

Horizontal Singlestage Swimming Pool Centrifugal Pumps with Prefilter

SP Series

Applications

- ◆ Recycling and filtering of water for medium and commercial size swimming pools
- ◆ In circulation systems of sauna or other places where filtered clear water is required

Working Conditions

Transporting medium	Clean, swimming pool water
Fluid temperature range	-15°C ~ +110°C
Maximum ambient temperature	+40°C
Maximum working pressure	Upto 10 kg/cm ² g
Axial Suction	Radial Discharge
To avoid overload, pump must be operated within performance range	

Materials of Construction

Pump body, pump foot & diffuser	Glass loaded PolyPropylene
Impeller	Glass loaded Noryl®
Motor Shaft	Stainless Steel (AISI 304/420)
Mechanical Seal	Graphite and Steatite
Seal Mounting	Glass loaded Luranyl®
Pump equipped with built-in thermal protection	

Features

- ◆ CE approved
- ◆ High Quality
- ◆ Energy efficient
- ◆ Quiet running
- ◆ Aesthetic appeal
- ◆ Includes prefilter

Model Ordering Code Instructions

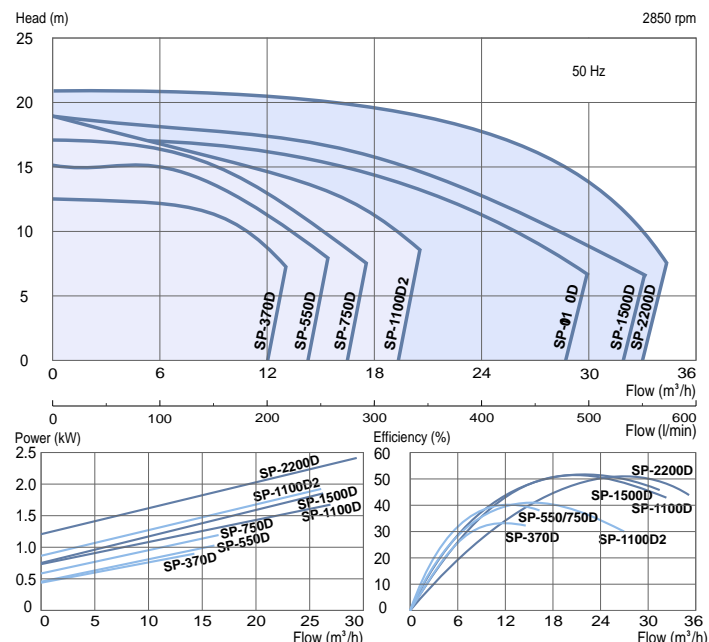
SP	-	1100	-	D	-	2
↑		↑		↑		↑
Series		Power		Phase		Type
SP - Horizontal Swimming Pool Centrifugal Pump		370 - 0.37 kW 550 - 0.55 kW 750 - 0.75 kW 1100 - 1.10 kW 1500 - 1.50 kW 2200 - 2.20 kW		D - Single Blank - Three		2 - Type 2 Blank - Type 1



Motor Specifications

Type	T.E.F.C - 2 Pole
Speed	2900 rpm
Frequency	50/60 Hz
Single phase voltage	220 V (±5%)
Three phase voltage	415 V (±5%)
Insulation class	F
Protection class	IP55
Efficiency class	EFF 2
Duty	Continuous
Motor housing	Aluminum L-2521
Motor Windings	Impregnated with epoxy resin
Altitude	≧1000 m

Performance Curves

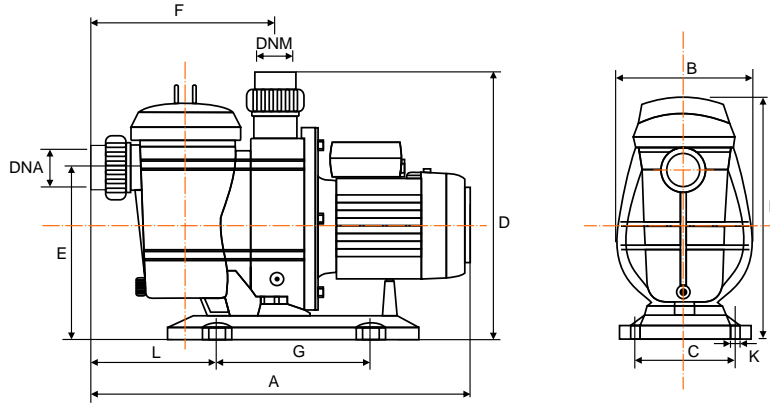




Horizontal Swimming Pool Centrifugal Pumps

SP Series

Outline Diagram



Dimensions

Model	Dimensions (mm)												Weight Kg.
	A	B	C	D	E	F	G	H	L	K	DNA	DNM	
SP-370D	550	238	160	345	225	262	170	330	205	∅10 x4	50(2")	50(2")	8.7
SP-550D	550	238	160	345	225	262	170	330	205	∅10 x4	50(2")	50(2")	9.3
SP-750D	550	238	160	345	225	262	170	330	205	∅10 x4	50(2")	50(2")	10.4
SP-1100D2	570	238	160	345	225	262	170	330	205	∅10 x4	50(2")	50(2")	11.9
SP-1100D	707	275	230	482	295	367	200	430	270	∅10 x4	63(2½")	63(2½")	16.6
SP-1500D	707	275	230	482	295	367	200	430	270	∅10 x4	63(2½")	63(2½")	19
SP-2200D	707	275	230	482	295	367	200	430	270	∅10 x4	63(2½")	63(2½")	18.3

Performance Data

Model				Power		Flow Capacity (m³/hr)	Suction Head (m)	Suction Size (mm)	Discharge Size (mm)	Flow																
Single Phase 220 V		Three Phase 415 V		kW	HP					m																
Model Code	Amp	Model Code	Amp			m																				
SP-370D	3.6	SP-370	1.4	0.37	0.50	0 ~ 12.9	8	50(2")	50(2")	12.5	12.4	12.3	-	12	-	10.7	7.5	-	-	-	-	-	-	-	-	-
SP-550D	5.1	SP-550	1.9	0.55	0.75	0 ~ 15.9	8	50(2")	50(2")	15.2	15	14.9	-	14.8	-	13.6	11	-	7.8	-	-	-	-	-	-	-
SP-750D	5.8	SP-750	2.2	0.75	1.00	0 ~ 17.4	8	50(2")	50(2")	17	16.8	16.6	-	16.2	-	15.3	12.9	-	9.5	7.5	-	-	-	-	-	-
SP-1100D2	7.4	SP-1100-2	3.0	1.10	1.50	0 ~ 20.5	8	50(2")	50(2")	19	18	17.2	-	16.6	-	15.8	14	-	13	11	8.5	-	-	-	-	-
SP-1100D	7.9	SP-1100	3.0	1.10	1.50	0 ~ 30	8	63(2½")	63(2½")	17	-	-	16.8	-	16.5	-	-	15.5	-	-	-	13.2	9.4	6.8	-	-
SP-1500D	10.0	SP-1500	3.9	1.50	2.0	0 ~ 33	8	63(2½")	63(2½")	19	-	-	18.5	-	18	-	-	17.1	-	-	-	14.7	11	9	6.8	-
SP-2200D	13.1	SP-2200	4.9	2.2	3.0	0 ~ 33	8	63(2½")	63(2½")	21.5	-	-	20.9	-	20.5	-	-	19.4	-	-	-	18	15.4	12.6	7.2	-

Water test temp: 20°C

Performance Limits: ISO2548

Std Class C pumps

Speed: 2850 rpm

WATER MANAGEMENT SYSTEMS

Shah Pneumatics

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