



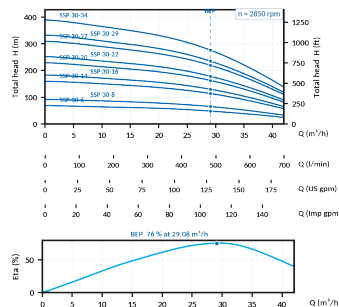
SSP 30 6" Submersible Borehole Pump — 30 m³/h series



SSP 30

Min. well 6" (150 mm)
Outlet 2½", 3"

PERFORMANCE CHART AT N=2850 RPM



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.

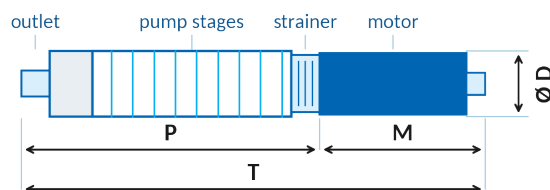
Operating Conditions

- 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 76 % at 29.08 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	Max. flow	Outlet	Dimensions (mm)				Weight
		kW	HP	Operating In	Starting Ist					Ø D	P	M	T	
SSP 30-6	220-240 V / 380-415 V	5.5	7.5	25 / 11	112 / 50	6	69	42	2½", 3"	—	—	614	—	—
SSP 30-8	380-415 V	7.5	10	16.5	74	8	92	42	2½", 3"	—	—	654	—	—
SSP 30-14	380-415 V	13	17.5	28.6	129	14	160	42	2½", 3"	—	—	804	—	—
SSP 30-16	380-415 V	15	20	33	148	16	183	42	2½", 3"	—	—	854	—	—
SSP 30-20	380-415 V	18.5	25	40.7	183	20	229	42	2½", 3"	—	—	934	—	—
SSP 30-22	380-415 V	22	30	48.4	218	22	252	42	2½", 3"	—	—	1014	—	—
SSP 30-27	380-415 V	26	35	57.2	257	27	309	42	2½", 3"	—	—	1094	—	—
SSP 30-29	380-415 V	26	35	57.2	257	29	332	42	2½", 3"	—	—	1094	—	—
SSP 30-34	380-415 V	30	40	65	292	34	389	42	2½", 3"	—	—	1174	—	—

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. Dimensions and weight for this range are to be confirmed on order.



Performance Data

Model	Motor		Total head H (m) at Q (m³/h)							
	kW	HP	0	6	12	18	24	30	36	42
SSP 30-6	5.5	7.5	69	66	63	60	55	47	37	24
SSP 30-8	7.5	10	92	89	85	80	74	63	50	33
SSP 30-14	13	17.5	160	155	148	139	129	110	87	57
SSP 30-16	15	20	183	177	169	159	147	126	99	65
SSP 30-20	18.5	25	229	221	211	199	184	158	124	81
SSP 30-22	22	30	252	243	232	219	202	173	136	89
SSP 30-27	26	35	309	299	285	268	248	213	167	110
SSP 30-29	26	35	332	321	306	288	266	228	179	118
SSP 30-34	30	40	389	376	359	338	312	268	210	138

Curves and tabulated heads are Satte published data.

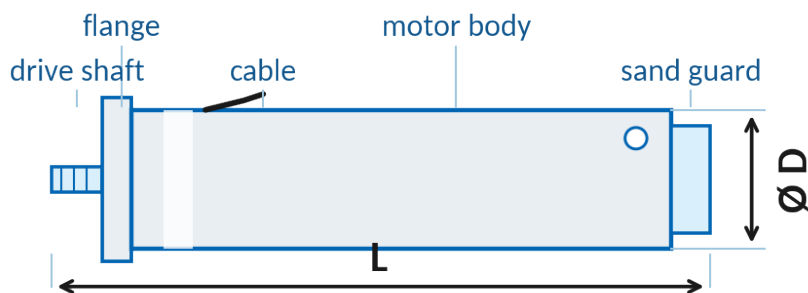


SATTE

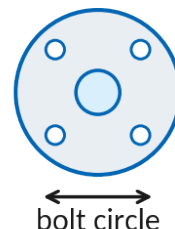
MOTOR DATA

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.

6SSM • 6" 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)
6SSM2.2	2.2	3	220-240 V	1	19	86	0.93	66	556	35.9
6SSM3	3	4	220-240 V	1	21	94	0.93	67	586	38.8
6SSM4	4	5.5	220-240 V	1	23	104	0.93	68	616	41.7
6SSM5.5	5.5	7.5	220-240 V	1	25	112	0.93	69	666	46.5

6SSM • 6" submersible motor • 380-415 V • 3 phase

Model	P2 kW	P2 HP	Voltage	Ph	In (A)	Ist (A)	cos φ	η (%)	L (mm)	Weight (kg)
6SSM2.2	2.2	3	380-415 V	3	5	22	0.80	74	524	34.1
6SSM3	3	4	380-415 V	3	6	27	0.80	75	554	36.6
6SSM4	4	5.5	380-415 V	3	8	36	0.80	75	584	39.2
6SSM5.5	5.5	7.5	380-415 V	3	11	50	0.80	76	614	42.6
6SSM7.5	7.5	10	380-415 V	3	16.5	74	0.81	76.5	654	47
6SSM9.2	9.2	12.5	380-415 V	3	20.2	91	0.81	77	704	52.7
6SSM11	11	15	380-415 V	3	24.2	109	0.82	78	754	58.3
6SSM13	13	17.5	380-415 V	3	28.6	129	0.82	78	804	63.9
6SSM15	15	20	380-415 V	3	33	148	0.83	79	854	69.5
6SSM18.5	18.5	25	380-415 V	3	40.7	183	0.83	79	934	80.9
6SSM22	22	30	380-415 V	3	48.4	218	0.83	80	1014	91.6
6SSM26	26	35	380-415 V	3	57.2	257	0.84	80	1094	102.3
6SSM30	30	40	380-415 V	3	65	292	0.84	81	1174	113