



**SOLAR WATER PUMPS**

# BLUESUN SOLAR WATER PUMPS

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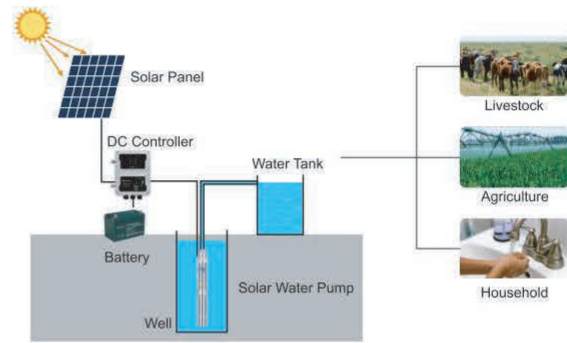
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A DC solar pumping system captures sunlight using solar panels, converting it into direct current(DC)electricity. This DC power then drives a pump, equipped with a brushless motor for efficiency. A controller monitors and optimizes the pump's performance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

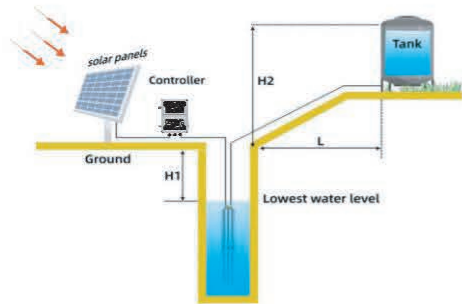


## Controller Unit

- 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.

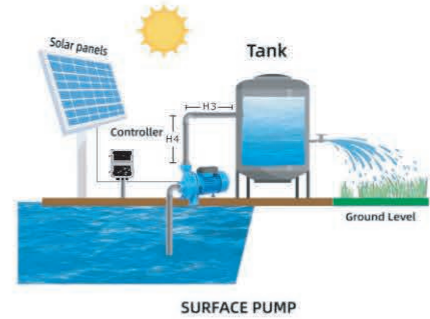


## How to select the right pump



### 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
- $H=h3/10+h4$

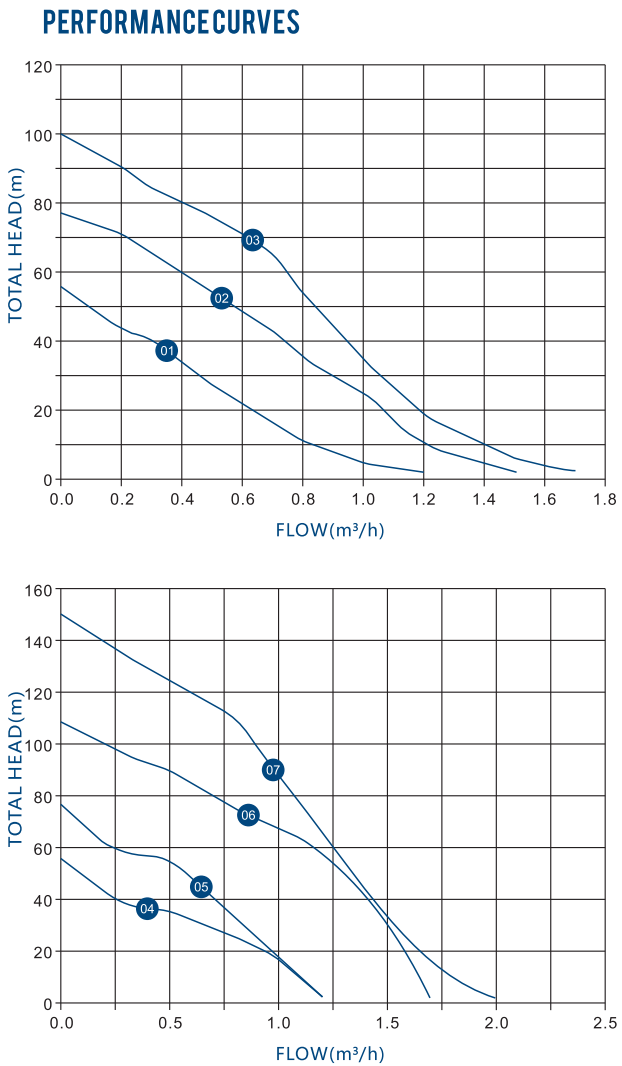
## How to dimension the Solar Panels



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 \* Operating voltage  
Within MPPT voltage range of the controller

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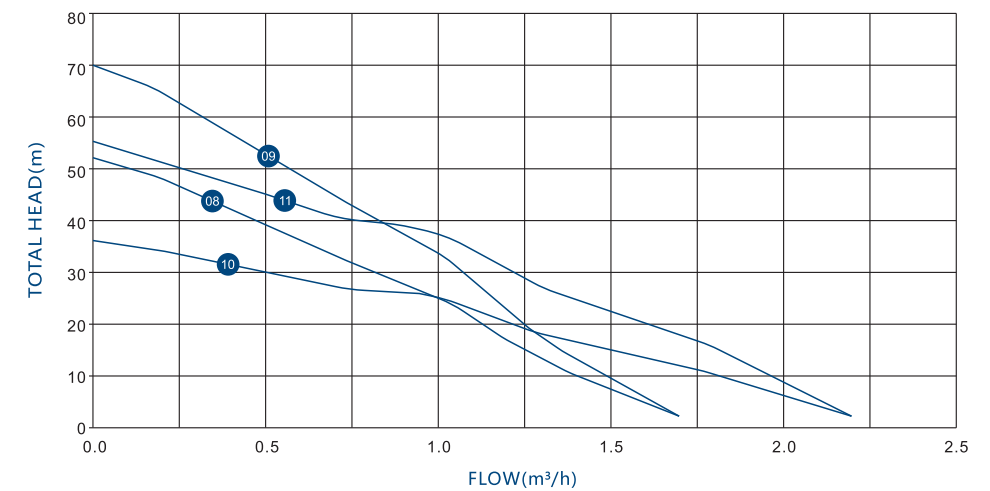
**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
1	BSM2SS1.2-56-24-120	0.12	0.16	1.2m³/h	56m	0.75"	1.5m	550W*1
2	BSM2SS1.5-77-24-210	0.21	0.28	1.5m³/h	77m	0.75"	1.5m	550W*1
3	BSM2SS1.7-100-48-500	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	BSM3SS1.2-56-24-120	0.12	0.16	1.2m³/h	56m	0.75"	2m	550W*1
5	BSM3SS1.2-77-24-210	0.21	0.28	1.2m³/h	77m	0.75"	2m	550W*1
6	BSM3SS1.7-109-48-500	0.5	0.67	1.7m³/h	109m	0.75"	2m	550W*2
7	BSM3SS2.0-150-72-750	0.75	1	2.0m³/h	150m	0.75"	2m	550W*3



**MODEL DEFINITION**

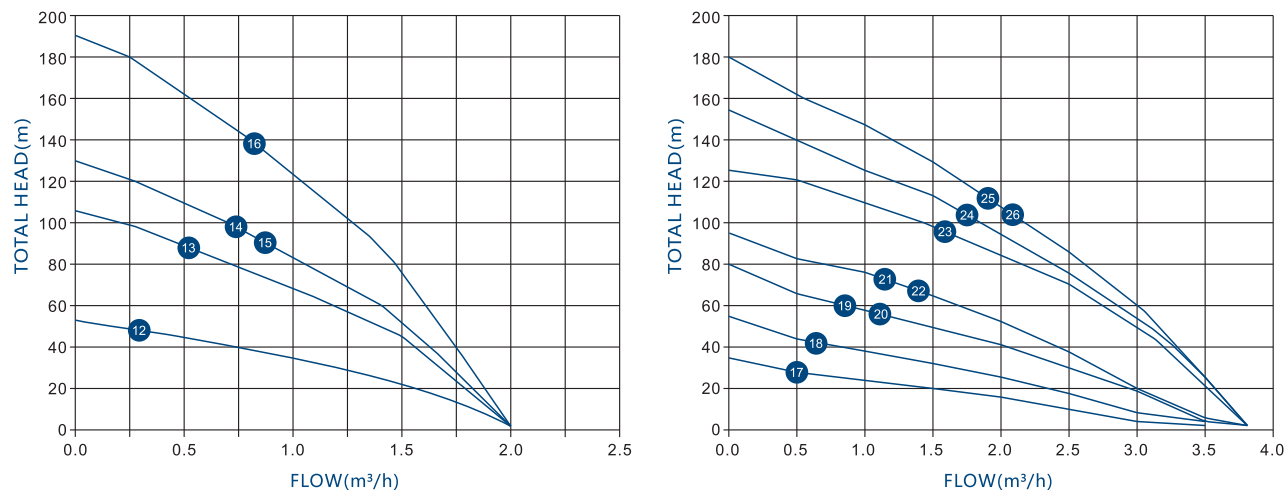


**TECHNICAL DATA**

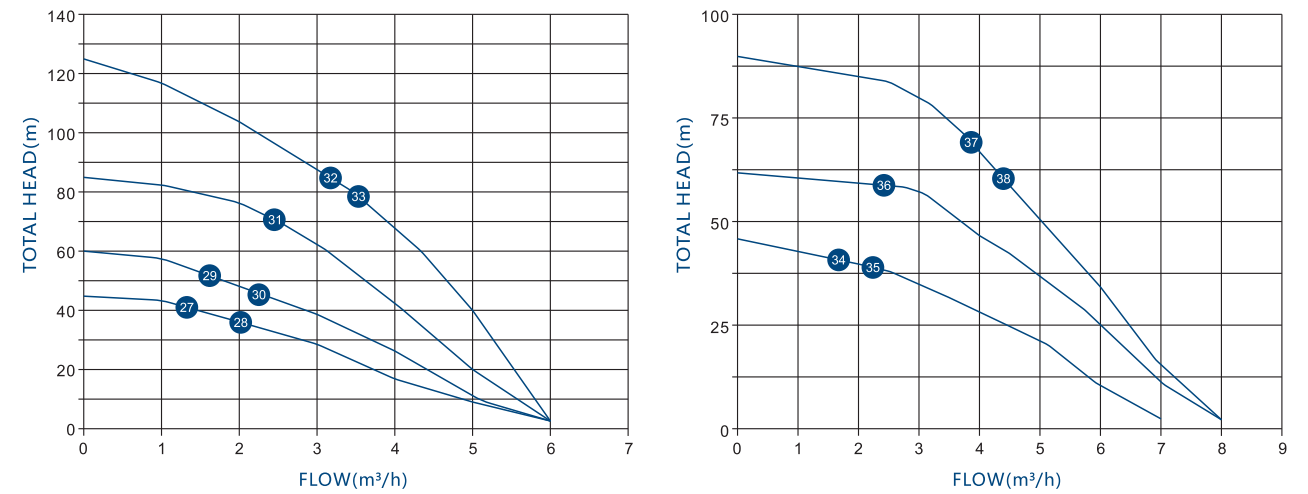
NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
8	BSM 2SC1.7-52-24-300	0.3	0.4	1.7m³/h	52m	0.75"	1.5m	550W*1
9	BSM 2SC1.7-70-48-400	0.4	0.55	1.7m³/h	70m	0.75"	1.5m	550W*2
10	BSM 2SC2.2-36-24-300	0.3	0.4	2.2m³/h	36m	0.75"	1.5m	550W*1
11	BSM 2SC2.2-55-48-400	0.4	0.55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



**PERFORMANCE CURVES**



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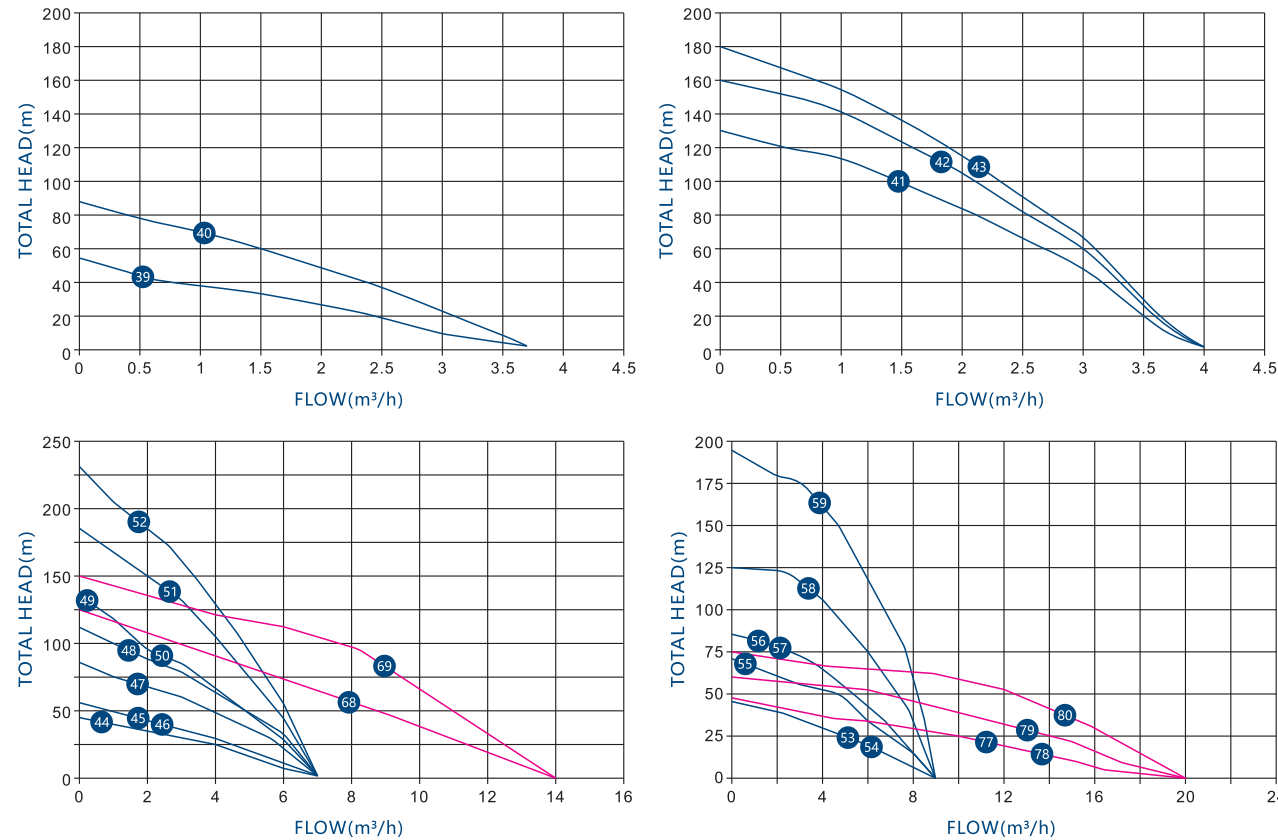
**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
12	BSM3SC2-53-24-300	0.3	0.4	2m³/h	53m	1.25"	2m	550W*1
13	BSM3SC2-105-48-600	0.6	0.8	2m³/h	105m	1.25"	2m	550W*2
14	BSM3SC2-130-48-750	0.75	1	2m³/h	130m	1.25"	2m	550W*2
15	BSM3SC2-130-72-750	0.75	1	2m³/h	130m	1.25"	2m	550W*3
16	BSM3SC2-190-110-1100	1.1	1.5	2m³/h	190m	1.25"	2m	550W*3
17	BSM3SC3.5-35-24-300	0.3	0.4	3.5m³/h	35m	1.25"	2m	550W*1
18	BSM3SC3.8-55-48-400	0.4	0.55	3.8m³/h	55m	1.25"	2m	550W*2
19	BSM3SC3.8-80-48-600	0.6	0.8	3.8m³/h	80m	1.25"	2m	550W*2
20	BSM3SC3.8-80-72-600	0.6	0.8	3.8m³/h	80m	1.25"	2m	550W*3
21	BSM3SC3.8-95-48-750	0.75	1	3.8m³/h	95m	1.25"	2m	550W*2
22	BSM3SC3.8-95-72-750	0.75	1	3.8m³/h	95m	1.25"	2m	550W*3
23	BSM3SC3.8-125-110-1100	1.1	1.5	3.8m³/h	125m	1.25"	2m	550W*3
24	BSM3SC3.8-155-110-1300	1.3	1.75	3.8m³/h	155m	1.25"	2m	550W*3
25	BSM3SC3.8-180-110-1500	1.5	2	3.8m³/h	180m	1.25"	2m	550W*4
26	BSM3SC3.8-180-180-1500	1.5	2	3.8m³/h	180m	1.25"	2m	550W*5
27	BSM3SC6-45-48-600	0.6	0.8	6.0m³/h	45m	1.25"/1.5"	2m	550W*2
28	BSM3SC6-45-72-600	0.6	0.8	6.0m³/h	45m	1.25"/1.5"	2m	550W*3
29	BSM3SC6-60-48-750	0.75	1	6.0m³/h	60m	1.25"/1.5"	2m	550W*2
30	BSM3SC6-60-72-750	0.75	1	6.0m³/h	60m	1.25"/1.5"	2m	550W*3
31	BSM3SC6-85-110-1100	1.1	1.5	6.0m³/h	85m	1.25"/1.5"	2m	550W*3
32	BSM3SC6-125-110-1500	1.5	2	6.0m³/h	125m	1.25"/1.5"	2m	550W*4
33	BSM3SC6-125-180-1500	1.5	2	6.0m³/h	125m	1.25"/1.5"	2m	550W*5
34	BSM3SC7-46-48-750	0.75	1	7.0m³/h	46m	1.25"/1.5"	2m	550W*2
35	BSM3SC7-46-72-750	0.75	1	7.0m³/h	46m	1.25"/1.5"	2m	550W*3
36	BSM3SC8-62-110-1100	1.1	1.5	8.0m³/h	62m	1.25"/1.5"	2m	550W*3
37	BSM3SC8-90-110-1500	1.5	2	8.0m³/h	90m	1.25"/1.5"	2m	550W*4
38	BSM3SC8-90-180-1500	1.5	2	8.0m³/h	90m	1.25"/1.5"	2m	550W*5

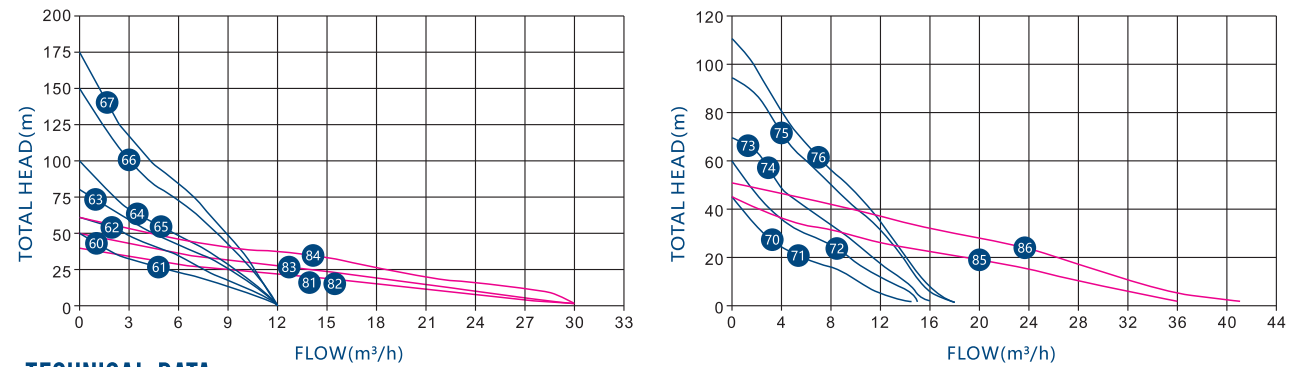




**PERFORMANCE CURVES**



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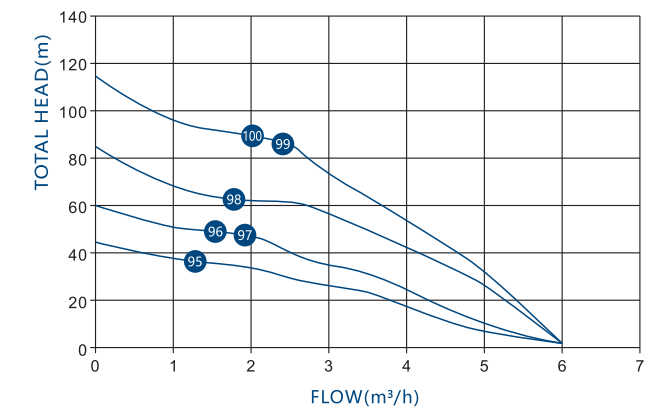
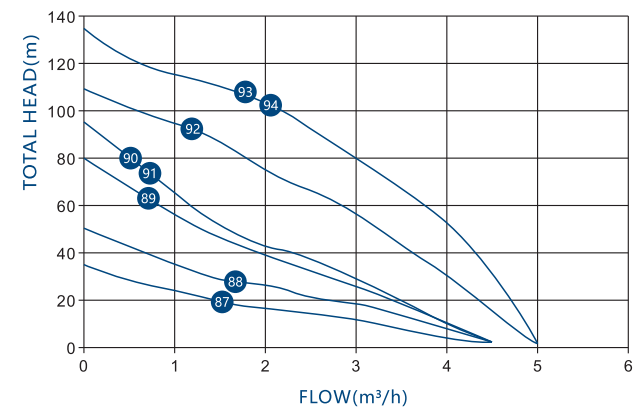
**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
39	BSM4SC3.6-55-48-500	0.5	0.7	3.6m³/h	55m	1.25"	2m	550W*2
40	BSM4SC3.6-88-72-750	0.75	1	3.6m³/h	88m	1.25"	2m	550W*3
41	BSM4SC4-130-110-1100	1.1	1.5	4.0m³/h	130m	1.25"	2m	550W*3
42	BSM4SC4-160-110-1300	1.3	1.75	4.0m³/h	160m	1.25"	2m	550W*3
43	BSM4SC4-180-110-1500	1.5	2	4.0m³/h	180m	1.25"	2m	550W*4
44	BSM4SC7-45-48-600	0.6	0.8	7.0m³/h	45m	1.25"/1.5"/2"	2m	550W*2
45	BSM4SC7-56-48-750	0.75	1	7.0m³/h	56m	1.25"/1.5"/2"	2m	550W*2
46	BSM4SC7-56-72-750	0.75	1	7.0m³/h	56m	1.25"/1.5"/2"	2m	550W*3
47	BSM4SC7-86-110-1100	1.1	1.5	7.0m³/h	86m	1.25"/1.5"/2"	2m	550W*3
48	BSM4SC7-112-110-1300	1.3	1.75	7.0m³/h	112m	1.25"/1.5"/2"	2m	550W*3
49	BSM4SC7-135-110-1500	1.5	2	7.0m³/h	135m	1.25"/1.5"/2"	2m	550W*4
50	BSM4SC7-135-180-1500	1.5	2	7.0m³/h	135m	1.25"/1.5"/2"	2m	550W*5
51	BSM4SC7-185-280-2200	2.2	3	7.0m³/h	185m	1.25"/1.5"/2"	2m	550W*7
52	BSM4SC7-230-300-3000	3	4	7.0m³/h	230m	1.25"/1.5"/2"	2m	550W*8
53	BSM4SC9-45-48-750	0.75	1	9.0m³/h	45m	1.5"/2"	2m	550W*2
54	BSM4SC9-45-72-750	0.75	1	9.0m³/h	45m	1.5"/2"	2m	550W*3
55	BSM4SC9-71-110-1300	1.3	1.75	9.0m³/h	71m	1.5"/2"	2m	550W*3
56	BSM4SC9-85-110-1500	1.5	2	9.0m³/h	85m	1.5"/2"	2m	550W*4
57	BSM4SC9-85-180-1500	1.5	2	9.0m³/h	85m	1.5"/2"	2m	550W*5
58	BSM4SC9-125-280-2200	2.2	3	9.0m³/h	125m	1.5"/2"	2m	550W*7
59	BSM4SC9-195-300-3000	3	4	9.0m³/h	195m	1.5"/2"	2m	550W*8
60	BSM4SC12-50-48-750	0.75	1	12.0m³/h	50m	2"	2m	550W*2
61	BSM4SC12-50-72-750	0.75	1	12.0m³/h	50m	2"	2m	550W*3
62	BSM4SC12-60-110-1100	1.1	1.5	12.0m³/h	60m	2"	2m	550W*3
63	BSM4SC12-80-110-1300	1.3	1.75	12.0m³/h	80m	2"	2m	550W*3
64	BSM4SC12-100-110-1500	1.5	2	12.0m³/h	100m	2"	2m	550W*4
65	BSM4SC12-100-180-1500	1.5	2	12.0m³/h	100m	2"	2m	550W*5
66	BSM4SC12-150-280-2200	2.2	3	12.0m³/h	150m	2"	2m	550W*7
67	BSM4SC12-175-300-3000	3	4	12.0m³/h	175m	2"	2m	550W*8
68	BSM4SC14-125-280-2200	2.2	3	14.0m³/h	125m	2"	2m	550W*7
69	BSM4SC14-150-300-3000	3	4	14.0m³/h	150m	2"	2m	550W*8
70	BSM4SC15-45-48-750	0.75	1	15.0m³/h	45m	2"	2m	550W*2
71	BSM4SC15-45-72-750	0.75	1	15.0m³/h	45m	2"	2m	550W*3
72	BSM4SC15-60-110-1100	1.1	1.5	15.0m³/h	60m	2"	2m	550W*3
73	BSM4SC16-70-110-1500	1.5	2	16.0m³/h	70m	2"	2m	550W*4
74	BSM4SC16-70-180-1500	1.5	2	16.0m³/h	70m	2"	2m	550W*5
75	BSM4SC18-95-280-2200	2.2	3	18.0m³/h	95m	2"	2m	550W*7
76	BSM4SC18-112-300-3000	3	4	18.0m³/h	112m	2"	2m	550W*8
77	BSM4SC20-48-110-1500	1.5	2	20.0m³/h	48m	2"	2m	550W*4
78	BSM4SC20-48-180-1500	1.5	2	20.0m³/h	48m	2"	2m	550W*5
79	BSM4SC20-60-280-2200	2.2	3	20.0m³/h	60m	2"	2m	550W*7
80	BSM4SC20-75-300-3000	3	4	20.0m³/h	75m	2"	2m	550W*8
81	BSM4SC30-40-110-1500	1.5	2	30.0m³/h	40m	2"	2m	550W*4
82	BSM4SC30-40-180-1500	1.5	2	30.0m³/h	40m	2"	2m	550W*5
83	BSM4SC30-50-280-2200	2.2	3	30.0m³/h	50m	2"	2m	550W*7
84	BSM4SC30-60-300-3000	3	4	30.0m³/h	60m	2"	2m	550W*8
85	BSM4SC36-45-280-2200	2.2	3	36.0m³/h	45m	2"	2m	550W*7
86	BSM4SC41-52-300-3000	3	4	41.0m³/h	52m	2"	2m	550W*8





**PERFORMANCE CURVES**



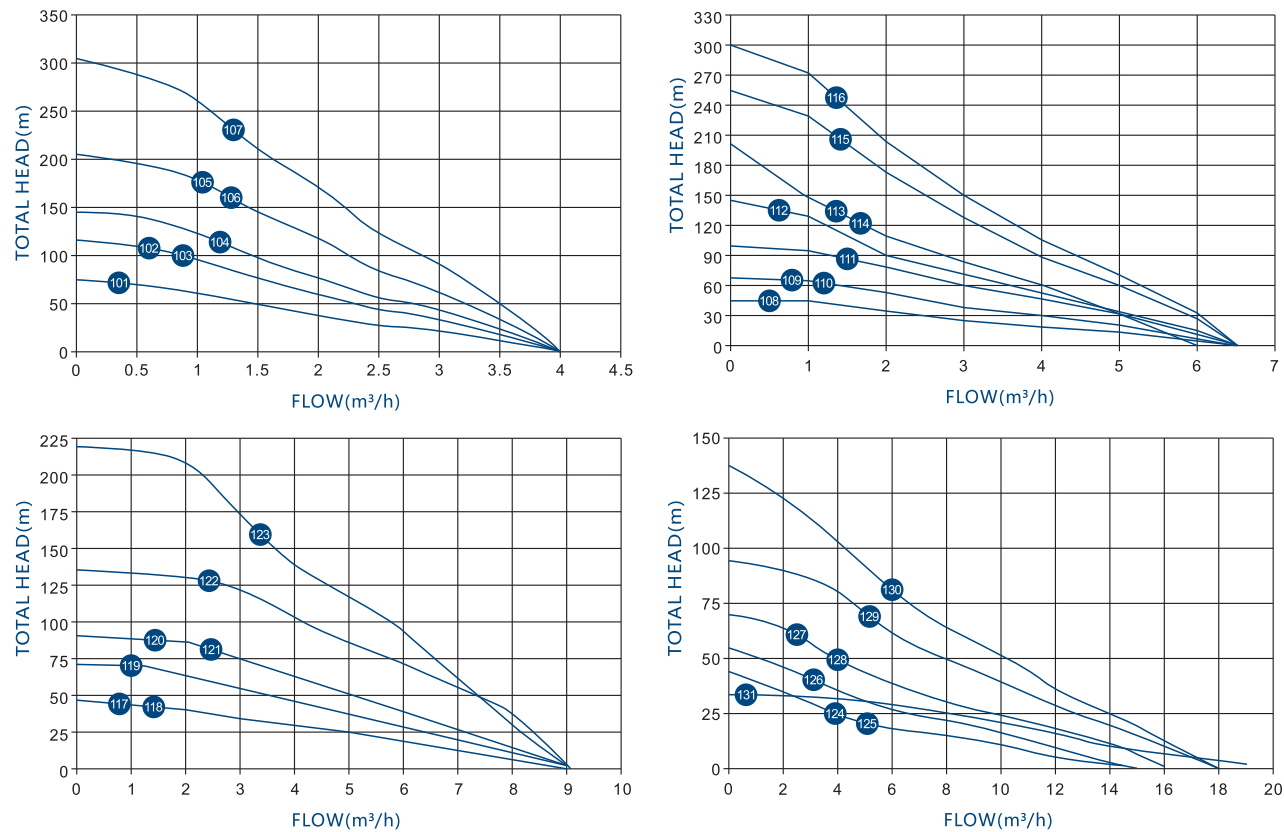
**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
87	BSM3SSC4.5-35-24-300	0.3	0.4	4.5m³/h	35m	1.25"	2m	550W*1
88	BSM3SSC4.5-50-48-400	0.4	0.55	4.5m³/h	50m	1.25"	2m	550W*2
89	BSM3SSC4.5-80-48-600	0.6	0.8	4.5m³/h	80m	1.25"	2m	550W*2
90	BSM3SSC4.5-95-48-750	0.75	1	4.5m³/h	95m	1.25"	2m	550W*2
91	BSM3SSC4.5-95-72-750	0.75	1	4.5m³/h	95m	1.25"	2m	550W*3
92	BSM3SSC5-110-110-1100	1.1	1.5	5.0m³/h	110m	1.25"	2m	550W*3
93	BSM3SSC5-135-110-1500	1.5	2	5.0m³/h	135m	1.25"	2m	550W*4
94	BSM3SSC5-135-180-1500	1.5	2	5.0m³/h	135m	1.25"	2m	550W*5
95	BSM3SSC6-44-48-600	0.6	0.8	6.0m³/h	44m	1.25"	2m	550W*2
96	BSM3SSC6-60-48-750	0.75	1	6.0m³/h	60m	1.25"	2m	550W*2
97	BSM3SSC6-60-72-750	0.75	1	6.0m³/h	60m	1.25"	2m	550W*3
98	BSM3SSC6-85-110-1100	1.1	1.5	6.0m³/h	85m	1.25"	2m	550W*3
99	BSM3SSC6-115-110-1500	1.5	2	6.0m³/h	115m	1.25"	2m	550W*4
100	BSM3SSC6-115-180-1500	1.5	2	6.0m³/h	115m	1.25"	2m	550W*5

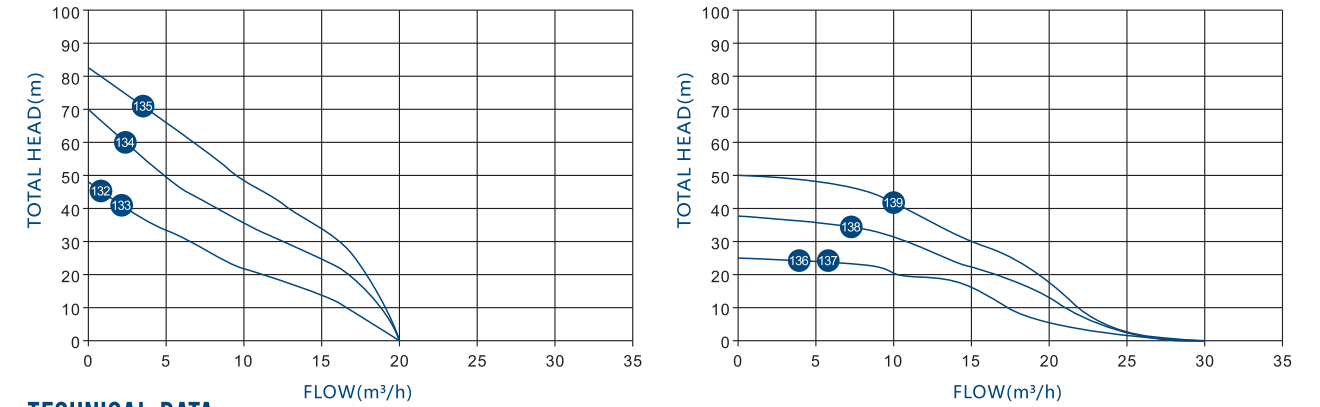




**PERFORMANCE CURVES**



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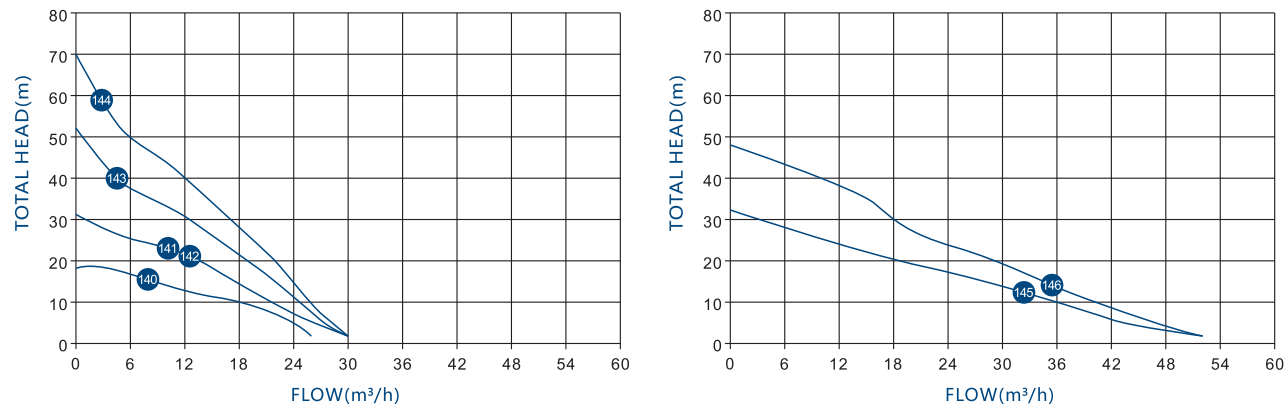


**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
101	BSM4SSC4-75-48-600	0.6	0.8	4.0m³/h	75m	1.25"	2m	550W*2
102	BSM4SSC4-115-48-750	0.75	1	4.0m³/h	115m	1.25"	2m	550W*2
103	BSM4SSC4-115-72-750	0.75	1	4.0m³/h	115m	1.25"	2m	550W*3
104	BSM4SSC4-145-110-1100	1.1	1.5	4.0m³/h	145m	1.25"	2m	550W*3
105	BSM4SSC4-205-110-1500	1.5	2	4.0m³/h	205m	1.25"	2m	550W*4
106	BSM4SSC4-205-180-1500	1.5	2	4.0m³/h	205m	1.25"	2m	550W*5
107	BSM4SSC4-303-280-2200	2.2	3	4.0m³/h	303m	1.25"	2m	550W*7
108	BSM4SSC6.5-45-48-500	0.5	0.7	6.5m³/h	45m	1.25"	2m	550W*2
109	BSM4SSC6.5-67-48-750	0.75	1	6.5m³/h	67m	1.25"	2m	550W*2
110	BSM4SSC6.5-67-72-750	0.75	1	6.5m³/h	67m	1.25"	2m	550W*3
111	BSM4SSC6.5-101-110-1100	1.1	1.5	6.5m³/h	101m	1.25"	2m	550W*3
112	BSM4SSC6.5-146-110-1300	1.3	1.75	6.5m³/h	146m	1.25"	2m	550W*3
113	BSM4SSC6-203-110-1500	1.5	2	6.0m³/h	203m	1.25"	2m	550W*4
114	BSM4SSC6-203-180-1500	1.5	2	6.0m³/h	203m	1.25"	2m	550W*5
115	BSM4SSC6.5-255-280-2200	2.2	3	6.5m³/h	255m	1.25"	2m	550W*7
116	BSM4SSC6.5-300-300-3000	3	4	6.5m³/h	300m	1.25"	2m	550W*8
117	BSM4SSC9-48-48-750	0.75	1	9.0m³/h	48m	2"	2m	550W*2
118	BSM4SSC9-48-72-750	0.75	1	9.0m³/h	48m	2"	2m	550W*3
119	BSM4SSC9-70-110-1100	1.1	1.5	9.0m³/h	70m	2"	2m	550W*3
120	BSM4SSC9-90-110-1500	1.5	2	9.0m³/h	90m	2"	2m	550W*4
121	BSM4SSC9-90-180-1500	1.5	2	9.0m³/h	90m	2"	2m	550W*5
122	BSM4SSC9-135-280-2200	2.2	3	9.0m³/h	135m	2"	2m	550W*7
123	BSM4SSC9-220-300-3000	3	4	9.0m³/h	220m	2"	2m	550W*8
124	BSM4SSC14.5-45-48-750	0.75	1	14.5m³/h	45m	2"	2m	550W*2
125	BSM4SSC14.5-45-72-750	0.75	1	14.5m³/h	45m	2"	2m	550W*3
126	BSM4SSC15-55-110-1100	1.1	1.5	15.0m³/h	55m	2"	2m	550W*3
127	BSM4SSC16-70-110-1500	1.5	2	16.0m³/h	70m	2"	2m	550W*4
128	BSM4SSC16-70-180-1500	1.5	2	16.0m³/h	70m	2"	2m	550W*5
129	BSM4SSC18-95-280-2200	2.2	3	18.0m³/h	95m	2"	2m	550W*7
130	BSM4SSC18-137-300-3000	3	4	18.0m³/h	137m	2"	2m	550W*8
131	BSM4SSC19-35-110-1100	1.1	1.5	19.0m³/h	35m	2"	2m	550W*3
132	BSM4SSC20-48-110-1500	1.5	2	20.0m³/h	48m	2"	2m	550W*4
133	BSM4SSC20-48-180-1500	1.5	2	20.0m³/h	48m	2"	2m	550W*5
134	BSM4SSC20-70-280-2200	2.2	3	20.0m³/h	70m	2"	2m	550W*7
135	BSM4SSC20-82-300-3000	3	4	20.0m³/h	82m	2"	2m	550W*8
136	BSM4SSC25-25-110-1500	1.5	2	25.0m³/h	25m	2"	2m	550W*4
137	BSM4SSC25-25-180-1500	1.5	2	25.0m³/h	25m	2"	2m	550W*5
138	BSM4SSC30-38-280-2200	2.2	3	30.0m³/h	38m	2"	2m	550W*7
139	BSM4SSC30-50-300-3000	3	4	30.0m³/h	50m	2"	2m	550W*8



**PERFORMANCE CURVES**

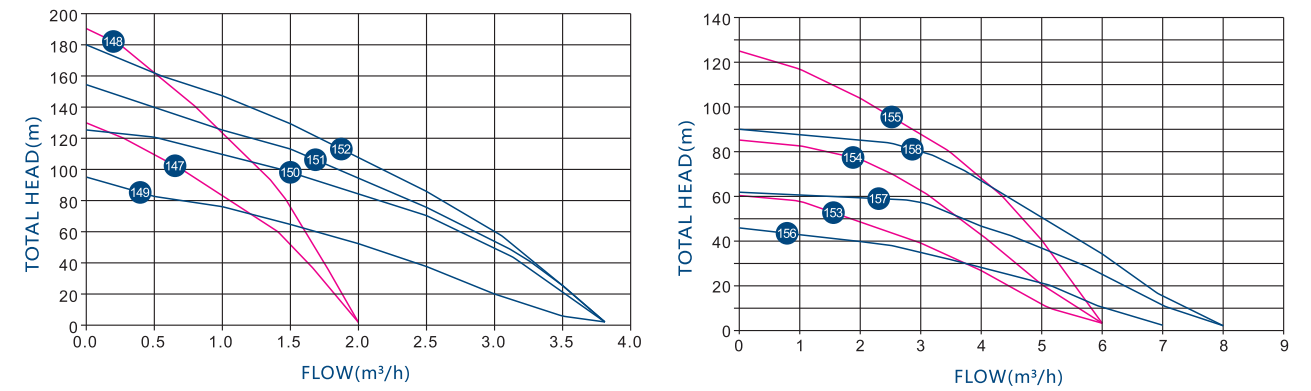


**TECHNICAL DATA**

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



**PERFORMANCE CURVES**



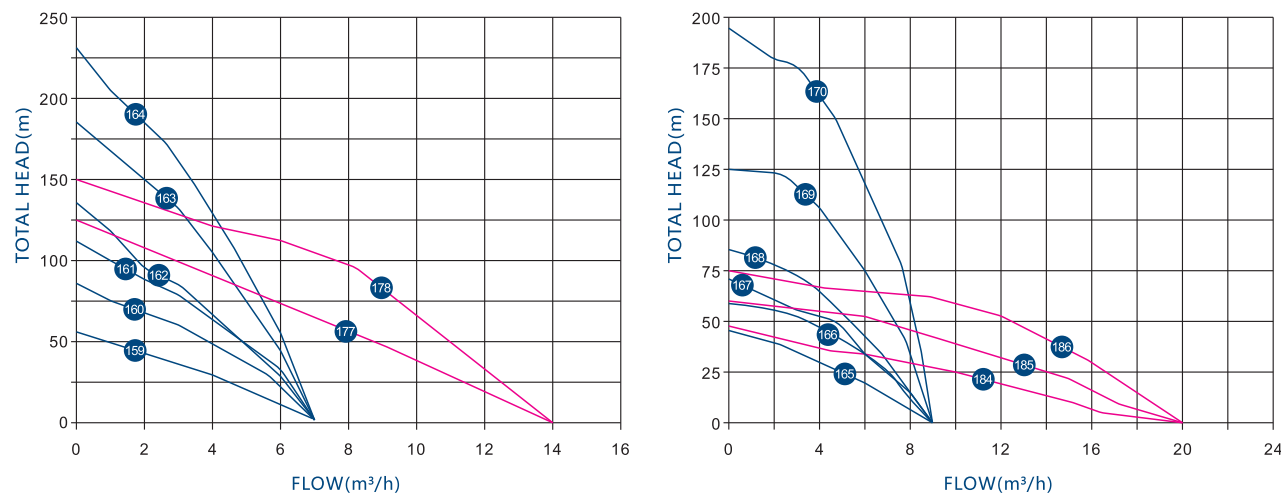
**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
147	BSM3SC2-130-96-750-A/D	0.75	1	2m³/h	130m	1.25"	2m	550W*3
148	BSM3SC2-190-150-1100-A/D	1.1	1.5	2m³/h	190m	1.25"	2m	550W*4
149	BSM3SC3.8-95-96-750-A/D	0.75	1	3.8m³/h	95m	1.25"	2m	550W*3
150	BSM3SC3.8-125-150-1100-A/D	1.1	1.5	3.8m³/h	125m	1.25"	2m	550W*4
151	BSM3SC3.8-155-170-1300-A/D	1.3	1.75	3.8m³/h	155m	1.25"	2m	550W*5
152	BSM3SC3.8-180-180-1500-A/D	1.5	2	3.8m³/h	180m	1.25"	2m	550W*5
153	BSM3SC6-60-96-750-A/D	0.75	1	6.0m³/h	60m	1.25"/1.5"	2m	550W*3
154	BSM3SC6-85-150-1100-A/D	1.1	1.5	6.0m³/h	85m	1.25"/1.5"	2m	550W*4
155	BSM3SC6-125-180-1500-A/D	1.5	2	6.0m³/h	125m	1.25"/1.5"	2m	550W*5
156	BSM3SC7-46-96-750-A/D	0.75	1	7.0m³/h	46m	1.25"/1.5"	2m	550W*3
157	BSM3SC8-62-150-1100-A/D	1.1	1.5	8.0m³/h	62m	1.25"/1.5"	2m	550W*4
158	BSM3SC8-90-180-1500-A/D	1.5	2	8.0m³/h	90m	1.25"/1.5"	2m	550W*5

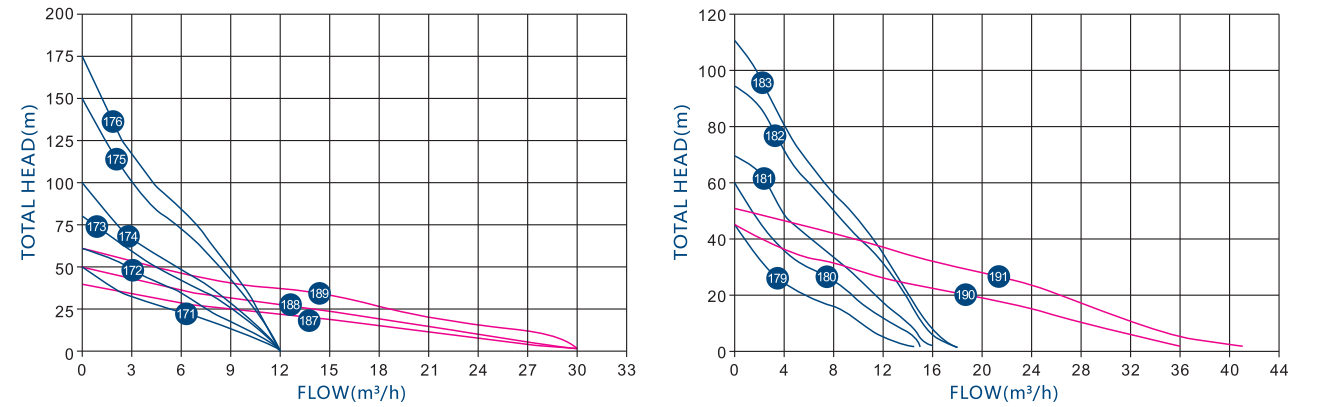




**PERFORMANCE CURVES**



**PERFORMANCE CURVES**

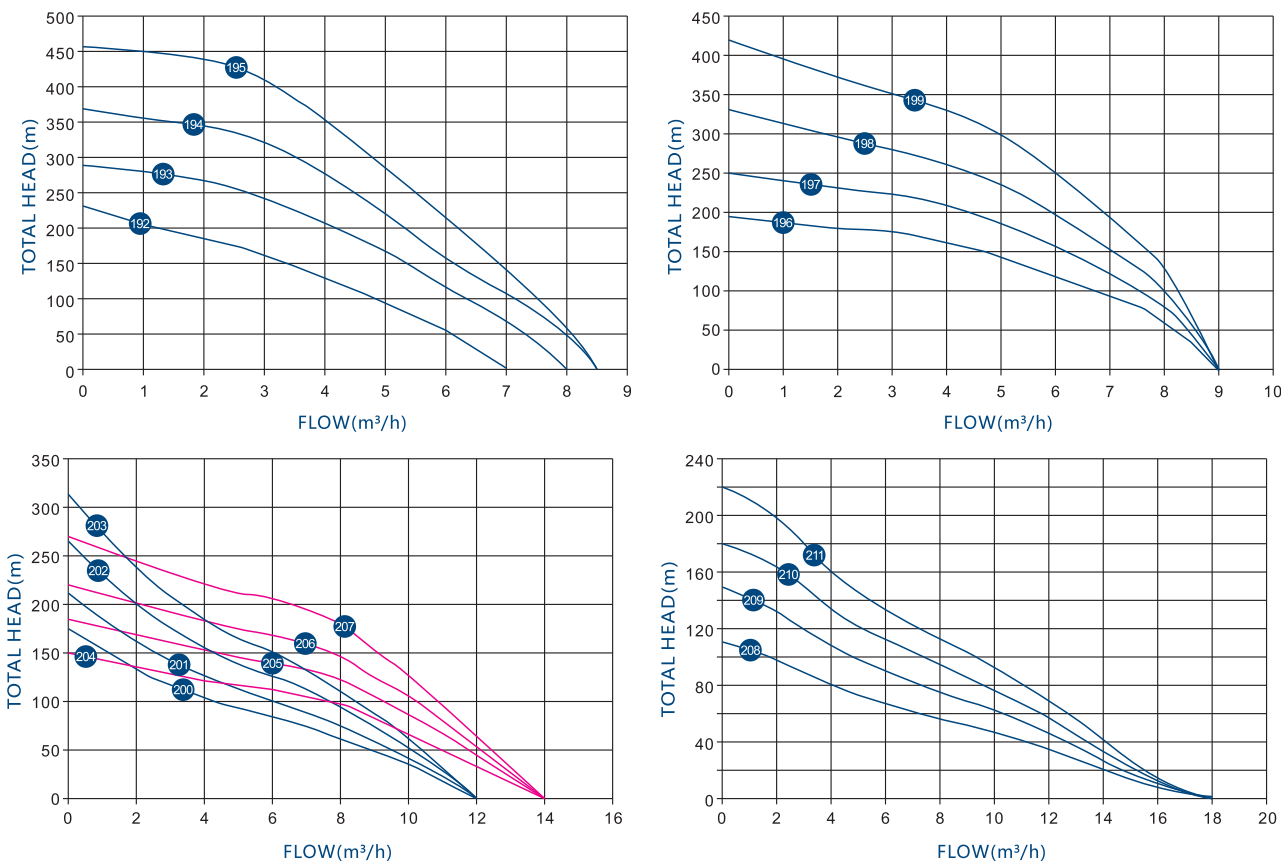


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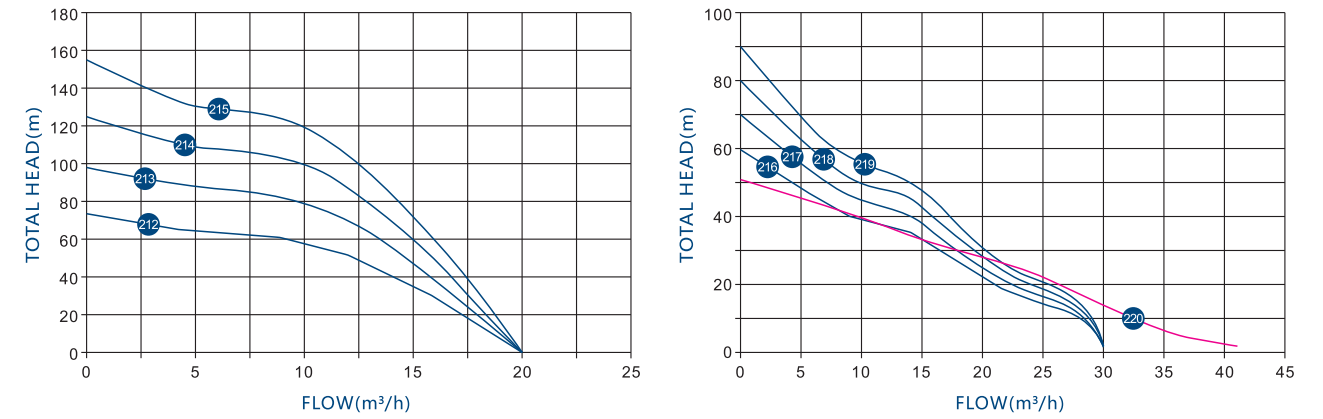
NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
159	BSM4SC7-56-96-750-A/D	0.75	1	7.0m³/h	56m	1.25"/1.5"/2"	2m	550W*3
160	BSM4SC7-86-150-1100-A/D	1.1	1.5	7.0m³/h	86m	1.25"/1.5"/2"	2m	550W*4
161	BSM4SC7-112-170-1300-A/D	1.3	1.75	7.0m³/h	112m	1.25"/1.5"/2"	2m	550W*5
162	BSM4SC7-135-180-1500-A/D	1.5	2	7.0m³/h	135m	1.25"/1.5"/2"	2m	550W*5
163	BSM4SC7-185-280-2200-A/D	2.2	3	7.0m³/h	185m	1.25"/1.5"/2"	2m	550W*7
164	BSM4SC7-230-300-3000-A/D	3	4	7.0m³/h	230m	1.25"/1.5"/2"	2m	550W*8
165	BSM4SC9-45-96-750-A/D	0.75	1	9.0m³/h	45m	1.5"/2"	2m	550W*3
166	BSM4SC9-58-150-1100-A/D	1.1	1.5	9.0m³/h	58m	1.5"/2"	2m	550W*4
167	BSM4SC9-71-170-1300-A/D	1.3	1.75	9.0m³/h	71m	1.5"/2"	2m	550W*5
168	BSM4SC9-85-180-1500-A/D	1.5	2	9.0m³/h	85m	1.5"/2"	2m	550W*5
169	BSM4SC9-125-280-2200-A/D	2.2	3	9.0m³/h	125m	1.5"/2"	2m	550W*7
170	BSM4SC9-195-300-3000-A/D	3	4	9.0m³/h	195m	1.5"/2"	2m	550W*8
171	BSM4SC12-50-96-750-A/D	0.75	1	12.0m³/h	50m	2"	2m	550W*3
172	BSM4SC12-60-150-1100-A/D	1.1	1.5	12.0m³/h	60m	2"	2m	550W*4
173	BSM4SC12-80-170-1300-A/D	1.3	1.75	12.0m³/h	80m	2"	2m	550W*5
174	BSM SC12-100-180-1500-A/D	1.5	2	12.0m³/h	100m	2"	2m	550W*5
175	BSM4SC12-150-280-2200-A/D	2.2	3	12.0m³/h	150m	2"	2m	550W*7
176	BSM4SC12-175-300-3000-A/D	3	4	12.0m³/h	175m	2"	2m	550W*8
177	BSM4SC14-125-280-2200-A/D	2.2	3	14.0m³/h	125m	2"	2m	550W*7
178	BSM4SC14-150-300-3000-A/D	3	4	14.0m³/h	150m	2"	2m	550W*8
179	BSM4SC15-45-96-750-A/D	0.75	1	15.0m³/h	45m	2"	2m	550W*3
180	BSM4SC15-60-150-1100-A/D	1.1	1.5	15.0m³/h	60m	2"	2m	550W*4
181	BSM4SC16-70-180-1500-A/D	1.5	2	16.0m³/h	70m	2"	2m	550W*5
182	BSM4SC18-95-280-2200-A/D	2.2	3	18.0m³/h	95m	2"	2m	550W*7
183	BSM4SC18-112-300-3000-A/D	3	4	18.0m³/h	112m	2"	2m	550W*8
184	BSM4SC20-48-180-1500-A/D	1.5	2	20.0m³/h	48m	2"	2m	550W*5
185	BSM4SC20-60-280-2200-A/D	2.2	3	20.0m³/h	60m	2"	2m	550W*7
186	BSM4SC20-75-300-3000-A/D	3	4	20.0m³/h	75m	2"	2m	550W*8
187	BSM4SC30-40-180-1500-A/D	1.5	2	30.0m³/h	40m	2"	2m	550W*5
188	BSM4SC30-50-280-2200-A/D	2.2	3	30.0m³/h	50m	2"	2m	550W*7
189	BSM4SC30-60-300-3000-A/D	3	4	30.0m³/h	60m	2"	2m	550W*8
190	BSM4SC36-45-280-2200-A/D	2.2	3	36.0m³/h	45m	3"	2m	550W*7
191	BSM4SC41-52-300-3000-A/D	3	4	41.0m³/h	52m	3"	2m	550W*8



**PERFORMANCE CURVES**



**PERFORMANCE CURVES**

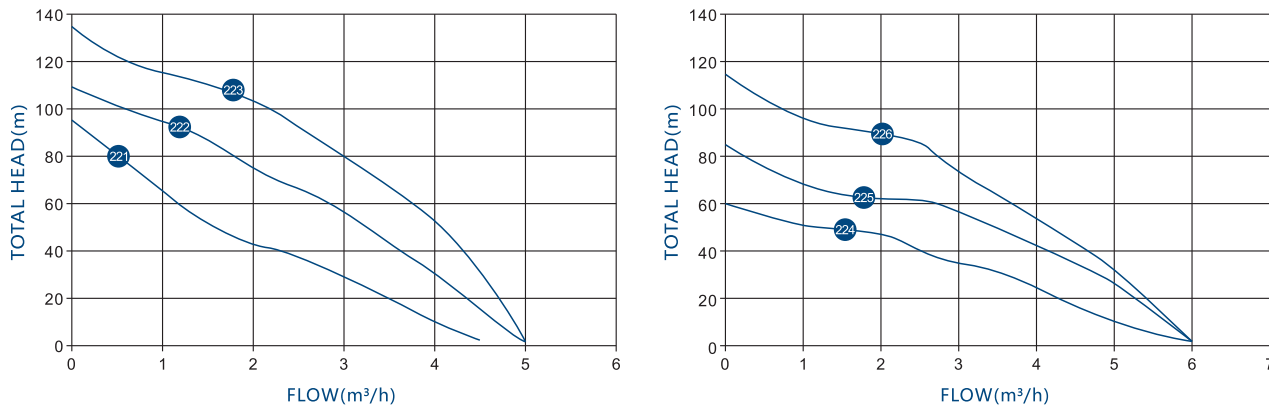


**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable	Solar Panels
		Kw	HP					
192	BSM4SC7-230-530-3000-A/D	3	4	7.0m³/h	230m	1.25"/1.5"/2"	2m	550W*12
193	BSM4SC8-290-530-4000-A/D	4	5.5	8.0m³/h	290m	1.25"/1.5"/2"	2m	550W*12
194	BSM4SC8.5-370-530-5500-A/D	5.5	7.5	8.5m³/h	370m	1.25"/1.5"/2"	2m	550W*13
195	BSM4SC8.5-456-530-7500-A/D	7.5	10	8.5m³/h	456m	1.25"/1.5"/2"	2m	550W*13*2
196	BSM4SC9-195-530-3000-A/D	3	4	9.0m³/h	195m	1.5"/2"	2m	550W*12
197	BSM4SC9-250-530-4000-A/D	4	5.5	9.0m³/h	250m	1.5"/2"	2m	550W*12
198	BSM4SC9-330-530-5500-A/D	5.5	7.5	9.0m³/h	330m	1.5"/2"	2m	550W*13
199	BSM4SC9-420-530-7500-A/D	7.5	10	9.0m³/h	420m	1.5"/2"	2m	550W*13*2
200	BSM4SC12-175-530-3000-A/D	3	4	12.0m³/h	175m	2"	2m	550W*12
201	BSM4SC12-213-530-4000-A/D	4	5.5	12.0m³/h	213m	2"	2m	550W*12
202	BSM4SC12-265-530-5500-A/D	5.5	7.5	12.0m³/h	265m	2"	2m	550W*13
203	BSM4SC12-315-530-7500-A/D	7.5	10	12.0m³/h	315m	2"	2m	550W*13*2
204	BSM4SC14-150-530-3000-A/D	3	4	14.0m³/h	150m	2"	2m	550W*12
205	BSM4SC14-185-530-4000-A/D	4	5.5	14.0m³/h	185m	2"	2m	550W*12
206	BSM4SC14-220-530-5500-A/D	5.5	7.5	14.0m³/h	220m	2"	2m	550W*13
207	BSM4SC14-270-530-7500-A/D	7.5	10	14.0m³/h	270m	2"	2m	550W*13*2
208	BSM4SC18-112-530-3000-A/D	3	4	18.0m³/h	112m	2"	2m	550W*12
209	BSM4SC18-150-530-4000-A/D	4	5.5	18.0m³/h	150m	2"	2m	550W*12
210	BSM4SC18-180-530-5500-A/D	5.5	7.5	18.0m³/h	180m	2"	2m	550W*13
211	BSM4SC18-220-530-7500-A/D	7.5	10	18.0m³/h	220m	2"	2m	550W*13*2
212	BSM4SC20-75-530-3000-A/D	3	4	20.0m³/h	75m	2"	2m	550W*12
213	BSM4SC20-98-530-4000-A/D	4	5.5	20.0m³/h	98m	2"	2m	550W*12
214	BSM4SC20-125-530-5500-A/D	5.5	7.5	20.0m³/h	125m	2"	2m	550W*13
215	BSM4SC20-155-530-7500-A/D	7.5	10	20.0m³/h	155m	2"	2m	550W*13*2
216	BSM4SC30-60-530-3000-A/D	3	4	30.0m³/h	60m	2"	2m	550W*12
217	BSM4SC30-70-530-4000-A/D	4	5.5	30.0m³/h	70m	2"	2m	550W*12
218	BSM4SC30-80-530-5500-A/D	5.5	7.5	30.0m³/h	80m	2"	2m	550W*13
219	BSM4SC30-90-530-7500-A/D	7.5	10	30.0m³/h	90m	2"	2m	550W*13*2
220	BSM4SC41-52-530-3000-A/D	3	4	41.0m³/h	52m	3"	2m	550W*12



**PERFORMANCE CURVES**

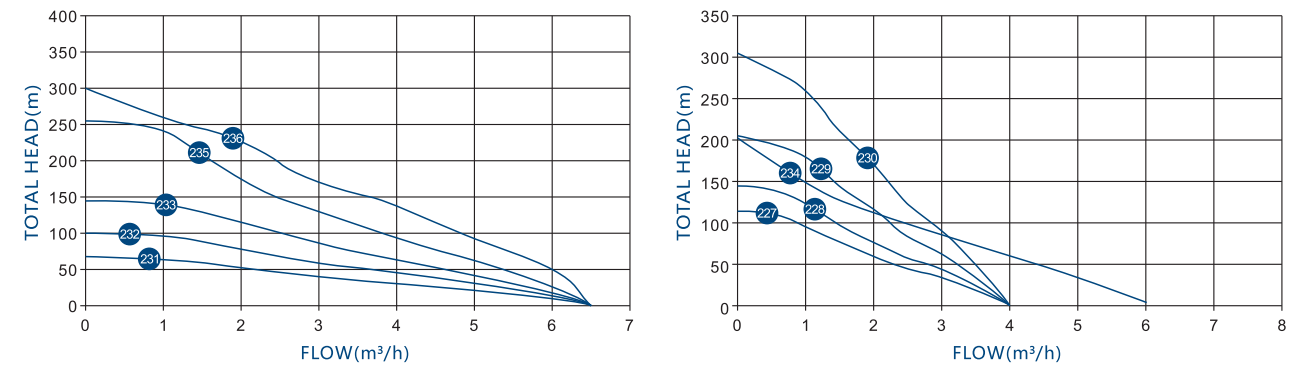


**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
221	BSM3SSC4.5-95-96-750-A/D	0.75	1	4.5m³/h	95m	1.25"	2m	550W*3
222	BSM3SSC5-110-150-1100-A/D	1.1	1.5	5.0m³/h	110m	1.25"	2m	550W*4
223	BSM3SSC5-135-180-1500-A/D	1.5	2	5.0m³/h	135m	1.25"	2m	550W*5
224	BSM3SSC6-60-96-750-A/D	0.75	1	6.0m³/h	60m	1.25"	2m	550W*3
225	BSM3SSC6-85-150-1100-A/D	1.1	1.5	6.0m³/h	85m	1.25"	2m	550W*4
226	BSM3SSC6-115-180-1500-A/D	1.5	2	6.0m³/h	115m	1.25"	2m	550W*5



**PERFORMANCE CURVES**

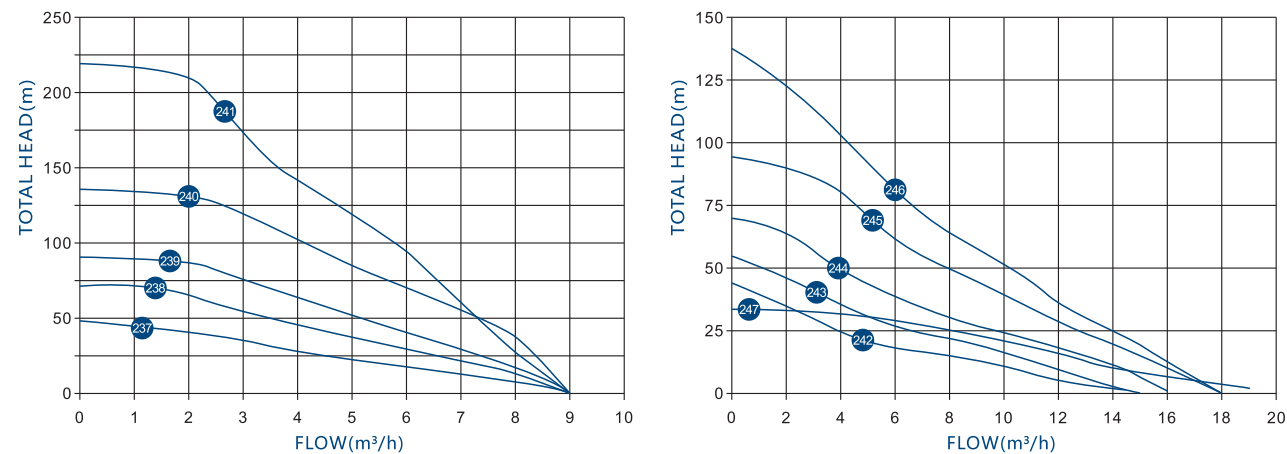


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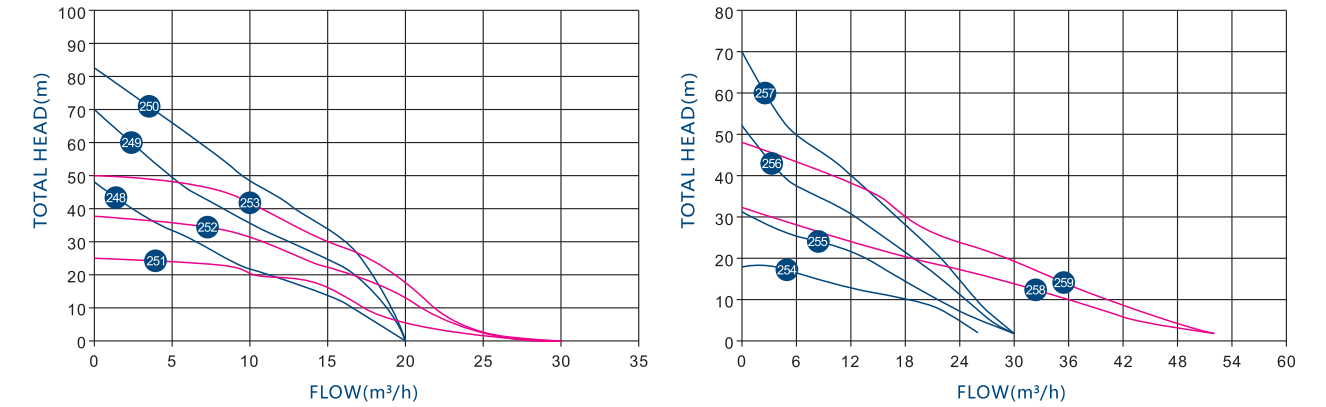
NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
227	BSM4SSC4-115-96-750-A/D	0.75	1	4.0m³/h	115m	1.25"	2m	550W*3
228	BSM4SSC4-145-150-1100-A/D	1.1	1.5	4.0m³/h	145m	1.25"	2m	550W*4
229	BSM4SSC4-205-180-1500-A/D	1.5	2	4.0m³/h	205m	1.25"	2m	550W*5
230	BSM4SSC4-303-280-2200-A/D	2.2	3	4.0m³/h	303m	1.25"	2m	550W*7
231	BSM4SSC6.5-67-96-750-A/D	0.75	1	6.5m³/h	67m	1.25"	2m	550W*3
232	BSM4SSC6.5-101-150-1100-A/D	1.1	1.5	6.5m³/h	101m	1.25"	2m	550W*4
233	BSM4SSC6.5-146-170-1300-A/D	1.3	1.75	6.5m³/h	146m	1.25"	2m	550W*5
234	BSM4SSC6-203-180-1500-A/D	1.5	2	6.0m³/h	203m	1.25"	2m	550W*5
235	BSM4SSC6.5-255-280-2200-A/D	2.2	3	6.5m³/h	255m	1.25"	2m	550W*7
236	BSM4SSC6.5-300-300-3000-A/D	3	4	6.5m³/h	300m	1.25"	2m	550W*8



**PERFORMANCE CURVES**



**PERFORMANCE CURVES**



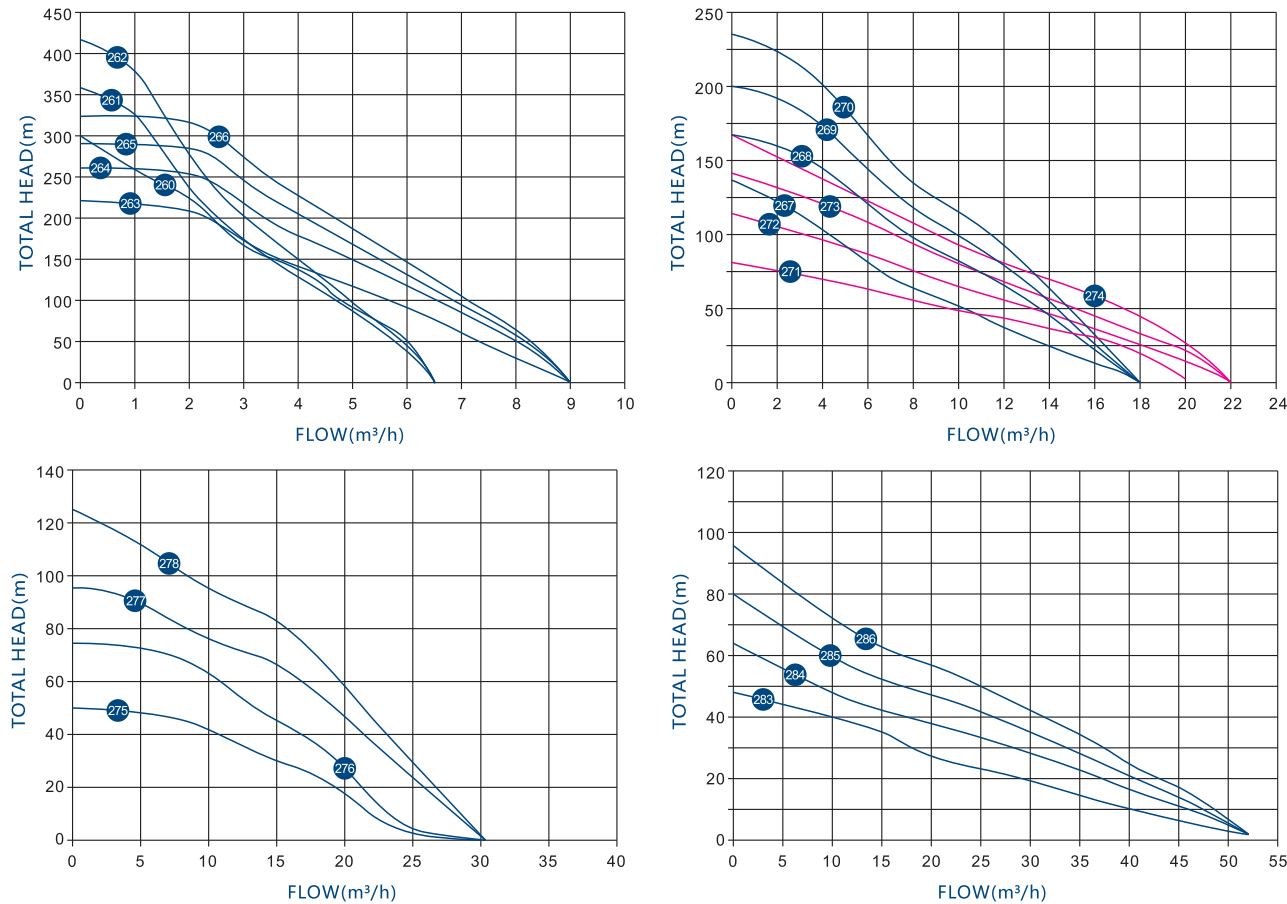
**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable	Solar Panels
		Kw	Hp					
237	BSM 4SSC9-48-96-750-A/D	0.75	1	9.0m³/h	48m	2"	2m	550W*3
238	BSM 4SSC9-70-150-1100-A/D	1.1	1.5	9.0m³/h	70m	2"	2m	550W*4
239	BSM 4SSC9-90-180-1500-A/D	1.5	2	9.0m³/h	90m	2"	2m	550W*5
240	BSM 4SSC9-135-280-2200-A/D	2.2	3	9.0m³/h	135m	2"	2m	550W*7
241	BSM 4SSC9-220-300-3000-A/D	3	4	9.0m³/h	220m	2"	2m	550W*8
242	BSM 4SSC14.5-45-96-750-A/D	0.75	1	14.5m³/h	45m	2"	2m	550W*3
243	BSM 4SSC15-55-150-1100-A/D	1.1	1.5	15.0m³/h	55m	2"	2m	550W*4
244	BSM 4SSC16-70-180-1500-A/D	1.5	2	16.0m³/h	70m	2"	2m	550W*5
245	BSM 4SSC18-95-280-2200-A/D	2.2	3	18.0m³/h	95m	2"	2m	550W*7
246	BSM 4SSC18-137-300-3000-A/D	3	4	18.0m³/h	137m	2"	2m	550W*8
247	BSM 4SSC19-35-150-1100-A/D	1.1	1.5	19.0m³/h	35m	2"	2m	550W*4
248	BSM 4SSC20-48-180-1500-A/D	1.5	2	20.0m³/h	48m	2"	2m	550W*5
249	BSM 4SSC20-70-280-2200-A/D	2.2	3	20.0m³/h	70m	2"	2m	550W*7
250	BSM 4SSC20-82-300-3000-A/D	3	4	20.0m³/h	82m	2"	2m	550W*8
251	BSM 4SSC25-25-180-1500-A/D	1.5	2	25.0m³/h	25m	2"	2m	550W*5
252	BSM 4SSC30-38-280-2200-A/D	2.2	3	30.0m³/h	38m	2"	2m	550W*7
253	BSM 4SSC30-50-300-3000-A/D	3	4	30.0m³/h	50m	2"	2m	550W*8
254	BSM 4/6SSC26-18-150-1100-A/D	1.1	1.5	26.0m³/h	18m	3"	2m	550W*4
255	BSM 4/6SSC30-31-180-1500-A/D	1.5	2	30.0m³/h	31m	3"	2m	550W*5
256	BSM 4/6SSC30-52-280-2200-A/D	2.2	3	30.0m³/h	52m	3"	2m	550W*7
257	BSM 4/6SSC30-70-300-3000-A/D	3	4	30.0m³/h	70m	3"	2m	550W*8
258	BSM 4/6SSC52-32-280-2200-A/D	2.2	3	52.0m³/h	32m	3"	2m	550W*7
259	BSM 4/6SSC52-48-300-3000-A/D	3	4	52.0m³/h	48m	3"	2m	550W*8

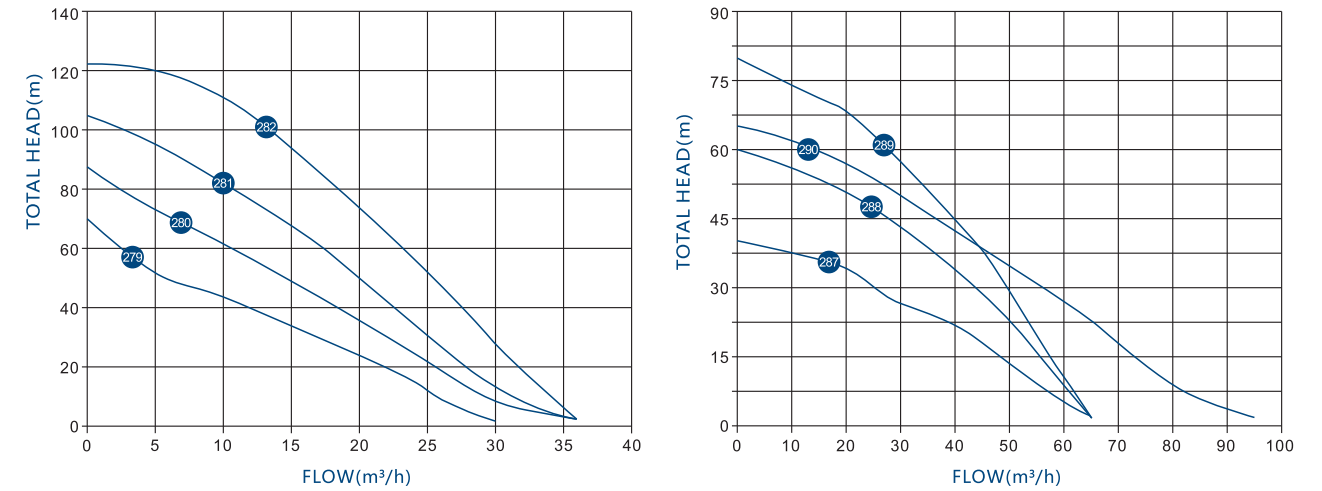




**PERFORMANCE CURVES**



**PERFORMANCE CURVES**

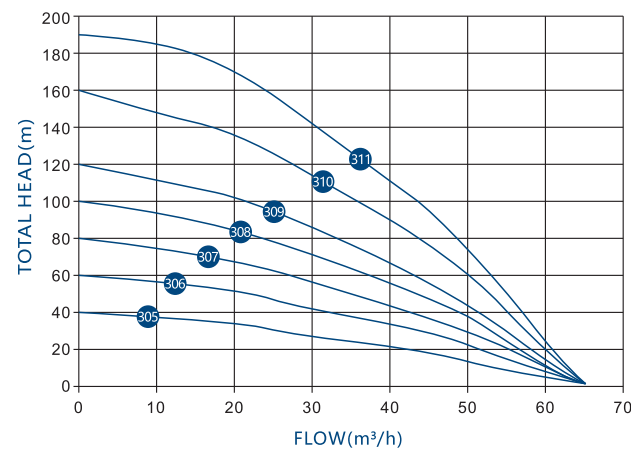
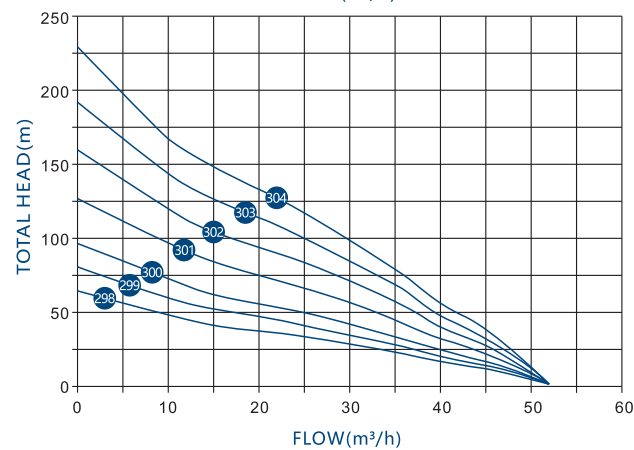
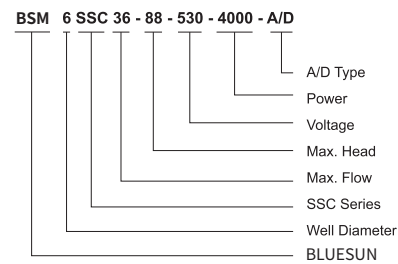
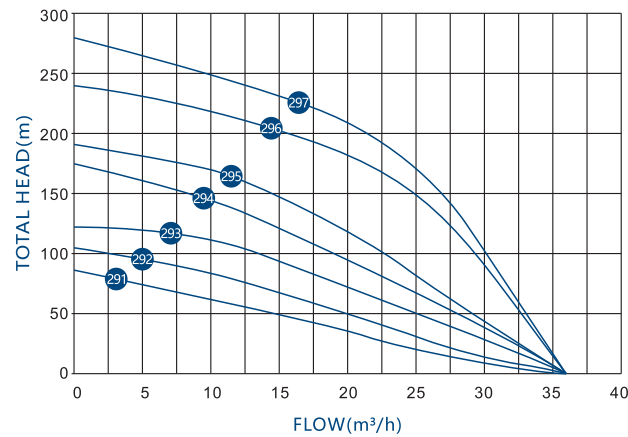


**TECHNICAL DATA**

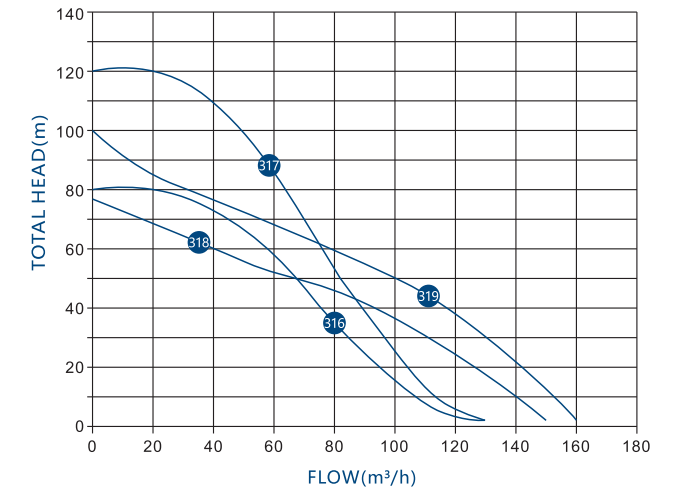
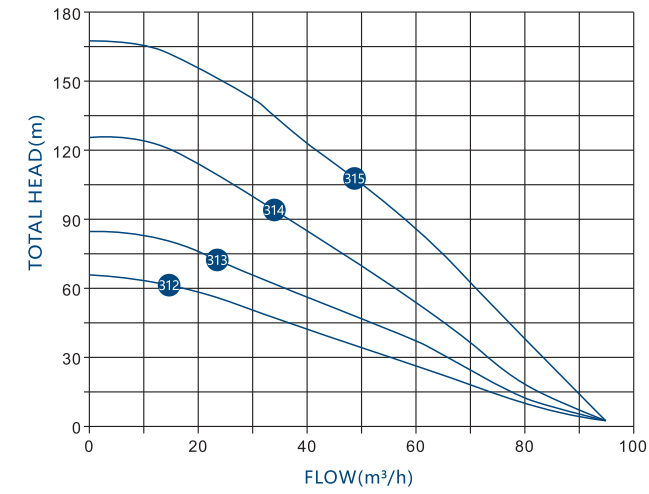
NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable	Solar Panels
		Kw	HP					
260	BSM 4SSC6.5-300-530-3000-A/D	3	4	6.5m³/h	300m	1.25"	2m	550W*12
261	BSM 4SSC6.5-360-530-4000-A/D	4	5.5	6.5m³/h	360m	1.25"	2m	550W*12
262	BSM 4SSC6.5-420-530-5500-A/D	5.5	7.5	6.5m³/h	420m	1.25"	2m	550W*13
263	BSM 4SSC9-220-530-3000-A/D	3	4	9.0m³/h	220m	2"	2m	550W*12
264	BSM 4SSC9-260-530-4000-A/D	4	5.5	9.0m³/h	260m	2"	2m	550W*12
265	BSM 4SSC9-295-530-5500-A/D	5.5	7.5	9.0m³/h	295m	2"	2m	550W*13
266	BSM 4SSC9-325-530-7500-A/D	7.5	10	9.0m³/h	325m	2"	2m	550W*13*2
267	BSM 4SSC18-137-530-3000-A/D	3	4	18.0m³/h	137m	2"	2m	550W*12
268	BSM 4SSC18-168-530-4000-A/D	4	5.5	18.0m³/h	168m	2"	2m	550W*12
269	BSM 4SSC18-200-530-5500-A/D	5.5	7.5	18.0m³/h	200m	2"	2m	550W*13
270	BSM 4SSC18-235-530-7500-A/D	7.5	10	18.0m³/h	235m	2"	2m	550W*13*2
271	BSM 4SSC20-82-530-3000-A/D	3	4	20.0m³/h	82m	2"	2m	550W*12
272	BSM 4SSC22-115-530-4000-A/D	4	5.5	22.0m³/h	115m	2"	2m	550W*12
273	BSM 4SSC22-143-530-5500-A/D	5.5	7.5	22.0m³/h	143m	2"	2m	550W*13
274	BSM 4SSC22-169-530-7500-A/D	7.5	10	22.0m³/h	169m	2"	2m	550W*13*2
275	BSM 4SSC30-50-530-3000-A/D	3	4	30.0m³/h	50m	2"	2m	550W*12
276	BSM 4SSC30-75-530-4000-A/D	4	5.5	30.0m³/h	75m	2"	2m	550W*12
277	BSM 4SSC30-96-530-5500-A/D	5.5	7.5	30.0m³/h	96m	2"	2m	550W*13
278	BSM 4SSC30-125-530-7500-A/D	7.5	10	30.0m³/h	125m	2"	2m	550W*13*2
279	BSM 4/6SSC30-70-530-3000-A/D	3	4	30.0m³/h	70m	3"	2m	550W*12
280	BSM 4/6SSC36-88-530-4000-A/D	4	5.5	36.0m³/h	88m	3"	2m	550W*12
281	BSM 4/6SSC36-105-530-5500-A/D	5.5	7.5	36.0m³/h	105m	3"	2m	550W*13
282	BSM 4/6SSC36-122-530-7500-A/D	7.5	10	36.0m³/h	122m	3"	2m	550W*13*2
283	BSM 4/6SSC52-48-530-3000-A/D	3	4	52.0m³/h	48m	3"	2m	550W*12
284	BSM 4/6SSC52-64-530-4000-A/D	4	5.5	52.0m³/h	64m	3"	2m	550W*12
285	BSM 4/6SSC52-80-530-5500-A/D	5.5	7.5	52.0m³/h	80m	3"	2m	550W*13
286	BSM 4/6SSC52-96-530-7500-A/D	7.5	10	52.0m³/h	96m	3"	2m	550W*13*2
287	BSM 4/6SSC65-40-530-4000-A/D	4	5.5	65.0m³/h	40m	3"	2m	550W*12
288	BSM 4/6SSC65-60-530-5500-A/D	5.5	7.5	65.0m³/h	60m	3"	2m	550W*13
289	BSM 4/6SSC65-80-530-7500-A/D	7.5	10	65.0m³/h	80m	3"	2m	550W*13*2
290	BSM 4/6SSC95-65-530-7500-A/D	7.5	10	95.0m³/h	65m	3"	2m	550W*13*2



**PERFORMANCE CURVES**



**PERFORMANCE CURVES**

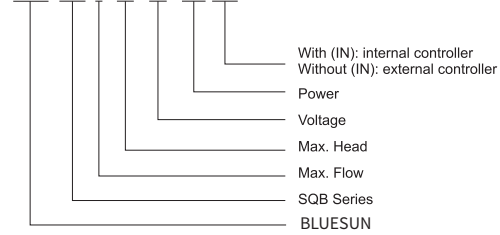


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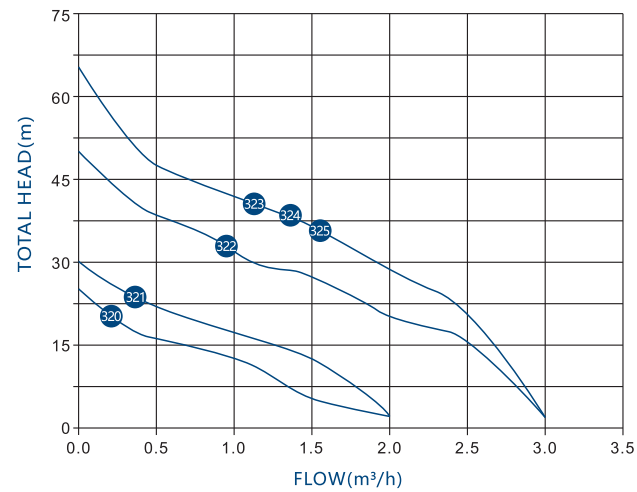
NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable	Solar Panels
		Kw	HP					
291	BSM6SSC36-88-530-4000-A/D	4	5.5	36m³/h	88m	3"	2m	550W*12
292	BSM6SSC36-105-530-5500-A/D	5.5	7.5	36m³/h	105m	3"	2m	550W*13
293	BSM6SSC36-122-530-7500-A/D	7.5	10	36m³/h	122m	3"	2m	550W*13*2
294	BSM6SSC36-175-530-9200-A/D	9.2	12.5	36m³/h	175m	3"	2m	550W*13*2
295	BSM6SSC36-190-530-11000-A/D	11	15	36m³/h	190m	3"	2m	550W*15*2
296	BSM6SSC36-240-530-15000-A/D	15	20	36m³/h	240m	3"	2m	550W*13*3
297	BSM6SSC36-280-530-22000-A/D	22	30	36m³/h	280m	3"	2m	550W*13*4
298	BSM6SSC52-64-530-4000-A/D	4	5.5	52m³/h	64m	3"	2m	550W*12
299	BSM6SSC52-80-530-5500-A/D	5.5	7.5	52m³/h	80m	3"	2m	550W*13
300	BSM6SSC52-96-530-7500-A/D	7.5	10	52m³/h	96m	3"	2m	550W*13*2
301	BSM6SSC52-128-530-9200-A/D	9.2	12.5	52m³/h	128m	3"	2m	550W*13*2
302	BSM6SSC52-160-530-11000-A/D	11	15	52m³/h	160m	3"	2m	550W*15*2
303	BSM6SSC52-192-530-15000-A/D	15	20	52m³/h	192m	3"	2m	550W*13*3
304	BSM6SSC52-230-530-22000-A/D	22	30	52m³/h	230m	3"	2m	550W*13*4
305	BSM6SSC65-40-530-4000-A/D	4	5.5	65m³/h	40m	3"	2m	550W*12
306	BSM6SSC65-60-530-5500-A/D	5.5	7.5	65m³/h	60m	3"	2m	550W*13
307	BSM6SSC65-80-530-7500-A/D	7.5	10	65m³/h	80m	3"	2m	550W*13*2
308	BSM6SSC65-100-530-9200-A/D	9.2	12.5	65m³/h	100m	3"	2m	550W*13*2
309	BSM6SSC65-120-530-11000-A/D	11	15	65m³/h	120m	3"	2m	550W*15*2
310	BSM6SSC65-160-530-15000-A/D	15	20	65m³/h	160m	3"	2m	550W*13*3
311	BSM6SSC65-190-530-22000-A/D	22	30	65m³/h	190m	3"	2m	550W*13*4
312	BSM6SSC95-65-530-7500-A/D	7.5	10	95m³/h	65m	4"	2m	550W*13*2
313	BSM6SSC95-85-530-11000-A/D	11	15	95m³/h	85m	4"	2m	550W*15*2
314	BSM6SSC95-125-530-15000-A/D	15	20	95m³/h	125m	4"	2m	550W*13*3
315	BSM6SSC95-166-530-22000-A/D	22	30	95m³/h	166m	4"	2m	550W*13*4
316	BSM8SSC130-80-530-15000-A/D	15	20	130m³/h	80m	4"	2m	550W*13*3
317	BSM8SSC130-120-530-22000-A/D	22	30	130m³/h	120m	4"	2m	550W*13*4
318	BSM8SSC150-77-530-15000-A/D	15	20	150m³/h	77m	5"	2m	550W*13*3
319	BSM8SSC160-100-530-22000-A/D	22	30	160m³/h	100m	5"	2m	550W*13*4



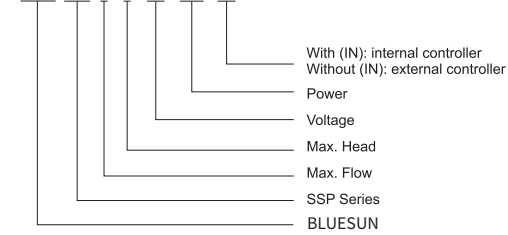
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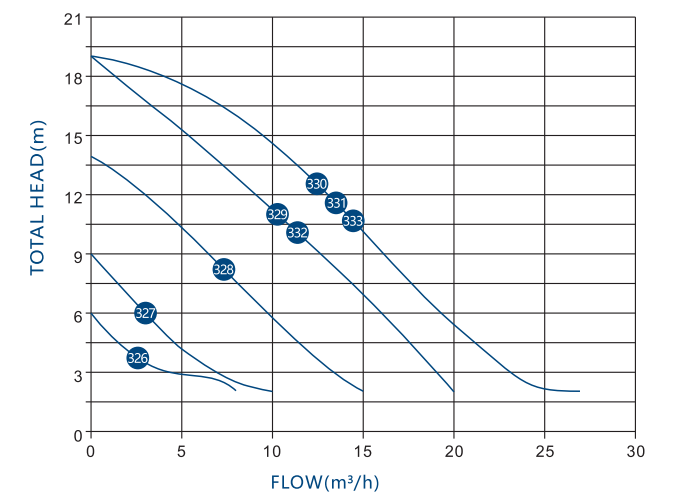
**PERFORMANCE CURVES**



BSM SSP 8 - 6 - 12 - 100 - IN



**PERFORMANCE CURVES**



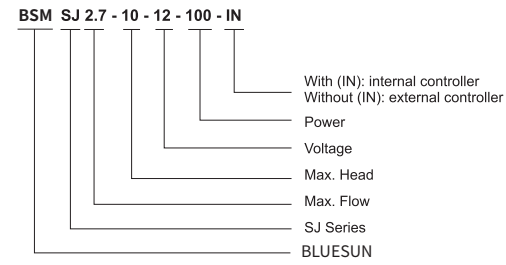
**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable	Solar Panels
		Kw	Hp					
320	BSM SQB2-25-24-210(IN)	0.21	0.28	2.0m³/h	25m	1"	2m	550W*1
321	BSM SQB2-30-24-280(IN)	0.28	0.38	2.0m³/h	30m	1"	2m	550W*1
322	BSM SQB3-50-48-550(IN)	0.55	0.75	3.0m³/h	50m	1"	2m	550W*2
323	BSM SQB3-65-48-750(IN)	0.75	1	3.0m³/h	65m	1"	2m	550W*2
324	BSM SQB3-65-72-750(IN)	0.75	1	3.0m³/h	65m	1"	2m	550W*3
325	BSM SQB3-65-96-750-A/D	0.75	1	3.0m³/h	65m	1"	2m	550W*3

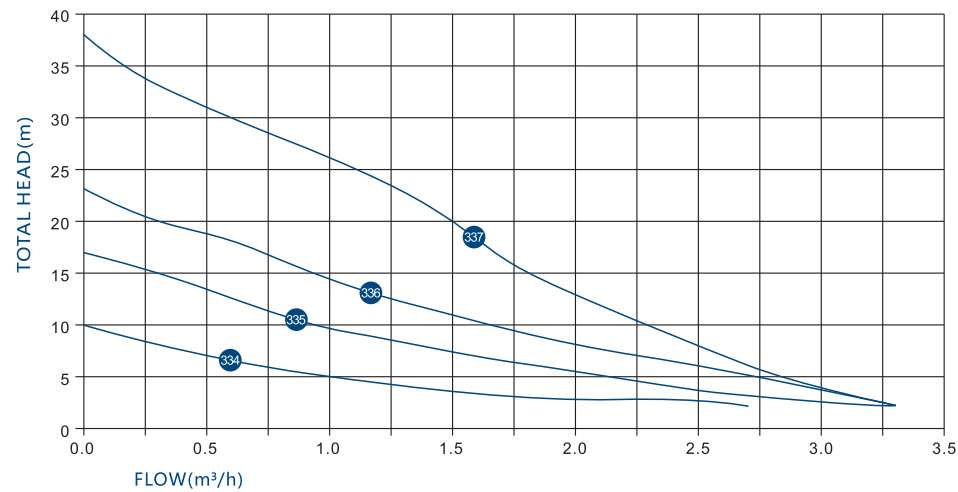
**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (mm)	Cable	Solar Panels
		Kw	Hp					
326	BSM SSP8-6-12-100-IN	0.1	0.13	8m³/h	6m	38*38 (Hose)	2m	550W*1
327	BSM SSP10-9-12-180-IN	0.18	0.24	10m³/h	9m	38*38 (Hose)	2m	550W*1
328	BSM SSP15-14-48-500(IN)	0.5	0.7	15m³/h	14m	48*48/50*50	2m	550W*2
329	BSM SSP20-19-72-900(IN)	0.9	1.2	20m³/h	19m	48*48/50*50	2m	550W*3
330	BSM SSP27-19-110-1200(IN)	1.2	1.6	27m³/h	19m	60*60/63*63	2m	550W*3
331	BSM SSP27-19-150-1200	1.2	1.6	27m³/h	19m	60*60/63*63	2m	550W*4
332	BSM SSP20-19-96-900-A/D	0.9	1.2	20m³/h	19m	48*48/50*50	2m	550W*3
333	BSM SSP27-19-150-1200-A/D	1.2	1.6	27m³/h	19m	60*60/63*63	2m	550W*4



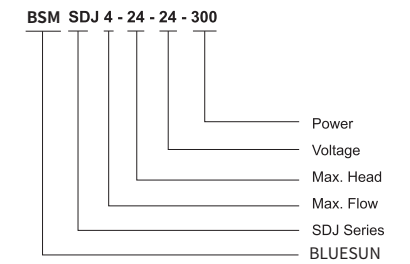


**PERFORMANCE CURVES**

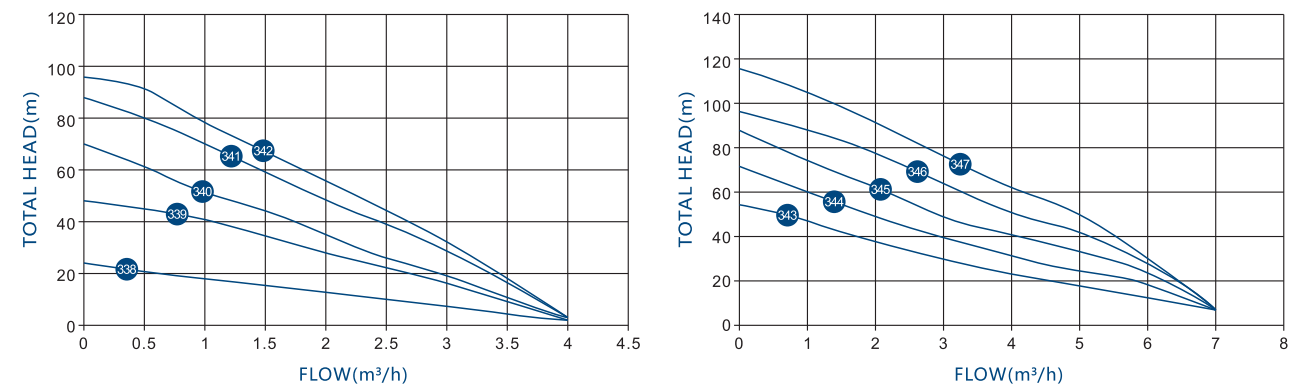


**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable	Solar Panels
		Kw	Hp					
334	BSMSJ2.7-10-12-100-IN	0.1	0.13	2.7m³/h	10m	1"	2m	550W*1
335	BSMSJ3.3-17-18-200-IN	0.2	0.24	3.3m³/h	17m	1"	2m	550W*1
336	BSMSJ3.3-23-24-300-IN	0.3	0.4	3.3m³/h	23m	1"	2m	550W*1
337	BSMSJ3.3-38-48-550-IN	0.55	0.75	3.3m³/h	38m	1"	2m	550W*2



**PERFORMANCE CURVES**



**TECHNICAL DATA**

NO.	Model	Power	Max. Flow	Max. Head	Cable	Solar Panels
338	BSMSDJ4-24-24-300	300	4m³/h	24m	2m	550W*1
339	BSMSDJ4-48-48-500	500	4m³/h	48m	2m	550W*2
340	BSMSDJ4-70-48-600	600	4m³/h	70m	2m	550W*2
341	BSMSDJ4-88-72-750	750	4m³/h	88m	2m	550W*3
342	BSMSDJ4-96-96-900	900	4m³/h	96m	2m	550W*3
343	BSMSDJ7-54-72-750	750	7m³/h	54m	2m	550W*3
344	BSMSDJ7-72-96-900	900	7m³/h	72m	2m	550W*3
345	BSMSDJ7-88-110-1100	1100	7m³/h	88m	2m	550W*3
346	BSMSDJ7-96-110-1300	1300	7m³/h	96m	2m	550W*4
347	BSMSDJ7-116-110-1500	1500	7m³/h	116m	2m	550W*4

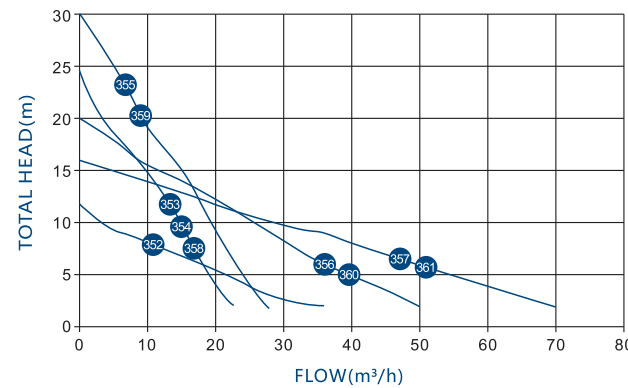
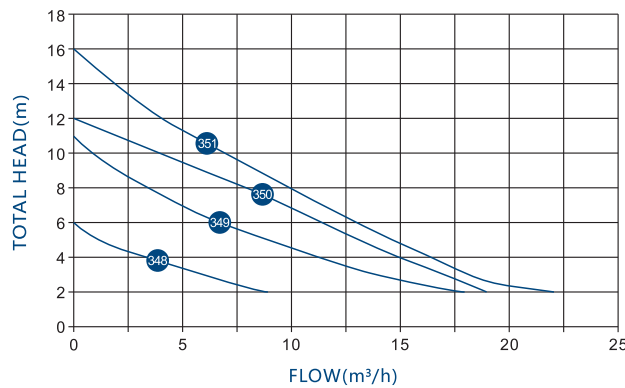




**BSMSWP**

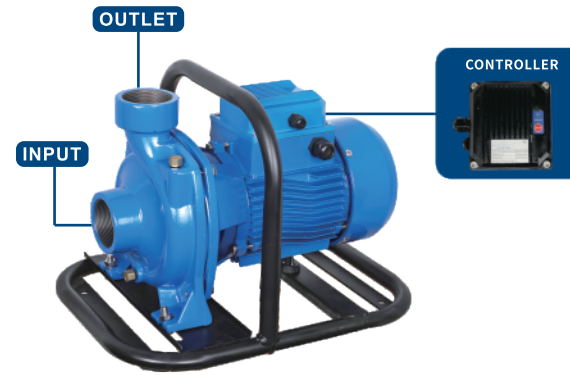


**PERFORMANCE CURVES**



**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable	Solar Panels
		Kw	Hp					
348	BSMSWP9-6-24-300-IN	0.3	0.4	9m³/h	6m	1.5"	2m	550W*1
349	BSMSWP18-11-48-600-IN	0.6	0.8	18m³/h	11m	2"	2m	550W*2
350	BSMSWP19-12-72-750-IN	0.75	1	19m³/h	12m	2"	2m	550W*3
351	BSMSWP22-16-110-1100-IN	1.1	1.5	22m³/h	16m	2"	2m	550W*3
352	BSMSWP36-12-110-1100-IN	1.1	1.5	36m³/h	12m	3"	2m	550W*3
353	BSMSWP23-25-110-1500	1.5	2	23m³/h	25m	2"	2m	550W*4
354	BSMSWP23-25-180-1500	1.5	2	23m³/h	25m	2"	2m	550W*5
355	BSMSWP28-30-280-2200	2.2	3	28m³/h	30m	2"	2m	550W*7
356	BSMSWP50-20-280-2200	2.2	3	50m³/h	20m	3"	2m	550W*7
357	BSMSWP70-16-280-2200	2.2	3	70m³/h	16m	4"	2m	550W*7
358	BSMSWP23-25-180-1500-A/D	1.5	2	23m³/h	25m	2"	2m	550W*5
359	BSMSWP28-30-280-2200-A/D	2.2	3	28m³/h	30m	2"	2m	550W*7
360	BSMSWP50-20-280-2200-A/D	2.2	3	50m³/h	20m	3"	2m	550W*7
361	BSMSWP70-16-280-2200-A/D	2.2	3	70m³/h	16m	4"	2m	550W*7

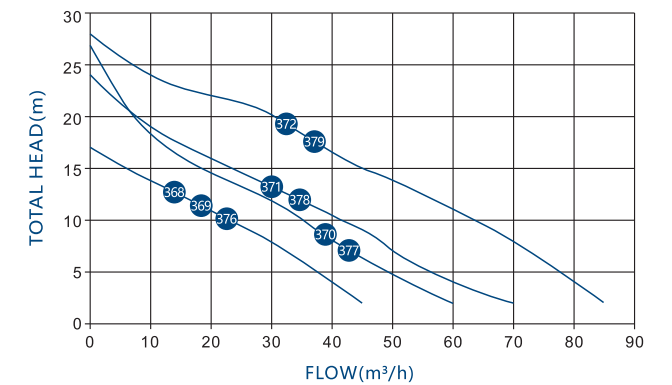
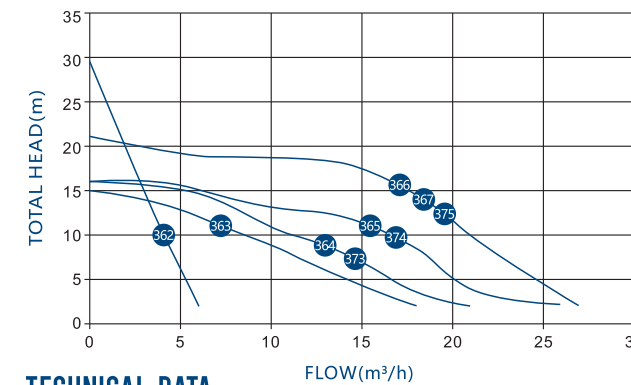


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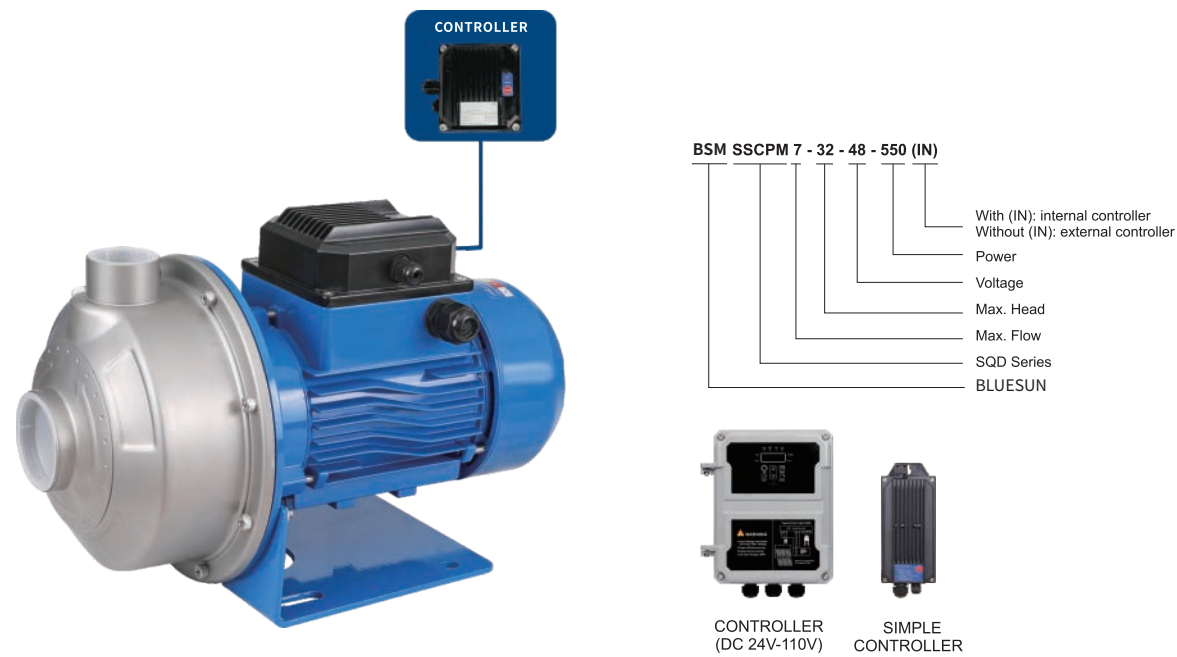
**BMSCPM**

**PERFORMANCE CURVES**

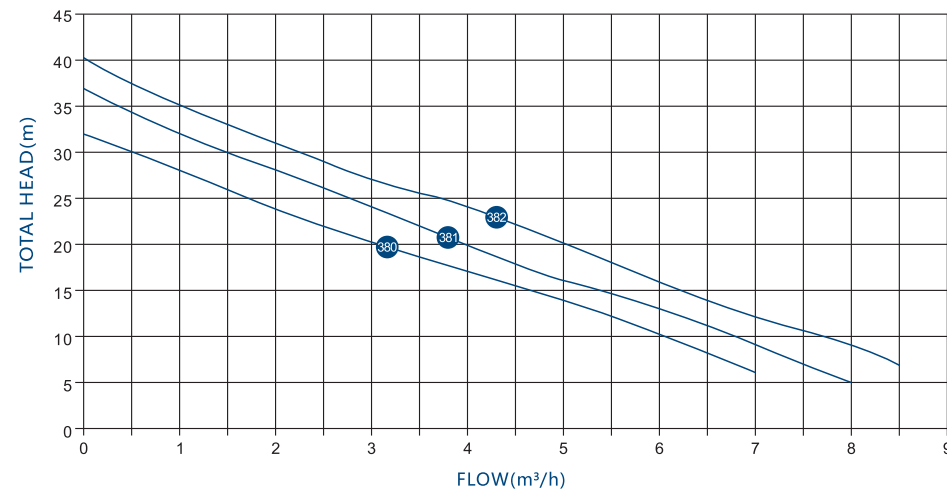


**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable	Solar Panels
		Kw	Hp					
362	BMSCPM6-30-48-550(IN)	0.55	0.75	6m³/h	30m	1"	2m	550W*2
363	BMSCPM18-15-48-550(IN)	0.55	0.75	18m³/h	15m	2"	2m	550W*2
364	BMSCPM21-16-72-750(IN)	0.75	1	21m³/h	16m	2"	2m	550W*3
365	BMSCPM26-16-110-1100(IN)	1.1	1.5	26m³/h	16m	2"	2m	550W*3
366	BMSCPM27-21-110-1500	1.5	2	27m³/h	21m	2"	2m	550W*4
367	BMSCPM27-21-180-1500	1.5	2	27m³/h	21m	2"	2m	550W*5
368	BMSCPM45-17-110-1500	1.5	2	45m³/h	17m	3"	2m	550W*4
369	BMSCPM45-17-180-1500	1.5	2	45m³/h	17m	3"	2m	550W*5
370	BMSCPM60-27-280-2200	2.2	3	60m³/h	27m	3"	2m	550W*7
371	BMSCPM70-24-280-2200	2.2	3	70m³/h	24m	4"	2m	550W*7
372	BMSCPM85-28-300-3000	3	4	85m³/h	28m	4"	2m	550W*8
373	BMSCPM21-16-96-750-A/D	0.75	1	21m³/h	16m	2"	2m	550W*3
374	BMSCPM26-16-150-1100-A/D	1.1	1.5	26m³/h	16m	2"	2m	550W*4
375	BMSCPM27-21-180-1500-A/D	1.5	2	27m³/h	21m	2"	2m	550W*5
376	BMSCPM45-17-180-1500-A/D	1.5	2	45m³/h	17m	3"	2m	550W*5
377	BMSCPM60-27-280-2200-A/D	2.2	3	60m³/h	27m	3"	2m	550W*7
378	BMSCPM70-24-280-2200-A/D	2.2	3	70m³/h	24m	4"	2m	550W*7
379	BMSCPM85-28-300-3000-A/D	3	4	85m³/h	28m	4"	2m	550W*8



**PERFORMANCE CURVES**

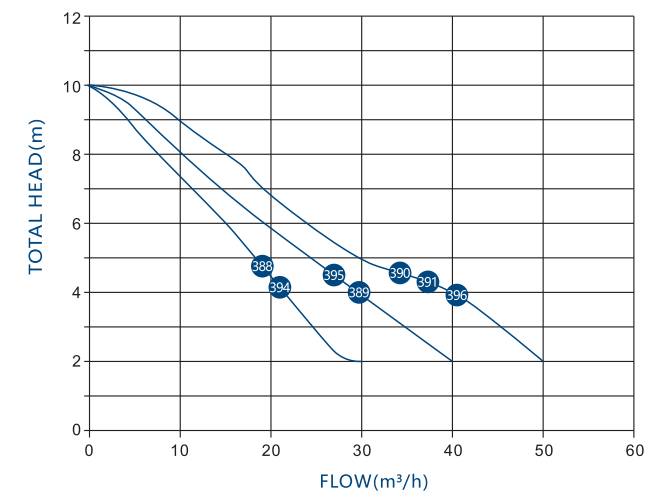
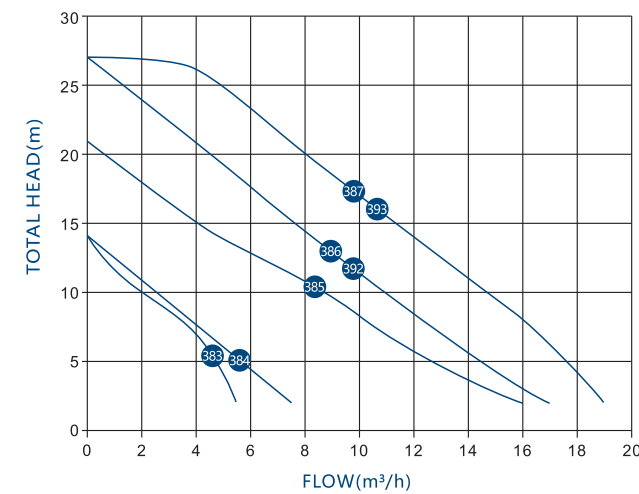


**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable	Solar Panels
		Kw	Hp					
380	BSMSSCPM7-32-48-550(IN)	0.55	0.75	7m³/h	32m	1.25*1"	2m	
381	BSMSSCPM8-37-72-750(IN)	0.75	1	8m³/h	37m	1.25*1"	2m	
382	BSMSSCPM8.5-40-72-900(IN)	0.9	1.2	8.5m³/h	40m	1.25*1"	2m	



**PERFORMANCE CURVES**

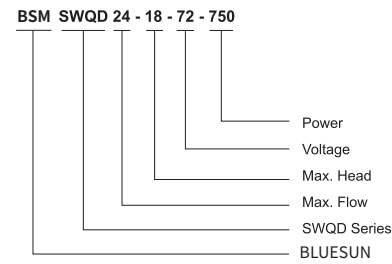


**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable	Solar Panels
		Kw	Hp					
383	BSMSQD5.5-14-24-300(IN)	0.3	0.4	5.5m³/h	14m	1"	5m	550W*1
384	BSMSQD7.5-14-24-300(IN)	0.3	0.4	7.5m³/h	14m	1.5"	5m	550W*1
385	BSMSQD16-21-48-600(IN)	0.6	0.8	16m³/h	21m	2"	5m	550W*2
386	BSMSQD17-27-72-750(IN)	0.75	1	17m³/h	27m	2"	5m	550W*3
387	BSMSQD19-27-110-1100(IN)	1.1	1.5	19m³/h	27m	2"	5m	550W*3
388	BSMSQD30-10-72-750	0.75	1	30m³/h	10m	1"	5m	550W*3
389	BSMSQD40-10-110-1100	1.1	1.5	40m³/h	10m	1.5"	5m	550W*3
390	BSMSQD50-10-110-1500	1.5	2	50m³/h	10m	2"	5m	550W*4
391	BSMSQD50-10-180-1500	1.5	2	50m³/h	10m	2"	5m	550W*5
392	BSMSQD17-27-96-750-A/D	0.75	1	17m³/h	27m	2"	5m	550W*3
393	BSMSQD19-27-150-1100-A/D	1.1	1.5	19m³/h	27m	3"	5m	550W*4
394	BSMSQD30-10-96-750-A/D	0.75	1	30m³/h	10m	3"	5m	550W*3
395	BSMSQD40-10-150-1100-A/D	1.1	1.5	40m³/h	10m	3"	5m	550W*4
396	BSMSQD50-10-180-1500-A/D	1.5	2	50m³/h	10m	3"	5m	550W*5

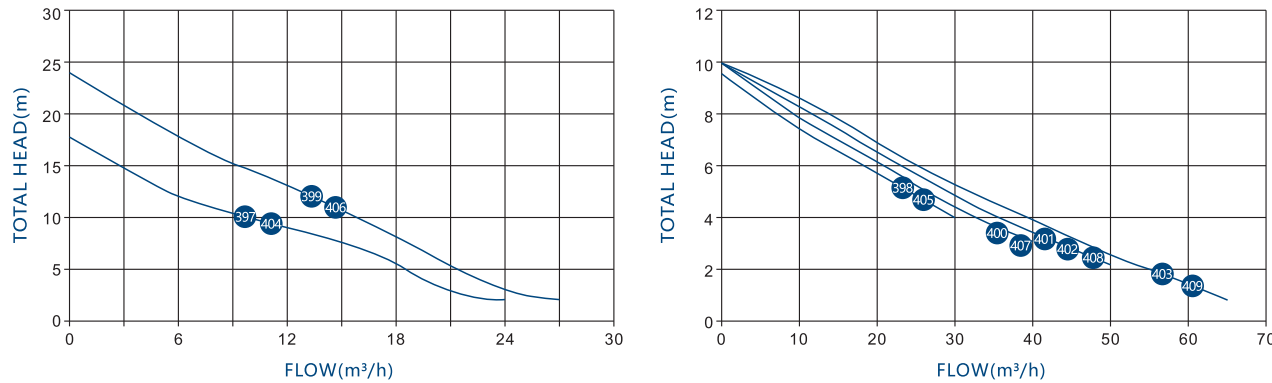


**BSM SWQD**



CONTROLLER (A/D 96V-300V)    CONTROLLER (DC 180V-300V)    CONTROLLER (DC 24V-110V)    SIMPLE CONTROLLER

**PERFORMANCE CURVES**



**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable	Solar Panels
		Kw	Hp					
397	BSMSWQD24-18-72-750	0.75	1	24m³/h	18m	2"	5m	550W*3
398	BSMSWQD30-9-72-750	0.75	1	30m³/h	9m	3"	5m	550W*3
399	BSMSWQD27-24-110-1100	1.1	1.5	27m³/h	24m	2"	5m	550W*3
400	BSMSWQD40-10-110-1100	1.1	1.5	40m³/h	10m	3"	5m	550W*3
401	BSMSWQD50-10-110-1500	1.5	2	50m³/h	10m	3"	5m	550W*4
402	BSMSWQD50-10-180-1500	1.5	2	50m³/h	10m	3"	5m	550W*5
403	BSMSWQD65-10-280-2200	2.2	3	65m³/h	10m	4"	5m	550W*7
404	BSMSWQD24-18-96-750-A/D	0.75	1	24m³/h	18m	2"	5m	550W*3
405	BSMSWQD30-9-96-750-A/D	0.75	1	30m³/h	9m	3"	5m	550W*3
406	BSMSWQD27-24-150-1100-A/D	1.1	1.5	27m³/h	24m	2"	5m	550W*4
407	BSMSWQD40-10-150-1100-A/D	1.1	1.5	40m³/h	10m	3"	5m	550W*4
408	BSMSWQD50-10-180-1500-A/D	1.5	2	50m³/h	10m	3"	5m	550W*5
409	BSMSWQD65-10-280-2200-A/D	2.2	3	65m³/h	10m	4"	5m	550W*7



CONTROLLER (A/D 96V-300V)    CONTROLLER (DC 180V-300V)    CONTROLLER (DC 24V-110V)    SIMPLE CONTROLLER

**TECHNICAL DATA**

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable	Solar Panels
		Kw	Hp					
410	BSMSA20-5-24-370	0.37	0.5	20m³/h	5m		2m	550W*3
411	BSMSA27-5-72-750	0.75	1	27m³/h	5m	3"	2m	550W*3
412	BSMSA32-7-110-1100	1.1	1.5	32m³/h	7m	3"	2m	550W*4
413	BSMSA43-7-110-1500	1.5	2	43m³/h	7m	3"	2m	550W*5
414	BSMSA43-7-180-1500	1.5	2	43m³/h	7m	3"	2m	550W*7
415	BSMSA60-5-280-2200	2.2	3	60m³/h	5m	4"	2m	550W*3
416	BSMSA27-5-96-750-A/D	0.75	1	27m³/h	5m	3"	2m	550W*4
417	BSMSA32-7-150-1100-A/D	1.1	1.5	32m³/h	7m	3"	2m	550W*5
418	BSMSA43-7-180-1500-A/D	1.5	2	43m³/h	7m	3"	2m	550W*7
419	BSMSA60-5-280-2200-A/D	2.2	3	60m³/h	5m	4"	2m	550W*7

**TECHNICAL DATA**

NO.	Model	Power		Oxygenation rate	Covering Area (m²)	QTY of impeller	Cable	Solar Panels
		Kw	Hp					
420	BSMSWA-110-1500	1.5	2	≥ 1.1	2000-6000	4	2m	550W*4
421	BSMSWA-180-1500	1.5	2	≥ 1.1	2000-6000	4	2m	550W*5
422	BSMSWA-280-2200	2.2	3	≥ 1.5	2665-8000	6	2m	550W*7

NO.	Model	Power		Oxygenation rate	Covering Area (m²)	QTY of impeller	Cable	Solar Panels
		Kw	Hp					
423	BSMSWA-180-1500-A/D	1.5	2	≥ 1.1	2000-6000	4	2m	550W*5
424	SWA-280-2200-A/D	2.2	3	≥ 1.5	2665-8000	6	2m	550W*7



Solar Aerator



Solar Paddle Wheel Aerator



Solar Impeller Aerator

**TECHNICAL DATA**

NO.	ITEM	Voltage	P <sub>2</sub>		Oxygenation rate (kgo/h)	Covering Area (m²)	Solar Panel		Solar Panels
			KW	HP			open voltage	power	
425	BSMSIA-110-1500	110V	1.5	2	≥ 1.6	2000-4000	<210V	≥2000W	550W*4
426	BSMSIA-180-1500	180V	1.5	2	≥ 1.6	2000-4000	<430V	≥2000W	550W*5

NO.	ITEM	AC Voltage	DC Voltage	P <sub>2</sub>		Oxygenation rate (kgo/h)	Covering Area (m²)	Solar Panel		Solar Panels
				KW	HP			open voltage	power	
427	BSMSIA-180-1500-A/D	110V-240V	60V-430V	1.5	2	≥ 1.6	2000-4000	<430V	≥ 2000W	550W*5
428	BSMSIA-280-2200-A/D	180V-240V	60V-430V	2.2	3	≥ 1.8	2665-5320	<430V	≥ 3000W	550W*7
429	BSMSIA-300-3000-A/D	350V-460V	60V-430V	3	4	≥ 4.5	2665-5328	<800V	≥ 4000W	550W*8

**TECHNICAL DATA**

NO.	ITEM	Voltage	P <sub>2</sub>		Oxygenation rate (kgo/h)	Covering Area (m²)	Solar Panel		Solar Panels
			KW	HP			open voltage	power	
430	BSMHD-SPQ-110-1100	110V	1.1	1.5	≥1.1	2000-3500	<220V	≥1500W	550W*3
431	BSMHD-SPQ-110-1500	110V	1.1	1.5	≥1.5	3500-5500	<220V	≥2000W	550W*4
432	BSMHD-SPQ-180-1500	180V	1.5	2	≥1.5	3500-5500	<430V	≥2000W	550W*5
433	BSMHD-SPQ-280-2200	280V	2.2	3	≥3	5500-8000	<430V	≥3000W	550W*7

NO.	ITEM	AC Voltage	DC Voltage	P <sub>2</sub>		Oxygenation rate (kgo/h)	Covering Area (m²)	Solar Panel		Solar Panels
				KW	HP			open voltage	power	
434	BSMSPQ-180-1500-A/D	110V-240V	60V-430V	1.5	2	≥1.5	3500-5500	<430V	≥2000W	550W*5
435	BSMSPQ-280-2200-A/D	110V-240V	60V-430V	2.2	3	≥3	5500-8000	<430V	≥3000W	550W*7



Steam explosion



## SOLAR CONTROLLER

CONTROLLER (DC 24V-110V)	CONTROLLER (DC 180V-300V)	CONTROLLER (A/D 96V-300V)
AUTO TYPE (3000W-5500W)	MANUAL TYPE(15KW-22KW)	MANUAL TYPE (3000-11000W)
LV CONTROLLER	HYBIRD CONTROLLER	SIMPLE CONTROLLER

## CONTROLLER AND PUMP MATACHING METHOD

CONTROLLER TYPE	Adaptable Pump	Max.Input Current(A)	Max.Open Circuit Voltage(V)	AC Voltage(V)	MPPT Voltage Range(V)	Working Temperature °C	Voltage Range (V)
BSM24	Rated 24V	18	<60	/	30-48	-15~60	18-60
BSM36	Rated 36V	18	<60	/	30-48	-15~60	18-60
BSM48	Rated 48V	18	<110	/	60-90	-15~60	30-110
BSM72	Rated 72V	18	<170	/	90-120	-15~60	50-170
BSM96/110	Rated 96/110V	18	<220	/	96-150	-15~60	60-220
BSM96-HV	Rated 96V-HV	18	<430	/	96-350	-15~60	80-430
BSM150-HV	Rated 150V-HV	18	<430	/	150-350	-15~60	80-430
BSM180-HV	Rated 180V-HV	18	<430	/	180-350	-15~60	80-430
BSM280-HV	Rated 280V-HV	18	<430	/	280-350	-15~60	80-430
BSM300-HV	Rated 300V-HV	18	<430	/	300-350	-15~60	80-430
BSM96-AD	Rated 96V-AD	18	<430	80~280	96-350	-15~60	80-430
BSM150-AD	Rated 150V-AD	18	<430	80~280	150-350	-15~60	80-430
BSM180-AD	Rated 180V-AD	18	<430	80~280	180-350	-15~60	80-430
BSM280-AD	Rated 280V-AD	18	<430	80~280	280-350	-15~60	80-430
BSM300-AD	Rated 300V-AD	18	<430	80~280	300-350	-15~60	80-430
BSM530-AD	Rated 530V-AD		<780	260~480	480-650	-15~60	200-780

## SOLAR PANEL PARAMETER

PUMP MODEL (Power-Voltage)	SOLAR PANEL PARAMETER				Control Box Parameter	
	450W		550W			
	G.W.	Volume	G.W.	Volume	Best Working Voltage	Open Voltage
	23kg/pc	1762*1134*35mm	27kg/pc	2278*1134*35mm		
Vmp	Voc	Vmp	Voc			
	43V	51V	42V	51V		
BSM120W-24V						
BSM210W-24V	1 pcs		1 pcs		30V-48V	<60V
BSM210W-36V						
BSM280W-24V	1 pcs		1 pcs		30V-48V	<60V
BSM300W-24V						
BSM400W-48V	2 pcs in series		2 pcs in series		60V-90V	<110V
BSM500W-48V	2 pcs in series		2 pcs in series		60V-90V	<110V
BSM550W-48V						
BSM600W-48V	2 pcs in series		2 pcs in series		60V-90V	<110V
BSM600W-72V	2 or 3 pcs in series		2 or 3 pcs in series		90V-120V	<170V
BSM750W-72V	3 pcs in series		2 or 3 pcs in series		90V-120V	<170V
BSM900W-72V	3 pcs in series		3 pcs in series		90V-120V	<170V
BSM1100W-110V	4 pcs in series		3 pcs in series		110V-150V	<220V
BSM1200W-110V	4 pcs in series		3 pcs in series		110V-150V	<220V
BSM1300W-110V						
BSM1500W-110V	4 pcs in series		4 pcs in series		110V-150V	<220V
BSM750W-96V	3 pcs in series		3 pcs in series		96V-350V	<430V
BSM1100W-150V	4 pcs in series		4 pcs in series		150V-350V	<430V
BSM1300W-170V	5 pcs in series		5 pcs in series		170V-350V	<430V
BSM1500W-180V	5 pcs in series		5 pcs in series		180V-350V	<430V
BSM2200W-280V	7 pcs in series		7 pcs in serie		280V-350V	<430V
BSM3000W-300V	8 pcs in series		8 pcs in serie		300V-350V	<430V
BSM3000W-530V	12 pcs in series		12 pcs in series		480V-650V	<780V
BSM4000W-530V	12 pcs in series		12 pcs in series		480V-650V	<780V
BSM5500W-530V	15 pcs in series		13 pcs in series		480V-650V	<780V
BSM7500W-530V	total 24pcs, 12pcs in series and in 2 parallels		total 26pcs, 13pcs in series and in 2 parallels		480V-530V	<780V
BSM9200W-530V	total 30pcs, 15pcs in series and in 2 parallels		total 26pcs, 13pcs in series and in 2 parallels		480V-530V	<780V
BSM11KW-530V	total 36pcs, 12pcs in series and in 3 parallels		total 30pcs, 15pcs in series and in 2 parallels		480V-530V	<780V
BSM15KW-530V	total 48pcs, 12pcs in series and in 4 parallels		total 39pcs, 13pcs in series and in 3 parallels		480V-530V	<780V
BSM22KW-530V	total 60pcs, 12pcs in series and in 5 parallels		total 52pcs, 13pcs in series and in 4 parallels		480V-530V	<780V





FREE ACCESSORIES



FREE ACCESSORIES



FREE ACCESSORIES

