



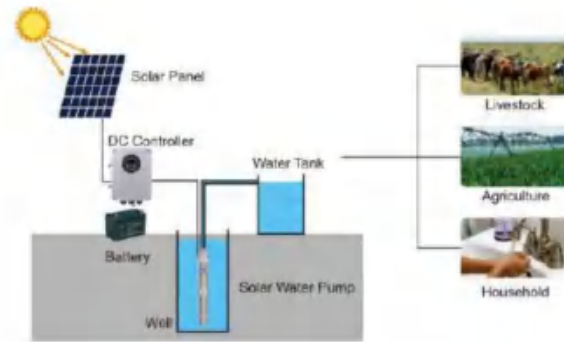
# SOLAR WATER PUMPS



**SOLAR WATER PUMPS**

# CONTENTS

A DC solar pumping system captures sunlight using solar panels, converting it into direct current(DC)electricity. This DC power then drives a pump, equipped with a brushless motor for efficiency. A controller monitors and optimizes the pump's performance based on the available solar energy, ensuring consistent water flow even under varying sunlight conditions.

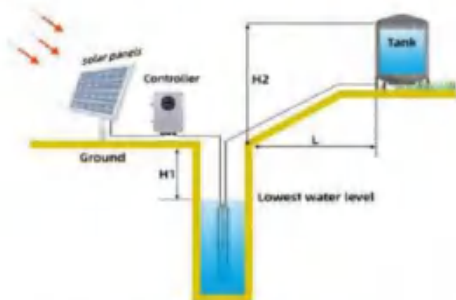


## Controller Unit

- Waterproof Rating:** IP65 ensures resilience against moisture.
- Temperature Tolerance:** Operates effectively between -15°C to 60°C.
- Efficient Energy Use:** Integrated MPPT maximizes solar energy utilization.
- Comprehensive Display:** Monitors power, voltage, current, speed, and other operational metrics.
- Automated Operation:** Controller manages start/stop cycles, allowing 24/7 operation without manual oversight.
- Adaptive Speed Control:** Auto-adjusts to sunlight intensity and offers manual speed modification for customized needs.
- Soft Start Feature:** Eliminates surge currents, safeguarding the pump motor.
- Advanced Protections:** Shields against over/under voltage, excessive current, phase anomalies, short circuits, water scarcity, and high temperatures.

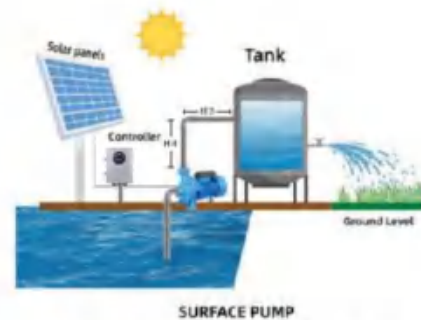


## How to select the right pump



### How to calculate lift (deep well pump)?

H1(Lift from lowest water level to ground):mt  
 H2 (Tank height and additional lift if available) :mt  
 L (Horizontal distance of water delivery):mt  
 Rated head >H1+H2+10%L



### How to calculate Total Head (surface water):

L the horizontal distance from the water source to the water tank  
 H2 vertical height from water source to water tank  
 $H=h3/10+h4$

## How to dimension the Solar Panels



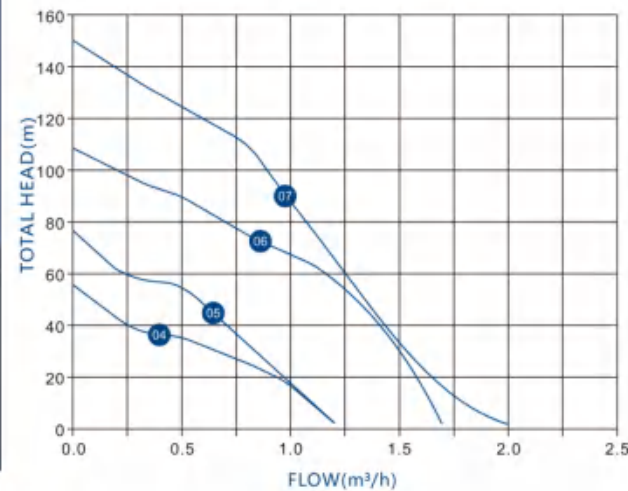
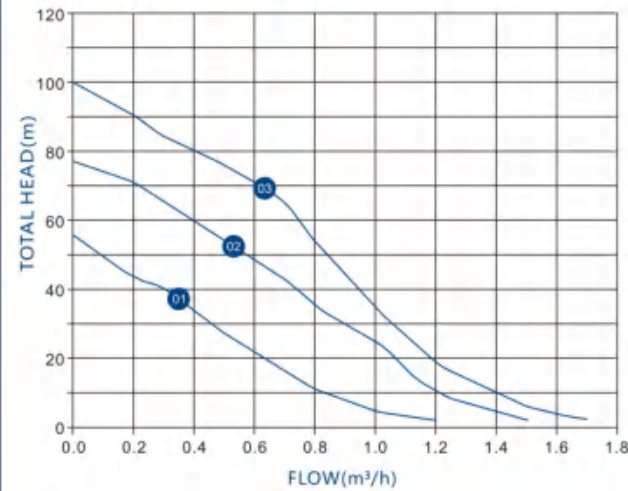
The power of the solar photovoltaic panel array is recommended to be 1.3 times or more than the power of the water pump. The voltage of the solar photovoltaic panel array needs to meet the voltage range of the water pump.

- Step 1 :** Pump power × 1.3 ÷ Solar panels' power = Nr of Solar panels
- Step 2 :** Number of solar panels \* Open circuit voltage < Controller maximum voltage (series mode is selected)  
(If greater than the maximum voltage, consider paral)
- Step 3 :** Number of solar panels \* Operatinr voltage  
Within MPPT voltage range of the controller

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**PERFORMANCE CURVES**



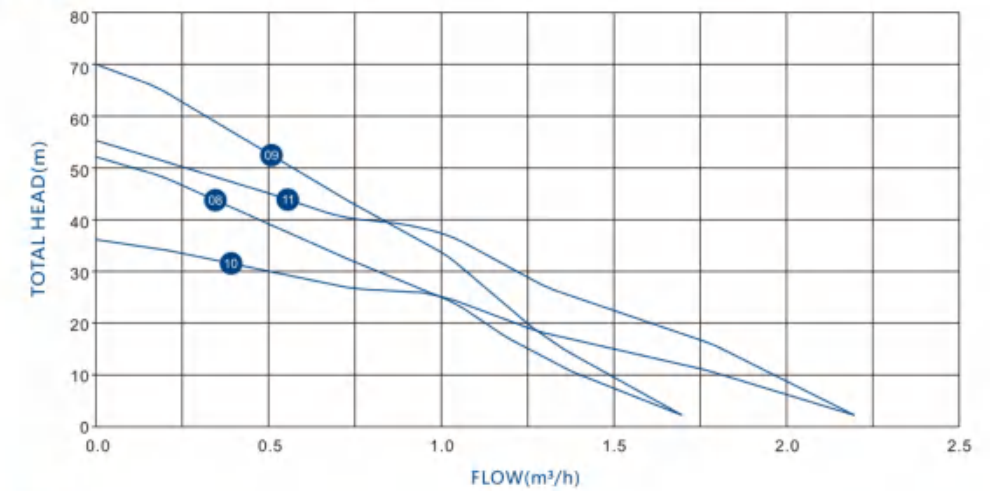
**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
1	2SS1.2-56-24-120	0.12	0.16	1.2m³/h	56m	0.75"	1.5m	550W*1
2	2SS1.5-77-24-210	0.21	0.28	1.5m³/h	77m	0.75"	1.5m	550W*1
3	2SS1.7-100-48-500	0.5	0.67	1.7m³/h	100m	0.75"	1.5m	550W*2

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
4	3SS1.2-56-24-120	0.12	0.16	1.2m³/h	56m	0.75"	2m	550W*1
5	3SS1.2-77-24-210	0.21	0.28	1.2m³/h	77m	0.75"	2m	550W*1
6	3SS1.7-109-48-500	0.5	0.67	1.7m³/h	109m	0.75"	2m	550W*2
7	3SS2.0-150-72-750	0.75	1	2.0m³/h	150m	0.75"	2m	550W*3



**MODEL DEFINITION**

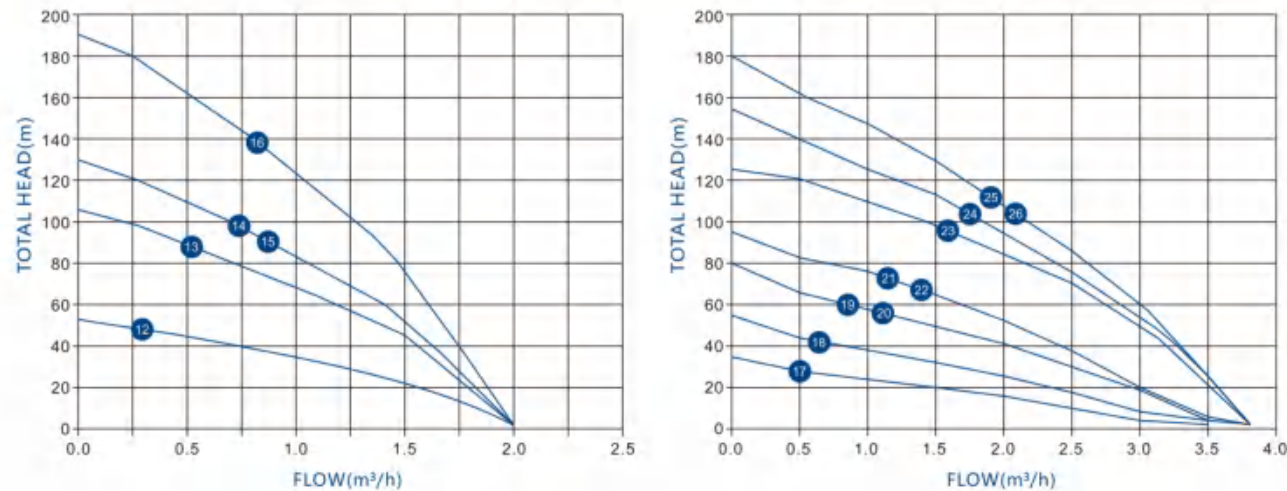


**TECHNICAL DATA**

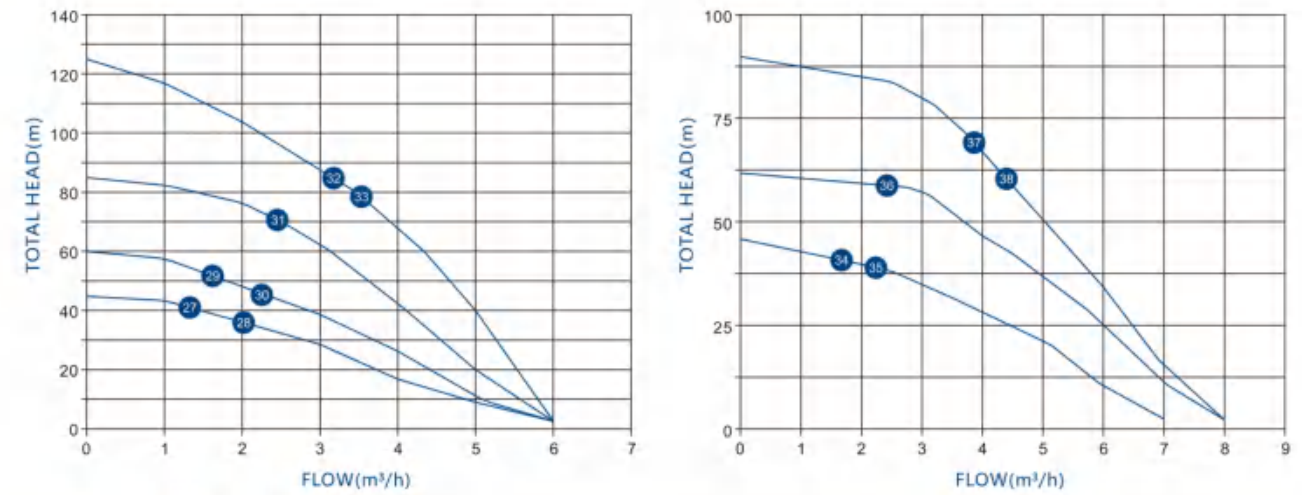
NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
8	2SC1.7-52-24-300	0.3	0.4	1.7m³/h	52m	0.75"	1.5m	550W*1
9	2SC1.7-70-48-400	0.4	0.55	1.7m³/h	70m	0.75"	1.5m	550W*2
10	2SC2.2-36-24-300	0.3	0.4	2.2m³/h	36m	0.75"	1.5m	550W*1
11	2SC2.2-55-48-400	0.4	0.55	2.2m³/h	55m	0.75"	1.5m	550W*2



PERFORMANCE CURVES



PERFORMANCE CURVES

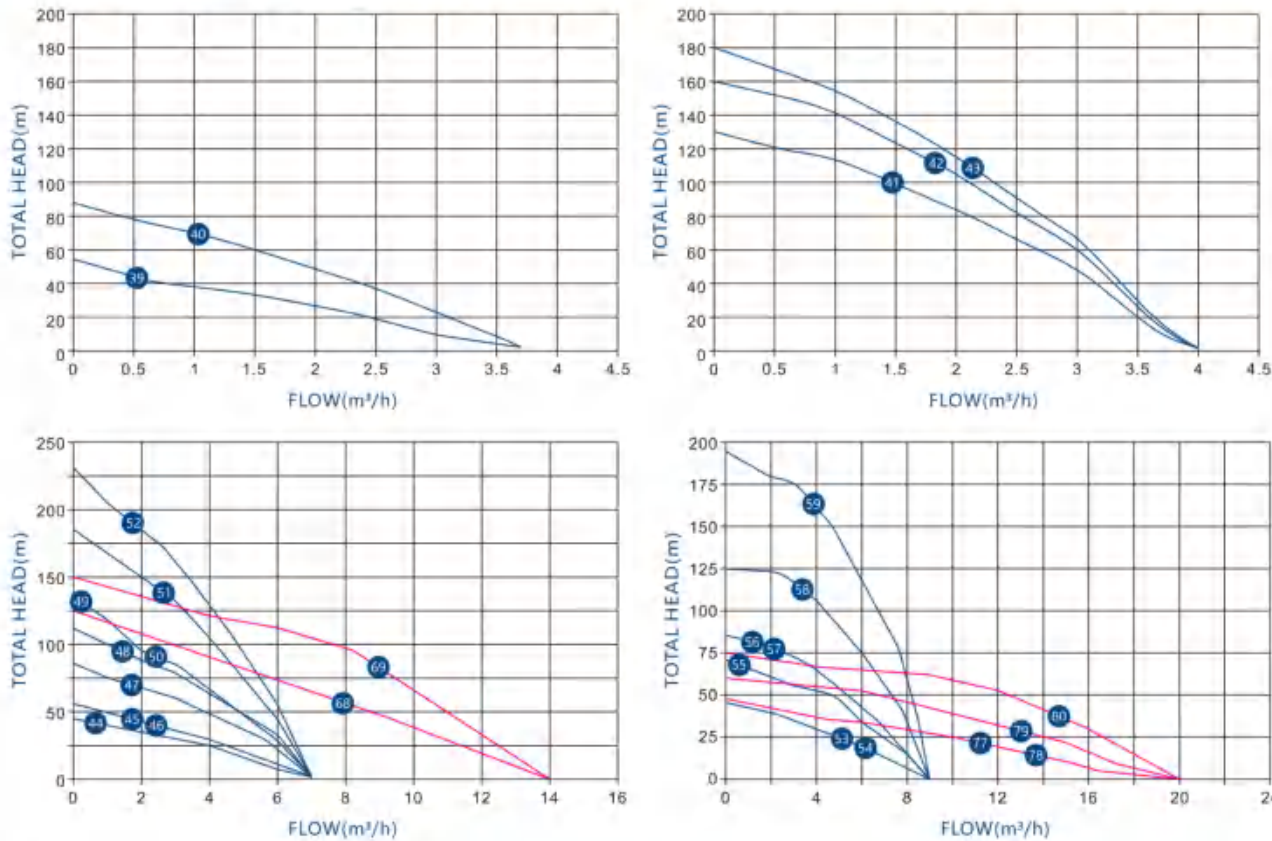


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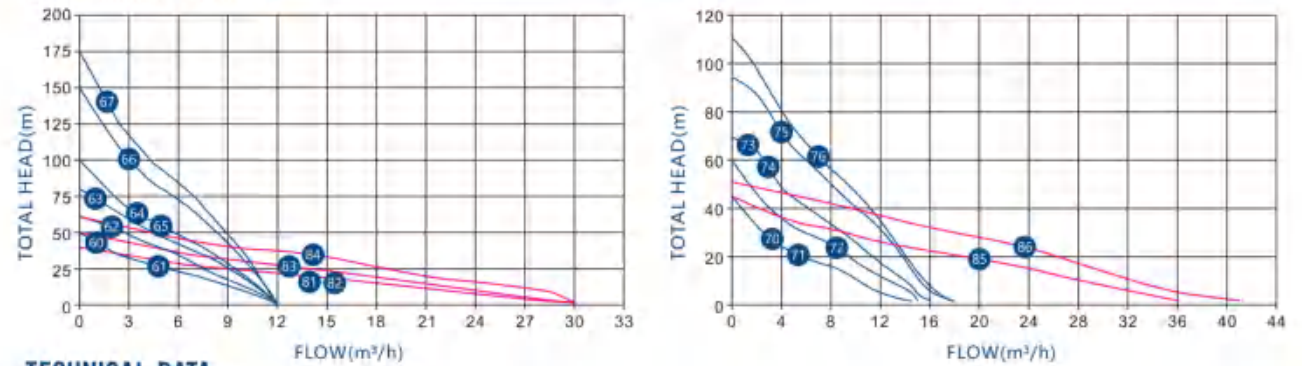
NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
12	3SC2-53-24-300	0.3	0.4	2m³/h	53m	1.25"	2m	550W*1
13	3SC2-105-48-600	0.6	0.8	2m³/h	105m	1.25"	2m	550W*2
14	3SC2-130-48-750	0.75	1	2m³/h	130m	1.25"	2m	550W*2
15	3SC2-130-72-750	0.75	1	2m³/h	130m	1.25"	2m	550W*3
16	3SC2-190-110-1100	1.1	1.5	2m³/h	190m	1.25"	2m	550W*3
17	3SC3.5-35-24-300	0.3	0.4	3.5m³/h	35m	1.25"	2m	550W*1
18	3SC3.8-55-48-400	0.4	0.55	3.8m³/h	55m	1.25"	2m	550W*2
19	3SC3.8-80-48-600	0.6	0.8	3.8m³/h	80m	1.25"	2m	550W*2
20	3SC3.8-80-72-600	0.6	0.8	3.8m³/h	80m	1.25"	2m	550W*3
21	3SC3.8-95-48-750	0.75	1	3.8m³/h	95m	1.25"	2m	550W*2
22	3SC3.8-95-72-750	0.75	1	3.8m³/h	95m	1.25"	2m	550W*3
23	3SC3.8-125-110-1100	1.1	1.5	3.8m³/h	125m	1.25"	2m	550W*3
24	3SC3.8-155-110-1300	1.3	1.75	3.8m³/h	155m	1.25"	2m	550W*3
25	3SC3.8-180-110-1500	1.5	2	3.8m³/h	180m	1.25"	2m	550W*4
26	3SC3.8-180-180-1500	1.5	2	3.8m³/h	180m	1.25"	2m	550W*5
27	3SC6-45-48-600	0.6	0.8	6.0m³/h	45m	1.25"/1.5"	2m	550W*2
28	3SC6-45-72-600	0.6	0.8	6.0m³/h	45m	1.25"/1.5"	2m	550W*3
29	3SC6-60-48-750	0.75	1	6.0m³/h	60m	1.25"/1.5"	2m	550W*2
30	3SC6-60-72-750	0.75	1	6.0m³/h	60m	1.25"/1.5"	2m	550W*3
31	3SC6-85-110-1100	1.1	1.5	6.0m³/h	85m	1.25"/1.5"	2m	550W*3
32	3SC6-125-110-1500	1.5	2	6.0m³/h	125m	1.25"/1.5"	2m	550W*4
33	3SC6-125-180-1500	1.5	2	6.0m³/h	125m	1.25"/1.5"	2m	550W*5
34	3SC7-46-48-750	0.75	1	7.0m³/h	46m	1.25"/1.5"	2m	550W*2
35	3SC7-46-72-750	0.75	1	7.0m³/h	46m	1.25"/1.5"	2m	550W*3
36	3SC8-62-110-1100	1.1	1.5	8.0m³/h	62m	1.25"/1.5"	2m	550W*3
37	3SC8-90-110-1500	1.5	2	8.0m³/h	90m	1.25"/1.5"	2m	550W*4
38	3SC8-90-180-1500	1.5	2	8.0m³/h	90m	1.25"/1.5"	2m	550W*5



**PERFORMANCE CURVES**



**PERFORMANCE CURVES**



**TECHNICAL DATA**

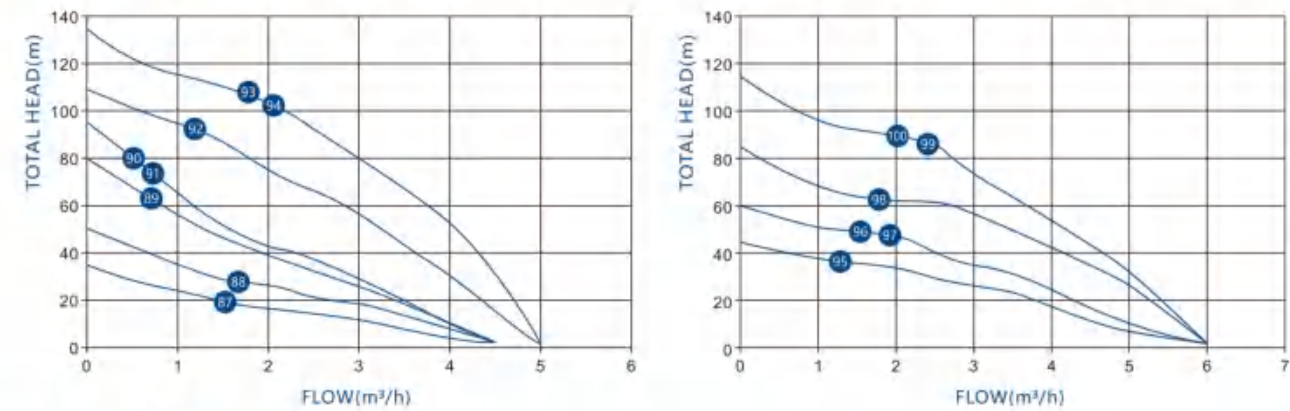
NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
39	4SC3.6-55-48-500	0.5	0.7	3.6m³/h	55m	1.25"	2m	550W*2
40	4SC3.6-88-72-750	0.75	1	3.6m³/h	88m	1.25"	2m	550W*3
41	4SC4-130-110-1100	1.1	1.5	4.0m³/h	130m	1.25"	2m	550W*3
42	4SC4-160-110-1300	1.3	1.75	4.0m³/h	160m	1.25"	2m	550W*3
43	4SC4-180-110-1500	1.5	2	4.0m³/h	180m	1.25"	2m	550W*4
44	4SC7-45-48-600	0.6	0.8	7.0m³/h	45m	1.25"/1.5"/2"	2m	550W*2
45	4SC7-56-48-750	0.75	1	7.0m³/h	56m	1.25"/1.5"/2"	2m	550W*2
46	4SC7-56-72-750	0.75	1	7.0m³/h	56m	1.25"/1.5"/2"	2m	550W*3
47	4SC7-86-110-1100	1.1	1.5	7.0m³/h	86m	1.25"/1.5"/2"	2m	550W*3
48	4SC7-112-110-1300	1.3	1.75	7.0m³/h	112m	1.25"/1.5"/2"	2m	550W*3
49	4SC7-135-110-1500	1.5	2	7.0m³/h	135m	1.25"/1.5"/2"	2m	550W*4
50	4SC7-135-180-1500	1.5	2	7.0m³/h	135m	1.25"/1.5"/2"	2m	550W*5
51	4SC7-185-280-2200	2.2	3	7.0m³/h	185m	1.25"/1.5"/2"	2m	550W*7
52	4SC7-230-300-3000	3	4	7.0m³/h	230m	1.25"/1.5"/2"	2m	550W*8
53	4SC9-45-48-750	0.75	1	9.0m³/h	45m	1.5"/2"	2m	550W*2
54	4SC9-45-72-750	0.75	1	9.0m³/h	45m	1.5"/2"	2m	550W*3
55	4SC9-71-110-1300	1.3	1.75	9.0m³/h	71m	1.5"/2"	2m	550W*3
56	4SC9-85-110-1500	1.5	2	9.0m³/h	85m	1.5"/2"	2m	550W*4
57	4SC9-85-180-1500	1.5	2	9.0m³/h	85m	1.5"/2"	2m	550W*5
58	4SC9-125-280-2200	2.2	3	9.0m³/h	125m	1.5"/2"	2m	550W*7
59	4SC9-195-300-3000	3	4	9.0m³/h	195m	1.5"/2"	2m	550W*8
60	4SC12-50-48-750	0.75	1	12.0m³/h	50m	2"	2m	550W*2
61	4SC12-50-72-750	0.75	1	12.0m³/h	50m	2"	2m	550W*3
62	4SC12-60-110-1100	1.1	1.5	12.0m³/h	60m	2"	2m	550W*3
63	4SC12-80-110-1300	1.3	1.75	12.0m³/h	80m	2"	2m	550W*3
64	4SC12-100-110-1500	1.5	2	12.0m³/h	100m	2"	2m	550W*4
65	4SC12-100-180-1500	1.5	2	12.0m³/h	100m	2"	2m	550W*5
66	4SC12-150-280-2200	2.2	3	12.0m³/h	150m	2"	2m	550W*7
67	4SC12-175-300-3000	3	4	12.0m³/h	175m	2"	2m	550W*8
68	4SC14-125-280-2200	2.2	3	14.0m³/h	125m	2"	2m	550W*7
69	4SC14-150-300-3000	3	4	14.0m³/h	150m	2"	2m	550W*8
70	4SC15-45-48-750	0.75	1	15.0m³/h	45m	2"	2m	550W*2
71	4SC15-45-72-750	0.75	1	15.0m³/h	45m	2"	2m	550W*3
72	4SC15-60-110-1100	1.1	1.5	15.0m³/h	60m	2"	2m	550W*3
73	4SC16-70-110-1500	1.5	2	16.0m³/h	70m	2"	2m	550W*4
74	4SC16-70-180-1500	1.5	2	16.0m³/h	70m	2"	2m	550W*5
75	4SC18-95-280-2200	2.2	3	18.0m³/h	95m	2"	2m	550W*7
76	4SC18-112-300-3000	3	4	18.0m³/h	112m	2"	2m	550W*8
77	4SC20-48-110-1500	1.5	2	20.0m³/h	48m	2"	2m	550W*4
78	4SC20-48-180-1500	1.5	2	20.0m³/h	48m	2"	2m	550W*5
79	4SC20-60-280-2200	2.2	3	20.0m³/h	60m	2"	2m	550W*7
80	4SC20-75-300-3000	3	4	20.0m³/h	75m	2"	2m	550W*8
81	4SC30-40-110-1500	1.5	2	30.0m³/h	40m	2"	2m	550W*4
82	4SC30-40-180-1500	1.5	2	30.0m³/h	40m	2"	2m	550W*5
83	4SC30-50-280-2200	2.2	3	30.0m³/h	50m	2"	2m	550W*7
84	4SC30-60-300-3000	3	4	30.0m³/h	60m	2"	2m	550W*8
85	4SC36-45-280-2200	2.2	3	36.0m³/h	45m	2"	2m	550W*7
86	4SC41-52-300-3000	3	4	41.0m³/h	52m	2"	2m	550W*8



## 3SSC



### PERFORMANCE CURVES

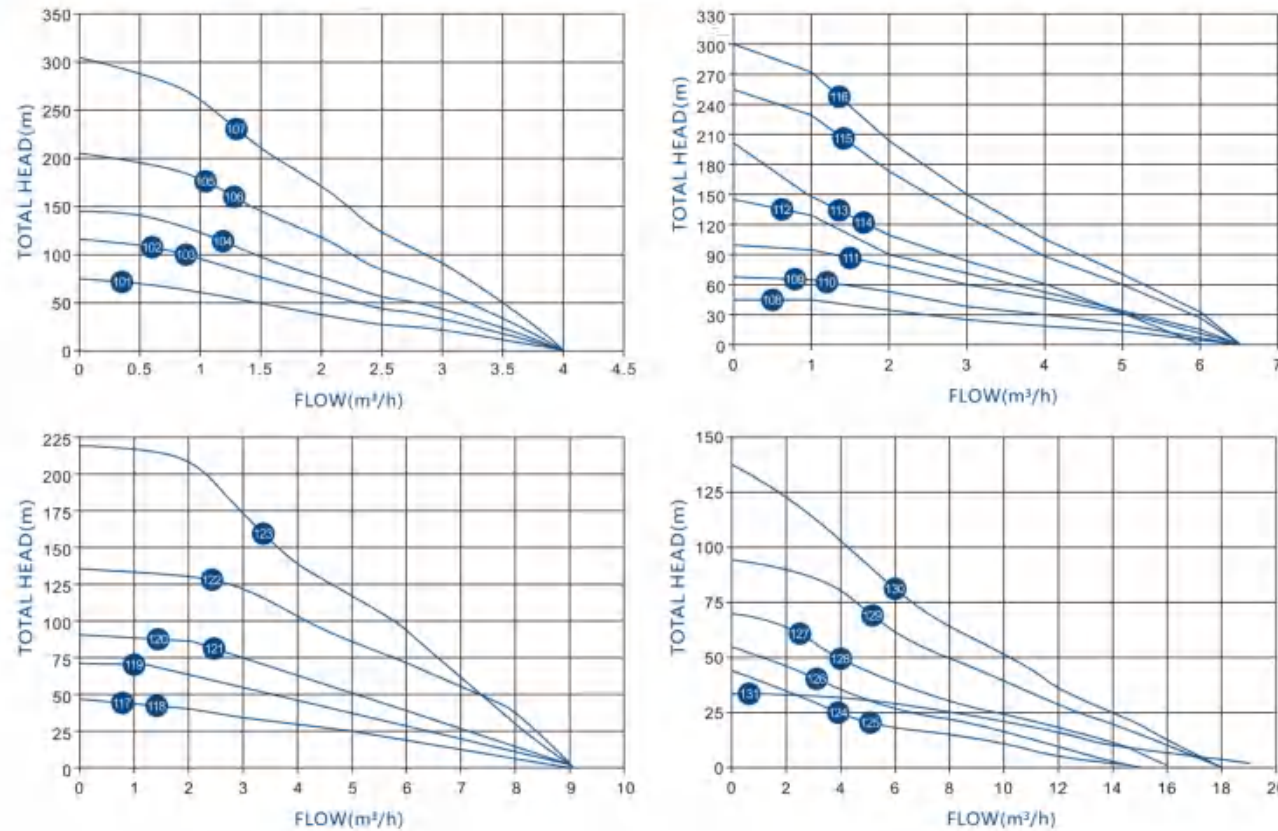


### TECHNICAL DATA

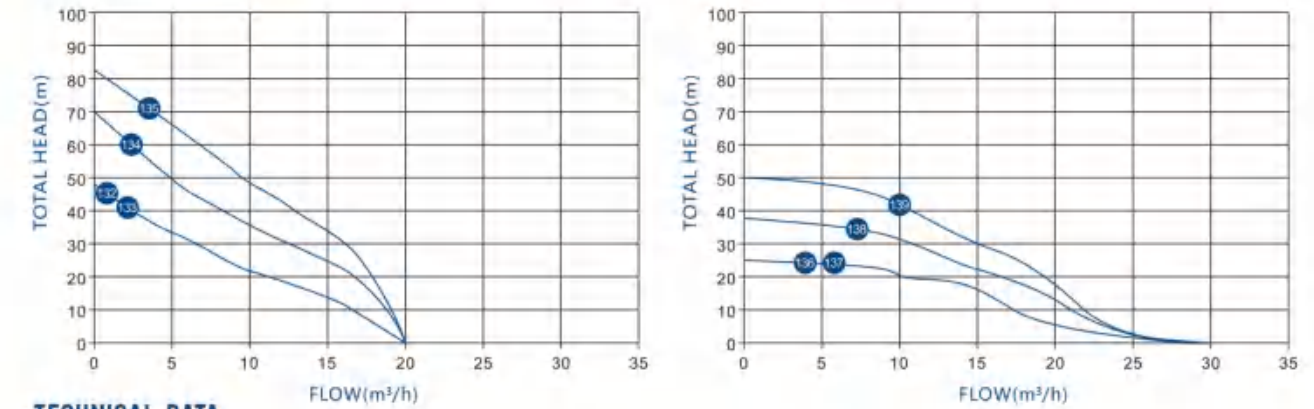
NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
87	3SSC4.5-35-24-300	0.3	0.4	4.5m³/h	35m	1.25"	2m	550W*1
88	3SSC4.5-50-48-400	0.4	0.55	4.5m³/h	50m	1.25"	2m	550W*2
89	3SSC4.5-80-48-600	0.6	0.8	4.5m³/h	80m	1.25"	2m	550W*2
90	3SSC4.5-95-48-750	0.75	1	4.5m³/h	95m	1.25"	2m	550W*2
91	3SSC4.5-95-72-750	0.75	1	4.5m³/h	95m	1.25"	2m	550W*3
92	3SSC5-110-110-1100	1.1	1.5	5.0m³/h	110m	1.25"	2m	550W*3
93	3SSC5-135-110-1500	1.5	2	5.0m³/h	135m	1.25"	2m	550W*4
94	3SSC5-135-180-1500	1.5	2	5.0m³/h	135m	1.25"	2m	550W*5
95	3SSC6-44-48-600	0.6	0.8	6.0m³/h	44m	1.25"	2m	550W*2
96	3SSC6-60-48-750	0.75	1	6.0m³/h	60m	1.25"	2m	550W*2
97	3SSC6-60-72-750	0.75	1	6.0m³/h	60m	1.25"	2m	550W*3
98	3SSC6-85-110-1100	1.1	1.5	6.0m³/h	85m	1.25"	2m	550W*3
99	3SSC6-115-110-1500	1.5	2	6.0m³/h	115m	1.25"	2m	550W*4
100	3SSC6-115-180-1500	1.5	2	6.0m³/h	115m	1.25"	2m	550W*5



PERFORMANCE CURVES



PERFORMANCE CURVES

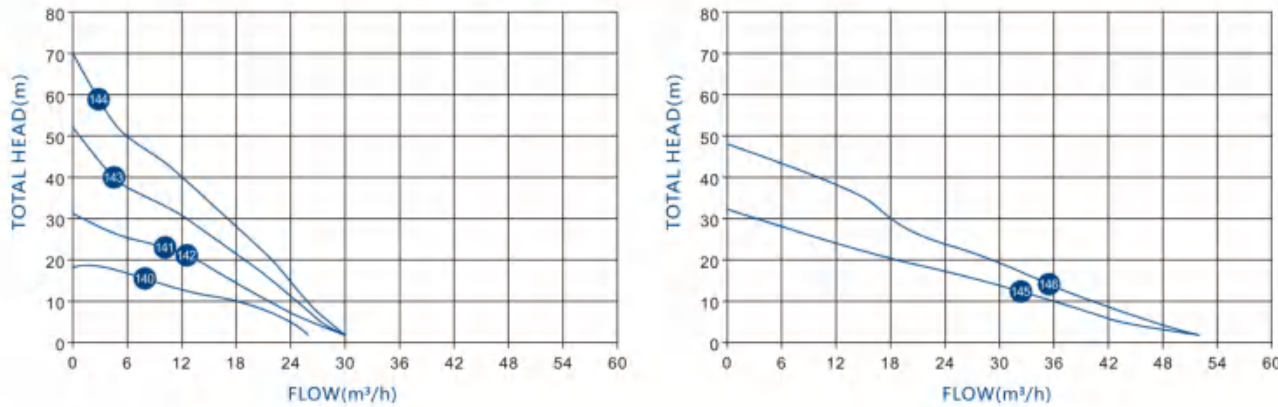


TECHNICAL DATA

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
101	4SSC4-75-48-600	0.6	0.8	4.0m³/h	75m	1.25"	2m	550W*2
102	4SSC4-115-48-750	0.75	1	4.0m³/h	115m	1.25"	2m	550W*2
103	4SSC4-115-72-750	0.75	1	4.0m³/h	115m	1.25"	2m	550W*3
104	4SSC4-145-110-1100	1.1	1.5	4.0m³/h	145m	1.25"	2m	550W*3
105	4SSC4-205-110-1500	1.5	2	4.0m³/h	205m	1.25"	2m	550W*4
106	4SSC4-205-180-1500	1.5	2	4.0m³/h	205m	1.25"	2m	550W*5
107	4SSC4-303-280-2200	2.2	3	4.0m³/h	303m	1.25"	2m	550W*7
108	4SSC6.5-45-48-500	0.5	0.7	6.5m³/h	45m	1.25"	2m	550W*2
109	4SSC6.5-67-48-750	0.75	1	6.5m³/h	67m	1.25"	2m	550W*2
110	4SSC6.5-67-72-750	0.75	1	6.5m³/h	67m	1.25"	2m	550W*3
111	4SSC6.5-101-110-1100	1.1	1.5	6.5m³/h	101m	1.25"	2m	550W*3
112	4SSC6.5-146-110-1300	1.3	1.75	6.5m³/h	146m	1.25"	2m	550W*3
113	4SSC6-203-110-1500	1.5	2	6.0m³/h	203m	1.25"	2m	550W*4
114	4SSC6-203-180-1500	1.5	2	6.0m³/h	203m	1.25"	2m	550W*5
115	4SSC6.5-255-280-2200	2.2	3	6.5m³/h	255m	1.25"	2m	550W*7
116	4SSC6.5-300-300-3000	3	4	6.5m³/h	300m	1.25"	2m	550W*8
117	4SSC9-48-48-750	0.75	1	9.0m³/h	48m	2"	2m	550W*2
118	4SSC9-48-72-750	0.75	1	9.0m³/h	48m	2"	2m	550W*3
119	4SSC9-70-110-1100	1.1	1.5	9.0m³/h	70m	2"	2m	550W*3
120	4SSC9-90-110-1500	1.5	2	9.0m³/h	90m	2"	2m	550W*4
121	4SSC9-90-180-1500	1.5	2	9.0m³/h	90m	2"	2m	550W*5
122	4SSC9-135-280-2200	2.2	3	9.0m³/h	135m	2"	2m	550W*7
123	4SSC9-220-300-3000	3	4	9.0m³/h	220m	2"	2m	550W*8
124	4SSC14.5-45-48-750	0.75	1	14.5m³/h	45m	2"	2m	550W*2
125	4SSC14.5-45-72-750	0.75	1	14.5m³/h	45m	2"	2m	550W*3
126	4SSC15-55-110-1100	1.1	1.5	15.0m³/h	55m	2"	2m	550W*3
127	4SSC16-70-110-1500	1.5	2	16.0m³/h	70m	2"	2m	550W*4
128	4SSC16-70-180-1500	1.5	2	16.0m³/h	70m	2"	2m	550W*5
129	4SSC18-95-280-2200	2.2	3	18.0m³/h	95m	2"	2m	550W*7
130	4SSC18-137-300-3000	3	4	18.0m³/h	137m	2"	2m	550W*8
131	4SSC19-35-110-1100	1.1	1.5	19.0m³/h	35m	2"	2m	550W*3
132	4SSC20-48-110-1500	1.5	2	20.0m³/h	48m	2"	2m	550W*4
133	4SSC20-48-180-1500	1.5	2	20.0m³/h	48m	2"	2m	550W*5
134	4SSC20-70-280-2200	2.2	3	20.0m³/h	70m	2"	2m	550W*7
135	4SSC20-82-300-3000	3	4	20.0m³/h	82m	2"	2m	550W*8
136	4SSC25-25-110-1500	1.5	2	25.0m³/h	25m	2"	2m	550W*4
137	4SSC25-25-180-1500	1.5	2	25.0m³/h	25m	2"	2m	550W*5
138	4SSC30-38-280-2200	2.2	3	30.0m³/h	38m	2"	2m	550W*7
139	4SSC30-50-300-3000	3	4	30.0m³/h	50m	2"	2m	550W*8



PERFORMANCE CURVES

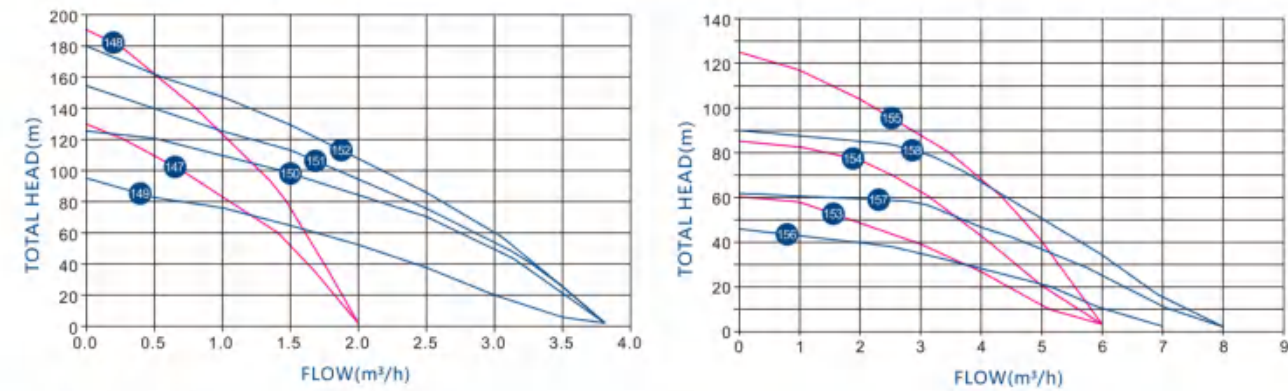


TECHNICAL DATA

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
140	4/6SSC26-18-110-1100	1.1	1.5	26.0m³/h	18m	3"	2m	550W*3
141	4/6SSC30-31-110-1500	1.5	2	30.0m³/h	31m	3"	2m	550W*4
142	4/6SSC30-31-180-1500	1.5	2	30.0m³/h	31m	3"	2m	550W*5
143	4/6SSC30-52-280-2200	2.2	3	30.0m³/h	52m	3"	2m	550W*7
144	4/6SSC30-70-300-3000	3	4	30.0m³/h	70m	3"	2m	550W*8
145	4/6SSC52-32-280-2200	2.2	3	52.0m³/h	32m	3"	2m	550W*7
146	4/6SSC52-48-300-3000	3	4	52.0m³/h	48m	3"	2m	550W*8



PERFORMANCE CURVES

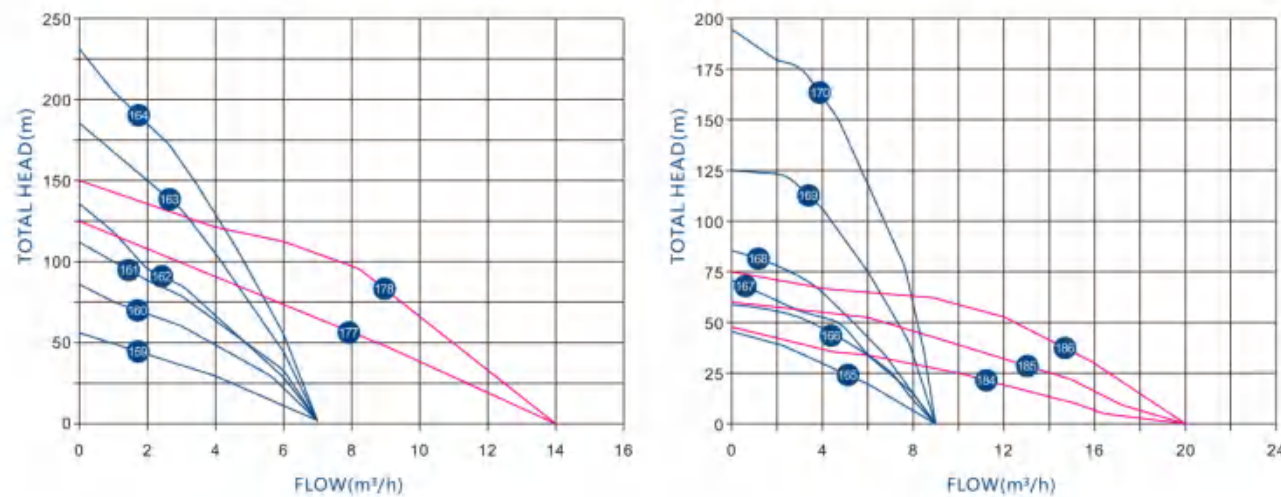


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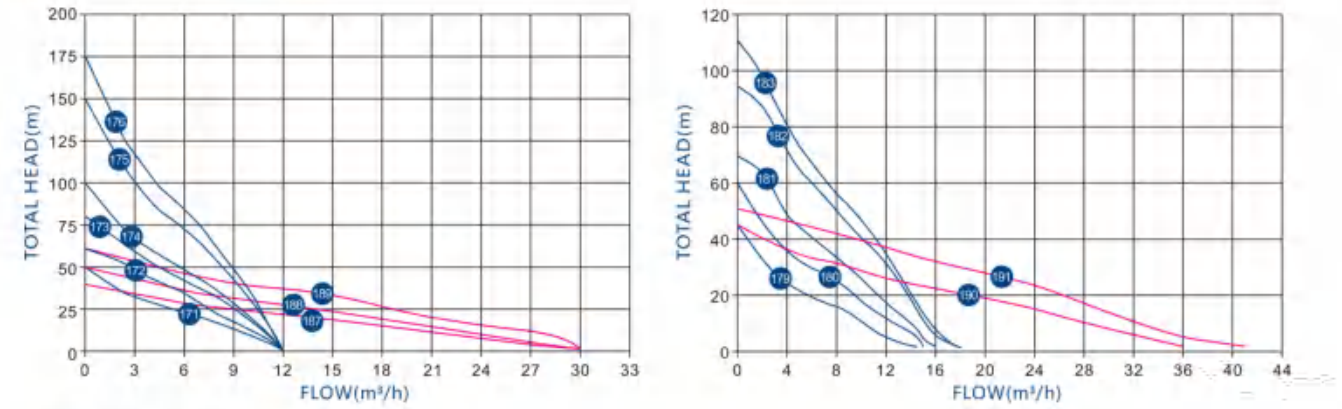
NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
147	3SC2-130-96-750-A/D	0.75	1	2m³/h	130m	1.25"	2m	550W*3
148	3SC2-190-150-1100-A/D	1.1	1.5	2m³/h	190m	1.25"	2m	550W*4
149	3SC3.8-95-96-750-A/D	0.75	1	3.8m³/h	95m	1.25"	2m	550W*3
150	3SC3.8-125-150-1100-A/D	1.1	1.5	3.8m³/h	125m	1.25"	2m	550W*4
151	3SC3.8-155-170-1300-A/D	1.3	1.75	3.8m³/h	155m	1.25"	2m	550W*5
152	3SC3.8-180-180-1500-A/D	1.5	2	3.8m³/h	180m	1.25"	2m	550W*5
153	3SC6-60-96-750-A/D	0.75	1	6.0m³/h	60m	1.25"/1.5"	2m	550W*3
154	3SC6-85-150-1100-A/D	1.1	1.5	6.0m³/h	85m	1.25"/1.5"	2m	550W*4
155	3SC6-125-180-1500-A/D	1.5	2	6.0m³/h	125m	1.25"/1.5"	2m	550W*5
156	3SC7-46-96-750-A/D	0.75	1	7.0m³/h	46m	1.25"/1.5"	2m	550W*3
157	3SC8-62-150-1100-A/D	1.1	1.5	8.0m³/h	62m	1.25"/1.5"	2m	550W*4
158	3SC8-90-180-1500-A/D	1.5	2	8.0m³/h	90m	1.25"/1.5"	2m	550W*5



**PERFORMANCE CURVES**



**PERFORMANCE CURVES**

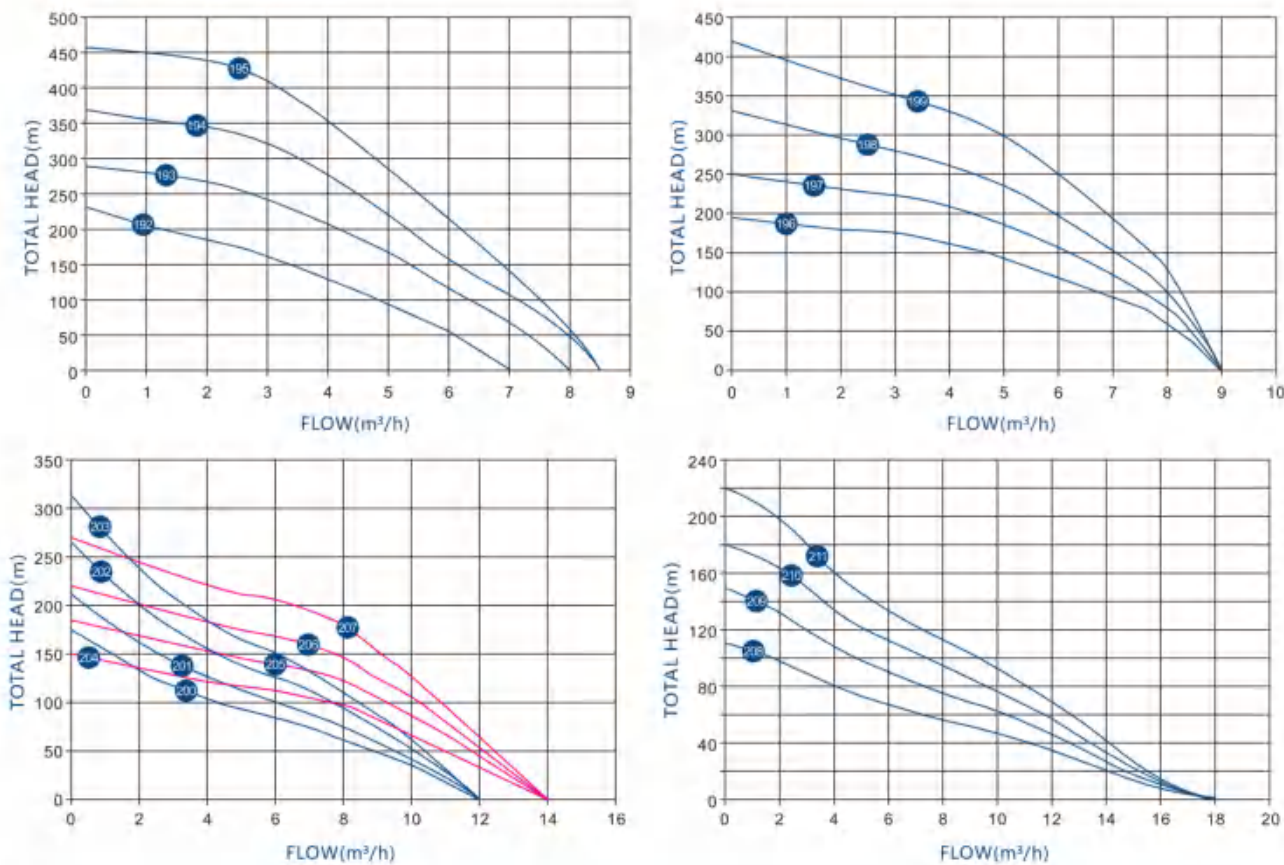


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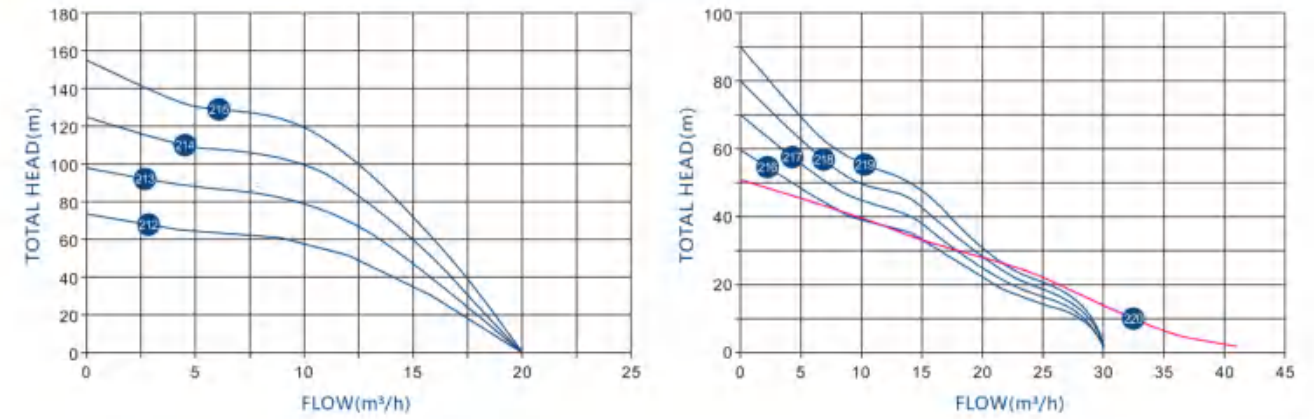
NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
159	4SC7-56-96-750-A/D	0.75	1	7.0m³/h	56m	1.25"/1.5"/2"	2m	550W*3
160	4SC7-86-150-1100-A/D	1.1	1.5	7.0m³/h	86m	1.25"/1.5"/2"	2m	550W*4
161	4SC7-112-170-1300-A/D	1.3	1.75	7.0m³/h	112m	1.25"/1.5"/2"	2m	550W*5
162	4SC7-135-180-1500-A/D	1.5	2	7.0m³/h	135m	1.25"/1.5"/2"	2m	550W*5
163	4SC7-185-280-2200-A/D	2.2	3	7.0m³/h	185m	1.25"/1.5"/2"	2m	550W*7
164	4SC7-230-300-3000-A/D	3	4	7.0m³/h	230m	1.25"/1.5"/2"	2m	550W*8
165	4SC9-45-96-750-A/D	0.75	1	9.0m³/h	45m	1.5"/2"	2m	550W*3
166	4SC9-58-150-1100-A/D	1.1	1.5	9.0m³/h	58m	1.5"/2"	2m	550W*4
167	4SC9-71-170-1300-A/D	1.3	1.75	9.0m³/h	71m	1.5"/2"	2m	550W*5
168	4SC9-85-180-1500-A/D	1.5	2	9.0m³/h	85m	1.5"/2"	2m	550W*5
169	4SC9-125-280-2200-A/D	2.2	3	9.0m³/h	125m	1.5"/2"	2m	550W*7
170	4SC9-195-300-3000-A/D	3	4	9.0m³/h	195m	1.5"/2"	2m	550W*8
171	4SC12-50-96-750-A/D	0.75	1	12.0m³/h	50m	2"	2m	550W*3
172	4SC12-60-150-1100-A/D	1.1	1.5	12.0m³/h	60m	2"	2m	550W*4
173	4SC12-80-170-1300-A/D	1.3	1.75	12.0m³/h	80m	2"	2m	550W*5
174	4SC12-100-180-1500-A/D	1.5	2	12.0m³/h	100m	2"	2m	550W*5
175	4SC12-150-280-2200-A/D	2.2	3	12.0m³/h	150m	2"	2m	550W*7
176	4SC12-175-300-3000-A/D	3	4	12.0m³/h	175m	2"	2m	550W*8
177	4SC14-125-280-2200-A/D	2.2	3	14.0m³/h	125m	2"	2m	550W*7
178	4SC14-150-300-3000-A/D	3	4	14.0m³/h	150m	2"	2m	550W*8
179	4SC15-45-96-750-A/D	0.75	1	15.0m³/h	45m	2"	2m	550W*3
180	4SC15-60-150-1100-A/D	1.1	1.5	15.0m³/h	60m	2"	2m	550W*4
181	4SC16-70-180-1500-A/D	1.5	2	16.0m³/h	70m	2"	2m	550W*5
182	4SC18-95-280-2200-A/D	2.2	3	18.0m³/h	95m	2"	2m	550W*7
183	4SC18-112-300-3000-A/D	3	4	18.0m³/h	112m	2"	2m	550W*8
184	4SC20-48-180-1500-A/D	1.5	2	20.0m³/h	48m	2"	2m	550W*5
185	4SC20-60-280-2200-A/D	2.2	3	20.0m³/h	60m	2"	2m	550W*7
186	4SC20-75-300-3000-A/D	3	4	20.0m³/h	75m	2"	2m	550W*8
187	4SC30-40-180-1500-A/D	1.5	2	30.0m³/h	40m	2"	2m	550W*5
188	4SC30-50-280-2200-A/D	2.2	3	30.0m³/h	50m	2"	2m	550W*7
189	4SC30-60-300-3000-A/D	3	4	30.0m³/h	60m	2"	2m	550W*8
190	4SC36-45-280-2200-A/D	2.2	3	36.0m³/h	45m	3"	2m	550W*7
191	4SC41-52-300-3000-A/D	3	4	41.0m³/h	52m	3"	2m	550W*8



**PERFORMANCE CURVES**



**PERFORMANCE CURVES**



**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable	Solar Panels
		Kw	HP					
192	4SC7-230-530-3000-A/D	3	4	7.0m³/h	230m	1.25"/1.5"/2"	2m	550W*12
193	4SC8-290-530-4000-A/D	4	5.5	8.0m³/h	290m	1.25"/1.5"/2"	2m	550W*12
194	4SC8.5-370-530-5500-A/D	5.5	7.5	8.5m³/h	370m	1.25"/1.5"/2"	2m	550W*13
195	4SC8.5-456-530-7500-A/D	7.5	10	8.5m³/h	456m	1.25"/1.5"/2"	2m	550W*13*2
196	4SC9-195-530-3000-A/D	3	4	9.0m³/h	195m	1.5"/2"	2m	550W*12
197	4SC9-250-530-4000-A/D	4	5.5	9.0m³/h	250m	1.5"/2"	2m	550W*12
198	4SC9-330-530-5500-A/D	5.5	7.5	9.0m³/h	330m	1.5"/2"	2m	550W*13
199	4SC9-420-530-7500-A/D	7.5	10	9.0m³/h	420m	1.5"/2"	2m	550W*13*2
200	4SC12-175-530-3000-A/D	3	4	12.0m³/h	175m	2"	2m	550W*12
201	4SC12-213-530-4000-A/D	4	5.5	12.0m³/h	213m	2"	2m	550W*12
202	4SC12-265-530-5500-A/D	5.5	7.5	12.0m³/h	265m	2"	2m	550W*13
203	4SC12-315-530-7500-A/D	7.5	10	12.0m³/h	315m	2"	2m	550W*13*2
204	4SC14-150-530-3000-A/D	3	4	14.0m³/h	150m	2"	2m	550W*12
205	4SC14-185-530-4000-A/D	4	5.5	14.0m³/h	185m	2"	2m	550W*12
206	4SC14-220-530-5500-A/D	5.5	7.5	14.0m³/h	220m	2"	2m	550W*13
207	4SC14-270-530-7500-A/D	7.5	10	14.0m³/h	270m	2"	2m	550W*13*2
208	4SC18-112-530-3000-A/D	3	4	18.0m³/h	112m	2"	2m	550W*12
209	4SC18-150-530-4000-A/D	4	5.5	18.0m³/h	150m	2"	2m	550W*12
210	4SC18-180-530-5500-A/D	5.5	7.5	18.0m³/h	180m	2"	2m	550W*13
211	4SC18-220-530-7500-A/D	7.5	10	18.0m³/h	220m	2"	2m	550W*13*2
212	4SC20-75-530-3000-A/D	3	4	20.0m³/h	75m	2"	2m	550W*12
213	4SC20-98-530-4000-A/D	4	5.5	20.0m³/h	98m	2"	2m	550W*12
214	4SC20-125-530-5500-A/D	5.5	7.5	20.0m³/h	125m	2"	2m	550W*13
215	4SC20-155-530-7500-A/D	7.5	10	20.0m³/h	155m	2"	2m	550W*13*2
216	4SC30-60-530-3000-A/D	3	4	30.0m³/h	60m	2"	2m	550W*12
217	4SC30-70-530-4000-A/D	4	5.5	30.0m³/h	70m	2"	2m	550W*12
218	4SC30-80-530-5500-A/D	5.5	7.5	30.0m³/h	80m	2"	2m	550W*13
219	4SC30-90-530-7500-A/D	7.5	10	30.0m³/h	90m	2"	2m	550W*13*2
220	4SC41-52-530-3000-A/D	3	4	41.0m³/h	52m	3"	2m	550W*12