

SA Submersible Agitator Sewage Pumps

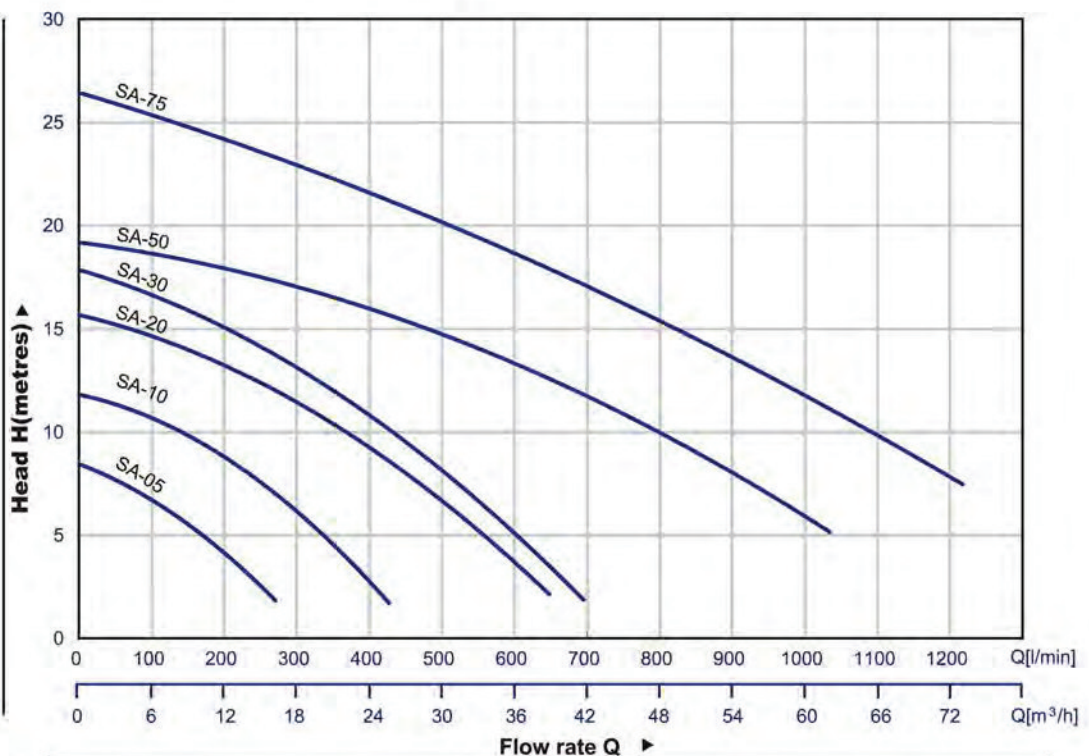
General Data/Material



Operating Conditions	Applications	Waste water for domestic and civil purposes
	Fluid Temperature	0 to 40 °C
Motor	Type	Dry Type
	Pole	2-pole
	Insulation	Class F
	Protection	IP68
	Protection Device	Thermal Protector (single phase) Overload Protector (three phase)
Pump	Impeller	Vortex Impeller
	Shaft Seal/Material	Double Mechanical Seal and one oil Seal
	Bearing	Double-shielded Ball Bearing

Component	Material
Cable	H07RN-F
Handle	Nylon SS 41
Motor Cover	Cast Iron GJL 200
Seal Housing	Cast Iron GJL 200
Bracket	Cast Iron GJL 200
Oil Chamber	Cast Iron GJL 200
Pump Casing	Cast Iron GJL 200
Impeller	Cast Iron GJL 200
Agitator	AISI 316
Mechanical seal:Upper	CA/CE
Lower	Sic/Sic
Oil Seal	NBR
Shaft	AISI 410
Motor Housing	AISI 304

Characteristic curves N=2900 rpm



Specifications

Model	Power HP (kW)	Discharge inch	Phase	Standard		Max		Solid Passage mm	N.W. kg	Cable M
				Head M	Capacity LPM	Head M	Capacity LPM			
SA-05-50	1/2 (0.37)	2"	1 ϕ /3 ϕ	6	130	8	300	20	13.5	10
SA-10-50	1 (0.75)	2"	1 ϕ /3 ϕ	8	180	12	400	20	18.5	10
SA-20-50(80)	2 (1.5)	2"/3"	1 ϕ /3 ϕ	10	350	16	650	20	34	10
SA-30-50(80)	3 (2.2)	2"/3"	3 ϕ	11	400	18	700	20	35	10
SA-50-80(100)	5 (3.7)	3"/4"	3 ϕ	15	500	19	1000	35	57	10
SA-75-80(100)	7.5 (5.5)	3"/4"	3 ϕ	20	600	27	1100	35	63	10

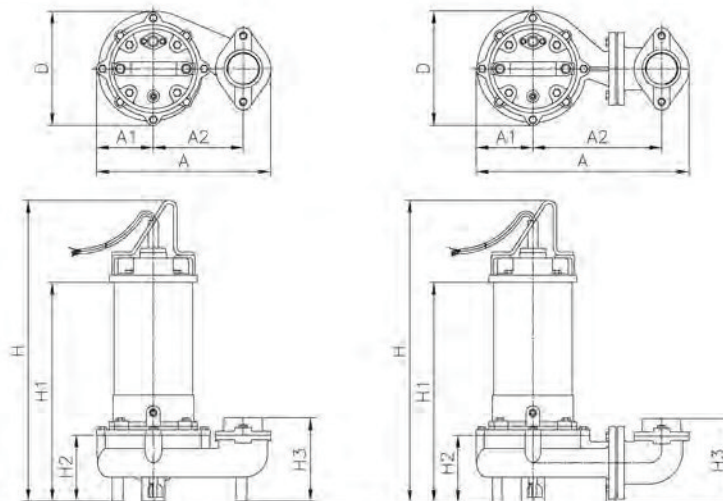
SA-05-50: Threaded Flange Type

SA-10-50: Threaded Flange type or Elbow Type

SA-20-50(80)~SA-30-50(80): Elbow Type (2" or 3")

SA-50-80(100)~SA-75-80(100): Elbow Type (3" or 4")
Auto Float Switches are available in Single-phase

Dimensions and Weights



Model	Dimension (mm)							
	A	A1	A2	D	H	H1	H2	H3
SA-05-50	222	73	115	145	410	297	113	133
SA-10-50	222	73	115	149	464	340	113	133
SA-20-50(80)	387	103	234	208	548	400	122	153
SA-30-50(80)	387	103	234	208	568	420	122	153
SA-50-80(100)	459	110	256	227	638	471	160	220
SA-75-80(100)	459	110	256	227	678	511	160	220