

HANOURO®

HANOURO
DC water pump
SOLAR PUMP
HANDOURO
PUMP MANUFACTURER
SOLAR WATER PUMP
HANDOURO
PUMP MANUFACTURER
SOLAR WATER PUMP
HANDOURO
SOLAR PUMP
HANDOURO



ECO GREEN ENERGY EU
The Future is Now





COMPANY PROFILE

In 2014, Zhejiang Hande Pump industry took the first step in the field of deep well pump manufacturing. After years of persistent pursuit and technological change, Hande Company developed from traditional deep well water pump to solar-energy water pump with its own national brand "HANDURO".

Handuro Company becomes more professional in manufacturing different kinds of deep well submersible water pump, centrifugal pump, solar water pumps and so on, which are sold out to Europe, Asia, America, Africa and other countries and regions. The pumps are widely used in human and livestock water use, farmland irrigation, domestic water use and urban industrial water use, construction site water supply etc..



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- WATER-FILLED MOTOR

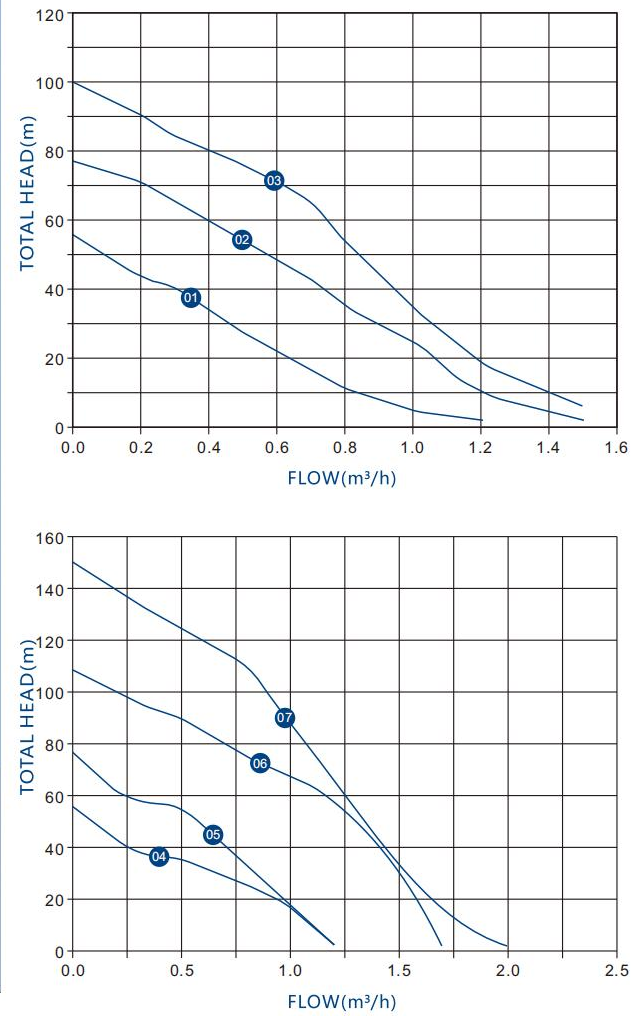


NO WATER POLLUTION
SUBMERGED DEPTH REACHES 300M
LONG SERVICE LIFE
NO LEAKAGE

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PERFORMANCE CURVES



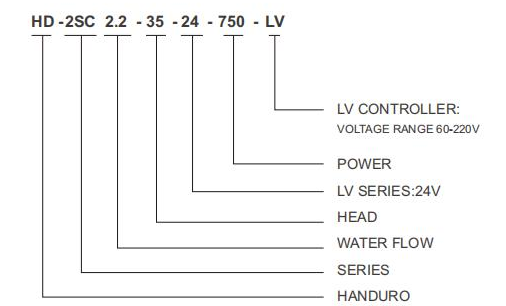
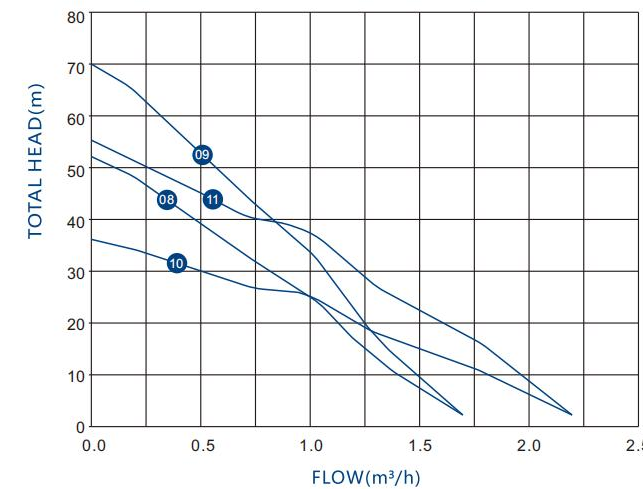
TECHNICAL DATA

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable
		Kw	Hp				
1	HD-2SS1.2-56-24-120-LV	0.12	0.16	1.2m³/h	56m	0.75"	1.5m
2	HD-2SS1.5-77-36-210-LV	0.21	0.28	1.5m³/h	77m	0.75"	1.5m
3	HD-2SS1.7-100-48-500-LV	0.5	0.67	1.7m³/h	100m	0.75"	1.5m

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable
		Kw	Hp				
4	HD-3SS1.2-56-24-120-LV	0.12	0.16	1.2m³/h	56m	0.75"	2m
5	HD-3SS1.2-77-36-210-LV	0.21	0.28	1.2m³/h	77m	0.75"	2m
6	HD-3SS1.7-109-48-500-LV	0.5	0.67	1.7m³/h	109m	0.75"	2m
7	HD-3SS2.0-150-72-750-LV	0.75	1	2.0m³/h	150m	0.75"	2m



MODEL DEFINITION

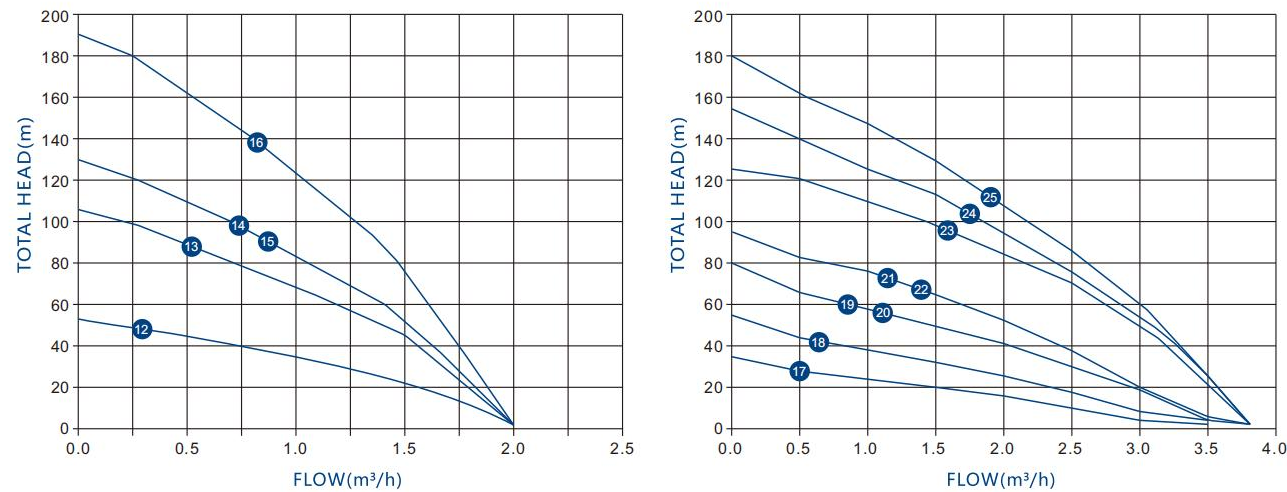


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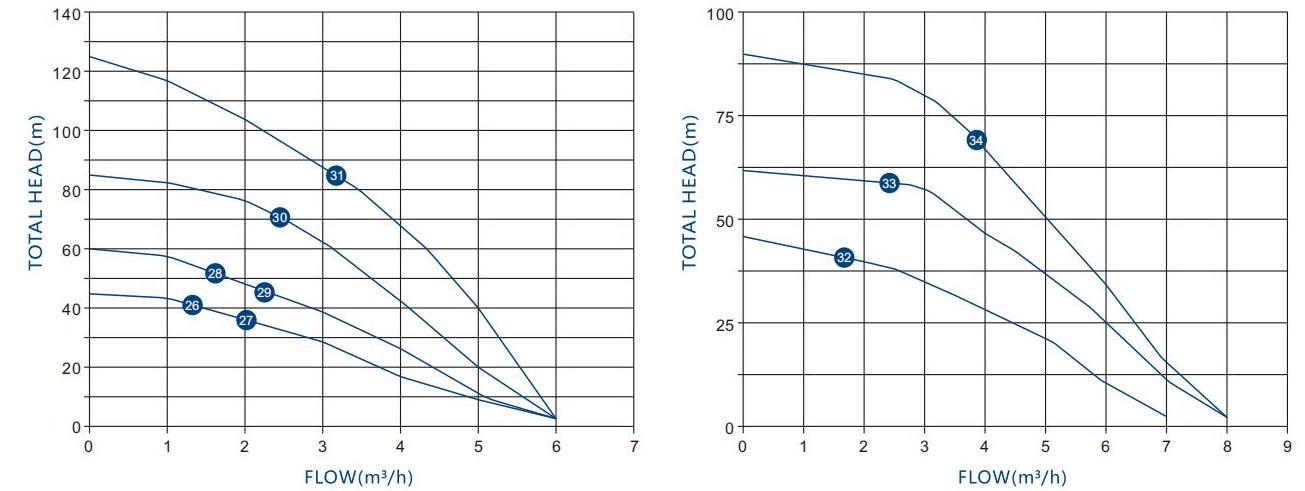
NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable
		Kw	Hp				
8	HD-2SC1.7-52-24-300-LV	0.3	0.4	1.7m³/h	52m	0.75"	1.5m
9	HD-2SC1.7-70-48-400-LV	0.4	0.55	1.7m³/h	70m	0.75"	1.5m
10	HD-2SC2.2-36-24-300-LV	0.3	0.4	2.2m³/h	36m	0.75"	1.5m
11	HD-2SC2.2-55-48-400-LV	0.4	0.55	2.2m³/h	55m	0.75"	1.5m



PERFORMANCE CURVES



PERFORMANCE CURVES

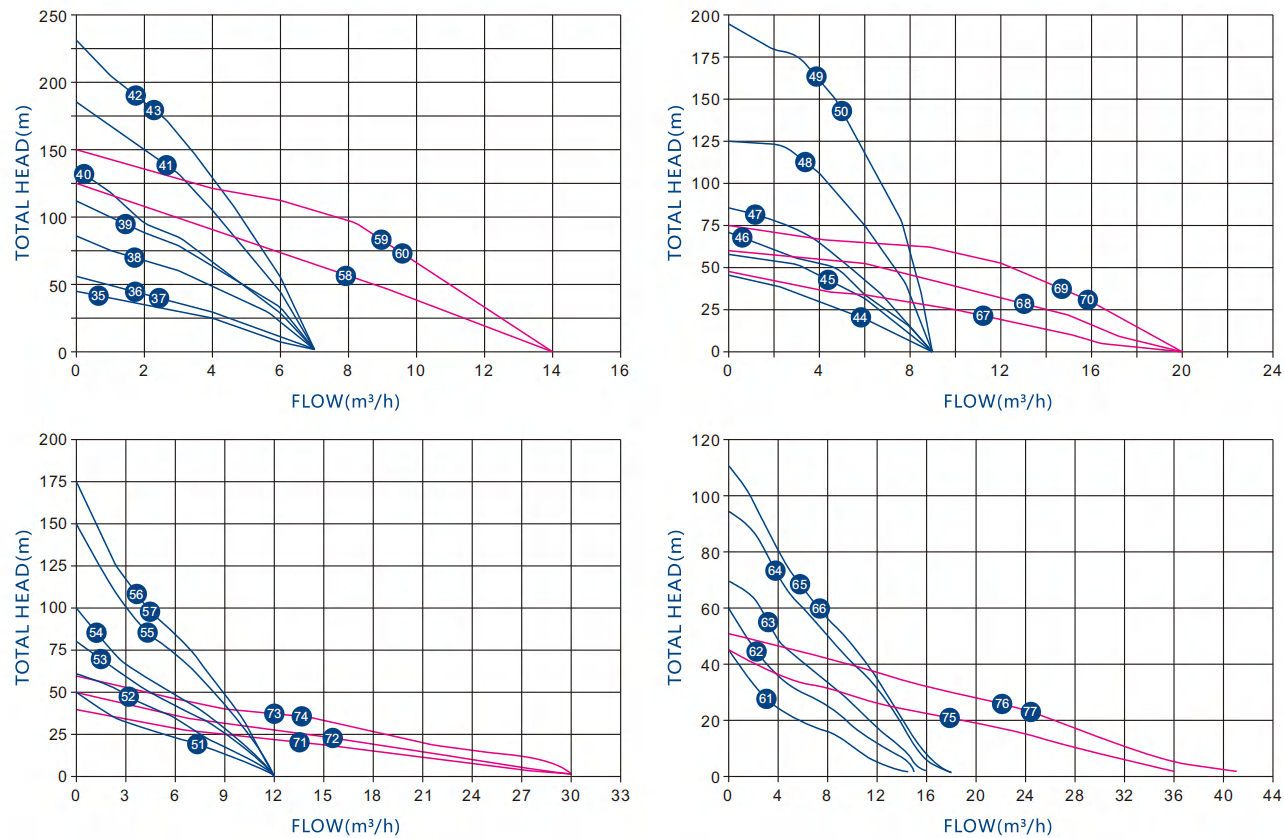


TECHNICAL DATA

NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable
		Kw	Hp				
12	HD-3SC2-53-24-300-LV	0.3	0.4	2m³/h	53m	1.25"	2m
13	HD-3SC2-105-48-600-LV	0.6	0.8	2m³/h	105m	1.25"	2m
14	HD-3SC2-130-48-750-LV	0.75	1	2m³/h	130m	1.25"	2m
15	HD-3SC2-130-72(96)-750-LV/(HV/AD)	0.75	1	2m³/h	130m	1.25"	2m
16	HD-3SC2-190-110(150)-1100-LV/(HV/AD)	1.1	1.5	2m³/h	190m	1.25"	2m
17	HD-3SC3.5-35-24-300-LV	0.3	0.4	3.5m³/h	35m	1.25"	2m
18	HD-3SC3.8-55-48-400-LV	0.4	0.55	3.8m³/h	55m	1.25"	2m
19	HD-3SC3.8-80-48-600-LV	0.6	0.8	3.8m³/h	80m	1.25"	2m
20	HD-3SC3.8-80-72-600-LV/AD	0.6	0.8	3.8m³/h	80m	1.25"	2m
21	HD-3SC3.8-95-48-750-LV/AD	0.75	1	3.8m³/h	95m	1.25"	2m
22	HD-3SC3.8-95-72(96)-750-LV/(HV/AD)	0.75	1	3.8m³/h	95m	1.25"	2m
23	HD-3SC3.8-125-110(150)-1100-LV/(HV/AD)	1.1	1.5	3.8m³/h	125m	1.25"	2m
24	HD-3SC3.8-155-110(170)-1300-LV/(HV/AD)	1.3	1.75	3.8m³/h	155m	1.25"	2m
25	HD-3SC3.8-180-110(180)-1500-LV/(HV/AD)	1.5	2	3.8m³/h	180m	1.25"	2m
26	HD-3SC6-45-48-600-LV	0.6	0.8	6.0m³/h	45m	1.25"/1.5"	2m
27	HD-3SC6-45-72-600-LV	0.6	0.8	6.0m³/h	45m	1.25"/1.5"	2m
28	HD-3SC6-60-48-750-LV	0.75	1	6.0m³/h	60m	1.25"/1.5"	2m
29	HD-3SC6-60-72(96)-750-LV/(HV/AD)	0.75	1	6.0m³/h	60m	1.25"/1.5"	2m
30	HD-3SC6-85-110(150)-1100-LV/(HV/AD)	1.1	1.5	6.0m³/h	85m	1.25"/1.5"	2m
31	HD-3SC6-125-110(180)-1500-LV/(HV/AD)	1.5	2	6.0m³/h	125m	1.25"/1.5"	2m
32	HD-3SC7-46-72(96)-750-LV/(HV/AD)	0.75	1	7.0m³/h	46m	1.5"	2m
33	HD-3SC8-62-110(150)-1100-LV/(HV/AD)	1.1	1.5	8.0m³/h	62m	1.5"	2m
34	HD-3SC8-90-110(180)-1500-LV/(HV/AD)	1.5	2	8.0m³/h	90m	1.5"	2m



PERFORMANCE CURVES

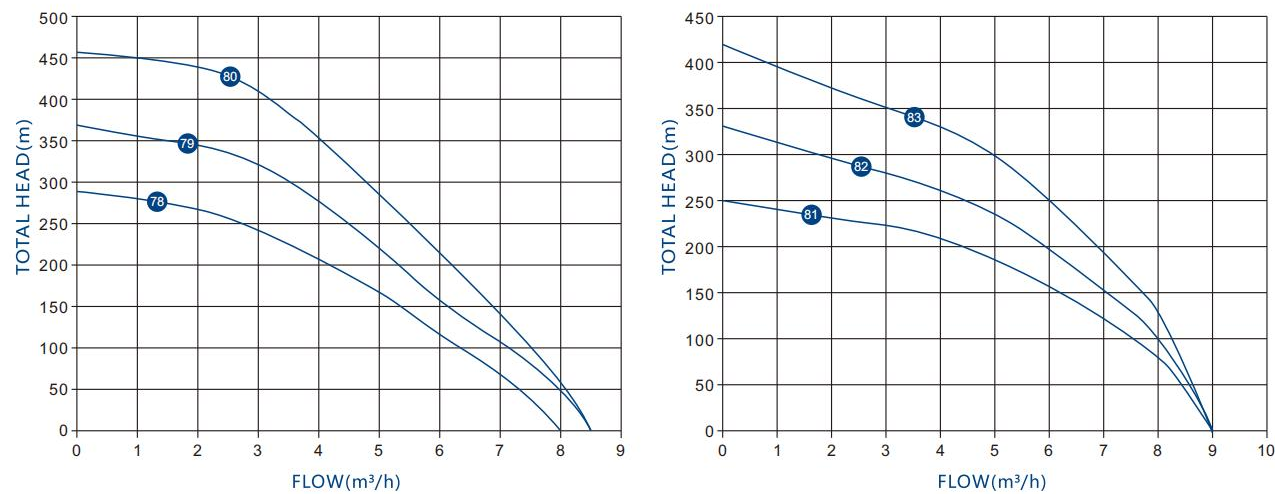


TECHNICAL DATA

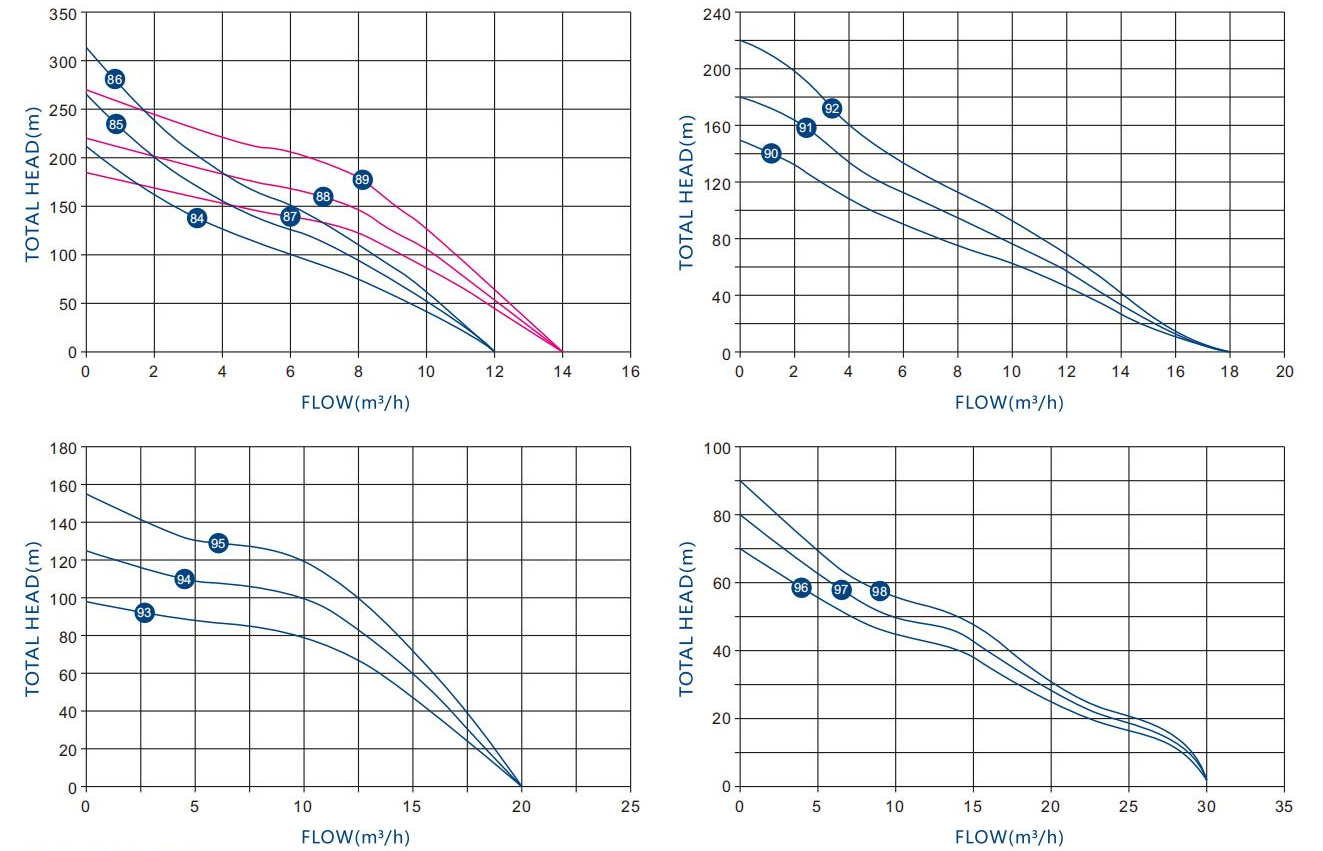
NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable
		Kw	Hp				
35	HD-4SC7-45-48-600-LV	0.6	0.8	7.0m³/h	45m	1.25"/1.5"/2"	2m
36	HD-4SC7-56-48-750-LV	0.75	1	7.0m³/h	56m	1.25"/1.5"/2"	2m
37	HD-4SC7-56-72(96)-750-LV/(HV/AD)	0.75	1	7.0m³/h	56m	1.25"/1.5"/2"	2m
38	HD-4SC7-86-110(150)-1100-LV/(HV/AD)	1.1	1.5	7.0m³/h	86m	1.25"/1.5"/2"	2m
39	HD-4SC7-112-110(170)-1300-LV/(HV/AD)	1.3	1.75	7.0m³/h	112m	1.25"/1.5"/2"	2m
40	HD-4SC7-135-110(180)-1500-LV/(HV/AD)	1.5	2	7.0m³/h	135m	1.25"/1.5"/2"	2m
41	HD-4SC7-185-280-2200-HV/(AD)	2.2	3	7.0m³/h	185m	1.25"/1.5"/2"	2m
42	HD-4SC7-230-300-3000-HV/(AD)	3	4	7.0m³/h	230m	1.25"/1.5"/2"	2m
43	HD-4SC7-230-380-3000-HV/(AD)	3	4	7.0m³/h	230m	1.25"/1.5"/2"	2m
44	HD-4SC9-45-72(96)-750-LV/(HV/AD)	0.75	1	9.0m³/h	45m	1.25"/1.5"/2"	2m
45	HD-4SC9-58-110(150)-1100-LV/(HV/AD)	1.1	1.5	9.0m³/h	58m	1.25"/1.5"/2"	2m
46	HD-4SC9-71-110(170)-1300-LV/(HV/AD)	1.3	1.75	9.0m³/h	71m	1.25"/1.5"/2"	2m
47	HD-4SC9-85-110(180)-1500-LV/(HV/AD)	1.5	2	9.0m³/h	85m	1.25"/1.5"/2"	2m
48	HD-4SC9-125-280-2200-HV/(AD)	2.2	3	9.0m³/h	125m	1.25"/1.5"/2"	2m
49	HD-4SC9-195-300-3000-HV/(AD)	3	4	9.0m³/h	195m	1.5"/2"	2m
50	HD-4SC9-195-530-3000-AD	3	4	9.0m³/h	195m	1.5"/2"	2m
51	HD-4SC12-50-72(96)-750-LV/(HV/AD)	0.75	1	12.0m³/h	50m	2"	2m
52	HD-4SC12-60-110(150)-1100-LV/(HV/AD)	1.1	1.5	12.0m³/h	60m	2"	2m
53	HD-4SC12-80-110(170)-1300-LV/(HV/AD)	1.3	1.75	12.0m³/h	80m	2"	2m
54	HD-4SC12-100-110(180)-1500-LV/(HV/AD)	1.5	2	12.0m³/h	100m	2"	2m
55	HD-4SC12-150-280-2200-HV/(AD)	2.2	3	12.0m³/h	150m	2"	2m
56	HD-4SC12-175-300-3000-HV/(AD)	3	4	12.0m³/h	175m	2"	2m
57	HD-4SC12-175-530-3000-AD	3	4	12.0m³/h	175m	2"	2m
58	HD-4SC14-125-280-2200-HV/(AD)	2.2	3	14.0m³/h	125m	2"	2m
59	HD-4SC14-150-300-3000-HV/(AD)	3	4	14.0m³/h	150m	2"	2m
60	HD-4SC14-150-530-3000-AD	3	4	14.0m³/h	150m	2"	2m
61	HD-4SC15-45-72(96)-750-LV/(HV/AD)	0.75	1	15.0m³/h	45m	2"	2m
62	HD-4SC15-60-110(150)-1100-LV/(HV/AD)	1.1	1.5	15.0m³/h	60m	2"	2m
63	HD-4SC16-70-110(180)-1500-LV/(HV/AD)	1.5	2	16.0m³/h	70m	2"	2m
64	HD-4SC18-95-280-2200-HV/(AD)	2.2	3	18.0m³/h	95m	2"	2m
65	HD-4SC18-112-300-3000-HV/(AD)	3	4	18.0m³/h	112m	2"	2m
66	HD-4SC18-112-530-3000-AD	3	4	18.0m³/h	112m	2"	2m
67	HD-4SC20-48-110(180)-1500-LV/(HV/AD)	1.5	2	20.0m³/h	48m	2"	2m
68	HD-4SC20-60-280-2200-HV/(AD)	2.2	3	20.0m³/h	60m	2"	2m
69	HD-4SC20-75-300-3000-HV/(AD)	3	4	20.0m³/h	75m	2"	2m
70	HD-4SC20-75-530-3000-AD	3	4	20.0m³/h	75m	2"	2m
71	HD-4SC30-40-180-1500-LV/(HV/AD)	1.5	2	30.0m³/h	40m	2"	2m
72	HD-4SC30-50-280-2200-HV/(AD)	2.2	3	30.0m³/h	50m	2"	2m
73	HD-4SC30-60-300-3000-HV/(AD)	3	4	30.0m³/h	60m	2"	2m
74	HD-4SC30-60-530-3000-AD	3	4	30.0m³/h	60m	2"	2m
75	HD-4SC36-45-280-2200-HV/(AD)	2.2	3	36.0m³/h	45m	3"	2m
76	HD-4SC41-52-300-3000-HV/(AD)	3	4	41.0m³/h	52m	3"	2m
77	HD-4SC41-52-530-3000-AD	3	4	41.0m³/h	52m	3"	2m



PERFORMANCE CURVES



PERFORMANCE CURVES

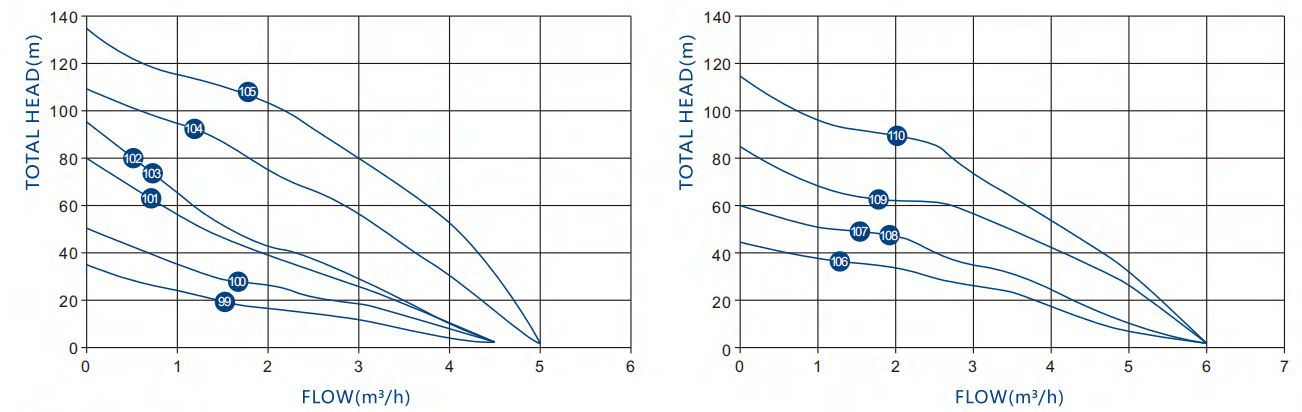


TECHNICAL DATA

NO.	Model	Voltage		Power		Max. Flow	Max. Head	Outlet (inch)	Cable
		AC Vol.	DC Vol.	Kw	HP				
78	HD-4SC8-290-530-4000-A/D	380V	530V	4	5.5	8.0m³/h	290m	1.25"/1.5"/2"	2m
79	HD-4SC8.5-370-530-5500-A/D	380V	530V	5.5	7.5	8.5m³/h	370m	1.25"/1.5"/2"	2m
80	HD-4SC8.5-456-530-7500-A/D	380V	530V	7.5	10	8.5m³/h	456m	1.25"/1.5"/2"	2m
81	HD-4SC9-250-530-4000-A/D	380V	530V	4	5.5	9.0m³/h	250m	1.5"/2"	2m
82	HD-4SC9-330-530-5500-A/D	380V	530V	5.5	7.5	9.0m³/h	330m	1.5"/2"	2m
83	HD-4SC9-420-530-7500-A/D	380V	530V	7.5	10	9.0m³/h	420m	1.5"/2"	2m
84	HD-4SC12-213-530-4000-A/D	380V	530V	4	5.5	12m³/h	213m	2"	2m
85	HD-4SC12-265-530-5500-A/D	380V	530V	5.5	7.5	12m³/h	265m	2"	2m
86	HD-4SC12-315-530-7500-A/D	380V	530V	7.5	10	12m³/h	315m	2"	2m
87	HD-4SC14-185-530-4000-A/D	380V	530V	4	5.5	14m³/h	185m	2"	2m
88	HD-4SC14-220-530-5500-A/D	380V	530V	5.5	7.5	14m³/h	220m	2"	2m
89	HD-4SC14-270-530-7500-A/D	380V	530V	7.5	10	14m³/h	270m	2"	2m
90	HD-4SC18-150-530-4000-A/D	380V	530V	4	5.5	18m³/h	150m	2"	2m
91	HD-4SC18-180-530-5500-A/D	380V	530V	5.5	7.5	18m³/h	180m	2"	2m
92	HD-4SC18-220-530-7500-A/D	380V	530V	7.5	10	18m³/h	220m	2"	2m
93	HD-4SC20-98-530-4000-A/D	380V	530V	4	5.5	20m³/h	98m	2"	2m
94	HD-4SC20-125-530-5500-A/D	380V	530V	5.5	7.5	20m³/h	125m	2"	2m
95	HD-4SC20-155-530-7500-A/D	380V	530V	7.5	10	20m³/h	155m	2"	2m
96	HD-4SC30-70-530-4000-A/D	380V	530V	4	5.5	30m³/h	70m	2"	2m
97	HD-4SC30-80-530-5500-A/D	380V	530V	5.5	7.5	30m³/h	80m	2"	2m
98	HD-4SC30-90-530-7500-A/D	380V	530V	7.5	10	30m³/h	90m	2"	2m



PERFORMANCE CURVES

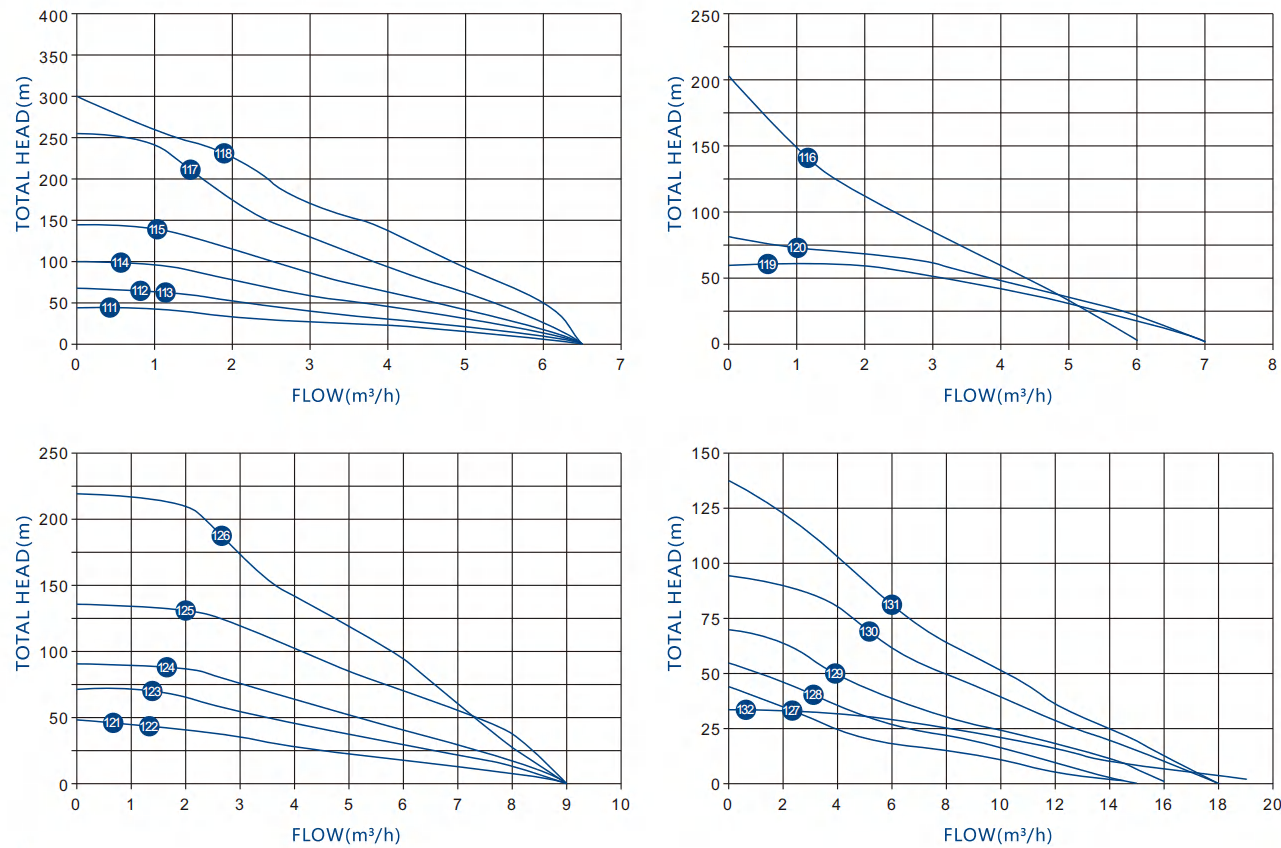


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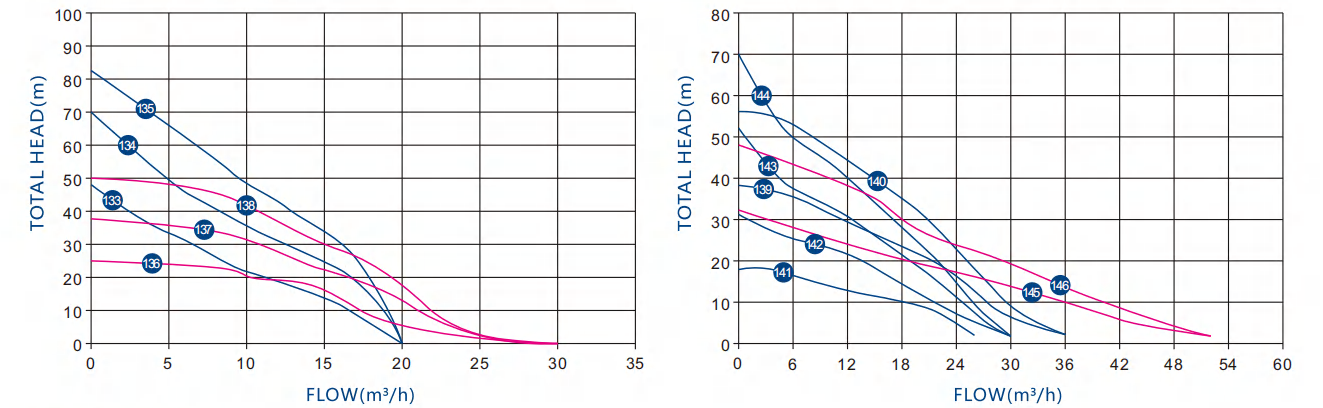
NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable
		Kw	Hp				
99	HD-3SSC4.5-35-24-300-LV	0.3	0.4	4.5m³/h	35m	1.25"	2m
100	HD-3SSC4.5-50-48-400-LV	0.4	0.55	4.5m³/h	50m	1.25"	2m
101	HD-3SSC4.5-80-48-600-LV	0.6	0.8	4.5m³/h	80m	1.25"	2m
102	HD-3SSC4.5-95-48-750-LV	0.75	1	4.5m³/h	95m	1.25"	2m
103	HD-3SSC4.5-95-72(96)-750-LV/(HV/AD)	0.75	1	4.5m³/h	95m	1.25"	2m
104	HD-3SSC5-110-110(150)-1100-LV/(HV/AD)	1.1	1.5	5.0m³/h	110m	1.25"	2m
105	HD-3SSC5-135-110(180)-1500-LV/(HV/AD)	1.5	2	5.0m³/h	135m	1.25"	2m
106	HD-3SSC6-44-48-600-LV	0.6	0.8	6.0m³/h	44m	1.25"	2m
107	HD-3SSC6-60-48-750-LV	0.75	1	6.0m³/h	60m	1.25"	2m
108	HD-3SSC6-60-72(96)-750-LV/(HV/AD)	0.75	1	6.0m³/h	60m	1.25"	2m
109	HD-3SSC6-85-110(150)-1100-LV/(HV/AD)	1.1	1.5	6.0m³/h	85m	1.25"	2m
110	HD-3SSC6-115-110(180)-1500-LV/(HV/AD)	1.5	2	6.0m³/h	115m	1.25"	2m



PERFORMANCE CURVES



PERFORMANCE CURVES

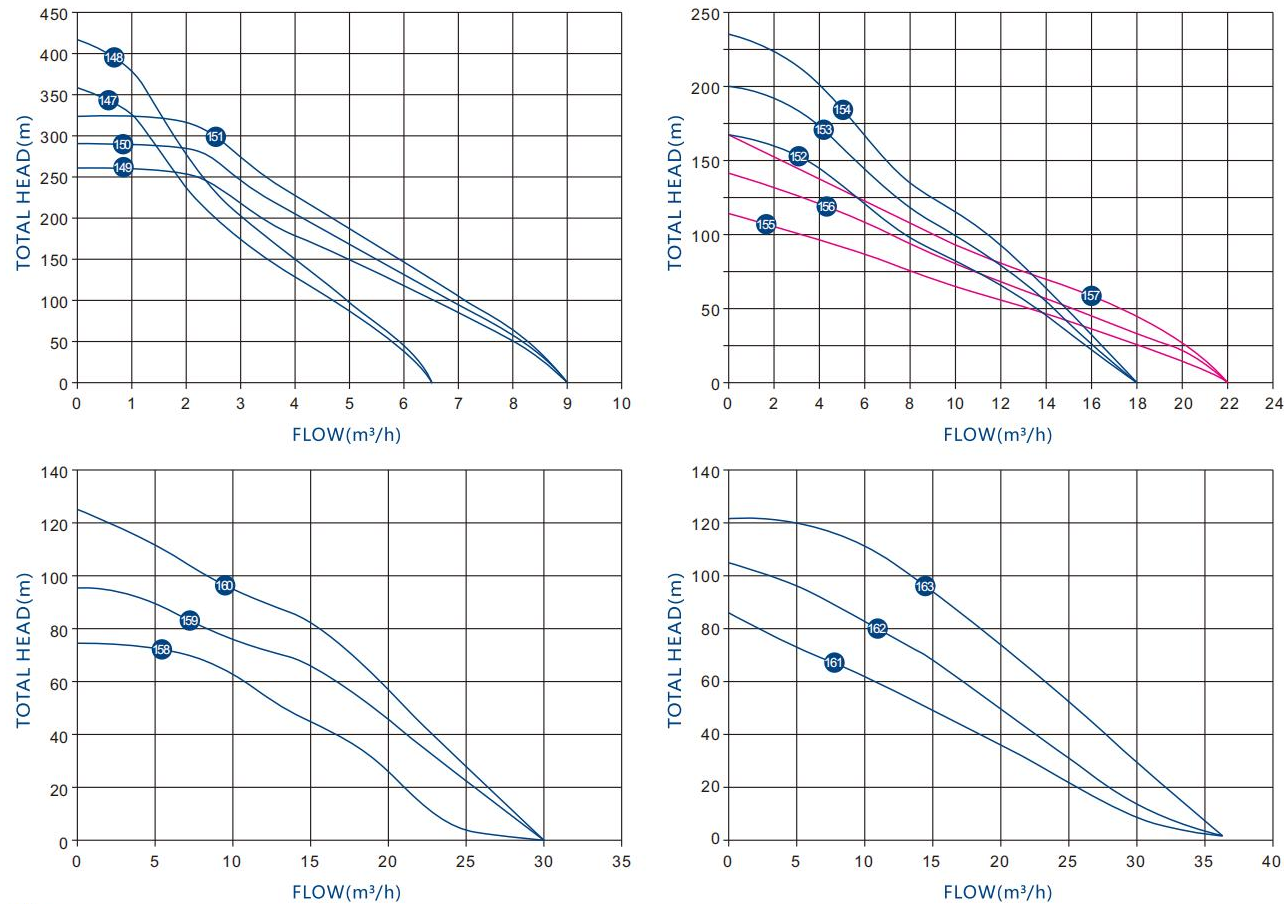


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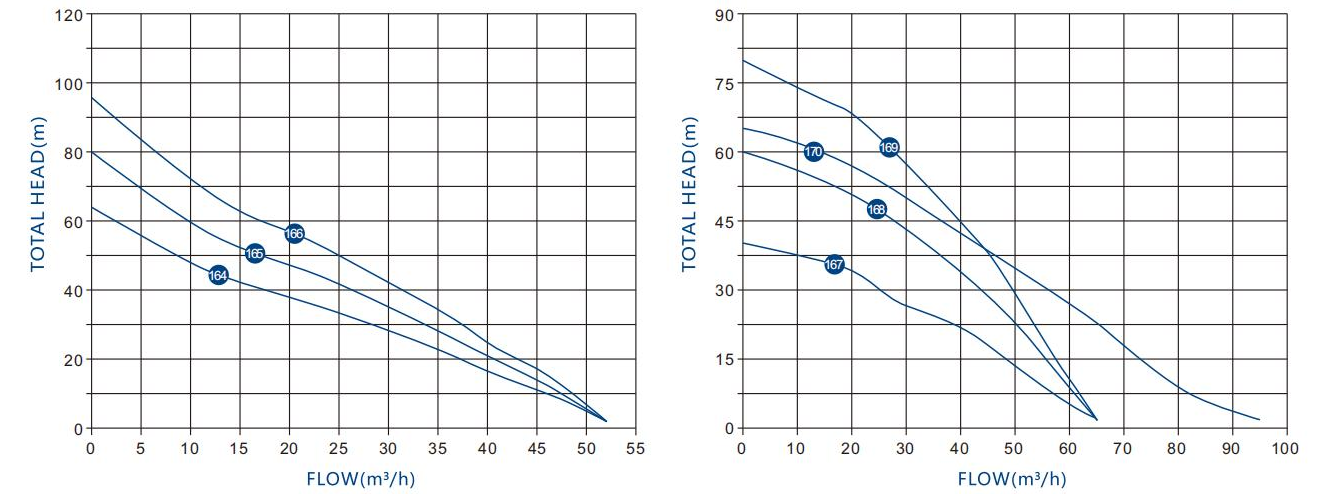
NO.	Model	Power		Max. Flow	Max. Head	Outlet (Inch)	Cable
		Kw	Hp				
111	HD-4SSC6.5-45-48-500-LV	0.5	0.7	6.5m³/h	45m	1.25"	2m
112	HD-4SSC6.5-67-48-750-LV	0.75	1	6.5m³/h	67m	1.25"	2m
113	HD-4SSC6.5-67-72(96)-750-LV/(HV/AD)	0.75	1	6.5m³/h	67m	1.25"	2m
114	HD-4SSC6.5-101-110(150)-1100-LV/(HV/AD)	1.1	1.5	6.5m³/h	101m	1.25"	2m
115	HD-4SSC6.5-146-110(170)-1300-LV/(HV/AD)	1.3	1.75	6.5m³/h	146m	1.25"	2m
116	HD-4SSC6-203-110(180)-1500-LV/(HV/AD)	1.5	2	6.0m³/h	203m	1.25"	2m
117	HD-4SSC6.5-255-280-2200-HV/(AD)	2.2	3	6.5m³/h	255m	1.25"	2m
118	HD-4SSC6.5-300-300-3000-HV/(AD)	3	4	6.5m³/h	300m	1.25"	2m
119	HD-4SSC7-60-72(96)-750-LV/(HV/AD)	0.75	1	7.0m³/h	60m	1.25"	2m
120	HD-4SSC7-80-110(150)-1100-LV/(HV/AD)	1.1	1.5	7.0m³/h	80m	1.25"	2m
121	HD-4SSC9-48-48-750-LV	0.75	1	9.0m³/h	48m	2"	2m
122	HD-4SSC9-48-72(96)-750-LV/(HV/AD)	0.75	1	9.0m³/h	48m	2"	2m
123	HD-4SSC9-70-110(150)-1100-LV/(HV/AD)	1.1	1.5	9.0m³/h	70m	2"	2m
124	HD-4SSC9-90-110(180)-1500-LV/(HV/AD)	1.5	2	9.0m³/h	90m	2"	2m
125	HD-4SSC9-135-280-2200-HV/(AD)	2.2	3	9.0m³/h	135m	2"	2m
126	HD-4SSC9-220-300-3000-HV/(AD)	3	4	9.0m³/h	220m	2"	2m
127	HD-4SSC14.5-45-72(96)-750-LV/(HV/AD)	0.75	1	14.5m³/h	45m	2"	2m
128	HD-4SSC15-55-110(150)-1100-LV/(HV/AD)	1.1	1.5	15.0m³/h	55m	2"	2m
129	HD-4SSC16-70-110(180)-1500-LV/(HV/AD)	1.5	2	16.0m³/h	70m	2"	2m
130	HD-4SSC18-95-280-2200-HV/(AD)	2.2	3	18.0m³/h	95m	2"	2m
131	HD-4SSC18-137-300-3000-HV/(AD)	3	4	18.0m³/h	137m	2"	2m
132	HD-4SSC19-35-110(150)-1100-LV/(HV/AD)	1.1	1.5	19.0m³/h	35m	2"	2m
133	HD-4SSC20-48-110(180)-1500-LV/(HV/AD)	1.5	2	20.0m³/h	48m	2"	2m
134	HD-4SSC20-70-280-2200-HV/(AD)	2.2	3	20.0m³/h	70m	2"	2m
135	HD-4SSC20-82-300-3000-HV/(AD)	3	4	20.0m³/h	82m	2"	2m
136	HD-4SSC25-25-110(180)-1500-LV/(HV/AD)	1.5	2	25.0m³/h	25m	2"	2m
137	HD-4SSC30-38-280-2200-HV/(AD)	2.2	3	30.0m³/h	38m	2"	2m
138	HD-4SSC30-50-300-3000-HV/(AD)	3	4	30.0m³/h	50m	2"	2m
139	HD-4/6SSC36-38-280-2200-HV/AD	2.2	3	36.0m³/h	38m	3"	2m
140	HD-4/6SSC36-56-300-3000-HV/AD	3	4	36.0m³/h	56m	3"	2m
141	HD-4/6SSC26-18-110(150)-1100-LV/(HV/AD)	1.1	1.5	26.0m³/h	18m	3"	2m
142	HD-4/6SSC30-31-110(180)-1500-LV/(HV/AD)	1.5	2	30.0m³/h	31m	3"	2m
143	HD-4/6SSC30-52-280-2200-HV/(AD)	2.2	3	30.0m³/h	52m	3"	2m
144	HD-4/6SSC30-70-300-3000-HV/(AD)	3	4	30.0m³/h	70m	3"	2m
145	HD-4/6SSC52-32-280-2200-HV/(AD)	2.2	3	52.0m³/h	32m	3"	2m
146	HD-4/6SSC52-48-300-3000-HV/(AD)	3	4	52.0m³/h	48m	3"	2m



PERFORMANCE CURVES



PERFORMANCE CURVES



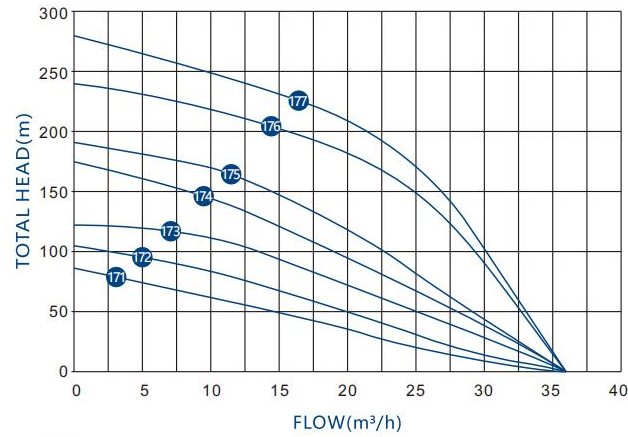
TECHNICAL DATA

NO.	Model	Voltage		Power		Max. Flow	Max. Head	Outlet (inch)	Cable
		AC Vol.	DC Vol.	Kw	HP				
147	HD-4SSC6.5-360-530-4000-A/D	380V	530V	4	5.5	6.5m³/h	360m	1.25"	2m
148	HD-4SSC6.5-420-530-5500-A/D	380V	530V	5.5	7.5	6.5m³/h	420m	1.25"	2m
149	HD-4SSC9-260-530-4000-A/D	380V	530V	4	5.5	9.0m³/h	260m	2"	2m
150	HD-4SSC9-295-530-5500-A/D	380V	530V	5.5	7.5	9.0m³/h	295m	2"	2m
151	HD-4SSC9-325-530-7500-A/D	380V	530V	7.5	10	9.0m³/h	325m	2"	2m
152	HD-4SSC18-168-530-4000-A/D	380V	530V	4	5.5	18m³/h	168m	2"	2m
153	HD-4SSC18-200-530-5500-A/D	380V	530V	5.5	7.5	18m³/h	200m	2"	2m
154	HD-4SSC18-235-530-7500-A/D	380V	530V	7.5	10	18m³/h	235m	2"	2m
155	HD-4SSC22-115-530-4000-A/D	380V	530V	4	5.5	22m³/h	115m	2"	2m
156	HD-4SSC22-143-530-5500-A/D	380V	530V	5.5	7.5	22m³/h	143m	2"	2m
157	HD-4SSC22-169-530-7500-A/D	380V	530V	7.5	10	22m³/h	169m	2"	2m
158	HD-4SSC30-75-530-4000-A/D	380V	530V	4	5.5	30m³/h	75m	2"	2m
159	HD-4SSC30-96-530-5500-A/D	380V	530V	5.5	7.5	30m³/h	96m	2"	2m
160	HD-4SSC30-125-530-7500-A/D	380V	530V	7.5	10	30m³/h	125m	2"	2m
161	HD-4/6SSC36-86-530-4000-A/D	380V	530V	4	5.5	36m³/h	86m	3"	2m
162	HD-4/6SSC36-105-530-5500-A/D	380V	530V	5.5	7.5	36m³/h	105m	3"	2m
163	HD-4/6SSC36-122-530-7500-A/D	380V	530V	7.5	10	36m³/h	122m	3"	2m
164	HD-4/6SSC52-64-530-4000-A/D	380V	530V	4	5.5	52m³/h	64m	3"	2m
165	HD-4/6SSC52-80-530-5500-A/D	380V	530V	5.5	7.5	52m³/h	80m	3"	2m
166	HD-4/6SSC52-96-530-7500-A/D	380V	530V	7.5	10	52m³/h	96m	3"	2m
167	HD-4/6SSC65-40-530-4000-A/D	380V	530V	4	5.5	65m³/h	40m	3"	2m
168	HD-4/6SSC65-60-530-5500-A/D	380V	530V	5.5	7.5	65m³/h	60m	3"	2m
169	HD-4/6SSC65-80-530-7500-A/D	380V	530V	7.5	10	65m³/h	80m	3"	2m
170	HD-4/6SSC95-65-530-7500-A/D	380V	530V	7.5	10	95m³/h	65m	3"	2m



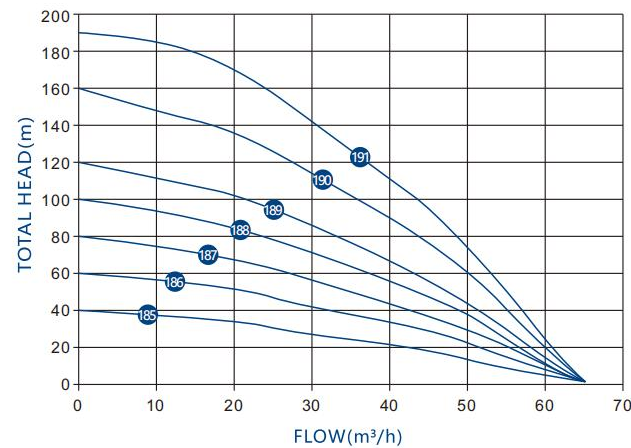
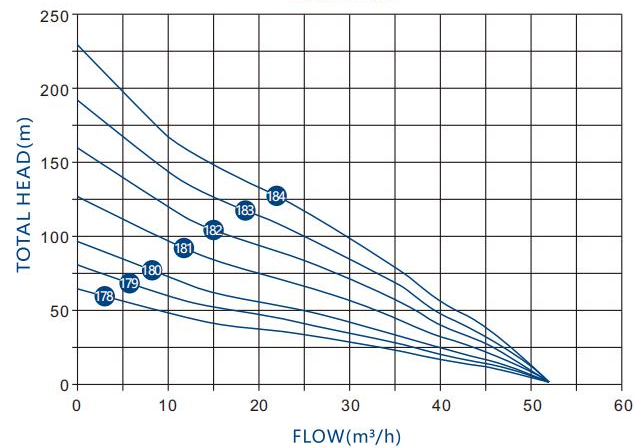
(SUPER CONTROLLER)

PERFORMANCE CURVES

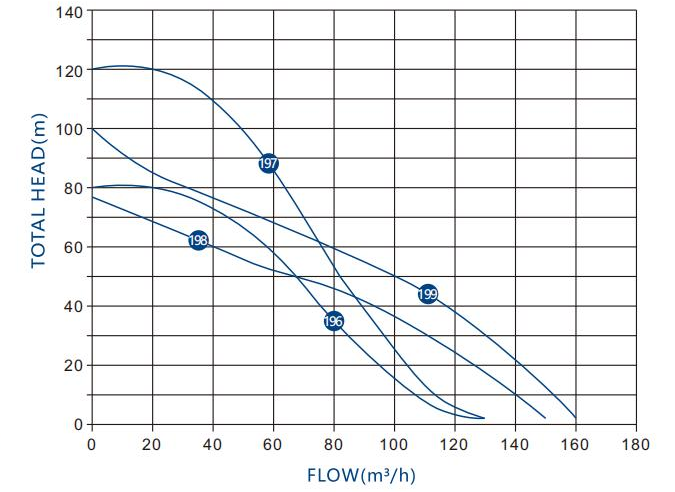
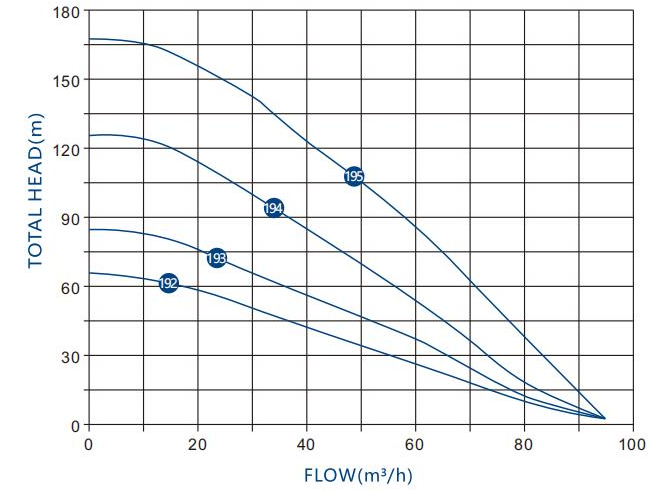


HD-6SSC 36-280-380-22000-A/D

AD CONTROLLER:
DC VOLTAGE RANGE:200-780V
AC VOLTAGE RANGE:260-480V
POWER
ACSERIES:380V
HEAD
WATER FLOW
SERIES
HANDURO



PERFORMANCE CURVES



TECHNICAL DATA

NO.	Model	Voltage		Power		Max. Flow	Max. Head	Outlet (inch)	Cable
		AC Vol.	DC Vol.	Kw	HP				
171	HD-6SSC36-88-530-4000-A/D	380V	530V	4	5.5	36m³/h	88m	3"	2m
172	HD-6SSC36-105-530-5500-A/D	380V	530V	5.5	7.5	36m³/h	105m	3"	2m
173	HD-6SSC36-122-530-7500-A/D	380V	530V	7.5	10	36m³/h	122m	3"	2m
174	HD-6SSC36-175-530-9200-A/D	380V	530V	9.2	12.5	36m³/h	175m	3"	2m
175	HD-6SSC36-190-530-11000-A/D	380V	530V	11	15	36m³/h	190m	3"	2m
176	HD-6SSC36-240-530-15000-A/D	380V	530V	15	20	36m³/h	240m	3"	2m
177	HD-6SSC36-280-530-22000-A/D	380V	530V	22	30	36m³/h	280m	3"	2m
178	HD-6SSC52-64-530-4000-A/D	380V	530V	4	5.5	52m³/h	64m	3"	2m
179	HD-6SSC52-80-530-5500-A/D	380V	530V	5.5	7.5	52m³/h	80m	3"	2m
180	HD-6SSC52-96-530-7500-A/D	380V	530V	7.5	10	52m³/h	96m	3"	2m
181	HD-6SSC52-128-530-9200-A/D	380V	530V	9.2	12.5	52m³/h	128m	3"	2m
182	HD-6SSC52-160-530-11000-A/D	380V	530V	11	15	52m³/h	160m	3"	2m
183	HD-6SSC52-192-530-15000-A/D	380V	530V	15	20	52m³/h	192m	3"	2m
184	HD-6SSC52-230-530-22000-A/D	380V	530V	22	30	52m³/h	230m	3"	2m
185	HD-6SSC65-40-530-4000-A/D	380V	530V	4	5.5	65m³/h	40m	3"	2m
186	HD-6SSC65-60-530-5500-A/D	380V	530V	5.5	7.5	65m³/h	60m	3"	2m
187	HD-6SSC65-80-530-7500-A/D	380V	530V	7.5	10	65m³/h	80m	3"	2m
188	HD-6SSC65-100-530-9200-A/D	380V	530V	9.2	12.5	65m³/h	100m	3"	2m
189	HD-6SSC65-120-530-11000-A/D	380V	530V	11	15	65m³/h	120m	3"	2m
190	HD-6SSC65-160-530-15000-A/D	380V	530V	15	20	65m³/h	160m	3"	2m
191	HD-6SSC65-190-530-22000-A/D	380V	530V	22	30	65m³/h	190m	3"	2m
192	HD-6SSC95-65-530-7500-A/D	380V	530V	7.5	10	95m³/h	65m	4"	2m
193	HD-6SSC95-85-530-11000-A/D	380V	530V	11	15	95m³/h	85m	4"	2m
194	HD-6SSC95-125-530-15000-A/D	380V	530V	15	20	95m³/h	125m	4"	2m
195	HD-6SSC95-166-530-22000-A/D	380V	530V	22	30	95m³/h	166m	4"	2m
196	HD-6SSC130-80-530-15000-A/D	380V	530V	15	20	130m³/h	80m	4"	2m
197	HD-6SSC130-120-530-22000-A/D	380V	530V	22	30	130m³/h	120m	4"	2m
198	HD-8SSC150-77-530-15000-A/D	380V	530V	15	20	150m³/h	77m	5"	2m
199	HD-8SSC160-100-530-22000-A/D	380V	530V	22	30	160m³/h	100m	5"	2m



HD-SQB



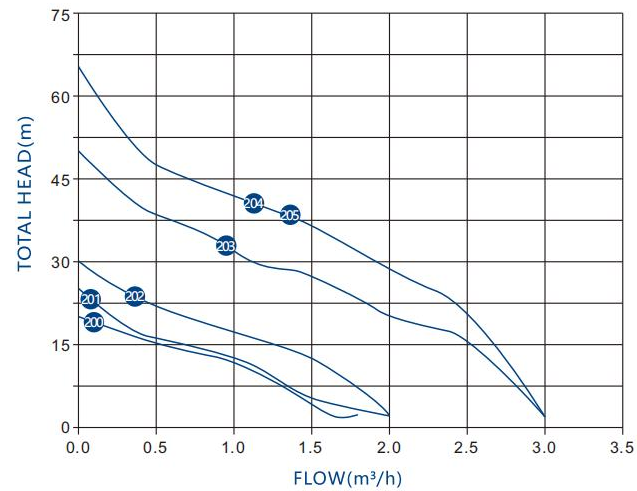
HD-SQB 3 - 65 - 72(96) - 750 - LV/(HV/AD)

- A/D CONTROLLER:
DC VOLTAGE RANGE:80-430V
AC VOLTAGE RANGE:80-280V(50/60Hz)
- HV CONTROLLER:
VOLTAGE RANGE 80-430V
- LV CONTROLLER:
VOLTAGE RANGE 60-220V
- POWER
- LV SERIES:72V
- HV(AD)SERIES:96V
- HEAD
- WATER FLOW
- SERIES
- HANOURO



(A/D CONTROLLER) (HV CONTROLLER) (LV CONTROLLER)

PERFORMANCE CURVES



TECHNICAL DATA

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable
		Kw	Hp				
200	HD-SQB1.8-20-18-180-(IN)	0.18	0.24	1.8m³/h	20m	1"	2m
201	HD-SQB2-25-24-210-LV/(IN)	0.21	0.28	2m³/h	25m	1"	2m
202	HD-SQB2-30-24-280-LV/(IN)	0.28	0.38	2m³/h	30m	1"	2m
203	HD-SQB3-50-48-550-LV/(IN)	0.55	0.75	3m³/h	50m	1"	2m
204	HD-SQB3-65-48-750-LV/(IN)	0.75	1	3m³/h	65m	1"	2m
205	HD-SQB3-65-72(96)-750-LV/(HV/AD)/(IN)	0.75	1	3m³/h	65m	1"	2m



HD-SSP



HD-SSP

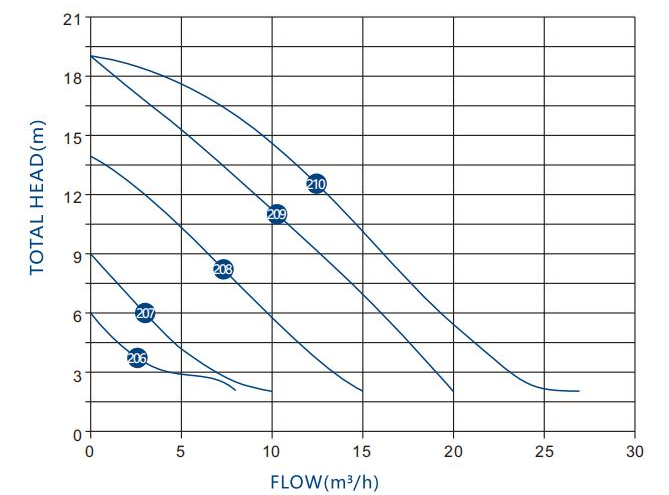
HD-SSP 20 - 19 - 72(96) - 750 - LV/(HV/AD)

- A/D CONTROLLER:
DC VOLTAGE RANGE:80-430V
AC VOLTAGE RANGE:80-280V(50/60Hz)
- HV CONTROLLER:
VOLTAGE RANGE 80-430V
- LV CONTROLLER:
VOLTAGE RANGE 60-220V
- POWER
- LV SERIES:72V
- HV(AD)SERIES:96V
- HEAD
- WATER FLOW
- SERIES
- HANOURO



(A/D CONTROLLER) (HV CONTROLLER) (LV CONTROLLER)

PERFORMANCE CURVES

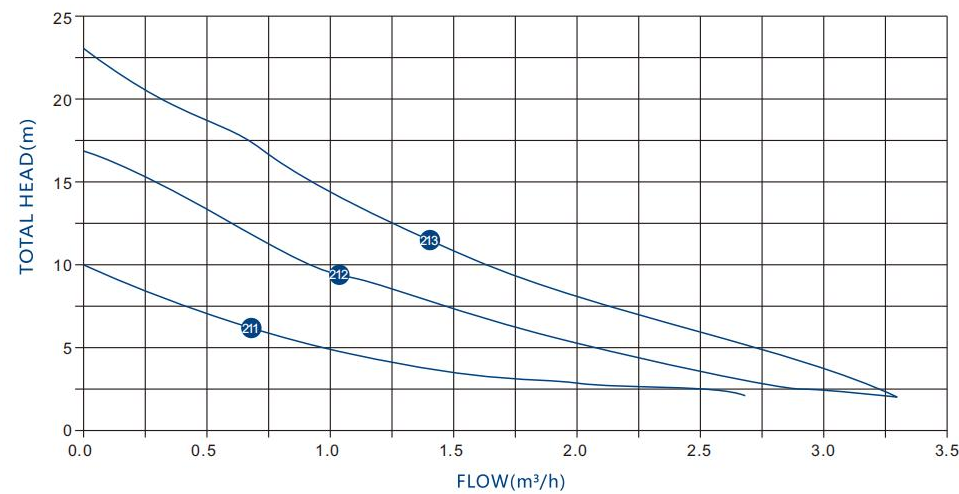


TECHNICAL DATA

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable
		Kw	Hp				
206	HD-SSP8-6-12-100-IN	0.1	0.13	8m³/h	6m	38x38(Hose)	2m
207	HD-SSP10-9-12-180-IN	0.18	0.24	10m³/h	9m	38x38(Hose)	2m
208	HD-SSP15-14-48-500-LV(IN)	0.5	0.7	15m³/h	14m	2"	2m
209	HD-SSP20-19-72(96)-LV(HV/AD)IN	0.9	1.2	20m³/h	19m	2"	2m
210	HD-SSP27-19-110(150)-1200-LV/(HV/AD)IN	1.2	1.6	27m³/h	19m	3"	2m



PERFORMANCE CURVES



TECHNICAL DATA

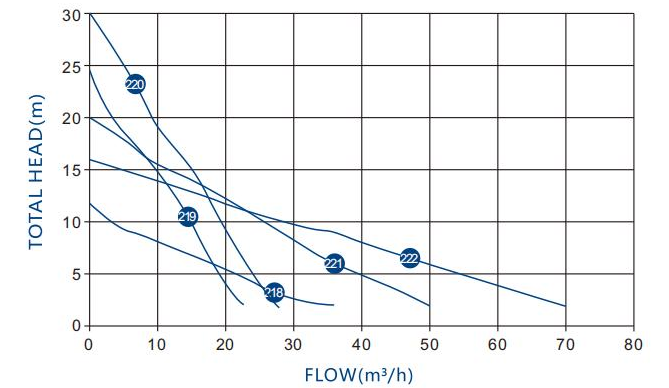
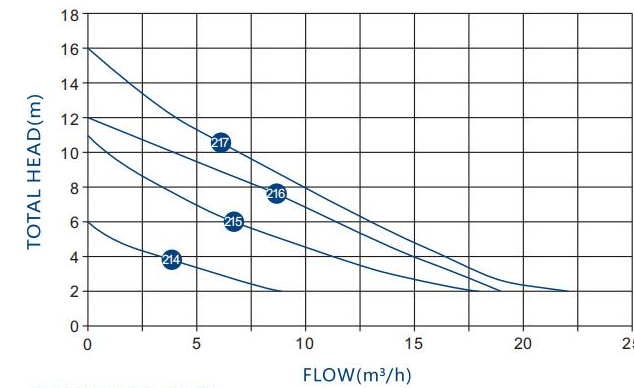
NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable
		Kw	Hp				
211	HD-SJ2.7-10-12-100-IN	0.1	0.13	2.7	10	1"	2m
212	HD-SJ3.3-17-18-200-IN	0.2	0.24	3.3	17	1"	2m
213	HD-SJ3.3-23-24-300-IN	0.3	0.4	3.3	23	1"	2m



HD-SWP

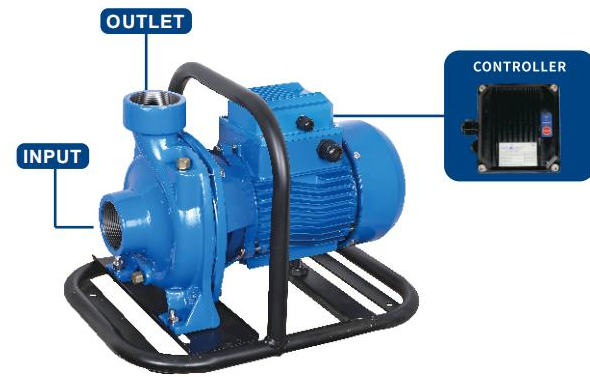


PERFORMANCE CURVES



TECHNICAL DATA

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable
		Kw	Hp				
214	HD-SWP9-6-24-300-IN	0.3	0.4	9m³/h	6m	1.5"	2m
215	HD-SWP18-11-48-600-IN	0.6	0.8	18m³/h	11m	2"	2m
216	HD-SWP19-12-72-750-IN	0.75	1	19m³/h	12m	2"	2m
217	HD-SWP22-16-110-1100-IN	1.1	1.5	22m³/h	16m	2"	2m
218	HD-SWP36-12-110-1100-IN	1.1	1.5	36m³/h	12m	3"	2m
219	HD-SWP23-25-110(180)-1500-LV/(HV/AD)	1.5	2	23m³/h	25m	2"	2m
220	HD-SWP28-30-280-2200-HV/(AD)	2.2	3	28m³/h	30m	2"	2m
221	HD-SWP50-20-280-2200-HV/(AD)	2.2	3	50m³/h	20m	3"	2m
222	HD-SWP70-16-280-2200-HV/(AD)	2.2	3	70m³/h	16m	4"	2m



HD-SCPM



HD-SCPM



(A/D CONTROLLER)

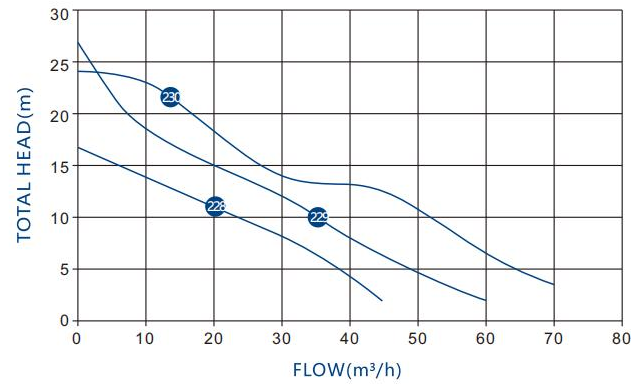
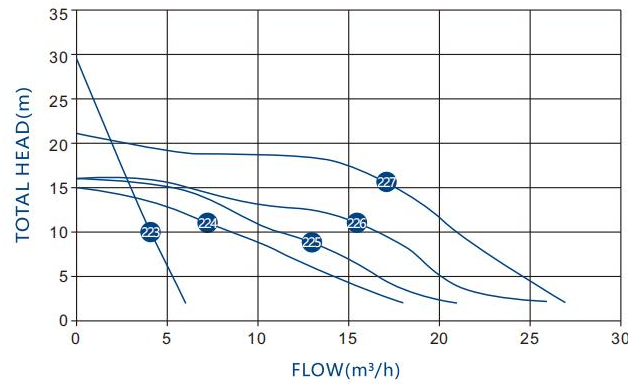


(HV CONTROLLER)



(LV CONTROLLER)

PERFORMANCE CURVES



TECHNICAL DATA

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable
		Kw	Hp				
223	HD-SCPM6-30-48-550-LV/(IN)	0.55	0.75	6m³/h	30m	1"	2m
224	HD-SCPM18-15-48-550-LV/(IN)	0.55	0.75	18m³/h	15m	2"	2m
225	HD-SCPM21-16-72(96)-750-LV/(HV/AD)/(IN)	0.75	1	21m³/h	16m	2"	2m
226	HD-SCPM26-16-110(150)-1100-LV/(HV/AD)/(IN)	1.1	1.5	26m³/h	16m	2"	2m
227	HD-SCPM27-21-110(180)-1500-LV/(HV/AD)	1.5	2	27m³/h	21m	2"	2m
228	HD-SCPM45-17-110(180)-1500-LV/(HV/AD)	1.5	2	45m³/h	17m	3"	2m
229	HD-SCPM60-27-280-2200-HV/(AD)	2.2	3	60m³/h	27m	3"	2m
230	HD-SCPM70-24-280-2200-HV/(AD)	2.2	3	70m³/h	24m	4"	2m

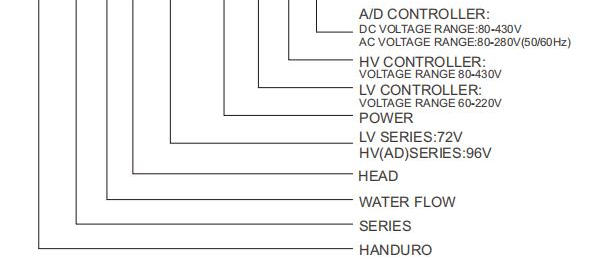


HD-SQD



HD-SQD(IN)

HD-SQD 17-27-72(96)-750-LV/(HV/AD)



(A/D CONTROLLER)

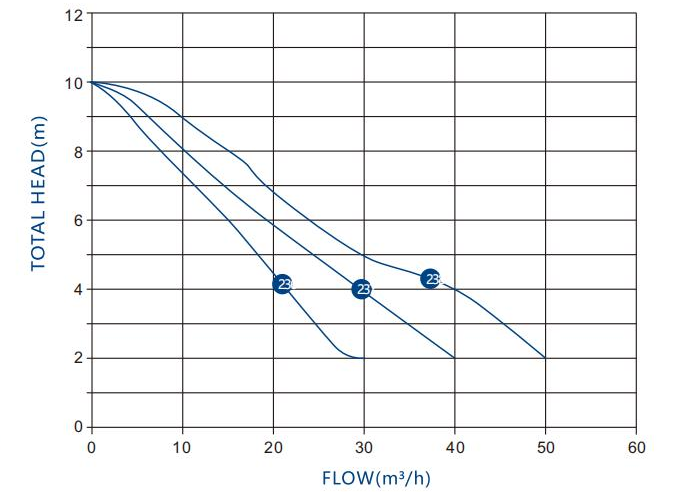
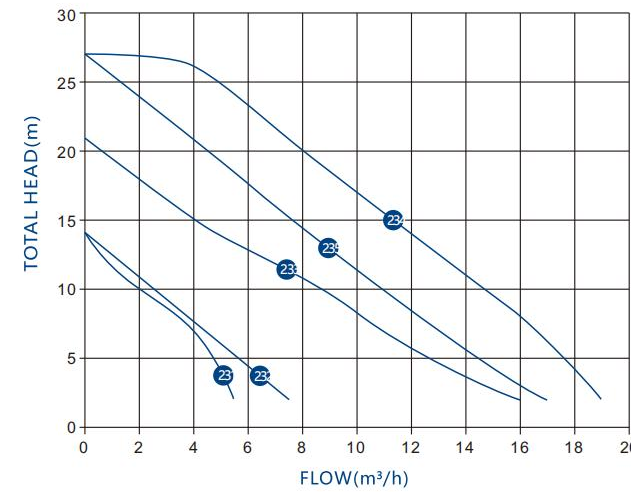


(HV CONTROLLER)



(LV CONTROLLER)

PERFORMANCE CURVES



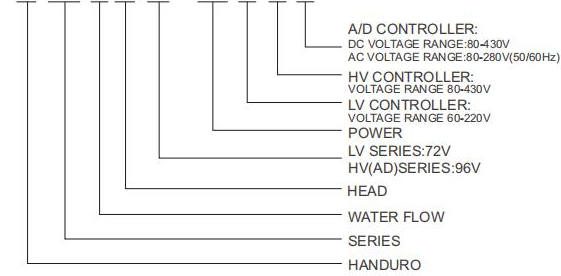
TECHNICAL DATA

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable
		Kw	Hp				
231	HD-SQD5.5-14-24-300-LV(IN)	0.3	0.4	5.5m³/h	14m	1"	5m
232	HD-SQD7.5-14-24-300-LV(IN)	0.3	0.4	7.5m³/h	14m	1.5"	5m
233	HD-SQD16-21-48-600-LV(IN)	0.6	0.8	16m³/h	21m	2"	5m
234	HD-SQD19-27-110(150)-1100-LV/(HV/AD)(IN)	1.1	1.5	19m³/h	27m	2"	5m
235	HD-SQD17-27-72(96)-750-LV/(HV/AD)(IN)	1.3	1.75	17m³/h	27m	2"	5m
236	HD-SQD30-10-72(96)-750-LV/(HV/AD)	0.75	1	30m³/h	10m	3"	5m
237	HD-SQD40-10-110(150)-1100-LV/(HV/AD)	1.1	1.5	40m³/h	10m	3"	5m
238	HD-SQD50-10-110(180)-1500-LV/(HV/AD)	1.5	2	50m³/h	10m	3"	5m



HD-SWQD

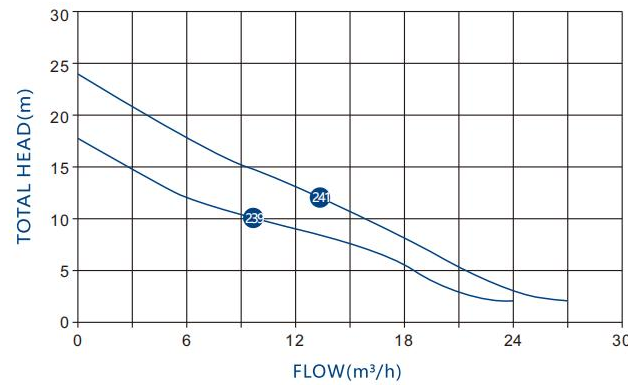
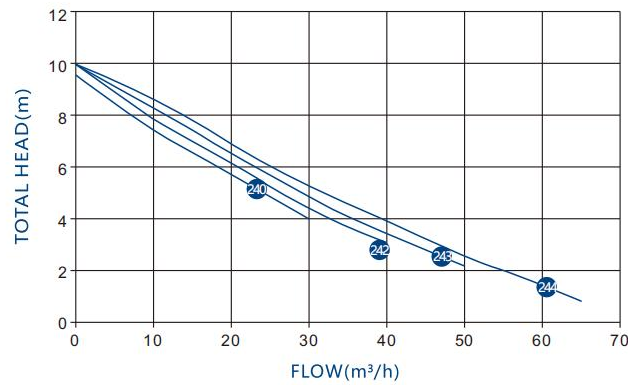
HD-SWQD17-27-72(96) - 750 - LV/(HV/AD)



(A/D CONTROLLER) (HV CONTROLLER) (LV CONTROLLER)

A/D CONTROLLER:
DC VOLTAGE RANGE:80-430V
AC VOLTAGE RANGE:80-280V(50/60Hz)
HV CONTROLLER:
VOLTAGE RANGE 80-430V
LV CONTROLLER:
VOLTAGE RANGE 60-220V
POWER
LV SERIES:72V
HV(AD)SERIES:96V
HEAD
WATER FLOW
SERIES
HANOURO

PERFORMANCE CURVES



TECHNICAL DATA

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable
		Kw	Hp				
239	HD-SWQD24-18-72(96)-750-LV(HV/AD)	0.75	1	24m³/h	18m	2"	5m
240	HD-SWQD30-9-72(96)-750-LV(HV/AD)	0.75	1	30m³/h	9m	3"	5m
241	HD-SWQD27-24-110(150)-1100-LV(HV/AD)	1.1	1.5	27m³/h	24m	2"	5m
242	HD-SWQD40-10-110(150)-1100-LV(HV/AD)	1.1	1.5	40m³/h	10m	3"	5m
243	HD-SWQD50-10-110(180)-1500-LV(HV/AD)	1.5	2	50m³/h	10m	3"	5m
244	HD-SWQD65-10-280-2200-HV/(AD)	2.2	3	65m³/h	10m	4"	5m



(A/D CONTROLLER) (HV CONTROLLER) (LV CONTROLLER)

TECHNICAL DATA

NO.	Model	Power		Max. Flow	Max. Head	Outlet (inch)	Cable
		Kw	Hp				
245	HD-SA27-5-72(96)-750-LV(HV/AD)	0.75	1	27m³/h	5m	3"	2m
246	HD-SA32-7-110(150)-1100-LV(HV/AD)	1.1	1.5	32m³/h	7m	3"	2m
247	HD-SA43-7-110(180)-1500-LV(HV/AD)	1.5	2	43m³/h	7m	3"	2m
248	HD-SA60-5-280-2200-HV/(AD)	2.2	3	60m³/h	5m	4"	2m



Solar Aerator



Solar Paddle Wheel Aerator

TECHNICAL DATA

NO.	Model	Power		Oxygenation rate	Covering Area (m²)	QTY of impeller	Cable
		Kw	Hp				
249	HD-SWA-110(180)-1500-LV(HV/AD)	1.5	2	≥ 1.1	2000-6000	4	2m
250	HD-SWA-280-2200-HV/(AD)	2.2	3	≥ 1.5	2665-8000	6	2m



Solar Impeller Aerator

TECHNICAL DATA

NO.	ITEM	Voltage	P ₂		Oxygenation rate (kg/h)	Covering Area(m²)	Solar Panel	
			KW	HP			open voltage	power
251	HD-SIA-110-1500	110V	1.5	2	≥ 1.6	2000-4000	<210V	≥2000W

NO.	ITEM	AC Voltage	DC Voltage	P ₂		Oxygenation rate (kg/h)	Covering Area(m²)	Solar Panel	
				KW	HP			open voltage	power
252	HD-SIA-200-1500-A/D	110V-240V	60V-430V	1.5	2	≥ 1.6	2000-4000	<430V	≥ 2000W
253	HD-SIA-300-2200-A/D	180V-240V	60V-430V	2.2	3	≥ 1.8	2665-5320	<430V	≥ 3000W
254	HD-SIA-380-3000-A/D	350V-460V	60V-430V	3	4	≥ 4.5	2665-5328	<800V	≥ 4000W

TECHNICAL DATA

NO.	ITEM	Voltage	P ₂		Oxygenation rate (kg/h)	Covering Area(m²)	Solar Panel	
			KW	HP			open voltage	power
255	HD-SPQ-110-1100	110V	1.1	1.5	≥ 1.1	2000-3500	<210V	≥ 1500W
256	HD-SPQ-110-1500	110V	1.5	2	≥ 1.5	3500-5500	<210V	≥ 2000W



Steam explosion

NO.	ITEM	AC Voltage	DC Voltage	P ₂		Oxygenation rate (kg/h)	Covering Area(m²)	Solar Panel	
				KW	HP			open voltage	power
257	HD-SPQ-150-1100-A/D	110V-240V	60V-430V	1.1	1.5	≥ 1.1	2000-3500	<430V	≥ 1500W
258	HD-SPQ-200-1500-A/D	110V-240V	60V-430V	1.5	2	≥ 1.5	3500-5500	<430V	≥ 2000W
259	HD-SPQ-300-2200-A/D	180V-240V	60V-430V	2.2	3	≥ 3.0	5500-8000	<430V	≥ 3000W

SOLAR CONTROLLER

		
(LV CONTROLLER)	(SUPER CONTROLLER)	(HV CONTROLLER)
		
(LV CONTROLLER)	(HYBIRD CONTROLLER)	(A/D CONTROLLER)

CONTROLLER AND PUMP MATACHING METHOD

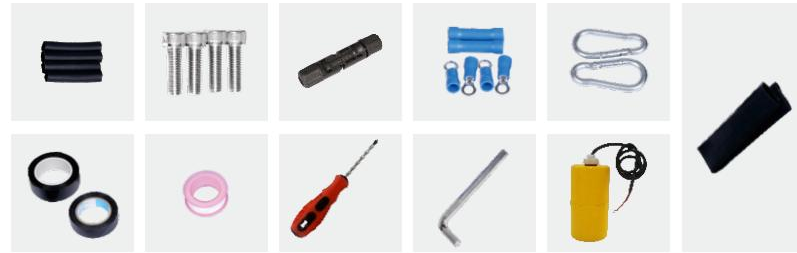
CONTROLLER TYPE	Adaptable Pump	Max.Input Current(A)	Max.Open Circuit Voltage(V)	AC Voltage(V)	MPPT Voltage Range(V)	Working Temperature °C	Voltage range (V)
HD-24	Rated 24V	18	<60	/	30-48	-15~60	18-60
HD-36	Rated 36V	18	<60	/	30-48	-15~60	18-60
HD-48	Rated 48V	18	<110	/	60-90	-15~60	30-110
HD-72	Rated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

SOLAR PANEL PARAMETER

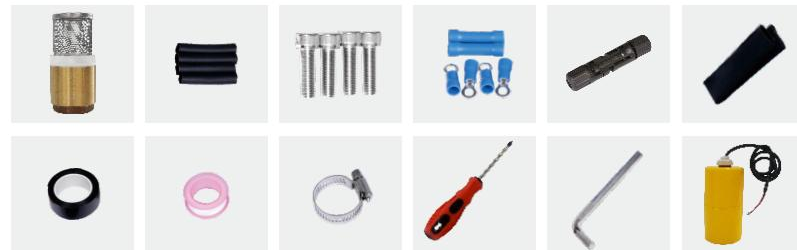
Control box Type	MODEL	375W		410W		450W		550W		control box parameter			
		Working Voltage	Open Voltage	Working Voltage	Open Voltage	Working Voltage	Open Voltage	Working Voltage	Open Voltage	Best Working Voltage	Open Voltage		
		34.20V	41.50V	38.6V	46.4V	41V	49V	41.80V	49.75V				
DC Type	750W-72V	3 pcs in series		3 pcs in series		3 pcs in series		3 pcs in series		90V-120V	<170V		
	900W-72V	3 pcs in series		3 pcs in series		3 pcs in series		3 pcs in series		90V-120V	<170V		
	1100W-110V	4 pcs in series		4 pcs in series		4 pcs in series		3 pcs in series		110V-150V	<210V		
	1200W-110V	total 8pcs, 4pcs in series and in 2 parallels		4 pcs in series		4 pcs in series		4 pcs in series		110V-150V		<210V	
	1300W-110V												
1500W-110V	total 8pcs, 4pcs in series and in 2 parallels		total 8pcs, 4pcs in series and in 2 parallels		total 8pcs, 4pcs in series and in 2 parallels		4 pcs in series		110V-150V	<210V			
HV&AC/DC Type	750W-110V	3 or 4 pcs in series		3 pcs in series		3 pcs in series		3 pcs in series		110V-130V	<430V		
	1100W-150V	5 or 6 pcs in series		4 pcs in series		4 pcs in series		4 pcs in series		150V-180V	<430V		
	1500W-200V	6 or 7 pcs in serie		5 or 6 pcs in series		5 or 6 pcs in series		5 pcs in series		200V-220V	<430V		
	2200W-300V	8 or 9 pcs in series		8 pcs in serie		7 or 8 pcs in serie		7 pcs in series		280V-320V	<430V		
AC/DC (INVERTER TYPE)	750W-220V	7 or 8 pcs in serie		7 or 8 pcs in serie		7 or 8 pcs in serie		7 or 8 pcs in serie		280V-320V	<450V		
	1100W-220V	7 or 8 pcs in serie		7 or 8 pcs in serie		7 or 8 pcs in serie		7 or 8 pcs in serie		280V-320V	<450V		
	1500W-220V	7 or 8 pcs in serie		7 or 8 pcs in serie		7 or 8 pcs in serie		7 or 8 pcs in serie		280V-320V	<450V		
	2200W-220V	8 or 9 pcs in series		8 pcs in serie		7 pcs in series		7 pcs in series		280V-320V	<450V		
	2200W-380V	14 pcs in series		12 pcs in series		12 pcs in series		12 pcs in series		480V-530V	<800V		
	3000W-380V	15 pcs in series		13 pcs in series		12 pcs in series		12 pcs in series		480V-530V	<800V		
	4000W-380V	15 pcs in series		13 pcs in series		12 pcs in series		12 pcs in series		480V-530V	<800V		
	5500W-380V	total 28pcs, 14pcs in series and in 2 parallels		total 26pcs, 13pcs in series and in 2 parallels		total 24pcs, 12pcs in series and in 2 parallels		13 pcs in series		480V-530V	<800V		
	7500W-380V	total 30pcs, 15pcs in series and in 2 parallels		total 26pcs, 13pcs in series and in 2 parallels		total 24pcs, 12pcs in series and in 2 parallels		total 24pcs, 12pcs in series and in 2 parallels		480V-530V	<800V		
	9200W-380V	total 42pcs, 14pcs in series and in 3 parallels		total 39pcs, 13pcs in series and in 3 parallels		total 26pcs, 13pcs in series and in 2 parallels		total 24pcs, 12pcs in series and in 2 parallels		480V-530V	<800V		
	11KW-380V	total 48pcs, 16pcs in series and in 3 parallels		total 39pcs, 13pcs in series and in 3 parallels		total 36pcs, 12pcs in series and in 3 parallels		total 26pcs, 13pcs in series and in 2 parallels		480V-530V	<800V		
	15KW-380V	total 60pcs, 15pcs in series and in 4 parallels		total 52pcs, 13pcs in series and in 4 parallels		total 48pcs, 12pcs in series and in 4 parallels		total 36pcs, 12pcs in series and in 3 parallels		480V-530V	<800V		



FREE ACCESSORIES



FREE ACCESSORIES



FREE ACCESSORIES

