before sizing cable, starter or overload. Maximum head is the head at zero flow. BEP is the best efficiency point. Ø D is the outside diameter of the pump and of the motor, P is the pump length, M the motor length, T the overall length, and weight is the complete pump with motor.



Performance Data

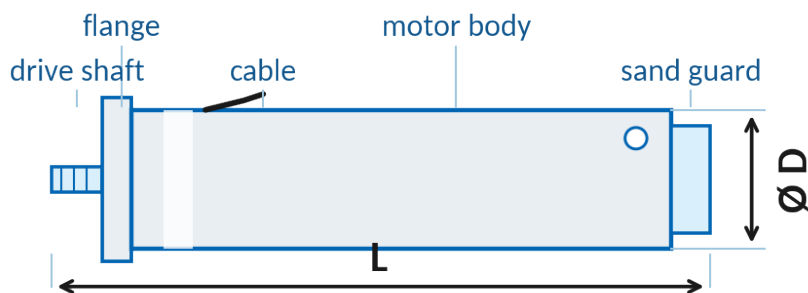
Model	Motor		Total head H (m) at Q (m³/h)						
	kW	HP	0	0.5	1	1.5	2	2.5	2.8
S3SD 1-10	0.25	0.33	42	41	36	30	23	12	2
S3SD 1-30	0.75	1	128	123	109	92	70	38	7

Curves and tabulated heads are Satte published data.

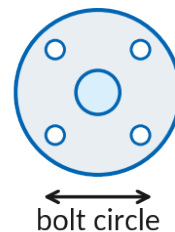


Submersible Motors Rewindable oil-filled motors, n = 2850 rpm

Rewindable oil-filled submersible motors. The designation is the bore followed by SSM and the rating — 4SSM1.5 is the 4" motor at 1.5 kW. In is the full-load running current at the stated voltage and Ist is the direct-on-line starting current. Confirm both against the motor nameplate before sizing cable, starter or overload.



drive end — NEMA mounting



L is the overall motor length and Ø D the body diameter, both as tabulated below. The drive end is to NEMA dimension standards.

3SSM • 3" submersible motor • 220-240 V • 1 phase

Model	P2 kW	P2 HP	Voltage	Ph	In (A)	Ist (A)	cos φ	η (%)	L (mm)	Weight (kg)
3SSM0.18	0.18	0.25	220-240 V	1	2.1	9	0.93	51	380	4
3SSM0.25	0.25	0.33	220-240 V	1	2.5	11	0.93	53	390	4.8
3SSM0.37	0.37	0.5	220-240 V	1	3.3	15	0.93	56	430	5.6
3SSM0.55	0.55	0.75	220-240 V	1	4.5	20	0.93	58	430	6.4
3SSM0.75	0.75	1	220-240 V	1	6	27	0.93	62	440	7.5
3SSM1.1	1.1	1.5	220-240 V	1	7.8	35	0.93	64	555	10
3SSM1.5	1.5	2	220-240 V	1	10	45	0.93	65	605	11.3