

HD-3SC
BRUSHLESS SOLAR PUMP



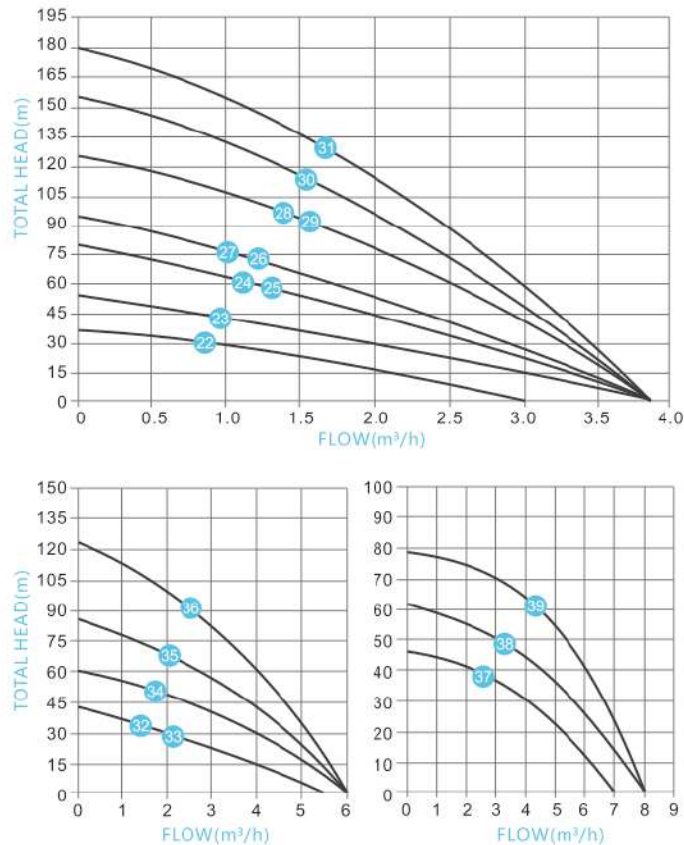
ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
- 2. Environmental protection, clean energy, can be powered by solar panel, battery as well as AC electric.
- 3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
- 4. With MPPT function
- 5. Much longer life than the normal AC water pump

APPLICATION FIELD

- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use

PERFORMANCE CURVES



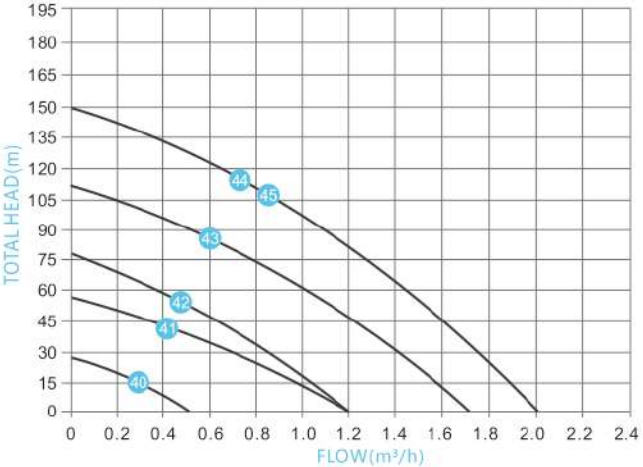
TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
22	24V	30V-48V	300W	3.0m³/h	35m	1.25"	2m	<50V	≥500W
23	48V	60V-90V	400W	3.8m³/h	55m	1.25"	2m	<100V	≥600W
24	48V	60V-90V	600W	3.8m³/h	80m	1.25"	2m	<100V	≥750W
25	72V	90V-120V	600W	3.8m³/h	80m	1.25"	2m	<150V	≥750W
26	48V	60V-90V	750W	3.8m³/h	95m	1.25"	2m	<100V	≥1000W
27	72V	90V-120V	750W	3.8m³/h	95m	1.25"	2m	<150V	≥1000W
28	72V	90V-120V	1100W	3.8m³/h	123m	1.25"	2m	<150V	≥1500W
29	110V	110V-150V	1100W	3.8m³/h	123m	1.25"	2m	<200V	≥1500W
30	110V	110V-150V	1300W	3.8m³/h	155m	1.25"	2m	<200V	≥1800W
31	110V	110V-150V	1500W	3.8m³/h	180m	1.25"	2m	<200V	≥2000W
32	48V	60V-90V	600W	5.5m³/h	42m	1.25"	2m	<100V	≥750W
33	72V	90V-120V	600W	5.5m³/h	42m	1.25"	2m	<150V	≥750W
34	72V	90V-120V	750W	6m³/h	60m	1.25"	2m	<150V	≥1000W
35	110V	110V-150V	1100W	6m³/h	85m	1.25"	2m	<200V	≥1500W
36	110V	110V-150V	1500W	6m³/h	125m	1.25"	2m	<200V	≥2000W
37	72V	90V-120V	750W	7m³/h	46m	1.25"/1.5"	2m	<150V	≥1000W
38	110V	110V-150V	1100W	8m³/h	62m	1.25"/1.5"	2m	<200V	≥1500W
39	110V	110V-150V	1500W	8m³/h	78m	1.25"/1.5"	2m	<200V	≥2000W

HD-3SS
BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



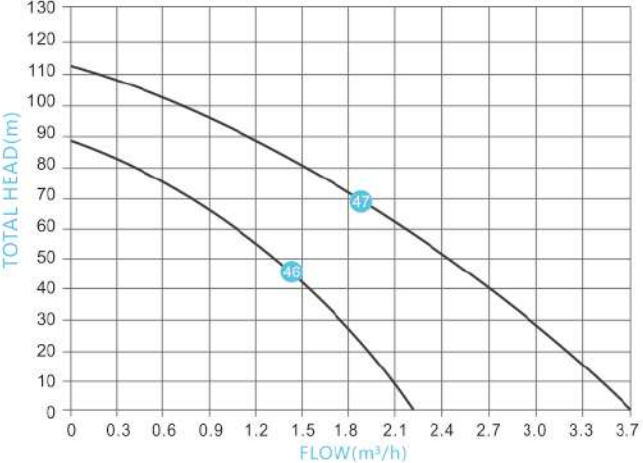
TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
40	12V	20V-36V	80W	0.5m³/h	28m	0.75"	2m	<50V	≥150W
41	24V	30V-48V	120W	1.2m³/h	56m	0.75"	2m	<50V	≥250W
42	36V	30V-48V	210W	1.2m³/h	77m	0.75"	2m	<50V	≥300W
43	48V	60V-90V	500W	1.7m³/h	109m	0.75"	2m	<100V	≥600W
44	48V	60V-90V	750W	2.0m³/h	150m	0.75"	2m	<100V	≥1000W
45	72V	90V-120V	750W	2.0m³/h	150m	0.75"	2m	<150V	≥1000W

HD-4SS
BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



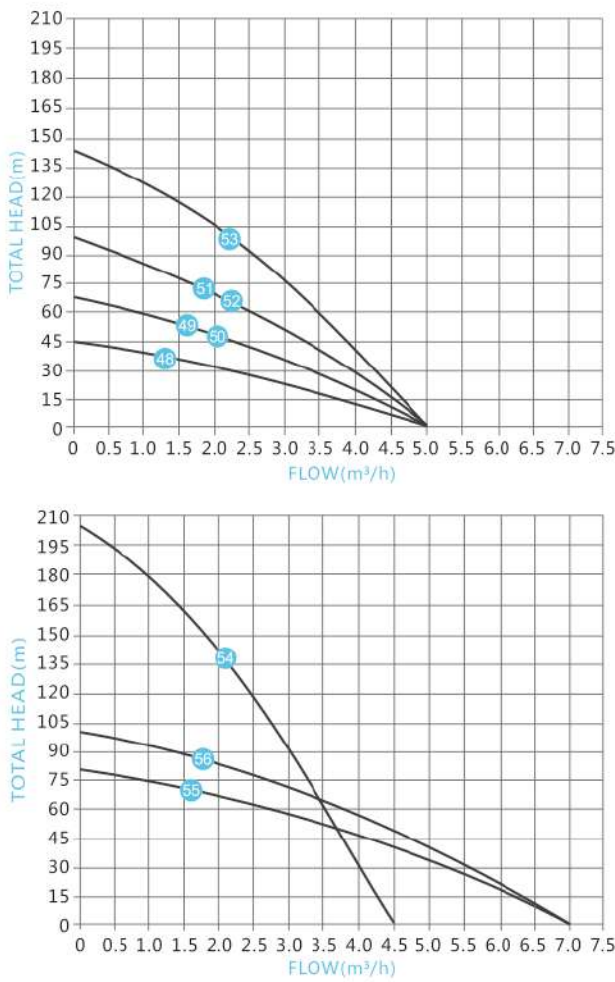
TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
46	48V	60V-90V	600W	2.2m³/h	88m	1"	2m	<100V	≥750W
47	72V	90V-120V	750W	3.7m³/h	112m	1"	2m	<150V	≥1000W

HD-4SSC
BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



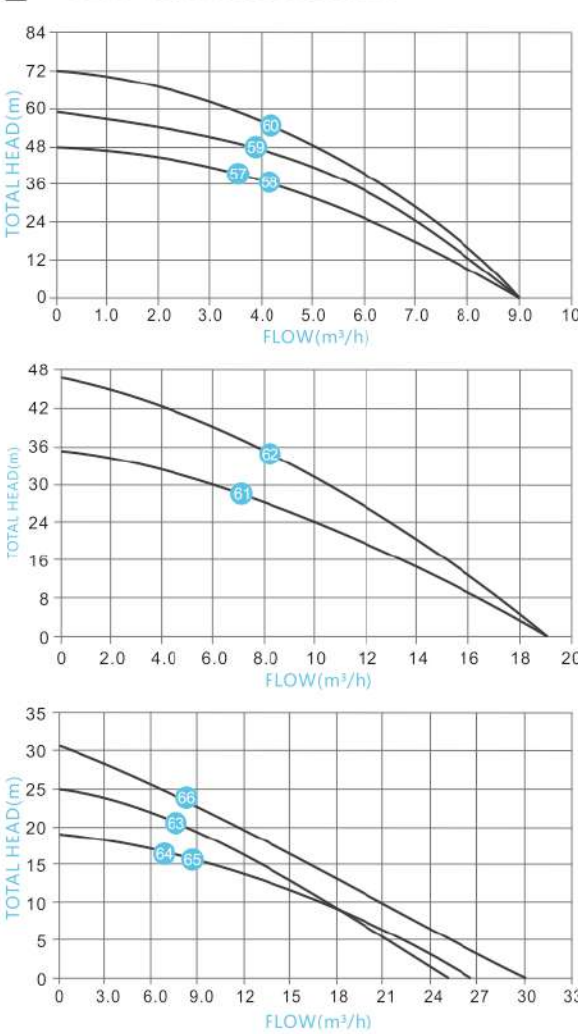
TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
48 HD-4SSC5-45-48-500	48V	60V-90V	500W	5.0m³/h	45m	1.25"	2m	<100V	≥600W
49 HD-4SSC5-67-48-750	48V	60V-90V	750W	5.0m³/h	67m	1.25"	2m	<100V	≥1000W
50 HD-4SSC5-67-72-750	72V	90V-120V	750W	5.0m³/h	67m	1.25"	2m	<150V	≥1000W
51 HD-4SSC5-101-72-1100	72V	90V-120V	1100W	5.0m³/h	101m	1.25"	2m	<150V	≥1500W
52 HD-4SSC5-101-110-1100	110V	110V-150V	1100W	5.0m³/h	101m	1.25"	2m	<200V	≥1500W
53 HD-4SSC5-146-110-1300	110V	110V-150V	1300W	5.0m³/h	146m	1.25"	2m	<200V	≥1800W
54 HD-4SSC4.5-203-110-1500	110V	110V-150V	1500W	4.5m³/h	203m	1.25"	2m	<200V	≥2000W
55 HD-4SSC7-80-110-1300	110V	110V-150V	1300W	7.0m³/h	80m	1.25"	2m	<200V	≥1800W
56 HD-4SSC7-100-110-1500	110V	110V-150V	1500W	7.0m³/h	100m	1.25"	2m	<200V	≥2000W

HD-4SSC
BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



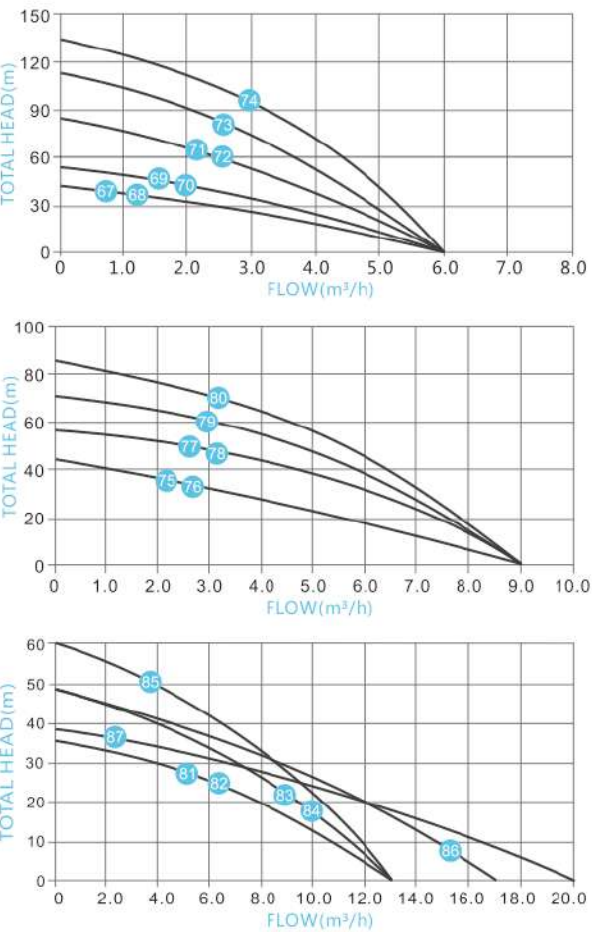
TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
57 HD-4SSC9-48-72-750	72V	90V-120V	750W	9m³/h	48m	2"	2m	<150V	≥1000W
58 HD-4SSC9-48-110-750	110V	110V-150V	750W	9m³/h	48m	2"	2m	<200V	≥1000W
59 HD-4SSC9-59-110-1300	110V	110V-150V	1300W	9m³/h	59m	2"	2m	<200V	≥1800W
60 HD-4SSC9-72-110-1500	110V	110V-150V	1500W	9m³/h	72m	2"	2m	<200V	≥2000W
61 HD-4SSC19-35-110-1300	110V	110V-150V	1300W	19m³/h	35m	2"	2m	<200V	≥1800W
62 HD-4SSC19-46-110-1500	110V	110V-150V	1500W	19m³/h	46m	2"	2m	<200V	≥2000W
63 HD-4SSC25-25-110-1500	110V	110V-150V	1500W	25m³/h	25m	2"	2m	<200V	≥2000W
64 HD-4/6SSC26-18-72-1100	72V	90V-120V	1100W	26m³/h	18m	2"	2m	<150V	≥1500W
65 HD-4/6SSC26-18-110-1100	110V	110V-150V	1100W	26m³/h	18m	2"	2m	<200V	≥1500W
66 HD-4/6SSC30-31-110-1500	110V	110V-150V	1500W	30m³/h	31m	2"	2m	<200V	≥2000W

HD-4SC
BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



TECHNICAL DATA

ITEM	Voltage	Best DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
67 HD-4SC6-42-48-600	48V	60V-90V	600W	6.0m³/h	42m	1.25"	2m	<100V	≥750w
68 HD-4SC6-42-72-600	72V	90V-120V	600W	6.0m³/h	42m	1.25"	2m	<150V	≥750w
69 HD-4SC6-56-48-750	48V	60V-90V	750W	6.0m³/h	56m	1.25"	2m	<100V	≥1000w
70 HD-4SC6-56-72-750	72V	90V-120V	750W	6.0m³/h	56m	1.25"	2m	<150V	≥1000w
71 HD-4SC6-84-72-1100	72V	90V-120V	1100W	6.0m³/h	84m	1.25"/1.5"	2m	<150V	≥1500w
72 HD-4SC6-84-110-1100	110V	110V-150V	1100W	6.0m³/h	84m	1.25"/1.5"	2m	<200V	≥1500w
73 HD-4SC6-112-110-1300	110V	110V-150V	1300W	6.0m³/h	112m	1.25"/1.5"	2m	<200V	≥1800w
74 HD-4SC6-135-110-1500	110V	110V-150V	1500W	6.0m³/h	135m	1.25"/1.5"	2m	<200V	≥2000w
75 HD-4SC9-45-72-750	72V	90V-120V	750W	9.0m³/h	45m	2"	2m	<150V	≥1000W
76 HD-4SC9-45-110-750	110V	110V-150V	750W	9.0m³/h	45m	2"	2m	<200V	≥1000W
77 HD-4SC9-58-72-1100	72V	90V-120V	1100W	9.0m³/h	58m	2"	2m	<150V	≥1500W
78 HD-4SC9-58-110-1100	110V	110V-150V	1100W	9.0m³/h	58m	2"	2m	<200V	≥1500W
79 HD-4SC9-71-110-1300	110V	110V-150V	1300W	9.0m³/h	71m	2"	2m	<200V	≥1800W
80 HD-4SC9-85-110-1500	110V	110V-150V	1500W	9.0m³/h	85m	2"	2m	<200V	≥2000W
81 HD-4SC13-36-72-750	72V	90V-120V	750W	13.0m³/h	36m	2"	2m	<150V	≥1000W
82 HD-4SC13-36-110-750	110V	110V-150V	750W	13.0m³/h	36m	2"	2m	<200V	≥1000W
83 HD-4SC13-48-72-1100	72V	90V-120V	1100W	13.0m³/h	48m	2"	2m	<150V	≥1500W
84 HD-4SC13-48-110-1100	110V	110V-150V	1100W	13.0m³/h	48m	2"	2m	<200V	≥1500W
85 HD-4SC13-60-110-1500	110V	110V-150V	1500W	13.0m³/h	60m	2"	2m	<200V	≥2000W
86 HD-4SC17-48-110-1500	110V	110V-150V	1500W	17.0m³/h	48m	2"	2m	<200V	≥2000W
87 HD-4SC20-38-110-1500	110V	110V-150V	1500W	20.0m³/h	38m	2"	2m	<200V	≥2000W

HD-3SSC-A/D (80V-400V)
BRUSHLESS SOLAR PUMP



ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
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- 4. With MPPT function
- 5. Much longer life than the normal AC water pump

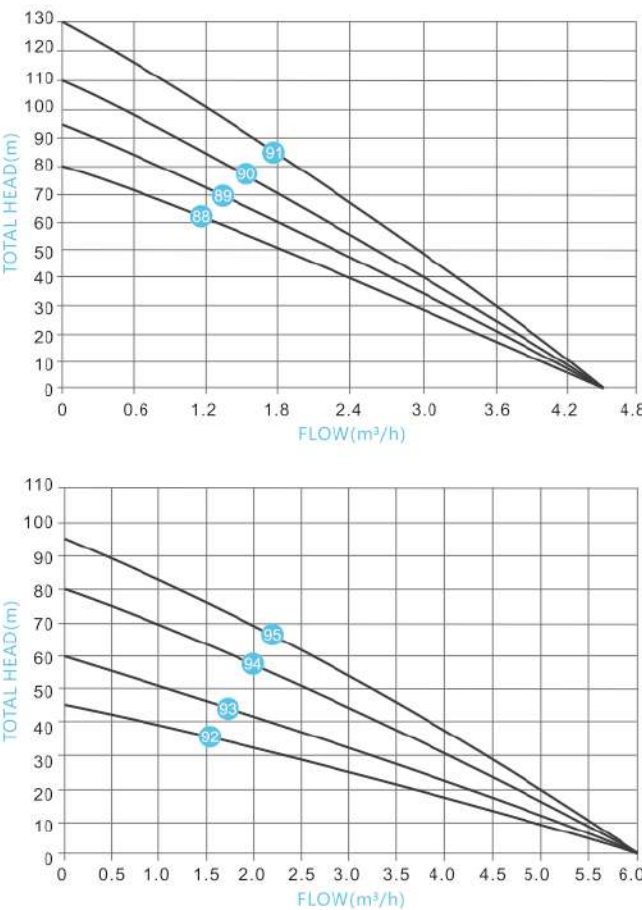
APPLICATION FIELD

- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use

TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
88 HD-3SSC4.5-80-72-600-A/D	110V-240V	80V-400V	600W	4.5m³/h	80m	1.25"	2m	<420V	≥750W
89 HD-3SSC4.5-95-72-750-A/D	110V-240V	80V-400V	750W	4.5m³/h	95m	1.25"	2m	<420V	≥1000W
90 HD-3SSC4.5-110-110-1100-A/D	110V-240V	80V-400V	1100W	4.5m³/h	110m	1.25"	2m	<420V	≥1500W
91 HD-3SSC4.5-130-110-1500-A/D	110V-240V	80V-400V	1500W	4.5m³/h	130m	1.25"	2m	<420V	≥2000W
92 HD-3SSC6-44-72-600-A/D	110V-240V	80V-400V	600W	6m³/h	44m	1.25"	2m	<420V	≥750W
93 HD-3SSC6-60-72-750-A/D	110V-240V	80V-400V	750W	6m³/h	60m	1.25"	2m	<420V	≥1000W
94 HD-3SSC6-80-110-1100-A/D	110V-240V	80V-400V	1100W	6m³/h	80m	1.25"	2m	<420V	≥1500W
95 HD-3SSC6-95-110-1500-A/D	110V-240V	80V-400V	1500W	6m³/h	95m	1.25"	2m	<420V	≥2000W

PERFORMANCE CURVES



HD-3SC-A/D (80V-400V)
BRUSHLESS SOLAR PUMP



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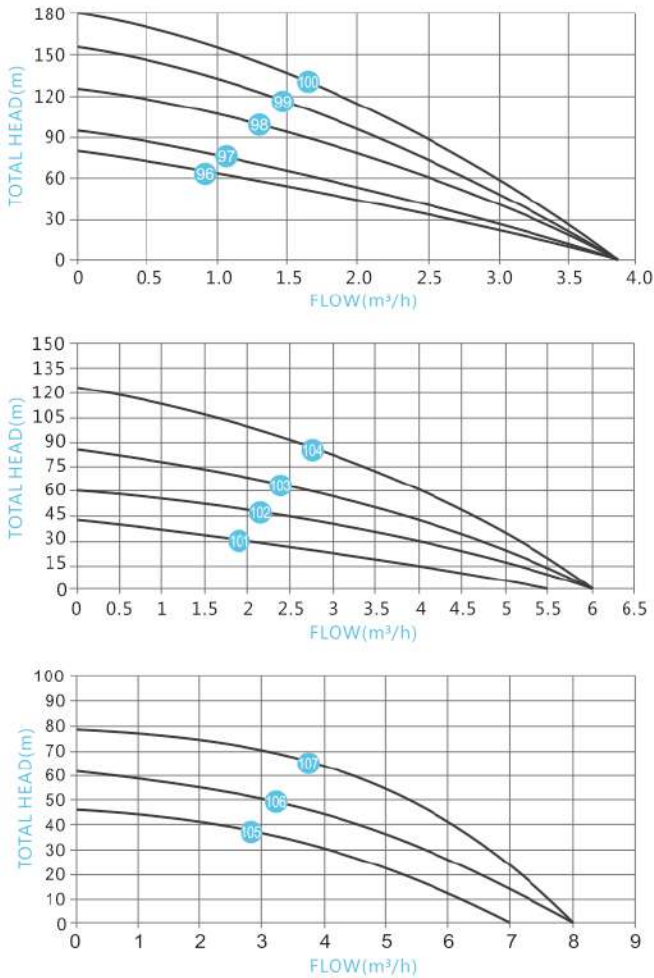
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TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
96 HD-3SC3.8-80-72-600-A/D	110V-240V	80V-400V	600W	3.8m³/h	80m	1.25"	2m	<420V	≥750W
97 HD-3SC3.8-95-72-750-A/D	110V-240V	80V-400V	750W	3.8m³/h	95m	1.25"	2m	<420V	≥1000W
98 HD-3SC3.8-123-110-1100-A/D	110V-240V	80V-400V	1100W	3.8m³/h	123m	1.25"	2m	<420V	≥1500W
99 HD-3SC3.8-155-110-1300-A/D	110V-240V	80V-400V	1300W	3.8m³/h	155m	1.25"	2m	<420V	≥1800W
100 HD-3SC3.8-180-110-1500-A/D	110V-240V	80V-400V	1500W	3.8m³/h	180m	1.25"	2m	<420V	≥2000W
101 HD-3SC5.5-42-72-600-A/D	110V-240V	80V-400V	600W	5.5m³/h	42m	1.25"	2m	<420V	≥750W
102 HD-3SC6-60-72-750-A/D	110V-240V	80V-400V	750W	6m³/h	60m	1.25"	2m	<420V	≥1000W
103 HD-3SC6-85-110-1100-A/D	110V-240V	80V-400V	1100W	6m³/h	85m	1.25"	2m	<420V	≥1500W
104 HD-3SC6-125-110-1500-A/D	110V-240V	80V-400V	1500W	6m³/h	125m	1.25"	2m	<420V	≥2000W
105 HD-3SC7-46-72-750-A/D	110V-240V	80V-400V	750W	7m³/h	46m	1.25"/1.5"	2m	<420V	≥1000W
106 HD-3SC8-62-110-1100-A/D	110V-240V	80V-400V	1100W	8m³/h	62m	1.25"/1.5"	2m	<420V	≥1500W
107 HD-3SC8-78-110-1500-A/D	110V-240V	80V-400V	1500W	8m³/h	78m	1.25"/1.5"	2m	<420V	≥2000W

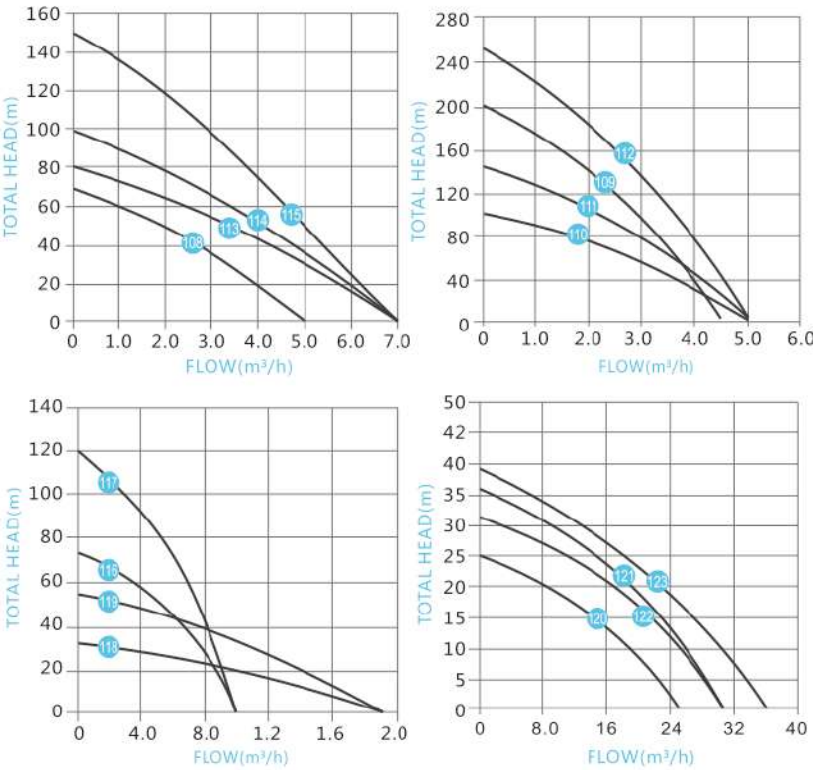
PERFORMANCE CURVES



HD-4SSC-A/D (80V-400V)
BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



TECHNICAL DATA

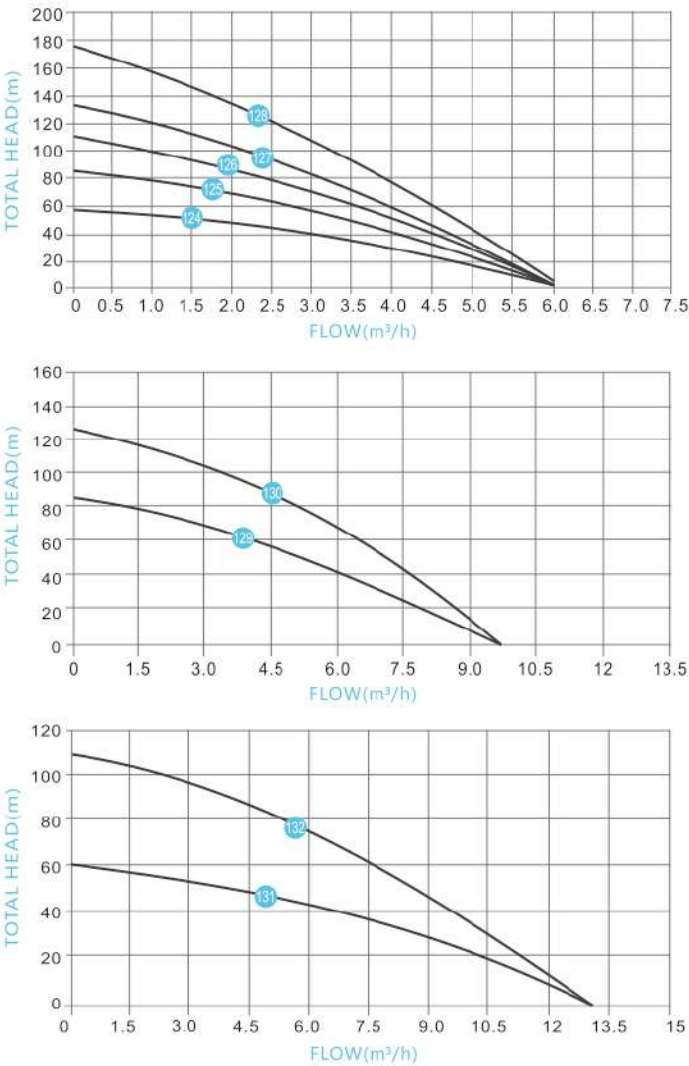
ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
108 HD-4SSC5-67-72-750-A/D	110V-240V	80V-400V	750W	5m³/h	67m	1.25"	2m	<420V	≥1000W
109 HD-4SSC4.5-203-110-1500-A/D	110V-240V	80V-400V	1500W	4.5m³/h	203m	1.25"	2m	<420V	≥2000W
110 HD-4SSC5-101-110-1100-A/D	110V-240V	80V-400V	1100W	5m³/h	101m	1.25"	2m	<420V	≥1500W
111 HD-4SSC5-146-110-1300-A/D	110V-240V	80V-400V	1300W	5m³/h	146m	1.25"	2m	<420V	≥1800W
112 HD-4SSC5-255-220-2200-A/D	180V-240V	80V-400V	2200W	5m³/h	255m	1.25"	2m	<420V	≥3000W
113 HD-4SSC7-80-110-1300-A/D	110V-240V	80V-400V	1300W	7m³/h	80m	1.25"	2m	<420V	≥1800W
114 HD-4SSC7-100-110-1500-A/D	110V-240V	80V-400V	1500W	7m³/h	100m	1.25"	2m	<420V	≥2000W
115 HD-4SSC7-150-220-2200-A/D	180V-240V	80V-400V	2200W	7m³/h	150m	1.25"	2m	<420V	≥3000W
116 HD-4SSC9-72-110-1500-A/D	110V-240V	80V-400V	1500W	9m³/h	72m	2"	2m	<420V	≥2000W
117 HD-4SSC9-120-220-2200-A/D	180V-240V	80V-400V	2200W	9m³/h	120m	2"	2m	<420V	≥3000W
118 HD-4SSC19-34-110-1500-A/D	110V-240V	80V-400V	1500W	19m³/h	34m	2"	2m	<420V	≥2000W
119 HD-4SSC19-57-220-2200-A/D	180V-240V	80V-400V	2200W	19m³/h	57m	2"	2m	<420V	≥3000W
120 HD-4SSC25-25-110-1500-A/D	110V-240V	80V-400V	1500W	25m³/h	25m	2"	2m	<420V	≥2000W
121 HD-4SSC30-36-220-2200-A/D	180V-240V	80V-400V	2200W	30m³/h	36m	2"	2m	<420V	≥3000W
122 HD-4/6SSC30-31-110-1500-A/D	110V-240V	80V-400V	1500W	30m³/h	31m	3"	2m	<420V	≥2000W
123 HD-4/6SSC36-38-220-2200-A/D	180V-240V	80V-400V	2200W	36m³/h	38m	3"	2m	<420V	≥3000W

HD-4SC-A/D (80V-400V)

BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



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TECHNICAL DATA

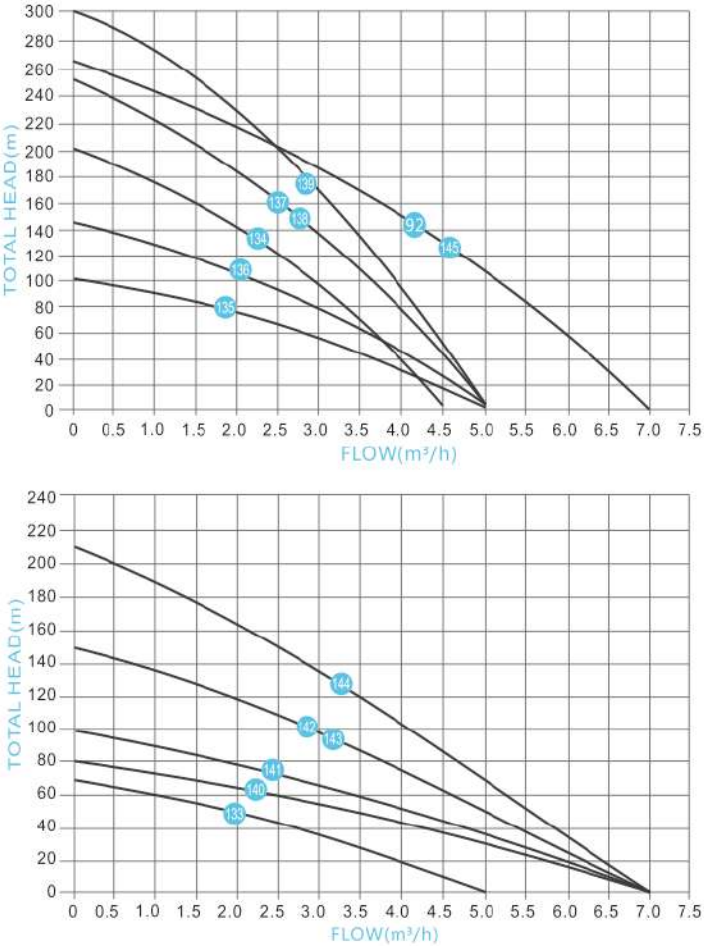
ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
124 HD-4SC6-56-72-750-A/D	110V-240V	80V-400V	750W	6m³/h	56m	2"	2m	<420V	≥1000W
125 HD-4SC6-84-110-1100-A/D	110V-240V	80V-400V	1100W	6m³/h	84m	2"	2m	<420V	≥1500W
126 HD-4SC6-112-110-1300-A/D	110V-240V	80V-400V	1300W	6m³/h	112m	2"	2m	<420V	≥1800W
127 HD-4SC6-135-110-1500-A/D	110V-240V	80V-400V	1500W	6m³/h	135m	2"	2m	<420V	≥2000W
128 HD-4SC6-175-220-2200-A/D	180V-240V	80V-400V	2200W	6m³/h	175m	2"	2m	<420V	≥3000W
129 HD-4SC9.5-85-110-1500-A/D	110V-240V	80V-400V	1500W	9.5m³/h	85m	2"	2m	<420V	≥2000W
130 HD-4SC9.5-125-220-2200-A/D	180V-240V	80V-400V	2200W	9.5m³/h	125m	2"	2m	<420V	≥3000W
131 HD-4SC13-60-110-1500-A/D	110V-240V	80V-400V	1500W	13m³/h	60m	2"	2m	<420V	≥2000W
132 HD-4SC13-110-220-2200-A/D	180V-240V	80V-400V	2200W	13m³/h	110m	2"	2m	<420V	≥3000W

HD-4SSC-A/D

BRUSHLESS SOLAR PUMP



PERFORMANCE CURVES



ADVANTAGE FOR SOLAR WATER PUMP

- 1. With high efficiency permanent magnetic motor, efficiency improved 15%-30%
- 2. Environmental protection, clean energy, can be powered by solar panel, battery as well as AC electric.
- 3. Over-load protection, under-load protection, lock-rotor protection, thermal protection
- 4. With MPPT function
- 5. Much longer life than the normal AC water pump

APPLICATION FIELD

- These water pumps are used in irrigation of agriculture, also widely used for drinking water and living water use

TECHNICAL DATA

ITEM	AC Voltage	DC Voltage	Power	Max. Flow	Max. Head	Outlet	Cable	Solar panel	
								open voltage	Power
133 HD-4SSC5-67-220-750-A/D	180V-240V	300V-400V	750W	5m³/h	67m	1.25"	2m	<450V	≥1800W
134 HD-4SSC4.5-203-220-1500-A/D	180V-240V	300V-400V	1500W	4.5m³/h	203m	1.25"	2m	<450V	≥2000W
135 HD-4SSC5-101-220-1100-A/D	180V-240V	300V-400V	1100W	5m³/h	101m	1.25"	2m	<450V	≥1500W
136 HD-4SSC5-146-220-1300-A/D	180V-240V	300V-400V	1300W	5m³/h	146m	1.25"	2m	<450V	≥1800W
137 HD-4SSC5-255-220-2200-A/D	180V-240V	300V-400V	2200W	5m³/h	255m	1.25"	2m	<450V	≥3000W
138 HD-4SSC5-255-380-2200-A/D	350V-460V	480V-750V	2200W	5m³/h	255m	1.25"	2m	<800V	≥3000W
139 HD-4SSC5-300-380-3000-A/D	350V-460V	480V-750V	3000W	5m³/h	300m	1.25"	2m	<800V	≥4000W
140 HD-4SSC7-80-220-1300-A/D	180V-240V	300V-400V	1300W	7m³/h	80m	1.25"	2m	<450V	≥1800W
141 HD-4SSC7-100-220-1500-A/D	180V-240V	300V-400V	1500W	7m³/h	100m	1.25"	2m	<450V	≥2000W
142 HD-4SSC7-150-220-2200-A/D	180V-240V	300V-400V	2200W	7m³/h	150m	1.25"	2m	<450V	≥3000W
143 HD-4SSC7-150-380-2200-A/D	350V-460V	480V-750V	2200W	7m³/h	150m	1.25"	2m	<800V	≥3000W
144 HD-4SSC7-210-380-3000-A/D	350V-460V	480V-750V	3000W	7m³/h	210m	1.25"	2m	<800V	≥4000W
145 HD-4SSC7-265-380-4000-A/D	350V-460V	480V-750V	4000W	7m³/h	265m	1.25"	2m	<800V	≥5000W