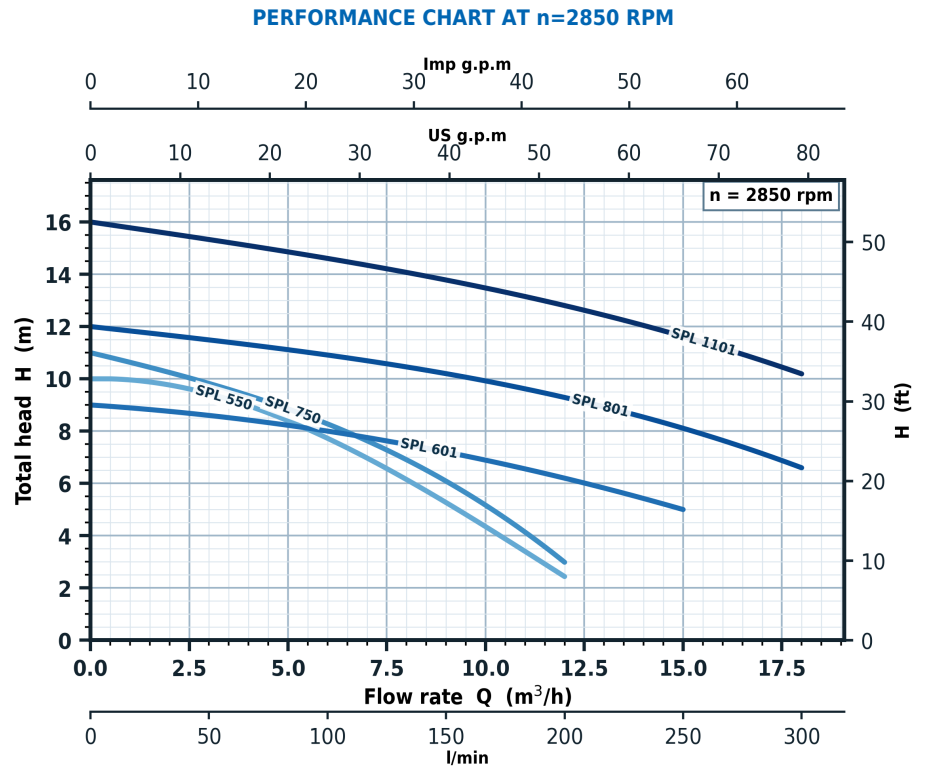


SATTE SPL Swimming Pool Pump



Curves show the published flow range for each model. Clean water at 20 C, tolerances to ISO 9906 Annex A.

Typical Applications

- Circulation and filtration duty on private and commercial swimming pools.
- Water recirculation through sand, cartridge and DE filter systems.
- Spa, jacuzzi and hydromassage water circulation.
- Ornamental pond and water-feature recirculation.
- Backwash duty on pool filtration plant.



Operating Conditions

- Clean or chlorinated pool water; not for salt-saturated or chemically aggressive liquids.
- Liquid temperature up to +45 C; ambient temperature up to +40 C.
- Self-priming with integral strainer basket; fill the basket before first starting.
- Total suction lift up to 8 m.
- Two-pole induction motor at 2850 rpm, insulation class B, protection IP44.
- Continuous service S1 with thermal protector for single phase.
- Clean the strainer basket regularly; running with a blocked basket will damage the seal.

Materials of Construction

- **Pump body:** Techno-polymer
- **Motor housing:** Aluminium
- **Motor shaft:** Stainless steel AISI 304
- **Pump support:** Aluminium
- **Impeller:** Techno-polymer
- **Mechanical seal:** Ceramic / graphite

SATTE SPL Technical Data

Technical Data

Motor			Voltage	Current (A)		m	m3/h	Inch		kg	mm
Model	kW	HP	Supply	In	Ist	Max H	Max Q	rpm	DN	Weight	L x W x H
SPL 550	0.55	0.75	1~ 220-240 V	4.4	20	10.0	12	2850	1 1/2"x1 1/2"	6.5	395x180x230
SPL 750	0.75	1.0	1~ 220-240 V	6.0	27	11.0	12	2850	1 1/2"x1 1/2"	7.5	395x180x230
SPL 601	0.6	0.8	1~ 220-240 V	4.8	22	9.0	15	2850	2"x2"	8.4	590x230x295
SPL 801	0.8	1.1	1~ 220-240 V	6.4	29	12.0	18	2850	2"x2"	9.1	590x230x295
SPL 1101	1.1	1.5	1~ 220-240 V	8.9	40	16.0	18	2850	2"x2"	10.7	590x230x295

Head-flow data is the published performance of the series, tested on clean water at 20 C at 2850 rpm. Tolerances to ISO 9906 Annex A. Maximum head is the head at zero flow; maximum flow is the highest published flow for the model.

SUCTION CONDITIONS: this is a surface-mounted series operating on suction lift. The achievable lift falls as liquid temperature and site altitude increase. At approximately 1,200 m altitude, atmospheric pressure is about 12% below sea level, reducing achievable suction lift by roughly 1.2 m. Keep the suction line short, airtight and fully flooded.

Currents are calculated nominal values for a two-pole motor (single phase at 230 V, three phase at 400 V). In is the full-load running current and Ist the direct-on-line starting current. Confirm against the motor nameplate before sizing cable, starter or overload.

Select the duty point within the published flow range. Operating far to the right of the range overloads the motor; operating far to the left causes heat build-up in the pump.

Dimensions are pump overall length x width x height in millimetres, as published for the series. Net weight is for the pump with standard motor and cable. Currents shown are the published full-load values where available.

Performance Table

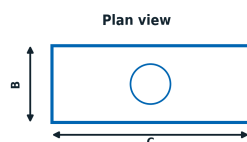
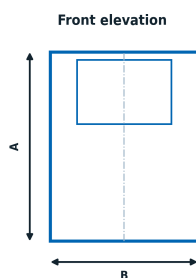
Total head H (m) against flow rate Q (m³/h) at 2850 rpm, on clean water at 20 C. Motor power P2 is the standard motor rating for each model.

Motor			Q (m ³ /h)										
Model	kW	HP	0	2.4	3	4.8	6	7.2	9	9.6	12	15	18
SPL 550	0.55	0.75	10.0	9.5	9.2	8.5	7.8	7.0	5.1	4.5	2.5		
SPL 750	0.75	1.0	11.0	10.0	9.8	9.0	8.2	7.5	6.0	5.5	3.0		
SPL 601	0.6	0.8	9.0	8.7	8.6	8.2	8.0	7.7	7.2	7.0	6.2	5.0	
SPL 801	0.8	1.1	12.0	11.6	11.5	11.1	10.9	10.6	10.2	10.0	9.3	8.1	6.6
SPL 1101	1.1	1.5	16.0	15.4	15.3	14.9	14.6	14.3	13.8	13.6	12.8	11.6	10.2

Blank cells indicate flows outside the published range for that model.

Solids handling: Coarse debris retained by the integral strainer basket. Discharge connection: 1 1/2" - 2".

Dimensions



- L** overall length
- W** overall width
- H** overall height

Dimensioned outline for the series. Per-model overall dimensions are tabulated above. Certified drawings are available on request for final design.

SATTE SPL Exploded View

Exploded View

Component breakdown for the series, for identification of parts when ordering spares. Item numbers correspond to the manufacturer parts list; quote the SATTE model and the item number when requesting spares.

