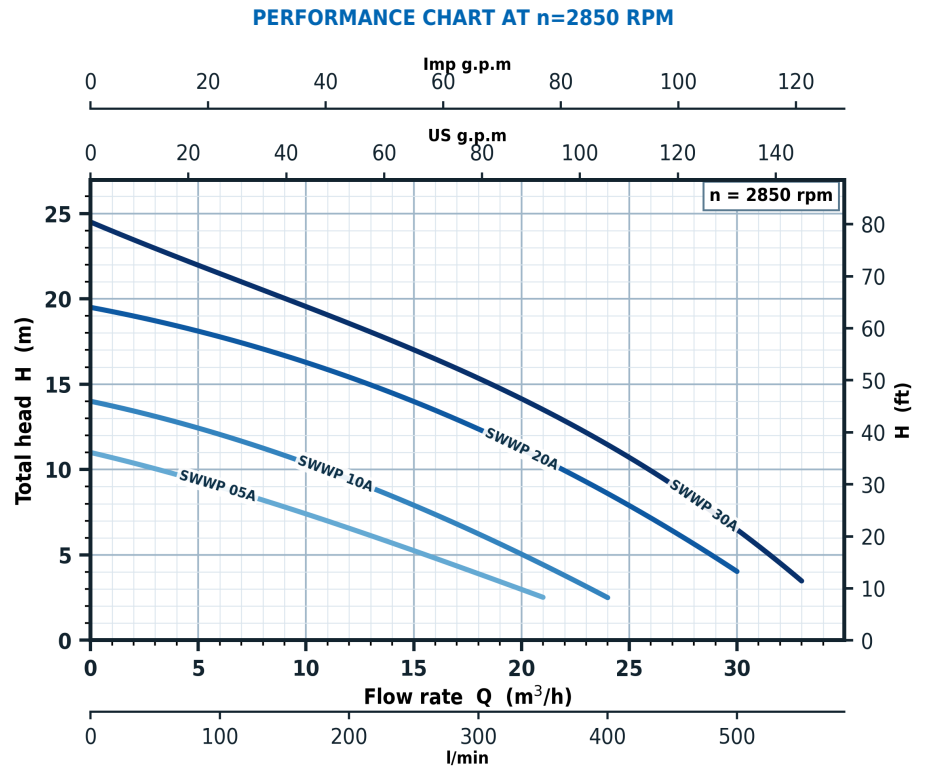


SATTE SWWP

Submersible Waste Water Pump



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

Typical Applications

- Domestic sewage and grey water transfer from dwellings and small premises.
- Basement waste water removal below the gravity sewer invert.
- Small packaged lift stations serving individual properties.
- Laundry, kitchen and shower discharge collection.
- Emptying of septic tank chambers and inspection pits.

Operating Conditions

- Waste water not chemically aggressive towards the pump materials.
- Liquid temperature to +35 °C; maximum ambient temperature +40 °C.
- Maximum immersion depth 8 m; two-pole induction motor at 2850 rpm.
- Motor protection IP68, insulation class B, continuous service S1.
- Stainless steel outer jacket for corrosion resistance.
- Built-in thermal protector on single-phase models.
- Fit a non-return valve in the discharge line to prevent back-flow.

Materials of Construction

- **Pump body:** Stainless steel AISI 304
- **Impeller:** Cast iron, vortex
- **Mechanical seal:** Silicon carbide / graphite
- **Motor housing:** Stainless steel AISI 304
- **Shaft:** Stainless steel AISI 420
- **Cable:** 8 m power cable

SATTE SWWP Technical Data

Technical Data

	Motor		Voltage	Current (A)		m	m ³ /h		Inch	kg	mm
Model	kW	HP	Supply	In	Ist	Max H	Max Q	rpm	DN	Weight	L x W x H
SWWP 05A	0.55	0.75	1~ 220-240 V	4.0	18	11.0	21	2850	2"	14.8	270x193x475
SWWP 10A	0.75	1.0	1~ 220-240 V	5.2	23	14.0	24	2850	2"	15.6	270x193x485
SWWP 20A	1.5	2.0	1~ 220-240 V	8.3	37	19.5	30	2850	2"	21.3	283x207x525
SWWP 30A	2.2	3.0	1~ 220-240 V	11.5	52	24.5	33	2850	2"	22.3	283x207x550

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.

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

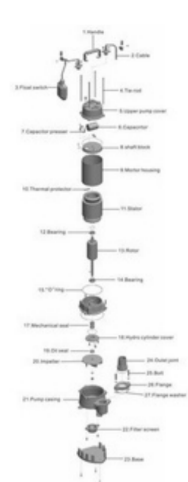
Total head H (m) against flow rate Q (m³/h) at 2850 rpm, on clean water at 20 C. Motor power P2 is the standard motor rating for each model.

	Motor							Q (m ³ /h)						
Model	kW	HP	0	3	6	9	12	15	18	21	24	27	30	33
SWWP 05A	0.55	0.75	11.0	10.0	9.0	7.7	6.8	5.0	4.0	2.5				
SWWP 10A	0.75	1.0	14.0	13.0	12.0	10.8	9.5	8.0	6.0	4.5	2.5			
SWWP 20A	1.5	2.0	19.5	19.0	18.0	16.5	15.5	14.0	12.5	10.7	8.5	6.5	4.0	
SWWP 30A	2.2	3.0	24.5	23.0	21.5	20.0	18.5	17.0	15.5	13.5	11.5	9.0	6.5	3.5

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

Solids handling: Soft solids to 25 mm. Discharge connection: 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 SWWP

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.

