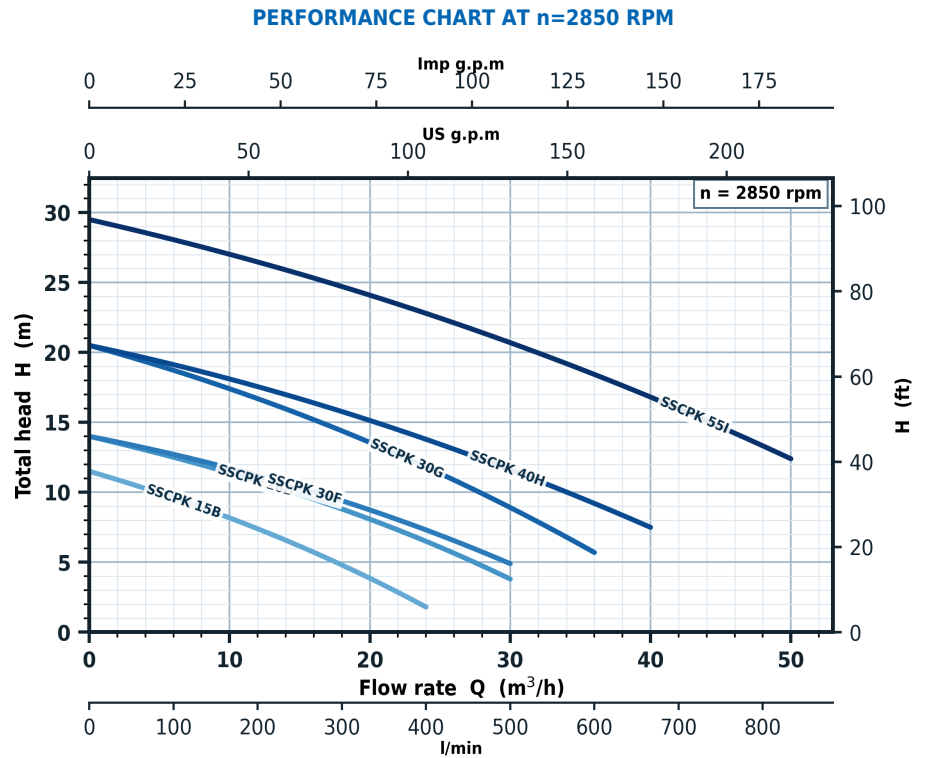


SATTE SSCPK

Submersible Grinder Pump



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

Typical Applications

- Pressure sewer mains where solids must be reduced before discharge.
- Effluent transfer through small-bore pipework over long distances.
- Commercial kitchen and laundry waste with heavy fibre loading.
- Industrial effluent containing packaging waste and stringy material.
- Municipal lift stations prone to ragging and pump blockage.

Operating Conditions

- Sewage containing fibrous solids; the grinder reduces solids before discharge.
- 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.
- Three-phase 380 V / 50 Hz on 3 kW and above.
- Grinder assembly requires periodic inspection for wear.
- Confirm all published figures against the manufacturer before order.

Materials of Construction

- **Pump body:** Cast iron
- **Impeller:** Cast iron, grinder cutter head
- **Mechanical seal:** SiC/SiC lower, oil chamber
- **Motor housing:** Cast iron
- **Shaft:** Stainless steel AISI 431
- **Cable:** 8 m power cable

SATTE SSCPK 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
SSCPK 15B	1.1	1.5	1~ 220-240 V	2.6	12	11.5	24	2850	2"	25	220x250x480
SSCPK 26D	1.5	2.0	1~ 220-240 V	3.4	15	14.0	30	2850	2"	35.5	300x250x530
SSCPK 30F	2.2	3.0	1~ 220-240 V	4.8	22	14.0	30	2850	2"	39	300x250x550
SSCPK 30G	3.0	4.0	3~ 380-415 V	6.3	28	20.5	36	2850	3"	47	320x270x580
SSCPK 40H	4.0	5.5	3~ 380-415 V	8.2	37	20.5	40	2850	3"	56	300x290x600
SSCPK 55I	5.5	7.5	3~ 380-415 V	11.1	50	29.5	50	2850	3"	66	340x300x650

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	6	8	10	12	16	18	20	24	30	32	36	40	50
SSCPK 15B	1.1	1.5	11.5	9.6	8.9	8.1	7.4	5.7	4.8	3.8	1.8					
SSCPK 26D	1.5	2.0	14.0	12.5	11.9	11.4	10.8	9.5	8.8	8.0	6.5	3.8				
SSCPK 30F	2.2	3.0	14.0	12.7	12.2	11.7	11.2	10.0	9.4	8.7	7.3	4.9				
SSCPK 30G	3.0	4.0	20.5	18.7	18.0	17.4	16.7	15.2	14.4	13.5	11.8	8.9	7.8	5.7		
SSCPK 40H	4.0	5.5	20.5	19.1	18.6	18.1	17.5	16.4	15.8	15.1	13.8	11.6	10.8	9.2	7.5	
SSCPK 55I	5.5	7.5	29.5	28.0	27.5	27.0	26.4	25.3	24.7	24.1	22.7	20.7	19.9	18.4	16.8	12.4

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

Solids handling: Shredded by grinder to fine slurry. Discharge connection: 2" - 3".

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 SSCPK 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.

