

Horizontal Screw Pumps

SC



Applications

- Waste treatment
- Food transfer
- Paper stock

Feature

- ✓ No tangles in vinyl or fibers
- ✓ High efficiency, low NPSHr.
- ✓ Suitable for transferring high concentration pulp liquid and sludge
- ✓ It is easy to control the flow rate because there is little change in the flow rate relative to the change of the head

Ratings

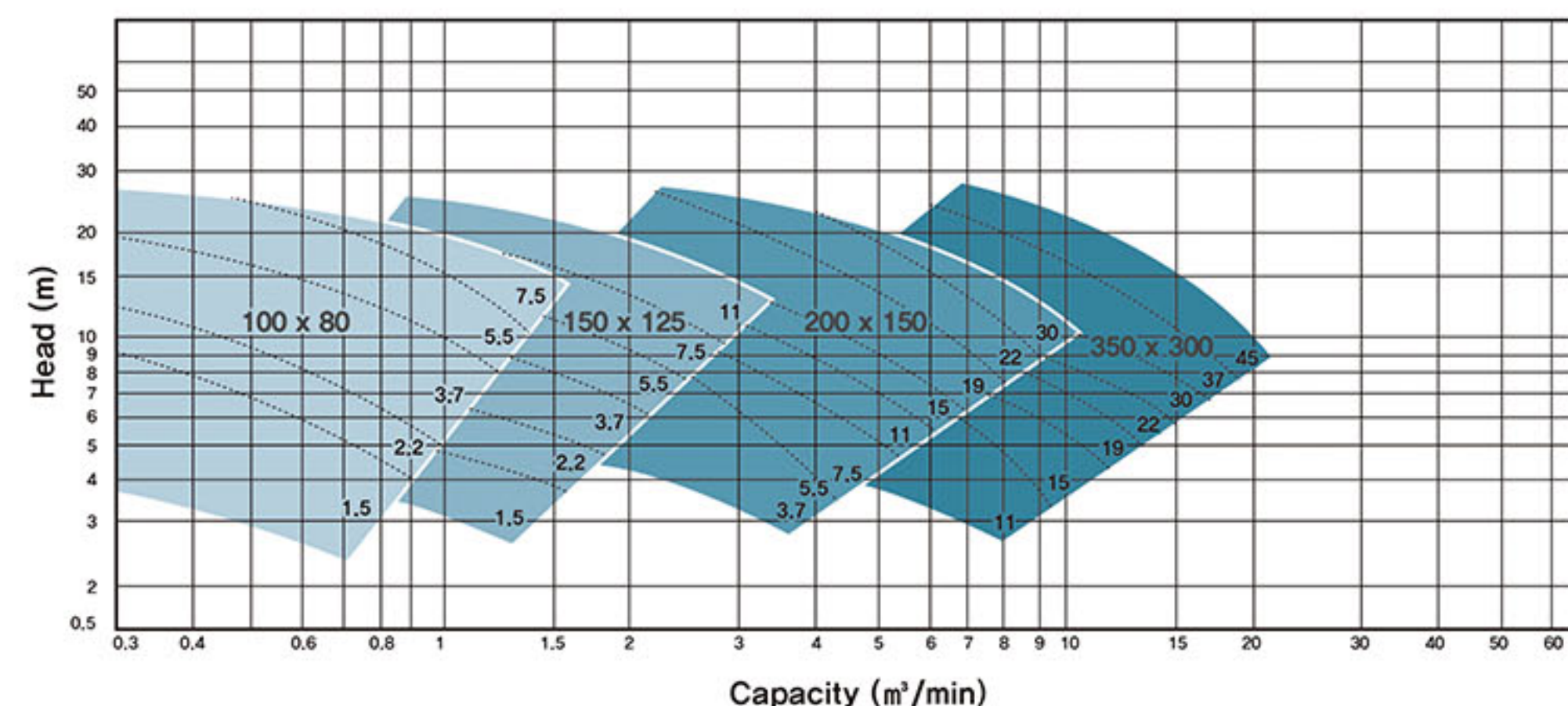
Capacity	0.2~30 m ³ /min (52 ~ 7,925 US GPM)	Temperature	~80°C (176°F)
Head	3~30m (9.8ft~98ft)	Nozzle Rating	KS 10 Kg/ cm ² - FF
Discharge Pressure	Up to 10 kgf/cm ² (142 PSIG)	Nozzle Location	End Suction : Top Discharge
Revolution 60Hz	1750 min ⁻¹ & pulley type	Seals	Conventional Packing or Mechanical Seal
Rotation	Clockwise (viewed from coupling end)		

Mixed liquid specific gravity

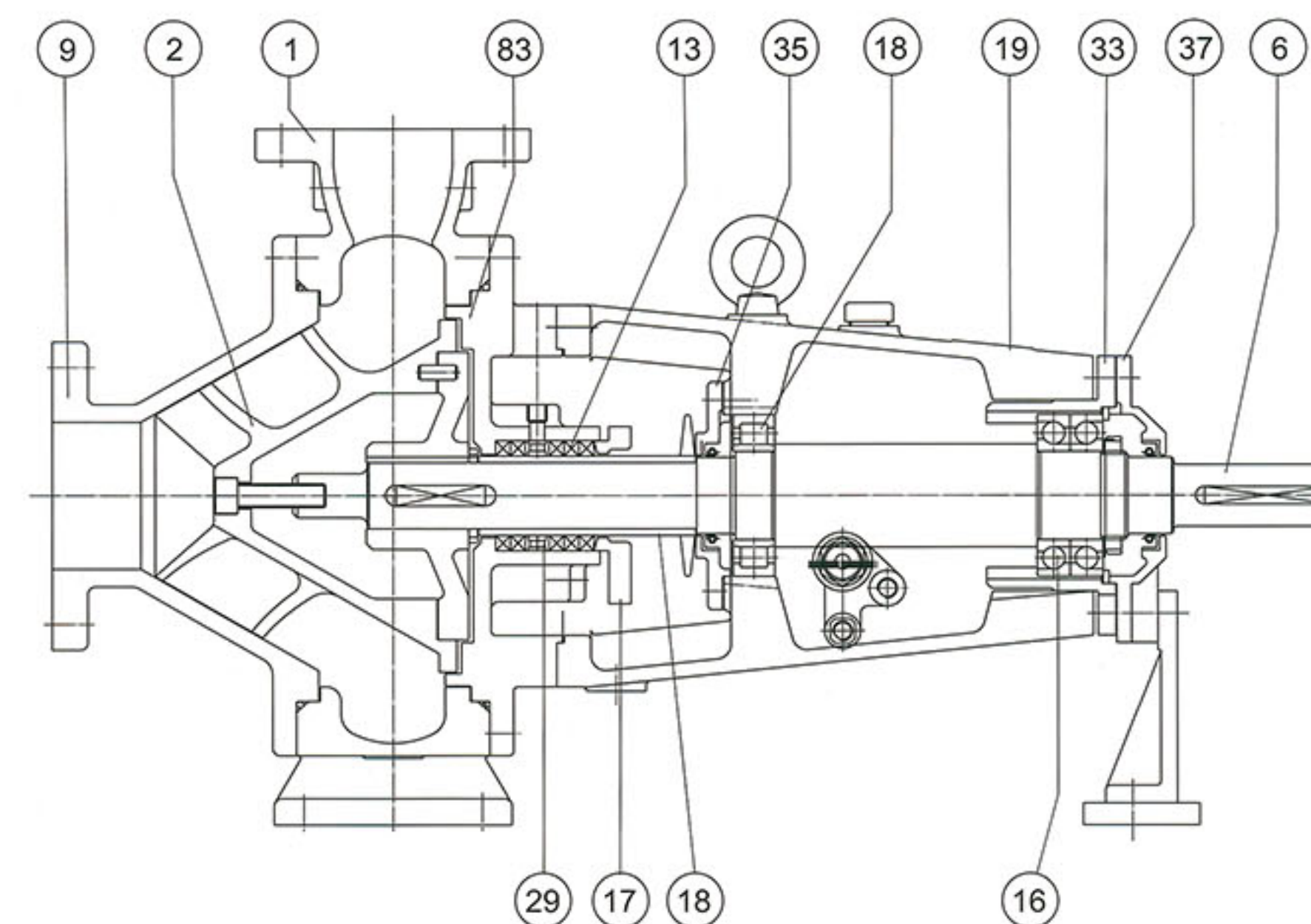
* Most used range

(%) Mixed concentration	5%	10%	15%	20%	25%	30%	40%	50%
1.5	1.03	1.05	1.08	1.10	1.13	1.15	1.20	1.25
* 2.0	1.02	1.03	1.05	1.07	1.09	1.11	1.15	1.2
	1.05	1.10	1.15	1.20	1.25	1.30	1.40	1.5
	1.03	1.05	1.08	1.11	1.14	1.13	1.25	1.33
* 2.5	1.08	1.15	1.23	1.30	1.38	1.45	1.60	1.75
	1.03	1.06	1.10	1.14	1.18	1.22	1.32	1.43
* 3.0	1.10	1.20	1.30	1.40	1.50	1.60	1.80	2.0
	1.03	1.07	1.11	1.15	1.20	1.25	1.36	1.5
	1.14	1.25	1.38	1.50	1.63	1.75	2.0	2.25
3.5	1.04	1.08	1.12	1.17	1.22	1.27	1.44	1.56
	1.14	1.30	1.45	1.60	1.75	1.90	2.2	2.5
4.0	1.08	1.08	1.13	1.18	1.23	1.29	1.43	1.6
	1.18	1.35	1.53	1.70	1.88	2.05	2.4	2.75
4.5	1.04	1.08	1.13	1.18	1.24	1.30	1.45	1.64
	1.24	1.40	1.60	1.80	2.0	2.20	2.6	3.0
5.0	1.05	1.09	1.14	1.19	1.25	1.32	1.47	1.67
	1.25	1.50	1.75	2.0	2.25	2.50	3.0	—
6.0	1.04	1.09	1.14	1.2	1.26	1.33	1.5	1.71
	1.30	1.60	1.90	2.2	2.50	2.80	—	—
7.0	1.04	1.09	1.15	1.21	1.27	1.35	1.52	1.75
	1.35	1.70	2.05	2.4	2.75	—	—	—
8.0	1.05	1.10	1.15	1.21	1.28	1.36	1.54	1.78

Installation Dimension



Parts List and Materials



No	Name of part	METERIAL	No	Name of part	METERIAL
1	Casing	GC200 SSC13	17	Packing Gland	GC200 SSC13
2	Impeller	SSC13 SSC13	18	Inboard Bearing	STEEL STEEL
6	Shaft	SM45C STS304	19	Frame	GC200 GC200
9	Suction Cover	GC200 SSC13	29	Lantern Ring	BC6 SSC13
13	Packing	TEFLON TEFLON	33	Bearing Housing	GC200 GC200
14	Shaft Sleeve	BC6 STS304	35	Inboard Bearing Cover	GC200 GC200
16	Outboard Bearing	STEEL STEEL	37	Outboard Bearing Cover	GC200 GC200
			83	Stuffing Box	GC200 SSC13

Note : *. Other Materials are available on request