

# China's #1 Most Trusted solar-powered water pump



YUTUO SUN ENERGY TECHNOLOGIES CO., LIMITED

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## Excellent Quality

With consistent outstanding quality,  
offer customer best reliability product!



## Functions And Efficiency

The most perfect function and the highest  
efficiency



## Internal



## External



## Catalog

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4SPW/N 2-13P	2HP	4SPW/N 5-12	2.5HP	88
4SPW/N 2-17P	3HP	4SPW/N 5-15	3HP	89
4SPW/N 3-3P	0.5HP	4SPW/N 8-4	1.5HP	90
4SPW/N 3-5P	0.75HP	4SPW/N 8-5	2HP	91
4SPW/N 3-7P	1HP	4SPW/N 8-7	2.5HP	92
4SPW/N 3-9P	1.5HP	4SPW/N 8-8	3HP	93
4SPW/N 3-11P	2HP	4SPW/N 14-2	2HP	94
4SPW/N 3-12P	2.5HP	4SPW/N 14-3	2.5HP	95
4SPW/N 3-15P	3HP	4SPW/N 14-4	3HP	96
4SPW/N 4-2P	0.3HP	5SPW/N 10-3	3HP	97
4SPW/N 4-3P	0.5HP	5SPW/N 15-2	3HP	98
4SPW/N 4-4P	0.75HP	5SPW/N 20-1	2.5HP	99
4SPW/N 4-6P	1HP	5SPW/N 20-2	3HP	100
4SPW/N 4-8P	1.5HP	5SPW/N 25-1	2.5HP	101
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4SPW/N 8-7P	2.5HP			
4SPW/N 8-9P	3HP			

# Patent



## Features&Advantages

YUTUO SUN economic DC pump system ,offer the most economic system for farmers, Based on strong technical strength . As the the first one and the most advanced factory who design and manufacture AC/DC built-in electrical solar pump ,we should say we are china's #1 most trusted solar-powered water pump,there have internal controller and external controller two options .

### The perfect function including

- Double Shielded motor, brushless, permanent magnet motor.
- Encapsulated water filled ,thrust bearing motor
- High Efficiency MPPT
- User self-design control model, automatic running
- Tank water level control
- well water level control
- Dry-running protection
- Over-current protection
- Over-voltage Protection
- Over-power protection
- Over-load protective
- Reverse protection
- Lighting and surge protection
- Over temperature protection
- GPRS RMS function (Optional)
- Voltage /current/power/RPM/ controller temperature display (external controller models )
- Error report(external controller models )
- Two year warranty

YUTUO SUN love farmers ,farmers also love YUTUO SUN,When we see the happy smile of farmers from all of the world , it is the most gratifying moment for us,no one customer abandon us because quality reason till now , have no one customer leave us because feeling be cheeated till now also ,please do not confuse in pump model selection ,we have software help you find a perfect pump for you ,just share where are you and how much water you need . YUTUO SUN always help farmers make dream systems .

## Q&A

### Question:Why YUTUO SUN solar pump use frequency converter

**Answer:**variable frequency motor will actively change their speed according the all time changing power which provided by solar panels ,Perfect combination with MPPT, ultra-frequency operation,make sure absorb above 95% power provided by panels . Improve customer return on investment  
The traditional AC motor only get maximum speed is 2850RPM,and it only could passively discharge according the voltage,not according power . efficiency will low.

### Question:Why YUTUO SUN solar pump use shield motor

**Answer:**shield design make the mechanical seal is unnecessary, avoiding the risk of mechanical seal leakage because of mechanical seal wear and tear. Avoiding the reduce of efficiency because of mechanical seal friction also ,at the same time ,wet rotor cooling better.

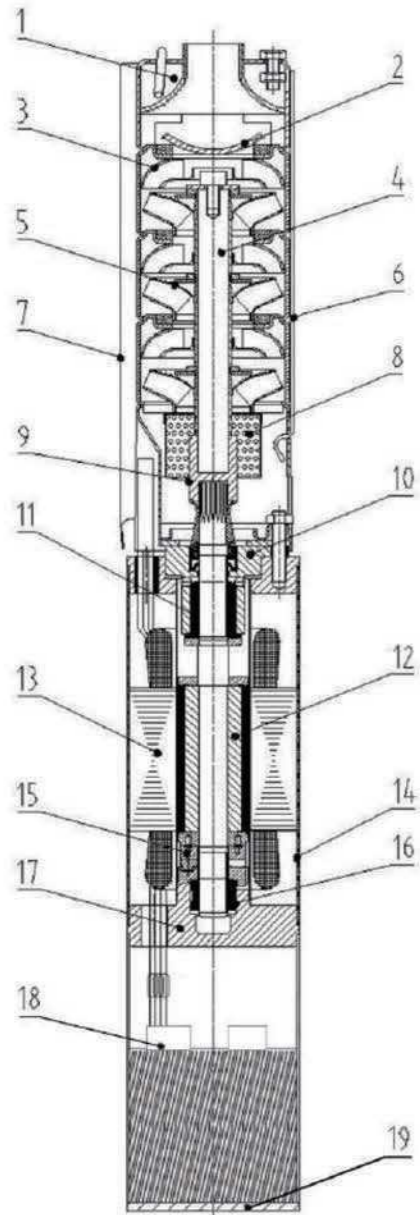
### Question:Why YUTUO SUN solar pump use Permanent Magnet motor not AC motor

**Answer:**Our magnetic field of permanent magnet motor is provided by permanent magnet themself (rare earth) ,have not any lose of efficiency  
While traditional AC motor's magnetic field is provided by rotation of rotor and stator,so part of input power be used to generate magnetic field,reduce efficiency

### Question:Why YUTUO SUN solar pump use BLDC motor not brush DC motor

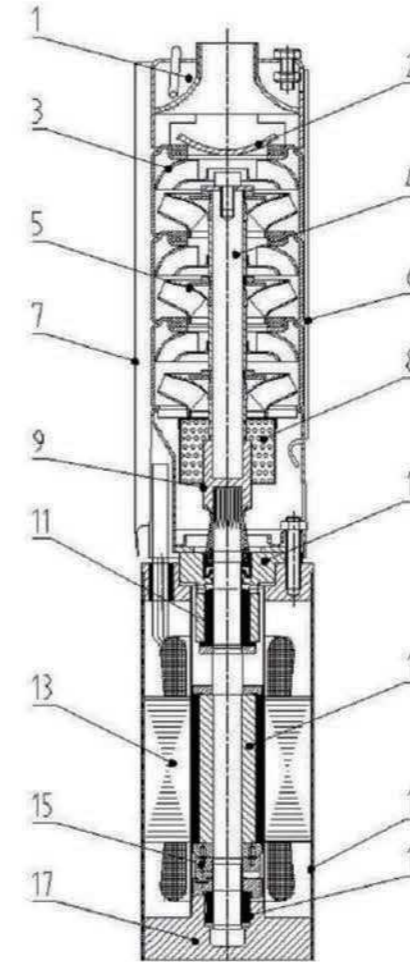
**Answer:**Although brushed DC motor can work directly with solar panels also, it's not good option,there have follow different from BLDC  
Life BLDC motor is 10000H,while brush pump Maximum life is 2000h~3000H because the brush and slip wear and tear.  
DC brush pump system has very low efficiency without MPPT. There isn't any Protection because of without controller also. too noise. Safety is significantly lower than BLDC motor.

## Components&Materials of internal controller models

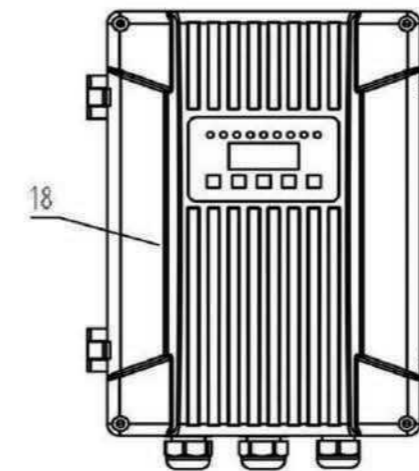


Component	Material
1 Discharge chamber	Stainless steel 304
2 Non-return valve	Stainless steel 304/Plastic
3 Guide vanes	PC/Stainless steel 304/Plastic
4 Pump shaft	Stainless steel 304
5 Impeller	POM/Stainless steel 304/Plastic
6 Impeller fastener	Stainless steel 304/Plastic
7 Cable cover	Stainless steel 304
8 Inlet part	Stainless steel 304
9 Shaft coupling	Stainless steel 304
10 Upper bearing housing	Stainless steel 304
11 Upper Bearing	Silicon Carbide
12 PM Rotor	--
13 Stator	--
14 Pump housing	Stainless steel 304
15 Thrust bearing	Graphite
16 Lower bearing	Silicon Carbide
17 Lower bearing housing	Stainless steel 304
18 PABA	--
19 base	Stainless steel 304

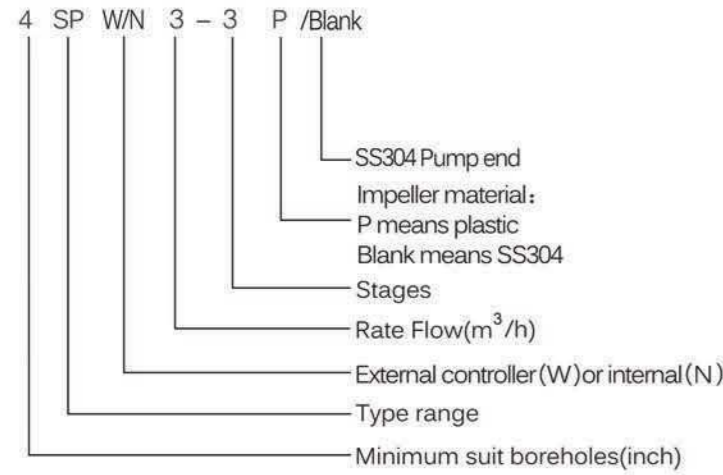
## Components&Materials of external controller models



Component	Material
1 Discharge chamber	Stainless steel 304
2 Non-return valve	Stainless steel 304/Plastic
3 Guide vanes	PC/Stainless steel 304/Plastic
4 Pump shaft	Stainless steel 304
5 Impeller	POM/Stainless steel 304/Plastic
6 Impeller fastener	Stainless steel 304/Plastic
7 Cable cover	Stainless steel 304
8 Inlet part	Stainless steel 304
9 Shaft coupling	Stainless steel 304
10 Upper bearing housing	Stainless steel 304
11 Upper Bearing	Silicon Carbide
12 PM Rotor	--
13 Stator	--
14 Pump housing	Stainless steel 304
15 Thrust bearing	Graphite
16 Lower bearing	Silicon Carbide
17 Lower bearing housing	Stainless steel 304
18 Controller	



## Model Description



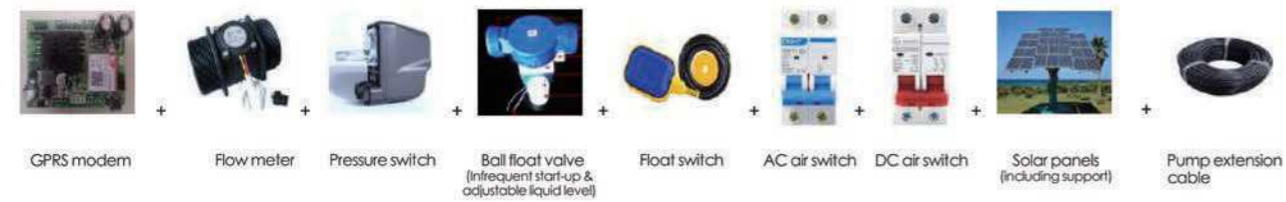
## System Components

To extend the flexibility of the system, each package is supplied with,

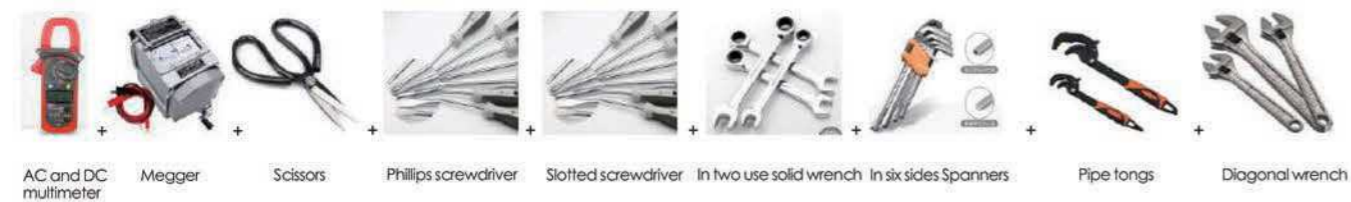
- YUTUO SUN Multistage 4", 5" or 6" water pump to suit Head and flow
- YUTUO SUN Solar Motor DC
- YUTUO SUN Monitor Sk4000 (optional)
- GPRS(optional)
- Flow Switch(optional)
- Pressure Switch(optional)
- Floating switch (optional)
- Pressure tank(optional)

## Installation list

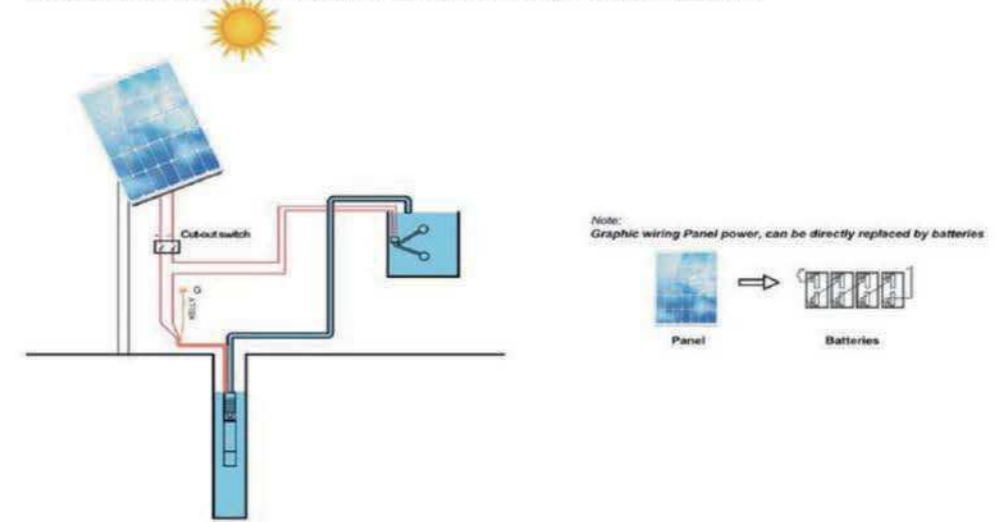
### Products & accessories



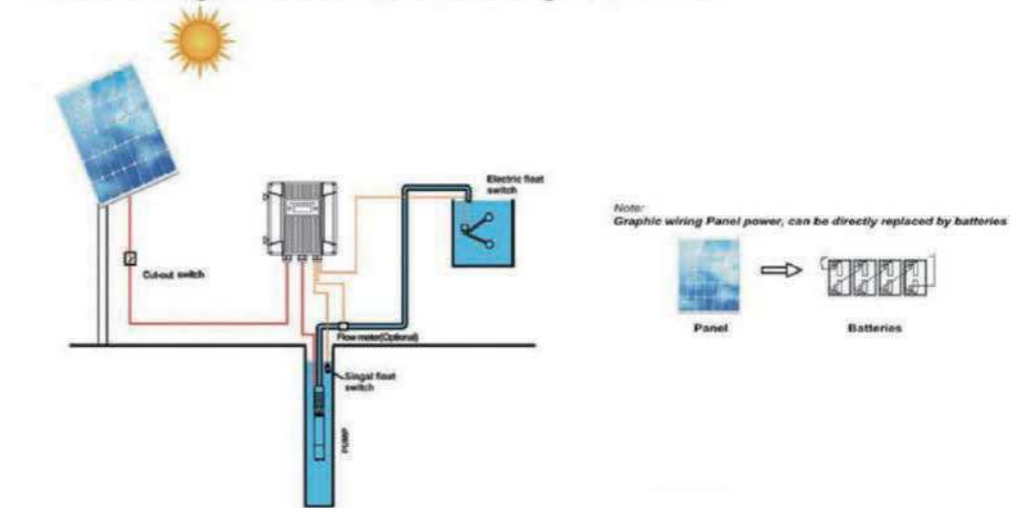
### Common tools



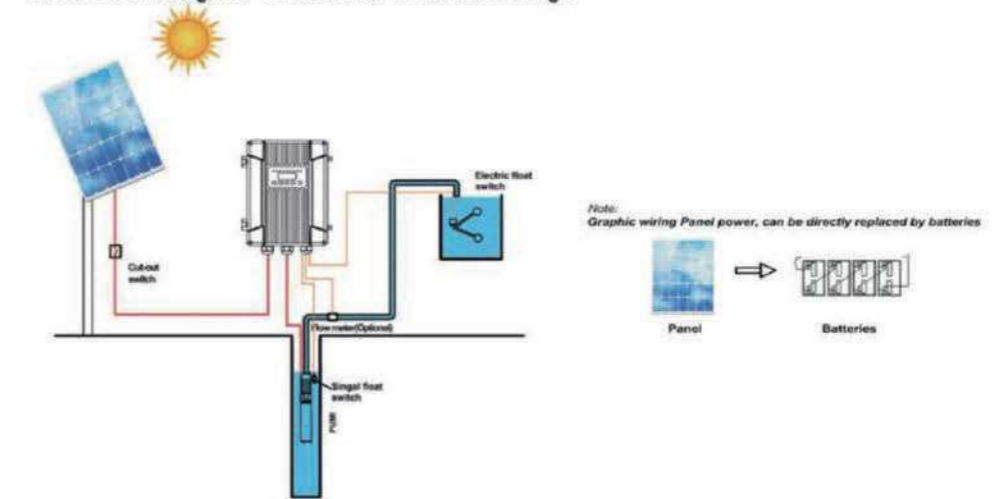
Installation diagram of internal controller range without monitor



Installation diagram of internal controller range with monitor



Installation diagram of external controller range



## Monitor(For internal controller models)

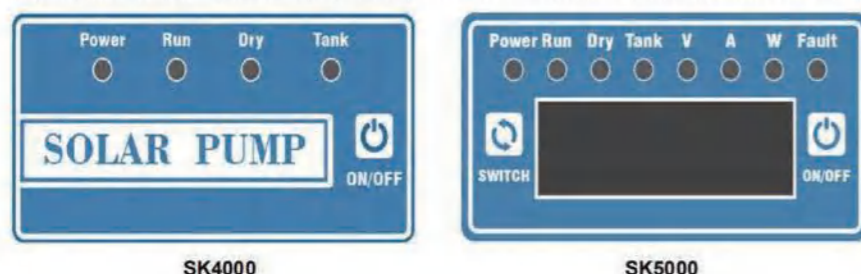
Monitor is not a compulsive part of pump system .However, it provides more functions and protections for pump system. Making the system more convenient and intelligent. For example :Water level control floating switch terminal;GPRS remote monitoring and control etc.

Two specifications are available:SK4000 and SK5000

LED Lamp Instructions In Panel

### SK4000

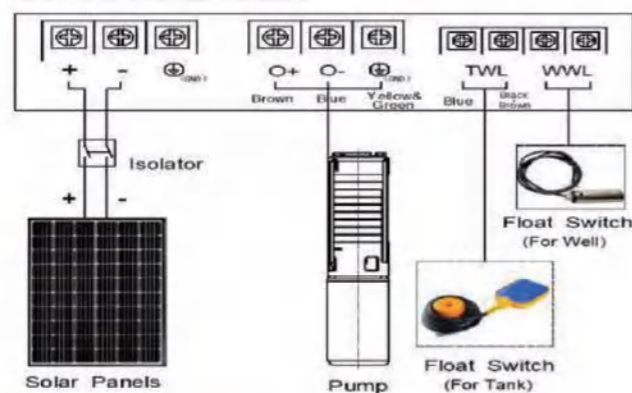
- ◆LED【Power】: Input power supply, the indicator is on;
- ◆LED【Run】: Monitor is turned on, the indicator lights up,Associated with【ON/OFF】;
- ◆LED【Dry】: Alarm for pump dry protection, Associated with WWL terminals Or low power ;
- ◆LED【Tank】: Alarm for Water tank full protection , Associated with TWL terminals



### SK5000

- ◆LED【Power】: Input power supply, the indicator is on;
- ◆LED【Run】: Monitor is turned on, the indicator lights up,Associated with【ON/OFF】;
- ◆LED【Dry】: Alarm for pump dry protection, Associated with WWL terminals ;
- ◆LED【Tank】: Alarm for Water tank full protection , Associated with TWL terminals;
- ◆LED【V】: When this indicator light is on, Voltage is displayed;
- ◆LED【A】: When this indicator light is on, Current is displayed;
- ◆LED【W】: When this indicator light is on, Power value is displayed;
- ◆LED【Fault】: Alarm for Various fault;
- ◆Press【switch】 , check the【V】 ,【A】 ,【P】 , cycle.

Monitor Electrical Connections



If the maximum VOC voltage is exceeded, the pump will be damaged irreparably. Maximum VOC see page 14 (table5).

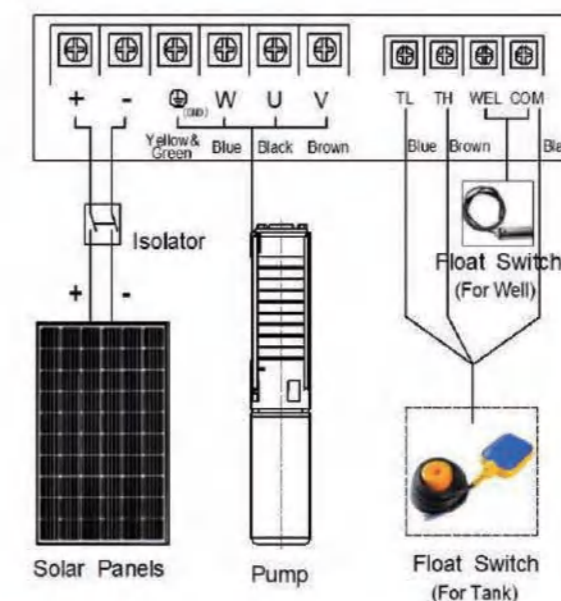
## Controller special for 3inch external controller ranges

### LED Lamp Instructions In Panel

- ◆LED【Power】: Input power supply, the indicator is on;
- ◆LED【MPPT】: When the pump is in the best MPPT working , the indicator light will be on;
- ◆LED【Well】: Alarm for pump dry protection, Associated with WWL terminals ;or Alarm for Various fault;
- ◆LED【Tank】: Alarm for Water tank full protection , Associated with TL / TH / COM terminals;
- ◆LED【V】: When this indicator light is on, Voltage is displayed;
- ◆LED【A】: When this indicator light is on, Current is displayed;
- ◆LED【W】: When this indicator light is on, Power value is displayed;
- ◆LED【RPM】: When this indicator light is on, Speed is displayed;
- ◆Press【switch】 , check the【V】 ,【A】 ,【W】 ,【RPM】 cycle.



### Electrical Connections



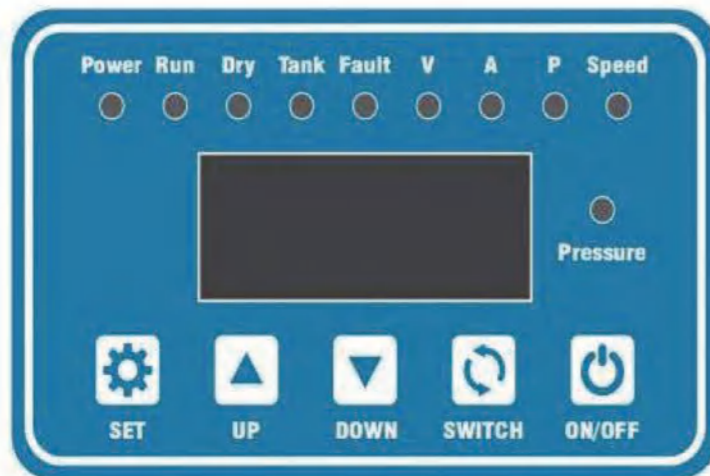
If the maximum VOC voltage is exceeded, the controller will be damaged irreparably. Maximum VOC see page 14(table5).



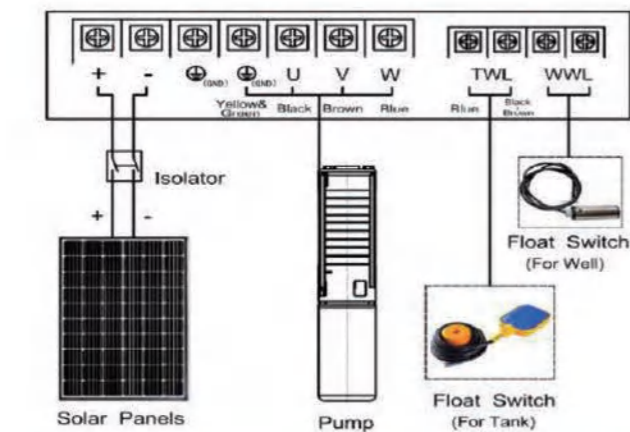
## Controller special for 4inch external controller ranges

### LED Lamp Instructions In Panel

- ◆ LED **【Power】** : Input power supply, the indicator is on;
- ◆ LED **【Run】** : Controller is turned on, the indicator lights up, Associated with **【ON/OFF】**
- ◆ LED **【Dry】** : Alarm for pump dry protection, Associated with **WWL** terminals Or **low power** ;
- ◆ LED **【Tank】** : Alarm for Water tank full protection , Associated with **TWL** terminals;
- ◆ LED **【Fault】** : Alarm for Various fault;
- ◆ LED **【V】** : When this indicator light is on, Voltage is displayed;
- ◆ LED **【A】** : When this indicator light is on, Current is displayed;
- ◆ LED **【P】** : When this indicator light is on, Power value is displayed;
- ◆ LED **【Speed】** : When this indicator light is on, Speed is displayed;
- ◆ LED **【Pressure】** : Connected to pressure sensor, not available at present;
- ◆ Press **【switch】** , check the **【V】** , **【A】** , **【P】** , **【Speed】** cycle.

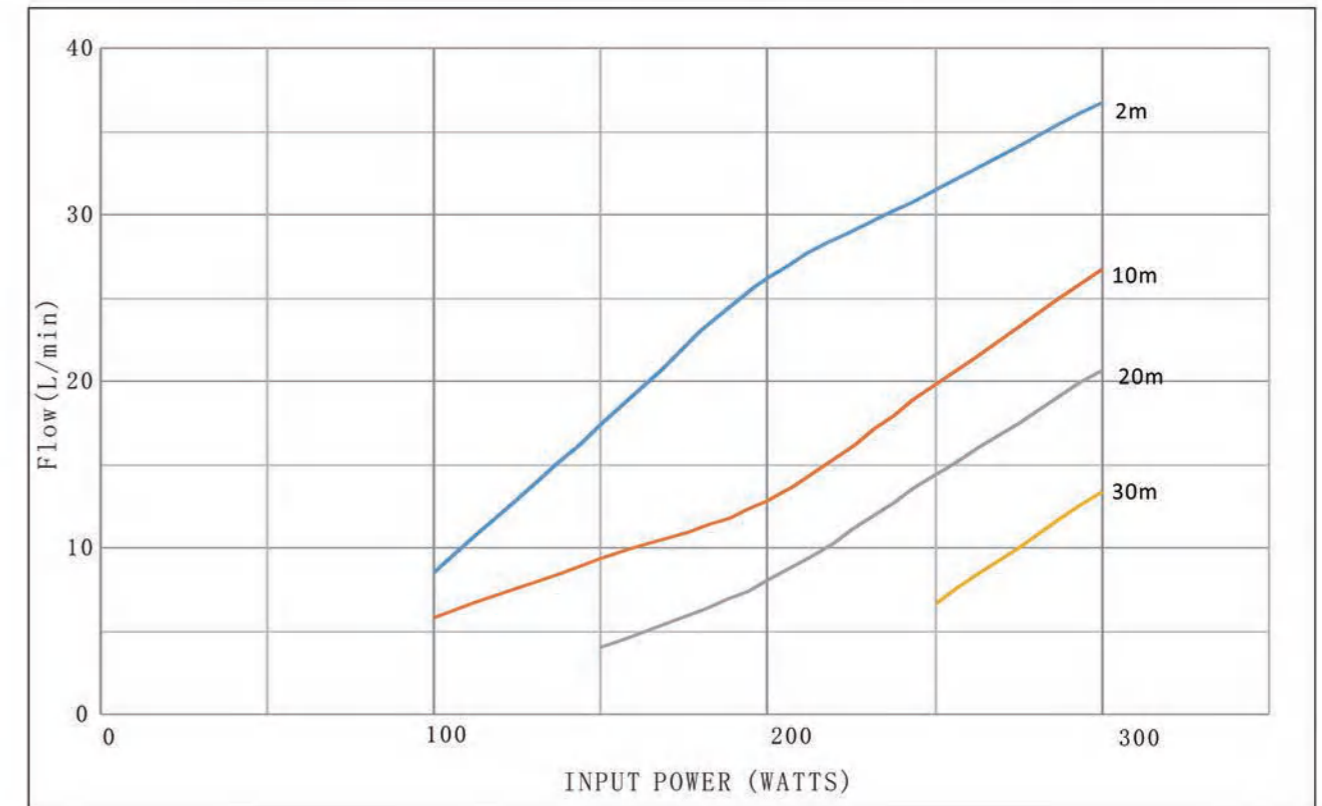


### Electrical Connections



**⚠** If the maximum VOC voltage is exceeded, the controller will be damaged irreparably. Maximum VOC see page 14 (table 5).

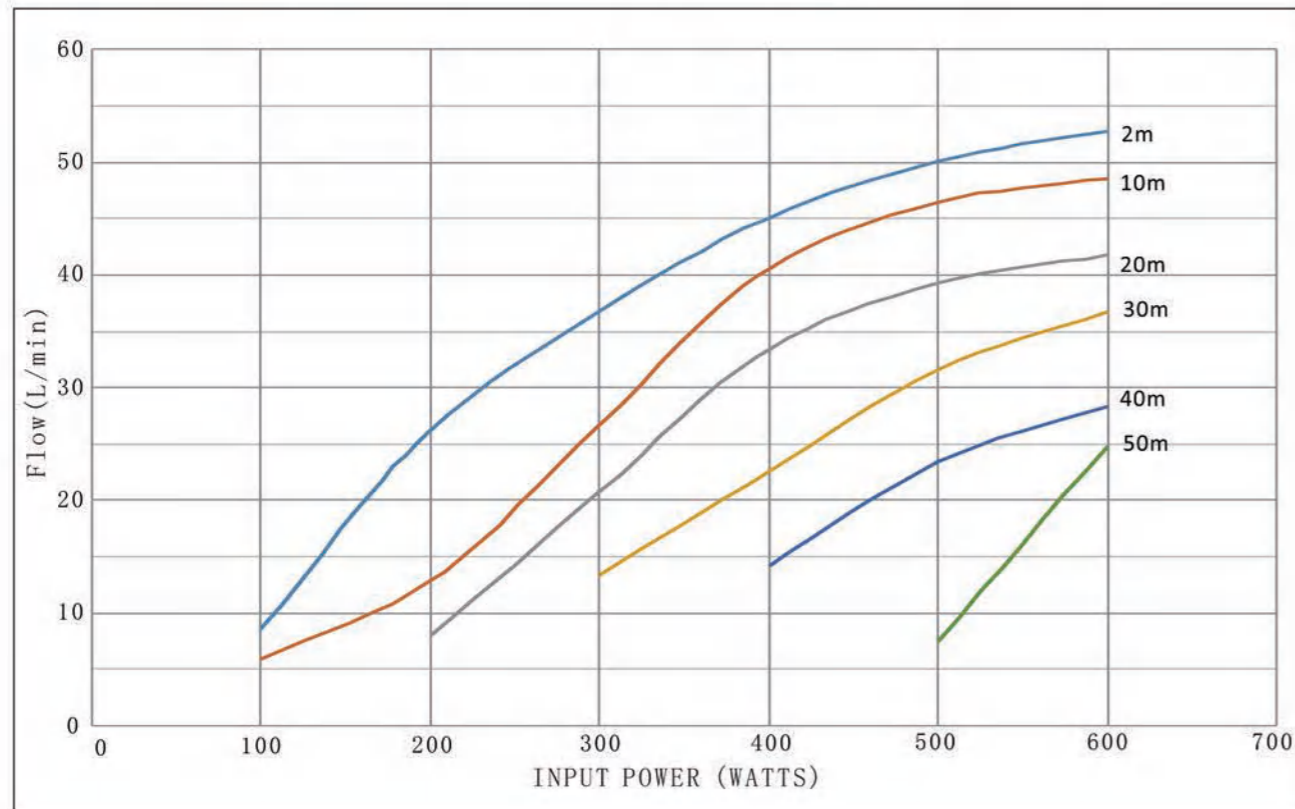
## 3SPW/N 1-5P MOTOR 0.3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)				
	100	150	200	250	300
	FLOW RATE (LITERS MINUTE)				
2	9	17	26	31	37
10	6	9	13	20	27
20		4	8	14	21
30				7	13

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW1-5P or 3SPN1-5P	40L/min	35m	20-40Vmp (VOCmax=48V)	1000-4000	300W*1	3"
	PV Connection	Max input power	Pump length (3SPN1-5P)	Volume (3SPN1-5P)	Gross weight (3SPN1-5P)	Net weight (3SPN1-5P)
	in series	0.3KW	0.55m	0.09m*0.09m*0.79m	6.7KGS	5.8KGS
	Outlet size	Motor size	Pump length (3SPW1-5P)	Volume (3SPW1-5P)	Gross weight (3SPW1-5P)	Net weight (3SPW1-5P)
	1.25"	3"	0.5m	0.09m*0.09m*0.67m 0.35m*0.26m*0.21m	11.2KGS	8.2KGS

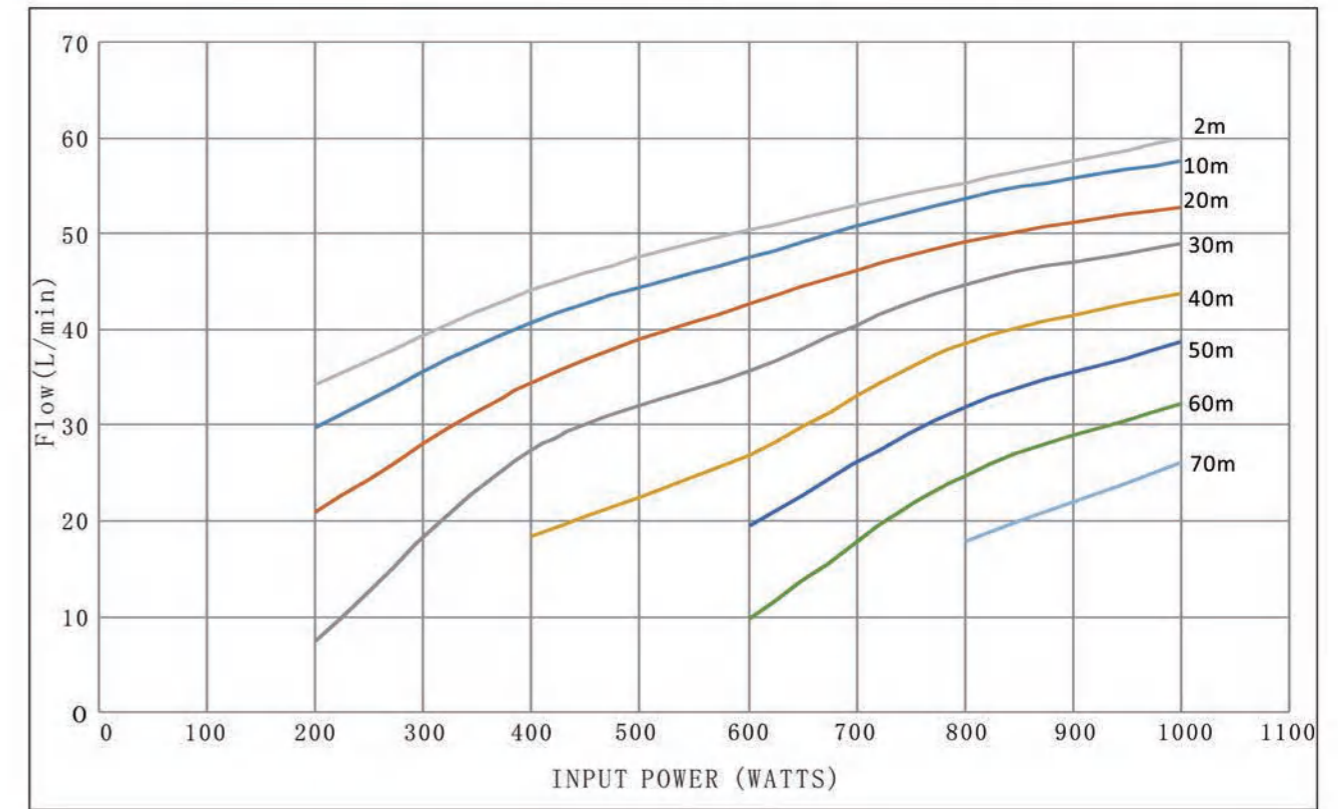
### 3SPW/N 1-8P MOTOR 0.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)					
	100	200	300	400	500	600
	FLOW RATE (LITERS MINUTE)					
2	9	26	37	45	50	53
10	6	13	27	41	46	49
20		8	21	33	39	42
30			13	23	32	37
40				14	23	28
50					8	25

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW1-8P or 3SPN1-8P	55L/min	60m	40-76Vmp (VOCmax=96V)	1000-4000	300W*2	3"
	PV Connection	Max input power	Pump length(3SPN1-8P)	Volume(3SPN1-8P)	Gross weight(3SPN1-8P)	Net weight(3SPN1-8P)
	in series	0.6KW	0.62m	0.09m*0.09m*0.85m	7.5KGS	6.5KGS
	Outlet size	Motor size	Pump length(3SPW1-8P)	Volume(3SPW1-8P)	Gross weight(3SPW1-8P)	Net weight(3SPW1-8P)
	1.25"	3"	0.55m	0.09m*0.09m*0.72m 0.35m*0.26m*0.21m	11.5KGS	8.5KGS

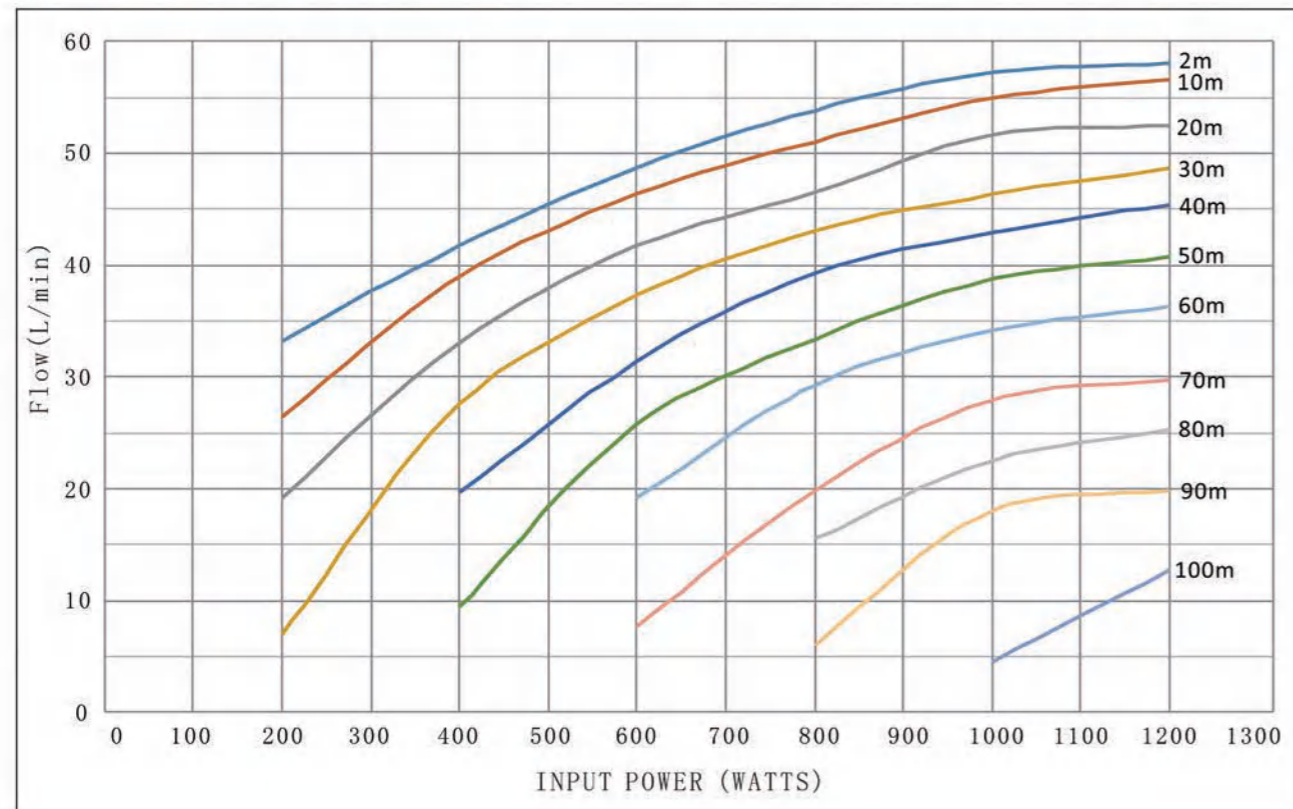
### 3SPW/N 1-11P MOTOR 0.75HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)				
	200	400	600	800	1000
	FLOW RATE (LITERS MINUTE)				
2	34	44	50	55	60
10	30	41	47	54	58
20	21	34	43	49	53
30	7	27	36	45	49
40		18	27	39	44
50			19	32	39
60			10	25	32
70				18	26

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW1-11P or 3SPN1-11P	60L/min	95m	65-110Vmp (VOCmax=150V)	1000-4000	300W*3	3"
	PV Connection	Max input power	Pump length(3SPN1-11P)	Volume(3SPN1-11P)	Gross weight(3SPN1-11P)	Net weight(3SPN1-5P)
	in series	0.9KW	0.72m	0.09m*0.09m*0.95m	9.1KGS	8KGS
	Outlet size	Motor size	Pump length(3SPW1-11P)	Volume(3SPW1-11P)	Gross weight(3SPW1-11P)	Net weight(3SPW1-5P)
	1.25"	3"	0.63m	0.09m*0.09m*0.8m 0.35m*0.26m*0.21m	12.6KGS	9.5KGS

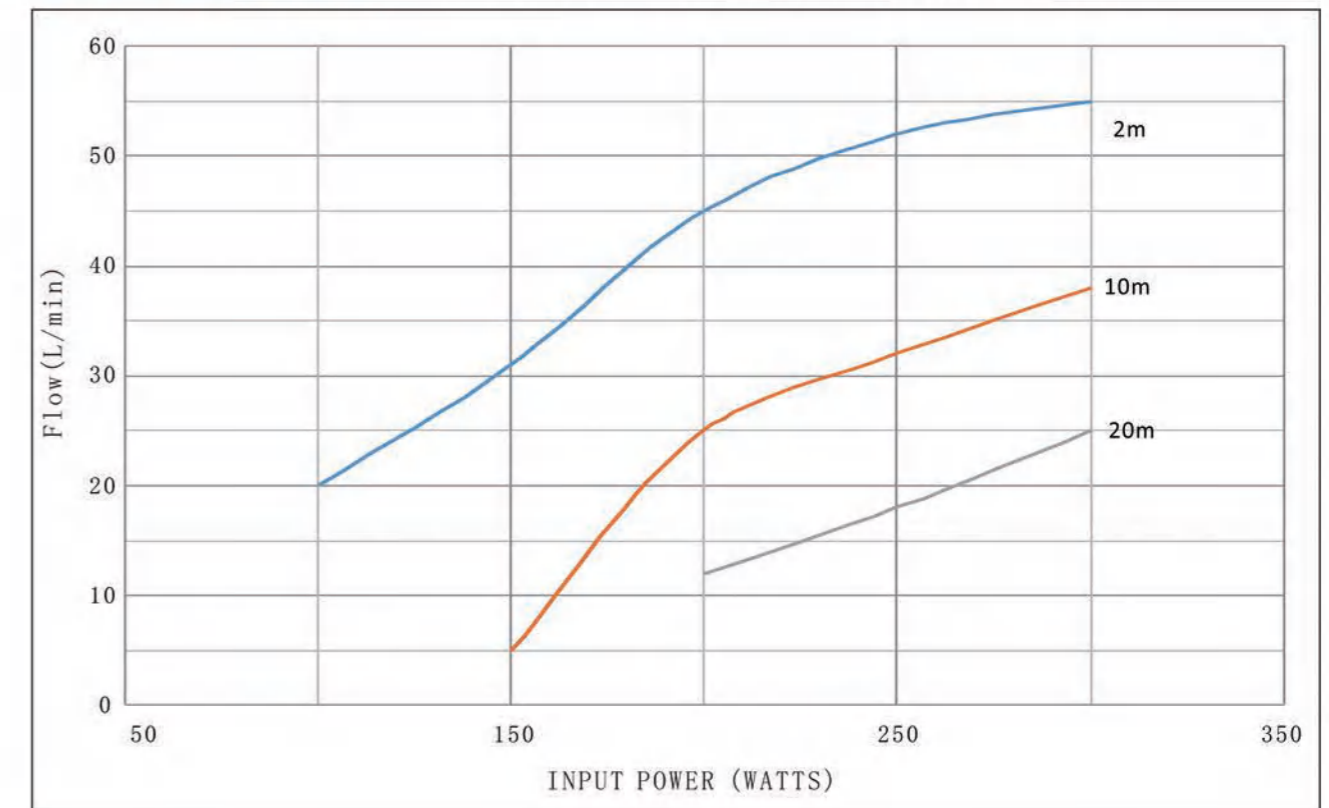
### 3SPW/N 1-14P MOTOR 1HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)					
	200	400	600	800	1000	1200
	FLOW RATE (LITERS MINUTE)					
2	33	42	49	54	57	58
10	26	39	46	51	55	57
20	19	33	42	47	52	53
30	7	28	37	43	46	49
40		20	31	39	43	45
50		9	26	33	39	41
60			19	29	34	36
70			8	20	28	30
80				16	23	25
90				6	18	20
100					5	13

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW1-14P or 3SPN1-14P	60L/min	120m	80-150Vmp (VOCmax=180V)	1000-4000	300W*4	3"
	PV Connection	Max input power	Pump length(3SPN1-14P)	Volume (3SPN1-14P)	Gross weight (3SPN1-14P)	Net weight(3SPN1-14P)
	in series	1.2KW	0.81m	0.09m*0.09m*1.03m	9.4KGS	8.2KGS
	Outlet size	Motor size	Pump length(3SPW1-14P)	Volume (3SPW1-14P)	Gross weight (3SPW1-14P)	Net weight(3SPW1-14P)
	1.25"	3"	0.72m	0.09m*0.09m*0.89m 0.35m*0.26m*0.21m	12.9KGS	9.7KGS

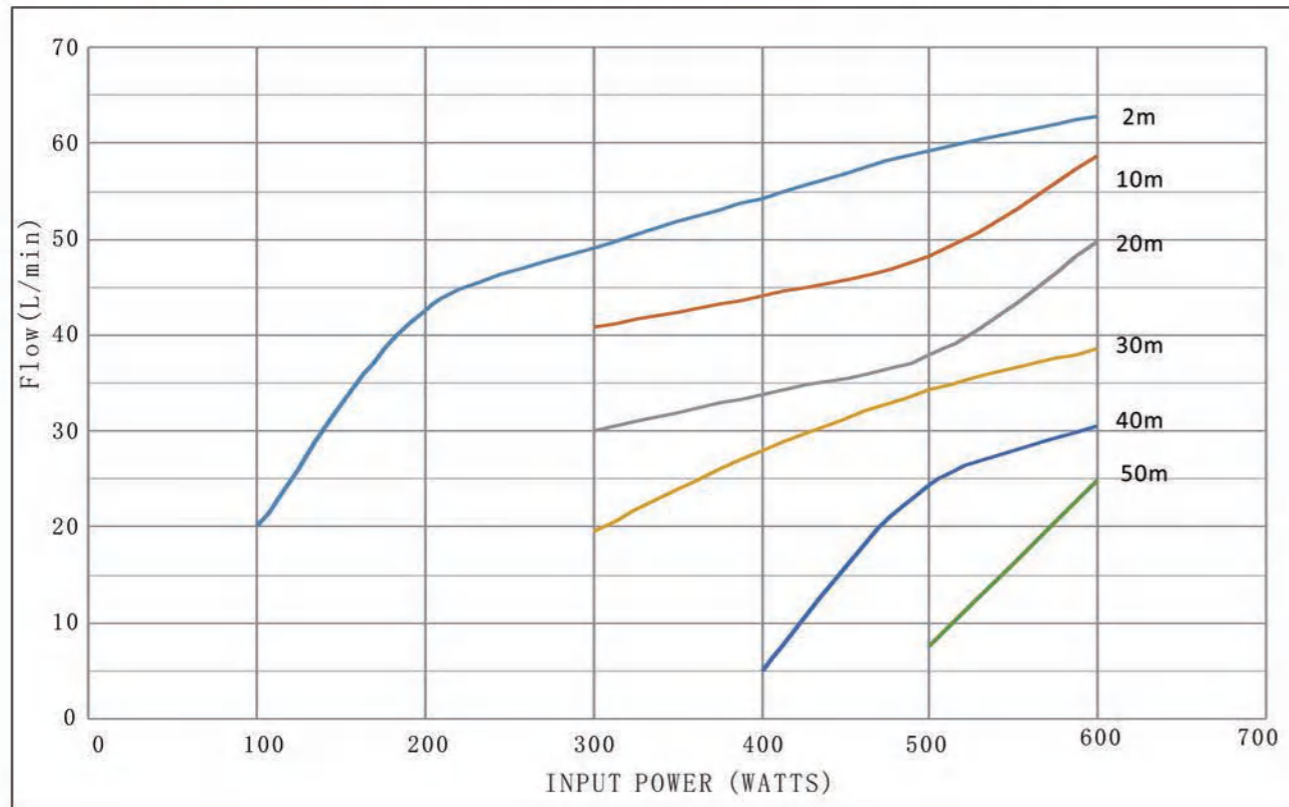
### 3SPW/N 2-3P MOTOR 0.3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)				
	100	150	200	250	300
	FLOW RATE (LITERS MINUTE)				
2	20	31	45	52	55
10		5	25	32	38
20			12	18	25

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW2-3P or 3SPN2-3P	55L/min	28m	20-40Vmp (VOCmax=48V)	1000-4000	300W*1	3"
	PV Connection	Max input power	Pump length(3SPN2-3P)	Volume (3SPN2-3P)	Gross weight (3SPN2-3P)	Net weight (3SPN2-3P)
	in series	0.3KW	0.51m	0.09m*0.09m*0.73m	7.1KGS	6.2KGS
	Outlet size	Motor size	Pump length(3SPW2-3P)	Volume (3SPW2-3P)	Gross weight (3SPW2-3P)	Net weight (3SPW2-3P)
	1.25"	3"	0.46m	0.09m*0.09m*0.63m 0.35m*0.26m*0.21m	11.5KGS	8.6KGS

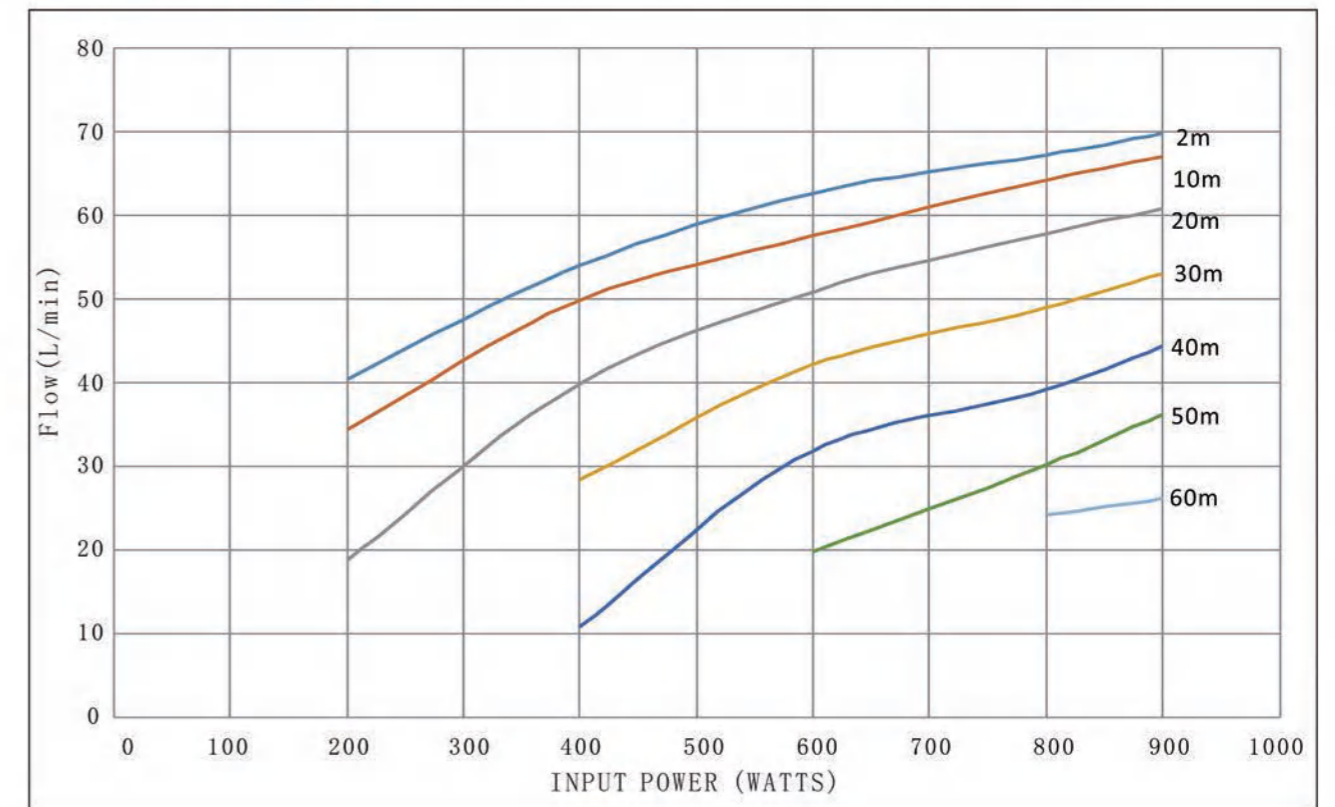
### 3SPW/N 2-5P MOTOR 0.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)					
	100	200	300	400	500	600
	FLOW RATE (LITERS MINUTE)					
2	20	43	49	54	59	63
10			41	44	48	59
20			30	34	38	50
30			20	28	34	39
40				5	24	31
50					8	25

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW2-5P or 3SPN2-5P	63L/min	52m	40-76Vmp (VOCmax=96V)	1000-4000	300W*2	3"
	PV Connection	Max input power	Pump length(3SPN2-5P)	Volume(3SPN2-5P)	Gross weight(3SPN2-5P)	Net weight(3SPN2-5P)
	in series	0.6KW	0.58m	0.09m*0.09m*0.79m	7.6KGS	6.6KGS
	Outlet size	Motor size	Pump length(3SPW2-5P)	Volume(3SPW2-5P)	Gross weight(3SPW2-5P)	Net weight(3SPW2-5P)
	1.25"	3"	0.51m	0.09m*0.09m*0.68m 0.35m*0.26m*0.21m	11.6KGS	8.6KGS

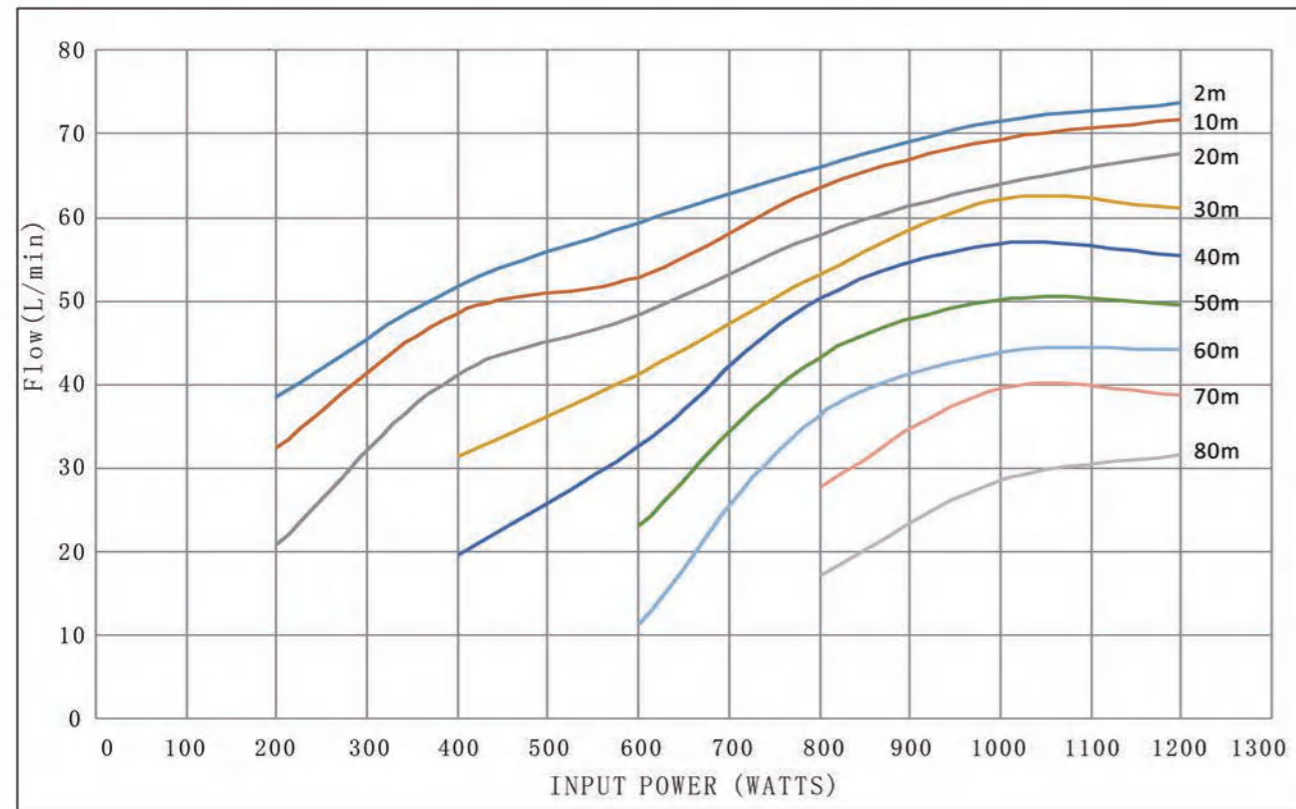
### 3SPW/N 2-7P MOTOR 0.75HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)				
	200	400	600	800	900
	FLOW RATE (LITERS MINUTE)				
2	40	54	63	67	70
10	34	50	58	64	67
20	19	40	51	58	61
30		28	42	49	53
40		11	32	39	44
50			20	30	36
60				24	26

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW2-7P or 3SPN2-7P	70L/min	66m	65-110Vmp (VOCmax=150V)	1000-4000	300W*3	3"
	PV Connection	Max input power	Pump length(3SPN2-7P)	Volume(3SPN2-7P)	Gross weight(3SPN2-7P)	Net weight(3SPN2-7P)
	in series	0.9KW	0.65m	0.09m*0.09m*0.85m	8.2KGS	7.2KGS
	Outlet size	Motor size	Pump length(3SPW2-7P)	Volume(3SPW2-7P)	Gross weight(3SPW2-7P)	Net weight(3SPW2-7P)
	1.25"	3"	0.56m	0.09m*0.09m*0.72m 0.35m*0.26m*0.21m	11.7KGS	8.7KGS

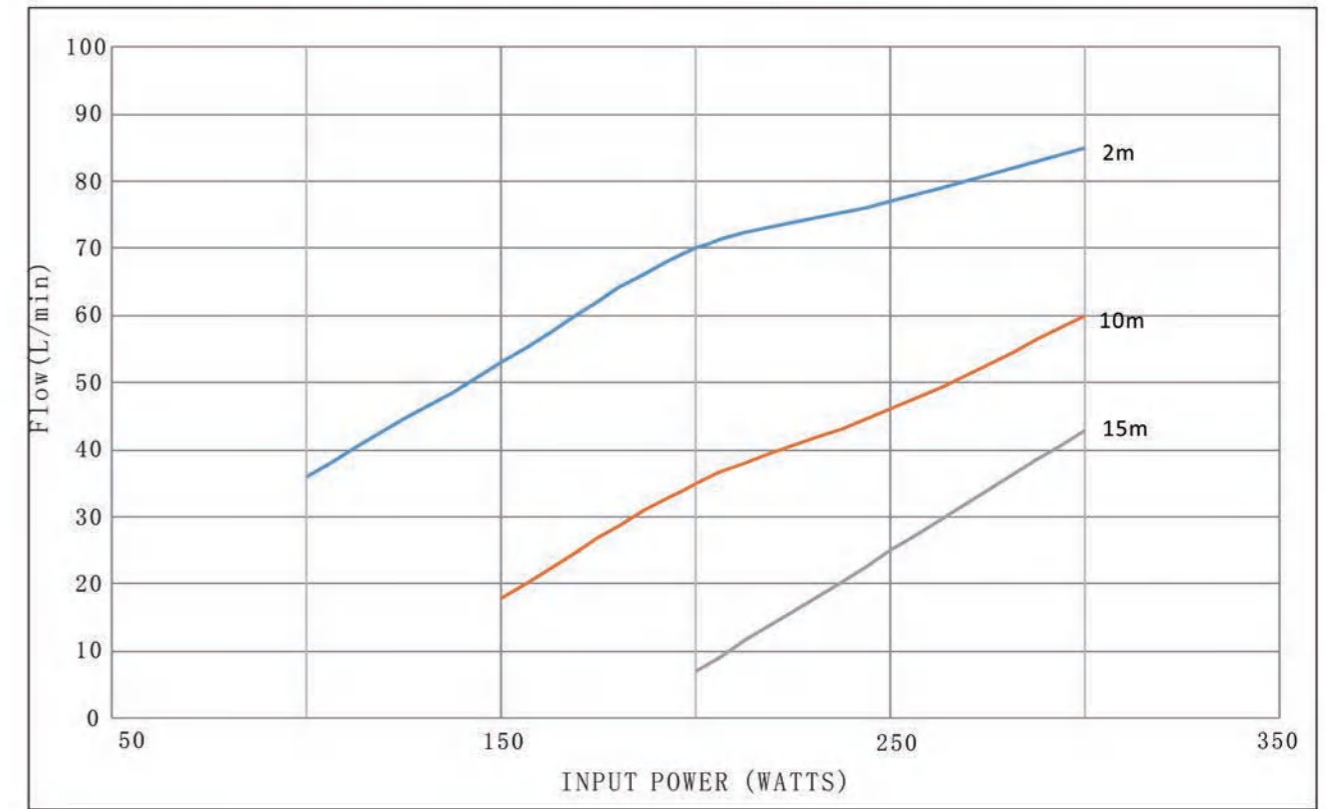
### 3SPW/N 2-9P MOTOR 1HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)					
	200	400	600	800	1000	1200
	FLOW RATE (LITERS MINUTE)					
2	39	52	59	66	72	74
10	32	49	53	64	69	72
20	21	41	48	58	64	68
30		31	41	53	62	61
40		20	33	50	57	55
50			23	43	50	50
60			11	36	44	44
70				28	40	39
80				17	29	32

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW2-9P or 3SPN2-9P	74L/min	86m	80-150Vmp (VOCmax=180V)	1000-4000	300W*4	3"
	PV Connection	Max input power	Pump length(3SPN2-9P)	Volume(3SPN2-9P)	Gross weight(3SPN2-9P)	Net weight(3SPN2-9P)
	in series	1.2KW	0.7m	0.09m*0.09m*0.94m	8.4KGS	7.3KGS
	Outlet size	Motor size	Pump length(3SPW2-9P)	Volume(3SPW2-9P)	Gross weight(3SPW2-9P)	Net weight(3SPW2-9P)
	1.25"	3"	0.61m	0.09m*0.09m*0.78m 0.35m*0.26m*0.21m	11.9KGS	8.8KGS

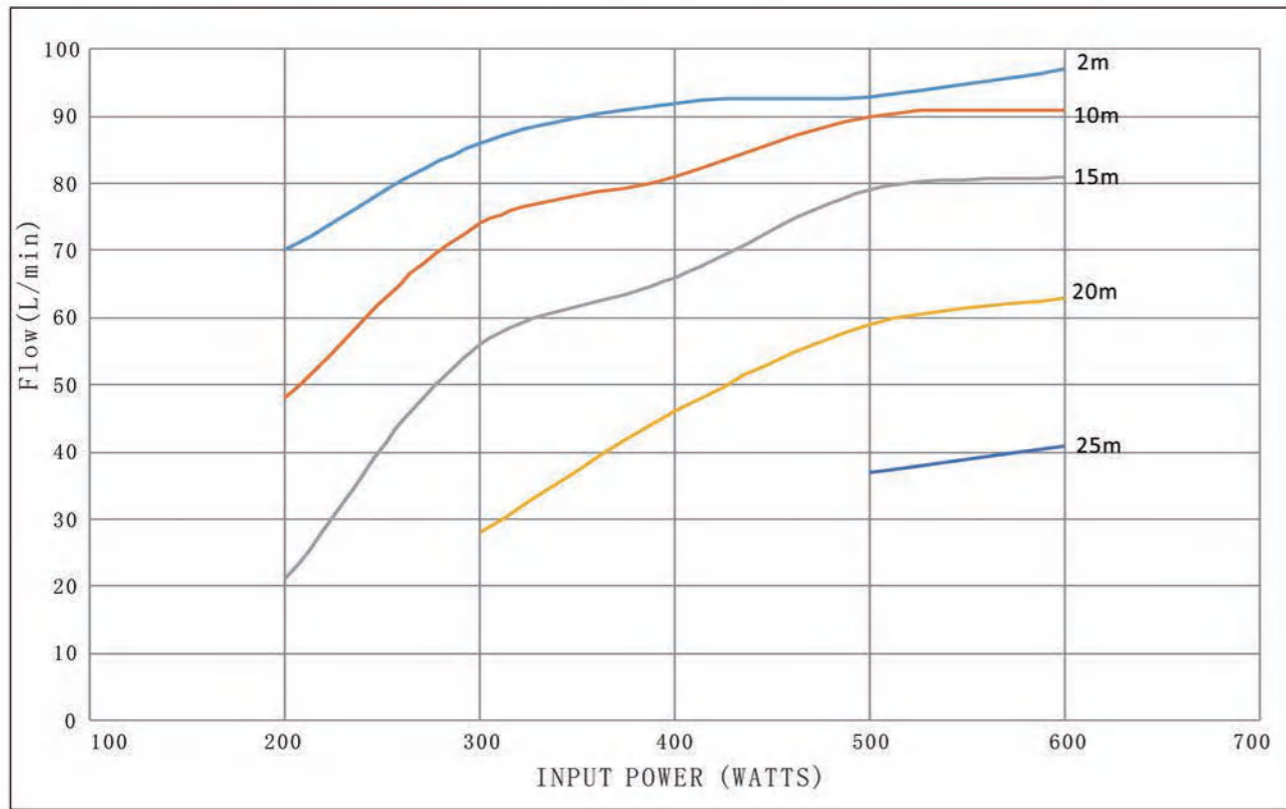
### 3SPW/N 3-2P MOTOR 0.3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)				
	100	150	200	250	300
	FLOW RATE (LITERS MINUTE)				
2	36	53	70	77	85
10		18	35	46	60
15			7	25	43

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW3-2P or 3SPN3-2P	85L/min	18m	20-40Vmp (VOCmax=48V)	1000-4000	300W*1	3"
	PV Connection	Max input power	Pump length(3SPN3-2P)	Volume(3SPN3-2P)	Gross weight(3SPN3-2P)	Net weight(3SPN3-2P)
	in series	0.3KW	0.56m	0.09m*0.09m*0.73m	7.1KGS	6.2KGS
	Outlet size	Motor size	Pump length(3SPW3-2P)	Volume(3SPW3-2P)	Gross weight(3SPW3-2P)	Net weight(3SPW3-2P)
	1.25"	3"	0.51m	0.09m*0.09m*0.68m 0.35m*0.26m*0.21m	11.6KGS	8.6KGS

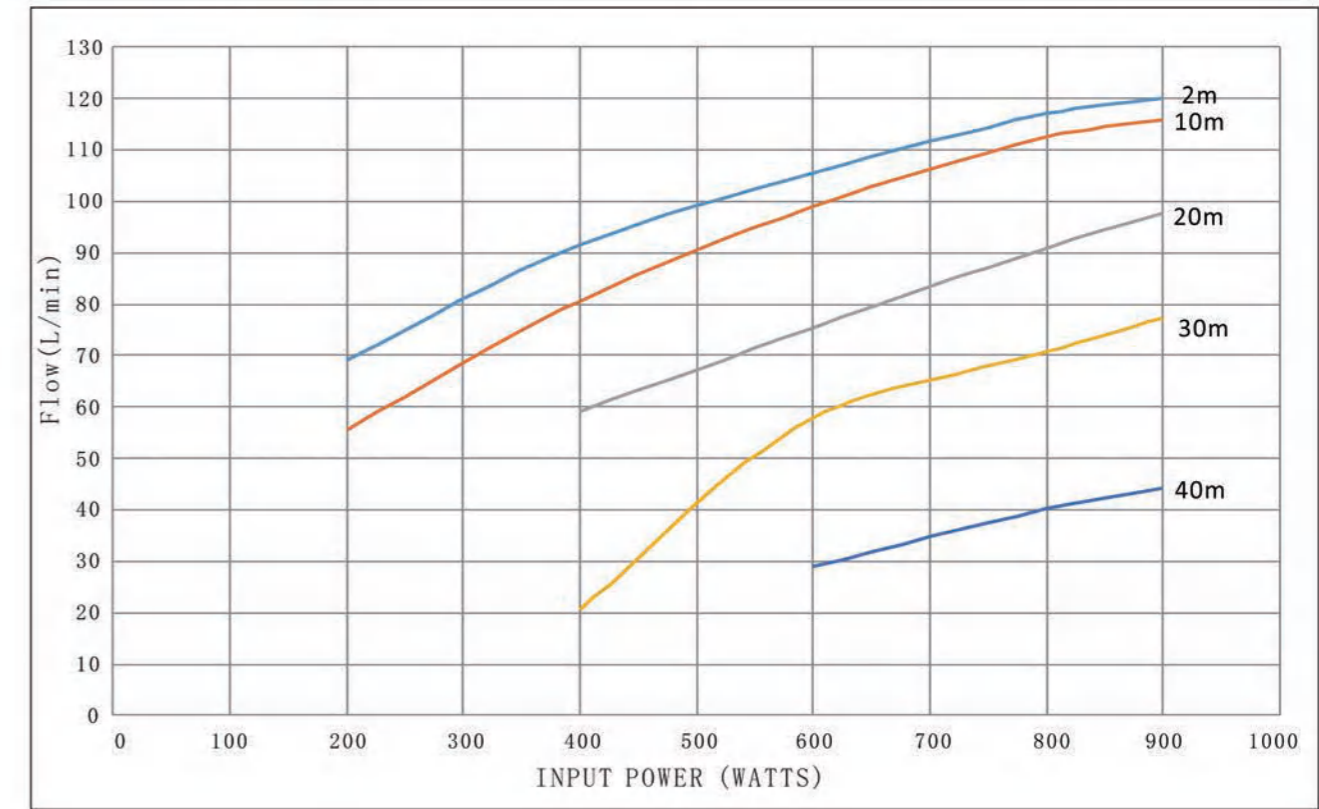
### 3SPW/N 3-3P MOTOR 0.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)				
	200	300	400	500	600
	FLOW RATE (LITERS MINUTE)				
2	70	86	92	93	97
10	48	74	81	90	91
15	21	56	66	79	81
20		28	46	59	63
25				37	41

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW3-3P or 3SPN3-3P	100L/min	26m	40-76Vmp (VOCmax=96V)	1000-4000	300W*2	3"
	PV Connection	Max input power	Pump length(3SPN3-3P)	Volume (3SPN3-3P)	Gross weight (3SPN3-3P)	Net weight (3SPN3-3P)
	in series	0.6KW	0.55m	0.09m*0.09m*0.79m	7.5KGS	6.6KGS
	Outlet size	Motor size	Pump length(3SPW3-3P)	Volume (3SPW3-3P)	Gross weight (3SPW3-3P)	Net weight (3SPW3-3P)
	1.25"	3"	0.49m	0.09m*0.09m*0.65m 0.35m*0.26m*0.21m	11.5KGS	8.6KGS

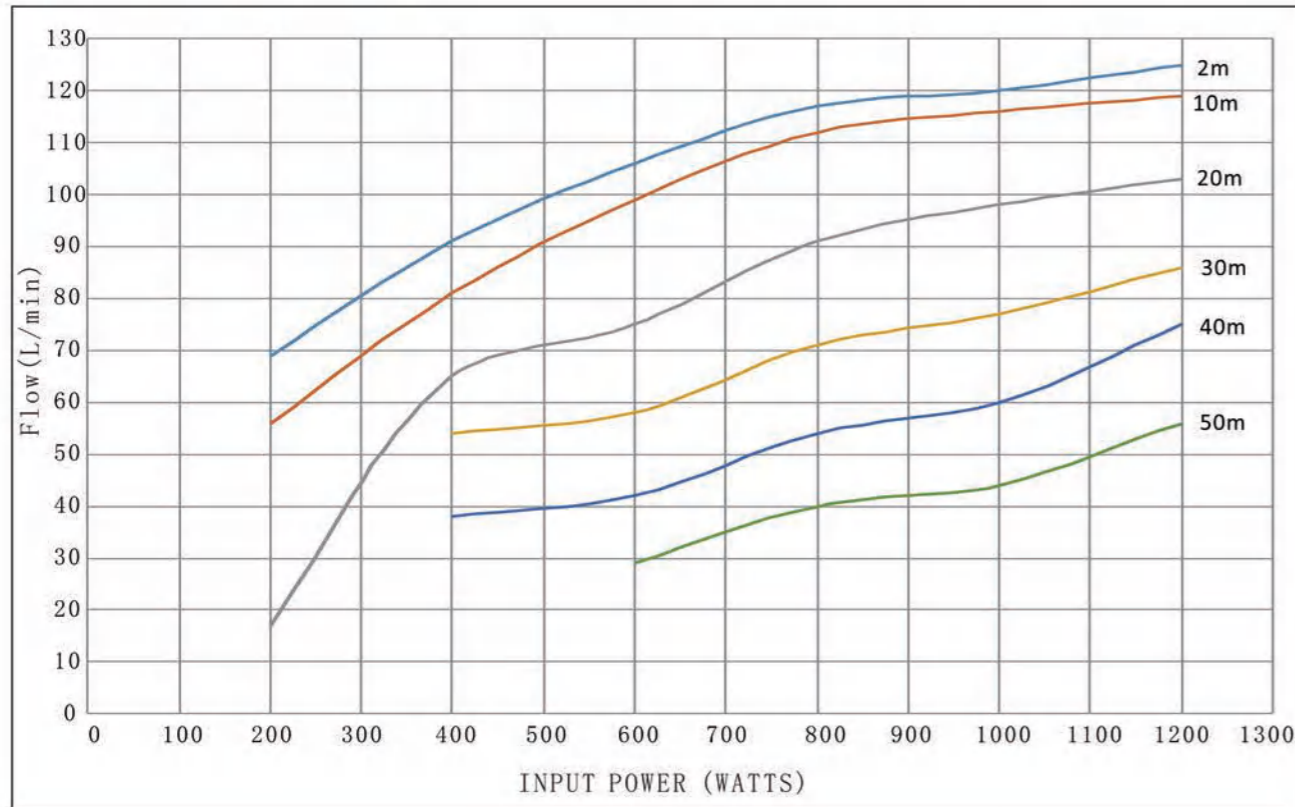
### 3SPW/N 3-5P MOTOR 0.75HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)				
	200	400	600	800	900
	FLOW RATE (LITERS MINUTE)				
2	69	91	106	117	120
10	56	81	99	112	116
20		59	75	91	98
30		21	58	71	77
40			29	40	44

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW3-5P or 3SPN3-5P	120L/min	42m	65-110Vmp (VOCmax=150V)	1000-4000	300W*3	3"
	PV Connection	Max input power	Pump length(3SPN3-5P)	Volume (3SPN3-5P)	Gross weight (3SPN3-5P)	Net weight (3SPN3-5P)
	in series	0.9KW	0.64m	0.09m*0.09m*0.85m	8KGS	7KGS
	Outlet size	Motor size	Pump length(3SPW3-5P)	Volume (3SPW3-5P)	Gross weight (3SPW3-5P)	Net weight (3SPW3-5P)
	1.25"	3"	0.55m	0.09m*0.09m*0.72m 0.35m*0.26m*0.21m	11.5KGS	8.5KGS

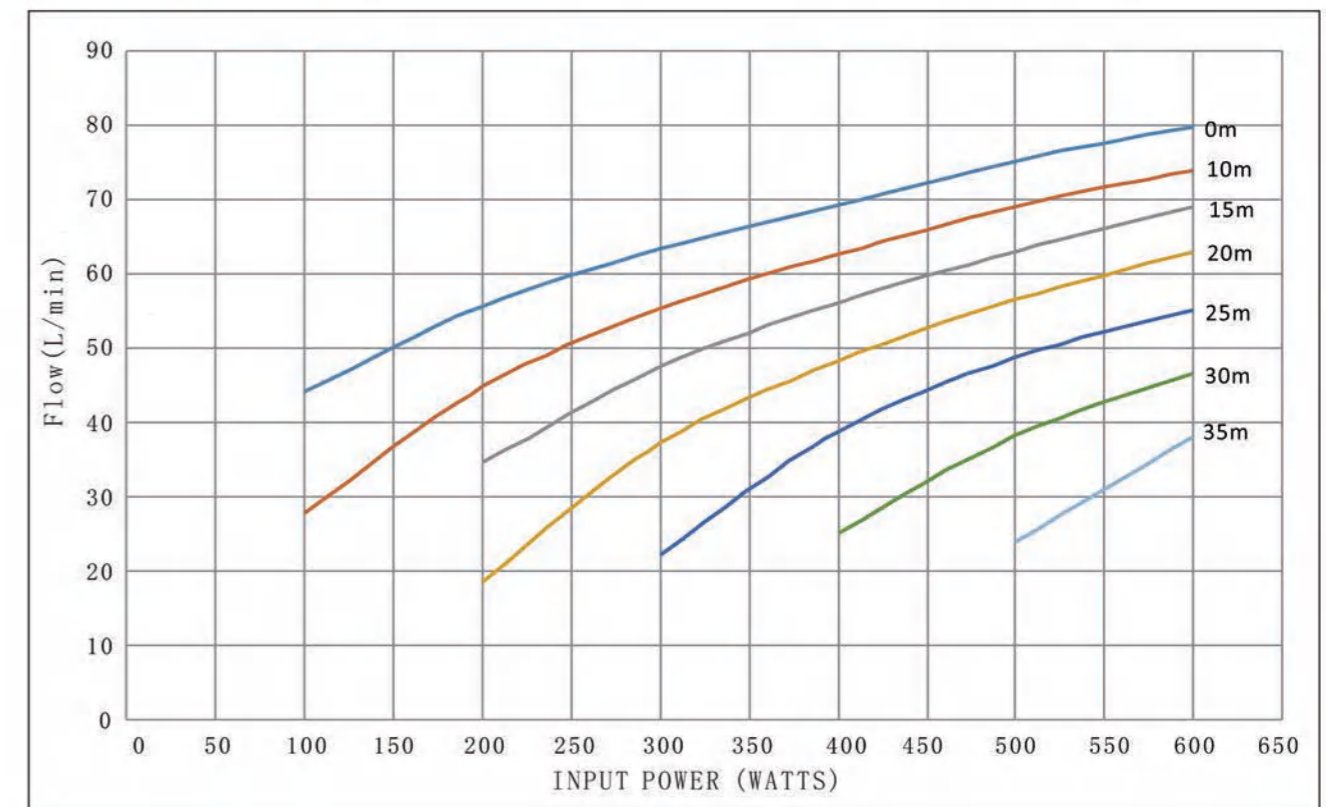
### 3SPW/N 3-7P MOTOR 1HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)					
	200	400	600	800	1000	1200
	FLOW RATE (LITERS MINUTE)					
2	69	91	106	117	120	125
10	56	81	99	112	116	119
20	17	65	75	91	98	103
30		54	58	71	77	86
40		38	42	54	60	75
50			29	40	44	56

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW3-7P or 3SPN3-7P	125L/min	55m	80-150Vmp (VOCmax=180V)	1000-4000	300W*4	3"
	PV Connection	Max input power	Pump length (3SPN3-7P)	Volume (3SPN3-7P)	Gross weight (3SPN3-7P)	Net weight (3SPN3-7P)
	in series	1.2KW	0.88m	0.09m*0.09m*0.94m	8.6KGS	7.3KGS
	Outlet size	Motor size	Pump length (3SPW3-7P)	Volume (3SPW3-7P)	Gross weight (3SPW3-7P)	Net weight (3SPW3-7P)
	1.25"	3"	0.79m	0.09m*0.09m*0.95m 0.35m*0.26m*0.21m	12.1KGS	8.8KGS

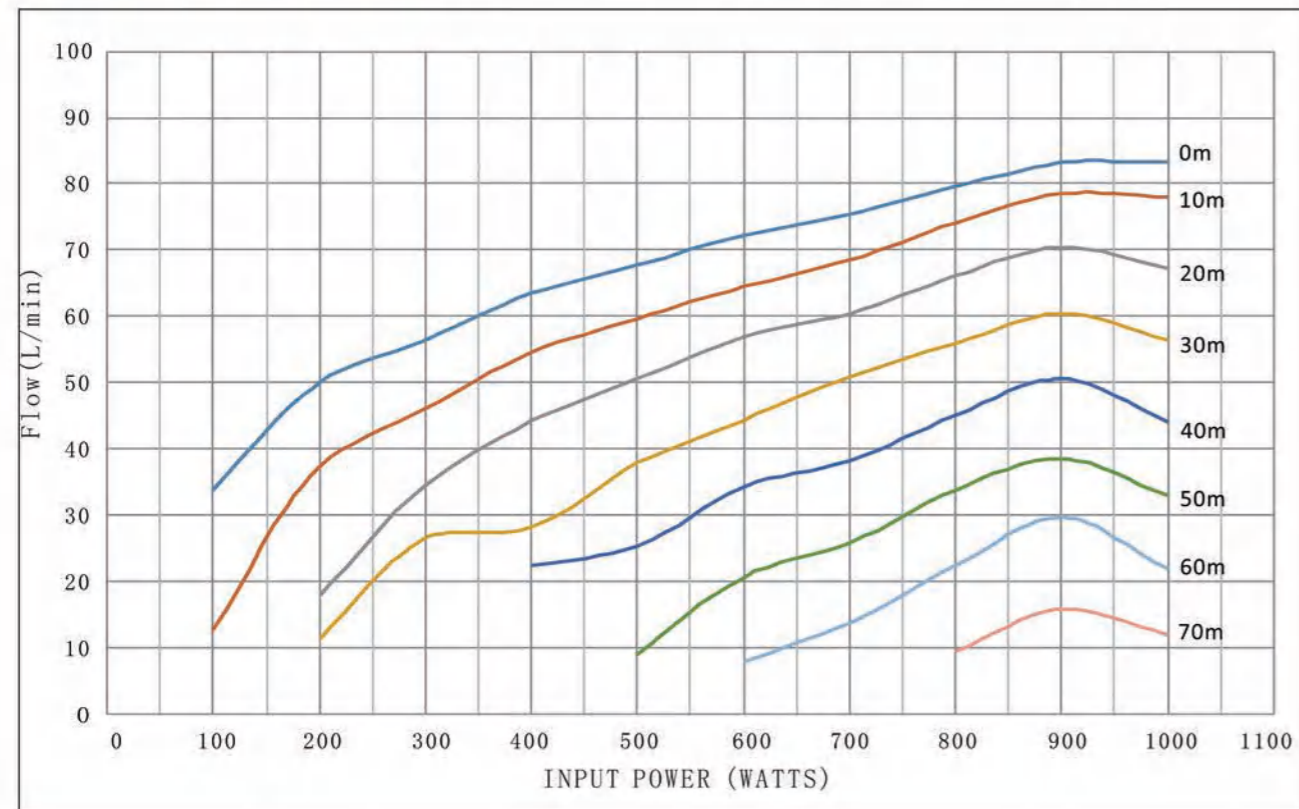
### 4SPW/N 2-5P MOTOR 0.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)					
	100	200	300	400	500	600
	FLOW RATE (LITERS MINUTE)					
0	44	56	63	69	75	80
10	28	45	55	63	69	74
15		35	47	56	63	69
20		19	37	48	56	63
25			22	39	49	55
30				25	38	47
35					24	38

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW2-5P or 4SPN2-5P	80L/min	54m	40-76Vmp (VOCmax=96V)	1000-4000	300W*2	4"
	PV Connection	Max input power	Pump length (4SPN2-5P)	Volume (4SPN2-5P)	Gross weight (4SPN2-5P)	Net weight (4SPN2-5P)
	in series	0.6KW	0.65m	0.11m*0.11m*0.76m	7KGS	6KGS
	Outlet size	Motor size	Pump length (4SPW2-5P)	Volume (4SPW2-5P)	Gross weight (4SPW2-5P)	Net weight (4SPW2-5P)
	1.25"	3"	0.59m	0.11m*0.11m*0.7m 0.35m*0.26m*0.21m	11.3KGS	10KGS

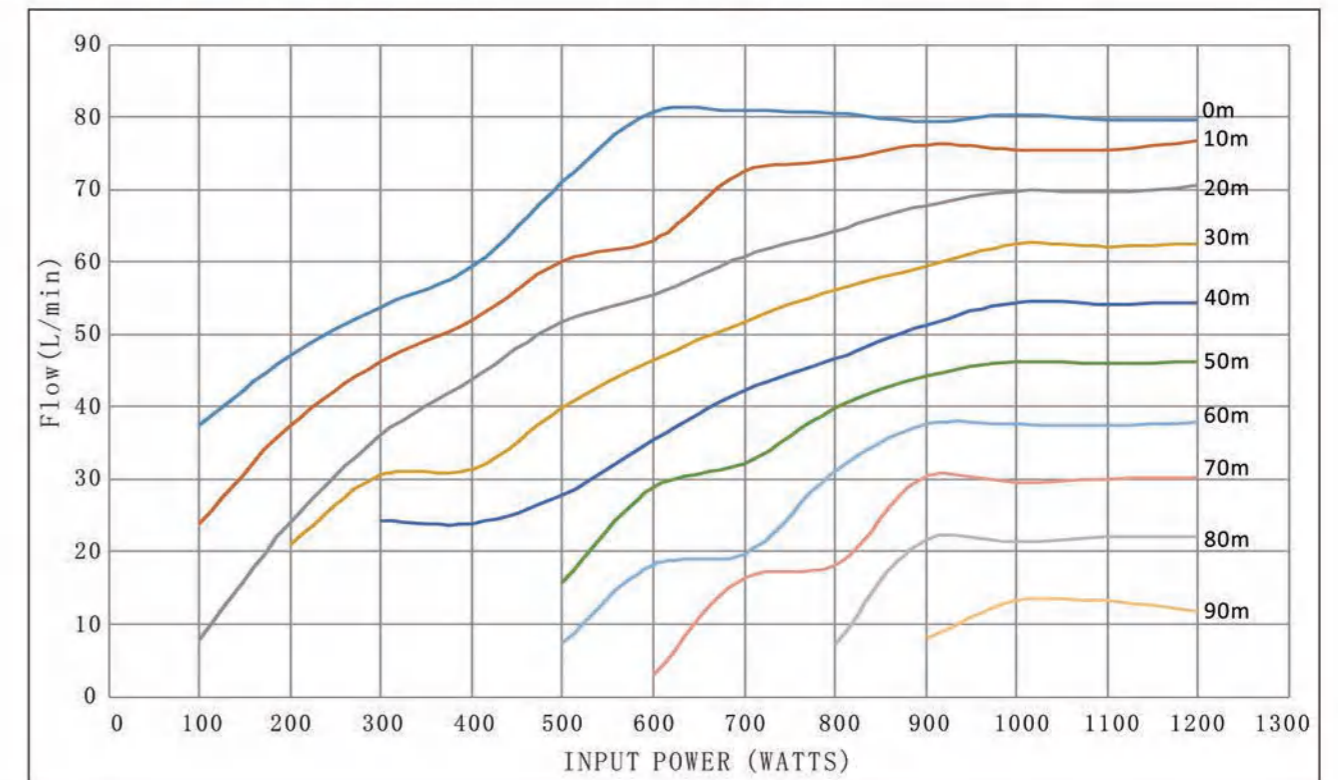
### 4SPW/N 2-7P MOTOR 0.75HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)									
	100	200	300	400	500	600	700	800	900	1000
	FLOW RATE (LITERS MINUTE)									
0	34	50	56	63	68	72	75	79	83	83
10	13	37	46	55	60	64	68	74	78	78
20		18	35	44	51	57	60	66	70	67
30		11	27	28	38	44	51	56	60	56
40				22	25	34	38	45	51	44
50					9	21	26	34	39	33
60						8	14	22	30	22
70								10	16	12

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW2-7P or 4SPN2-7P	84L/min	87m	65-110Vmp (VOCmax=150V)	1000-4000	300W*3	4"
	PV Connection	Max input power	Pump length(4SPN2-7P)	Volume(4SPN2-7P)	Gross weight(4SPN2-7P)	Net weight(4SPN2-7P)
	in series	0.9KW	0.72m	0.11m*0.11m*0.86m	8.3KGS	7.2KGS
	Outlet size	Motor size	Pump length(4SPW2-7P)	Volume(4SPW2-7P)	Gross weight(4SPW2-7P)	Net weight(4SPW2-7P)
	1.25"	3"	0.64m	0.11m*0.11m*0.76m 0.35m*0.26m*0.21m	12.1KGS	10.6KGS

### 4SPW/N 2-9P MOTOR 1HP Centrifugal pump (Plastic impeller)

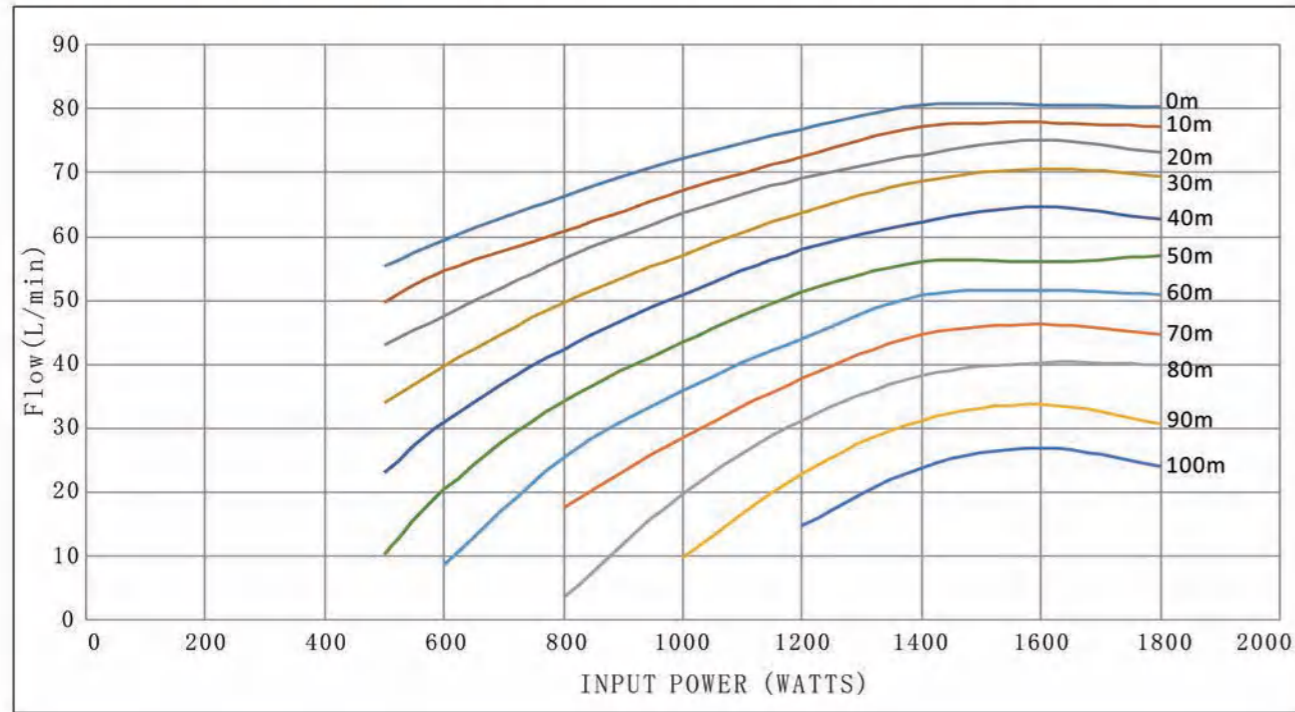


HEAD (m)	INPUT POWER (WATTS)											
	100	200	300	400	500	600	700	800	900	1000	1100	1200
	FLOW RATE (LITERS MINUTE)											
0	37	47	54	59	71	81	81	80	79	80	80	80
10	24	37	46	52	60	63	72	74	76	75	75	77
20	8	24	36	44	52	55	61	64	68	70	70	70
30		21	31	31	40	46	52	56	59	62	62	62
40			24	24	28	35	42	47	51	54	54	54
50					16	29	32	40	44	46	46	46
60					7	18	20	31	38	38	37	38
70						3	16	18	30	30	30	30
80								7	22	21	22	22
90									8	13	13	12

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW2-9P or 4SPN2-9P	80L/min	105m	80-150Vmp (VOCmax=180V)	1000-4000	300W*4	4"
	PV Connection	Max input power	Pump length(4SPN2-9P)	Volume(4SPN2-9P)	Gross weight(4SPN2-9P)	Net weight(4SPN2-9P)
	in series	1.2KW	0.77m	0.11m*0.11m*0.93m	9KGS	7.9KGS
	Outlet size	Motor size	Pump length(4SPW2-9P)	Volume(4SPW2-9P)	Gross weight(4SPW2-9P)	Net weight(4SPW2-9P)
	1.25"	3"	0.69m	0.11m*0.11m*0.81m 0.35m*0.26m*0.21m	12.8KGS	11.3KGS



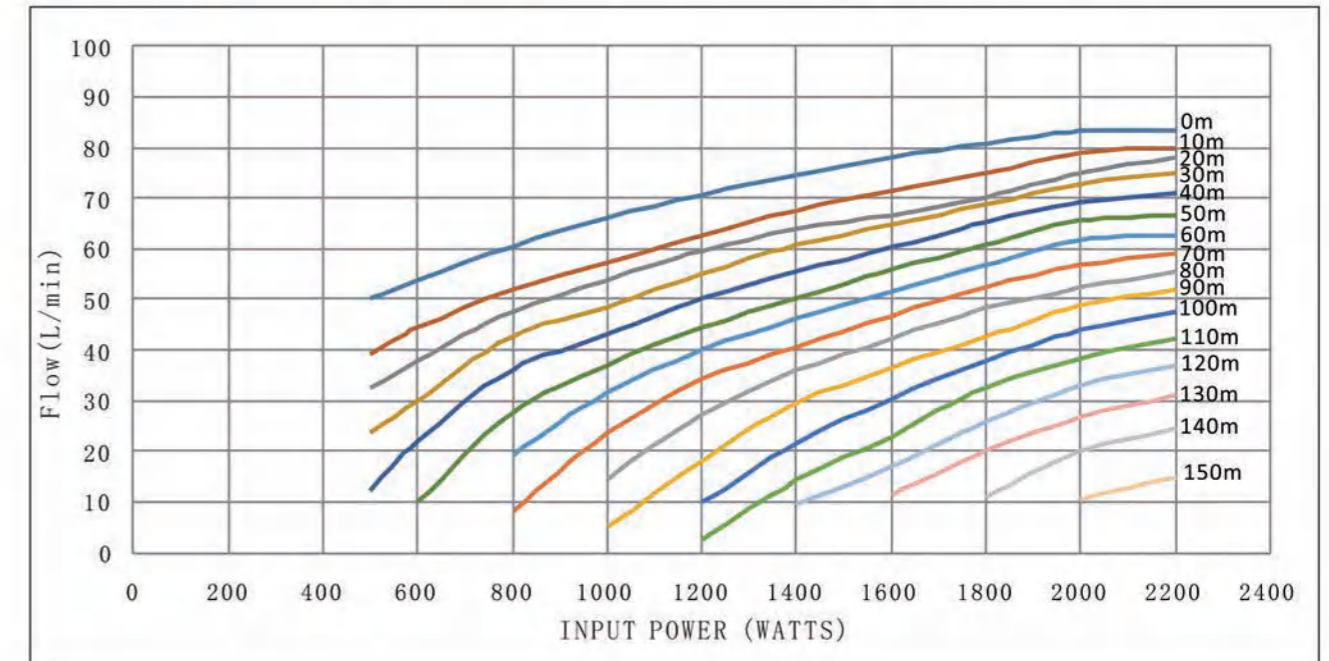
### 4SPW/N 2-11P MOTOR 1.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)							
	500	600	800	1000	1200	1400	1600	1800
	FLOW RATE (LITERS MINUTE)							
0	55	59	66	72	77	80	81	80
10	50	55	61	67	72	77	78	77
20	43	48	56	64	69	73	75	73
30	34	40	50	57	64	69	71	69
40	23	31	42	51	58	62	65	63
50	10	20	34	43	51	56	56	57
60		9	25	36	44	51	52	51
70			18	29	38	45	46	45
80			4	20	31	38	40	40
90				10	23	31	34	31
100					15	24	27	24

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW2-11P or 4SPN2-11P	80L/min	136m	130-190Vmp (VOCmax=230V)	500-3600	300W*5	4"
	PV Connection	Max input power	Pump length(4SPN2-11P)	Volume(4SPN2-11P)	Gross weight(4SPN2-11P)	Net weight(4SPN2-11P)
	in series	1.5KW	0.81m	0.11m*0.11m*0.93m	12.5KGS	11.3KGS
	Outlet size	Motor size	Pump length(4SPW2-11P)	Volume(4SPW2-11P)	Gross weight(4SPW2-11P)	Net weight(4SPW2-11P)
	1.25"	4"	0.73m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	15.3KGS	13.7KGS

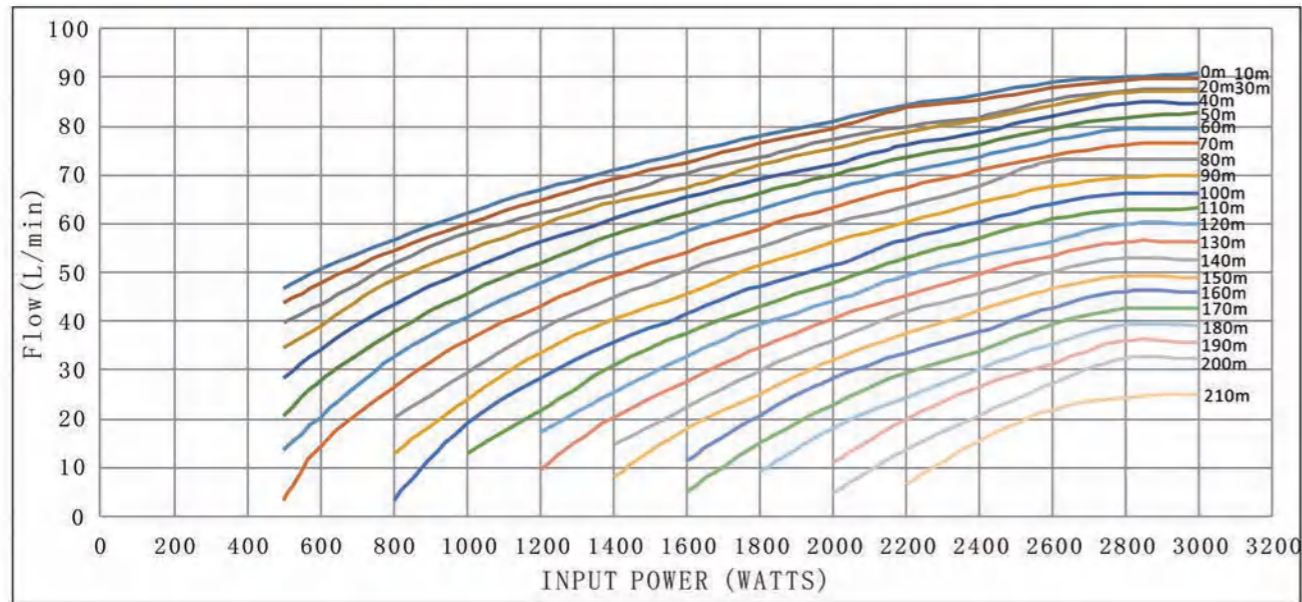
### 4SPW/N 2-13P MOTOR 2HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
	FLOW RATE (LITERS MINUTE)									
0	50	54	60	66	71	75	78	81	83	83
10	39	44	52	57	63	68	71	75	79	80
20	32	38	48	54	60	64	67	70	75	78
30	24	30	43	49	55	61	65	69	73	75
40	12	22	36	43	50	55	60	65	69	71
50		10	28	37	44	50	56	61	66	67
60			19	32	40	46	51	57	62	63
70			8	23	34	41	47	52	57	59
80				15	27	36	42	48	52	56
90				5	18	30	36	43	49	52
100					10	22	30	38	44	48
110					3	14	23	33	38	42
120						10	17	26	33	37
130							11	20	27	31
140								11	20	24
150									11	15

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW2-13P or 4SPN2-13P	82L/min	166m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	4"
	PV Connection	Max input power	Pump length(4SPN2-13P)	Volume(4SPN2-13P)	Gross weight(4SPN2-13P)	Net weight(4SPN2-13P)
	in series	2.1KW	1.05m	0.11m*0.11m*1.18m	14.7KGS	13.2KGS
	Outlet size	Motor size	Pump length(4SPW2-13P)	Volume(4SPW2-13P)	Gross weight(4SPW2-13P)	Net weight(4SPW2-13P)
	1.25"	4"	0.8m	0.11m*0.11m*0.93m 0.35m*0.26m*0.21m	16.8KGS	15.1KGS

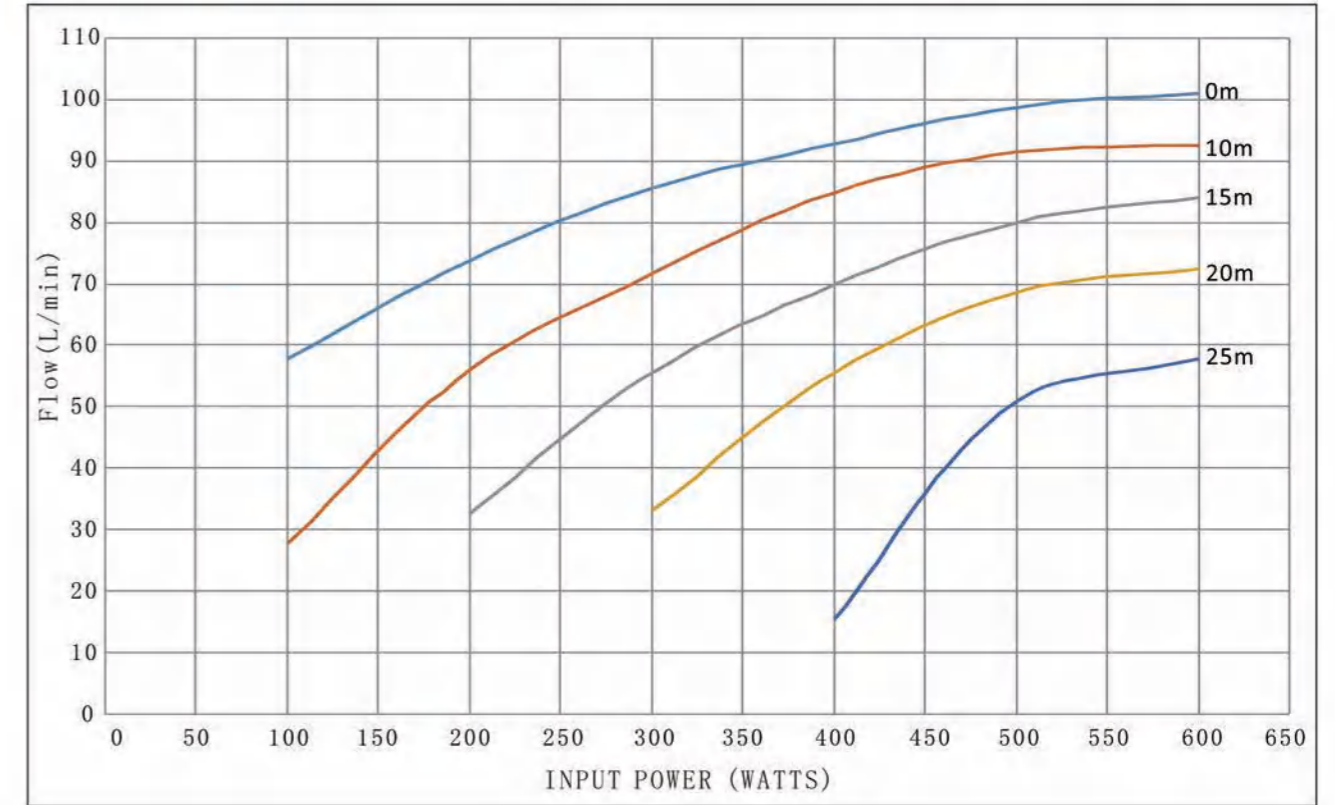
### 4SPW/N 2-17P MOTOR 3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)													
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
	FLOW RATE (LITERS MINUTE)													
0	47	51	57	62	67	71	75	78	81	84	86	89	90	91
10	44	48	55	60	65	69	73	76	80	84	85	88	89	90
20	40	43	52	58	62	66	70	74	77	80	82	85	87	88
30	35	39	49	55	60	64	67	72	76	79	81	84	87	87
40	28	34	43	50	56	61	65	69	72	76	79	82	85	85
50	20	28	38	46	52	58	62	66	70	74	76	79	82	83
60	14	20	33	41	48	54	58	63	67	71	74	77	79	79
70	3	14	27	36	43	49	54	59	63	67	71	74	76	76
80			20	30	38	45	50	55	60	64	68	73	73	73
90			13	24	33	40	46	51	56	60	64	68	69	70
100			3	19	28	36	41	47	51	57	60	64	66	66
110				13	22	31	38	43	48	53	57	61	63	63
120					17	25	33	39	44	49	53	56	60	60
130					10	20	28	35	41	45	50	53	56	56
140						15	22	30	36	42	46	50	53	53
150						8	18	25	32	37	42	47	49	49
160							11	21	28	33	38	43	46	46
170								5	15	23	30	34	39	43
180									9	18	24	30	35	39
190										11	20	26	31	36
200											5	14	21	27
210												7	15	22

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW2-17P or 4SPN2-17P	87L/min	211m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length(4SPN2-17P)	Volume(4SPN2-17P)	Gross weight(4SPN2-17P)	Net weight(4SPN2-17P)
	in series	3KW	1.18m	0.11m*0.11m*1.33m	16.9KGS	15.2KGS
	Outlet size	Motor size	Pump length(4SPW2-17P)	Volume(4SPW2-17P)	Gross weight(4SPW2-17P)	Net weight(4SPW2-17P)
	1.25"	4"	0.93m	0.11m*0.11m*1.06m 0.35m*0.26m*0.21m	19.1KGS	17.3KGS

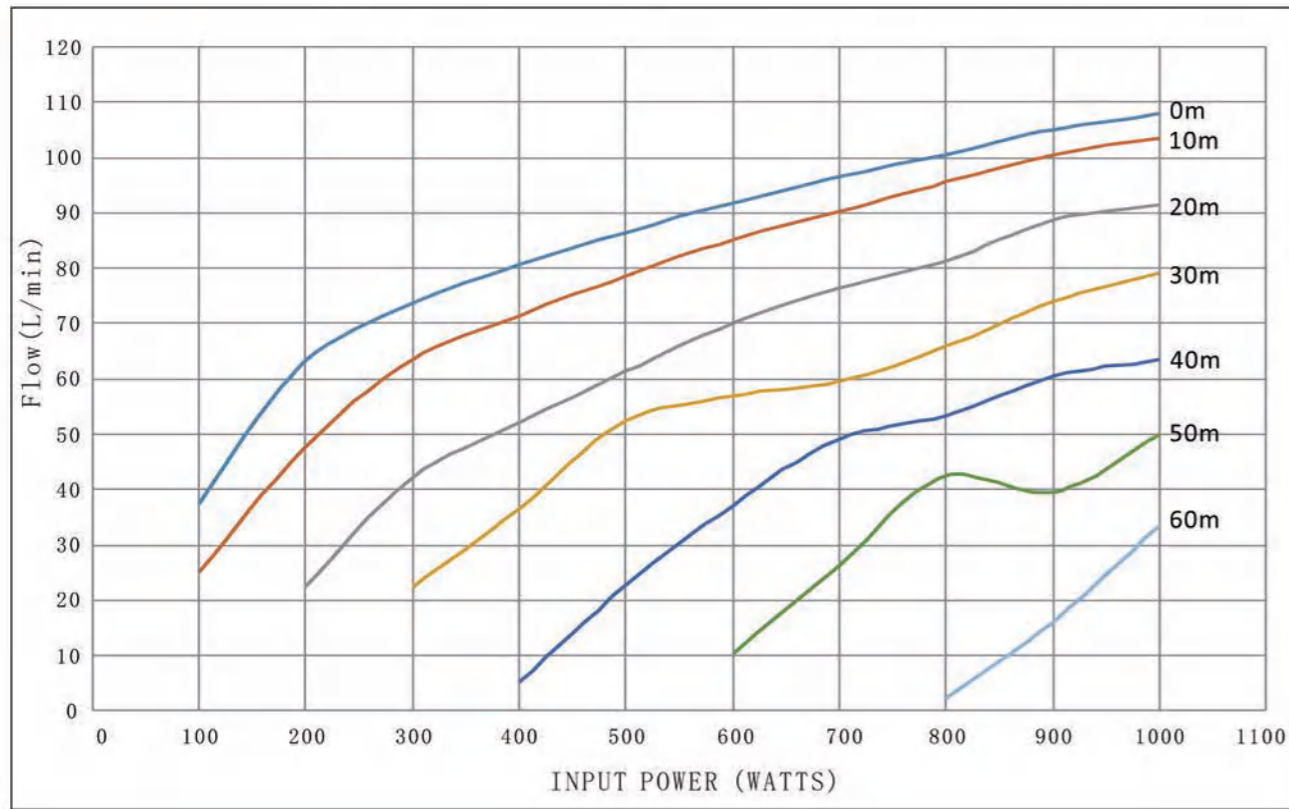
### 4SPW/N 3-3P MOTOR 0.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)					
	100	200	300	400	500	600
	FLOW RATE (LITERS MINUTE)					
0	58	74	86	93	99	101
10	28	56	72	85	91	93
15		33	56	70	80	84
20			33	56	69	72
25				16	51	58

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW3-3P or 4SPN3-3P	101L/min	32m	40-76Vmp (VOCmax=96V)	1000-4000	300W*2	4"
	PV Connection	Max input power	Pump length(4SPN3-3P)	Volume(4SPN3-3P)	Gross weight(4SPN3-3P)	Net weight(4SPN3-3P)
	in series	0.6KW	0.6m	0.11m*0.11m*0.7m	7KGS	6.1KGS
	Outlet size	Motor size	Pump length(4SPW3-3P)	Volume(4SPW3-3P)	Gross weight(4SPW3-3P)	Net weight(4SPW3-3P)
	1.25"	3"	0.53m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	11.3KGS	10KGS

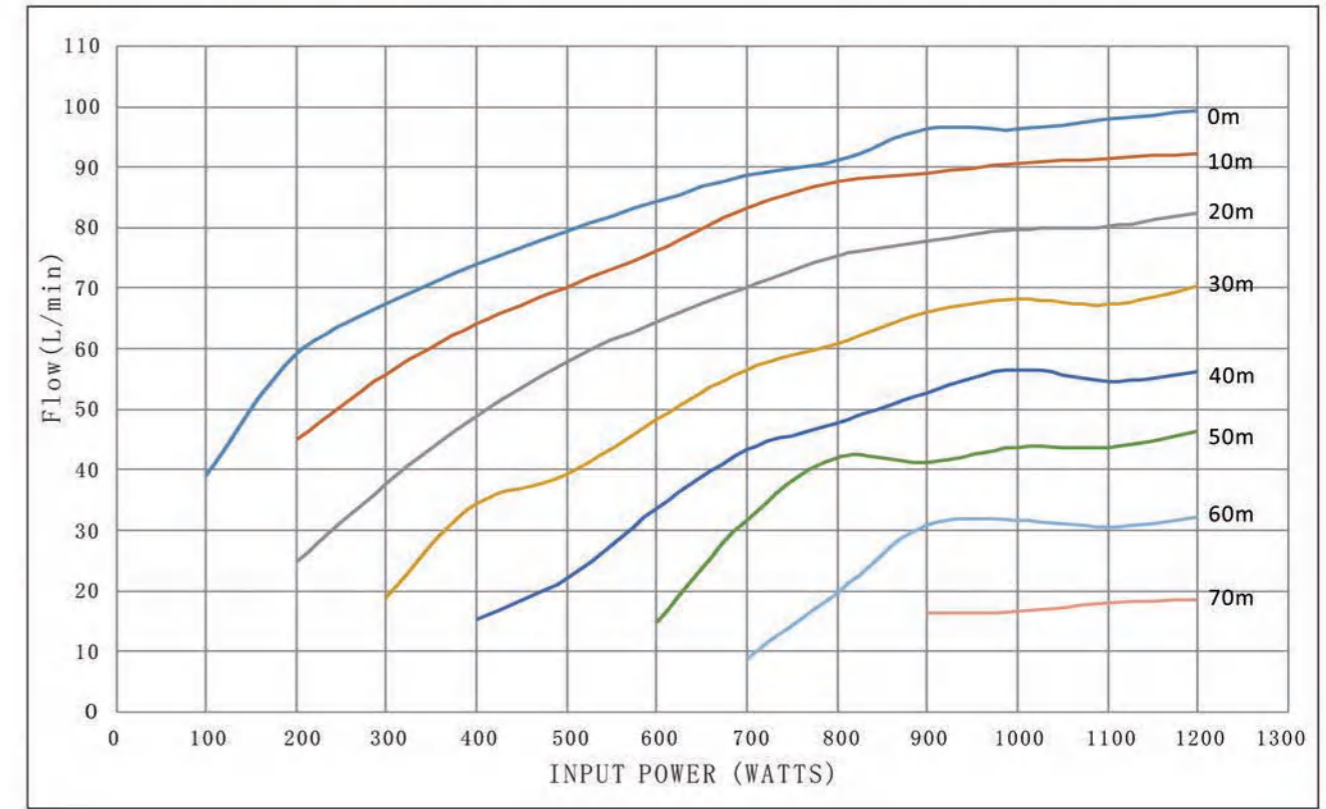
### 4SPW/N 3-5P MOTOR 0.75HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)									
	100	200	300	400	500	600	700	800	900	1000
	FLOW RATE (LITERS MINUTE)									
0	37	63	74	81	87	92	97	101	105	108
10	25	48	64	71	79	85	90	96	101	104
20		22	42	52	61	70	76	81	89	92
30			22	36	52	57	60	66	74	79
40				5	23	37	49	53	60	63
50						10	26	42	40	50
60								2	16	34

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW3-5P or 4SPN3-5P	110L/min	65m	65-110Vmp (VOCmax=150V)	1000-4000	300W*3	4"
	PV Connection	Max input power	Pump length(4SPN3-5P)	Volume(4SPN3-5P)	Gross weight(4SPN3-5P)	Net weight(4SPN3-5P)
	in series	0.9KW	0.66m	0.11m*0.11m*0.81m	8.2KGS	7.2KGS
	Outlet size	Motor size	Pump length(4SPW3-5P)	Volume(4SPW3-5P)	Gross weight(4SPW3-5P)	Net weight(4SPW3-5P)
	1.25"	3"	0.58m	0.11m*0.11m*0.7m 0.35m*0.26m*0.21m	12KGS	10.6KGS

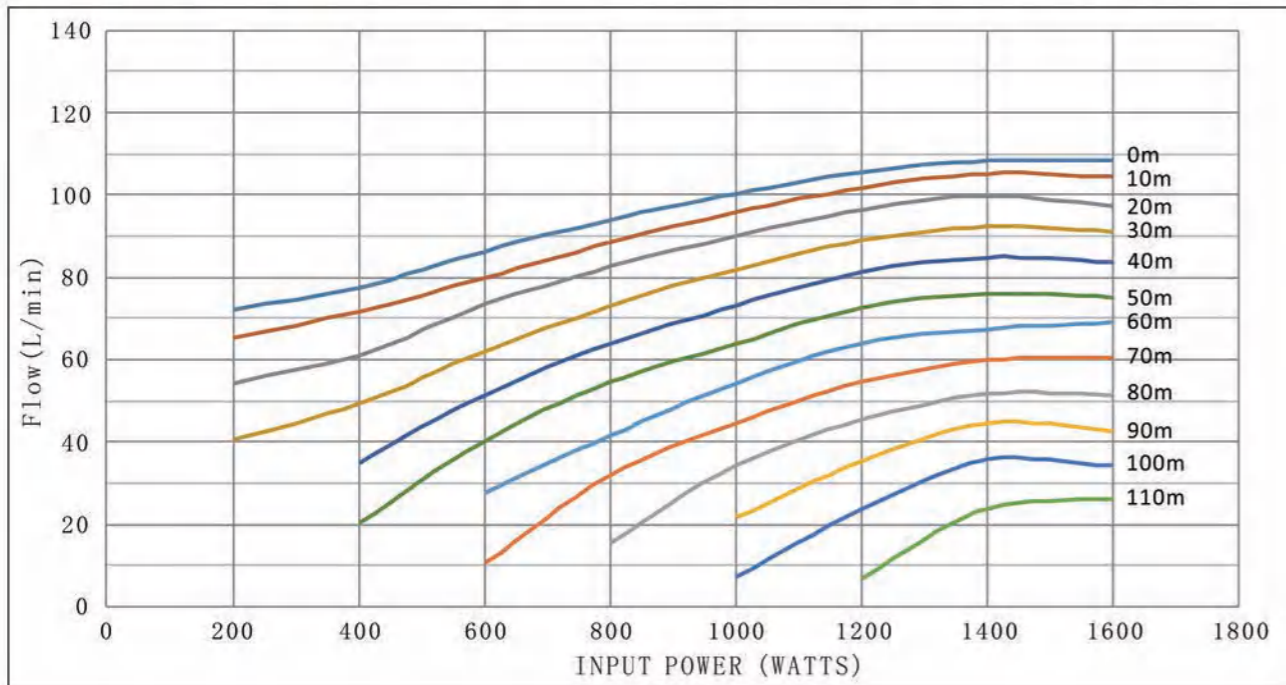
### 4SPW/N 3-7P MOTOR 1HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)											
	100	200	300	400	500	600	700	800	900	1000	1100	1200
	FLOW RATE (LITERS MINUTE)											
0	39	59	67	74	79	84	89	91	96	96	98	99
10		45	56	64	70	76	83	88	89	91	91	92
20		25	38	49	58	64	70	75	78	80	80	82
30			19	34	39	48	57	61	66	68	67	70
40				15	22	34	43	48	53	57	55	56
50						15	32	42	41	44	44	46
60							9	20	31	32	31	32
70									16	17	18	19

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW3-7P or 4SPN3-7P	99L/min	83m	80-150Vmp (VOCmax=180V)	1000-4000	300W*4	4"
	PV Connection	Max input power	Pump length(4SPN3-7P)	Volume(4SPN3-7P)	Gross weight(4SPN3-7P)	Net weight(4SPN3-7P)
	in series	1.2KW	0.71m	0.11m*0.11m*0.86m	8.9KGS	7.8KGS
	Outlet size	Motor size	Pump length(4SPW3-7P)	Volume(4SPW3-7P)	Gross weight(4SPW3-7P)	Net weight(4SPW3-7P)
	1.25"	3"	0.63m	0.11m*0.11m*0.75m 0.35m*0.26m*0.21m	12.7KGS	11.2KGS

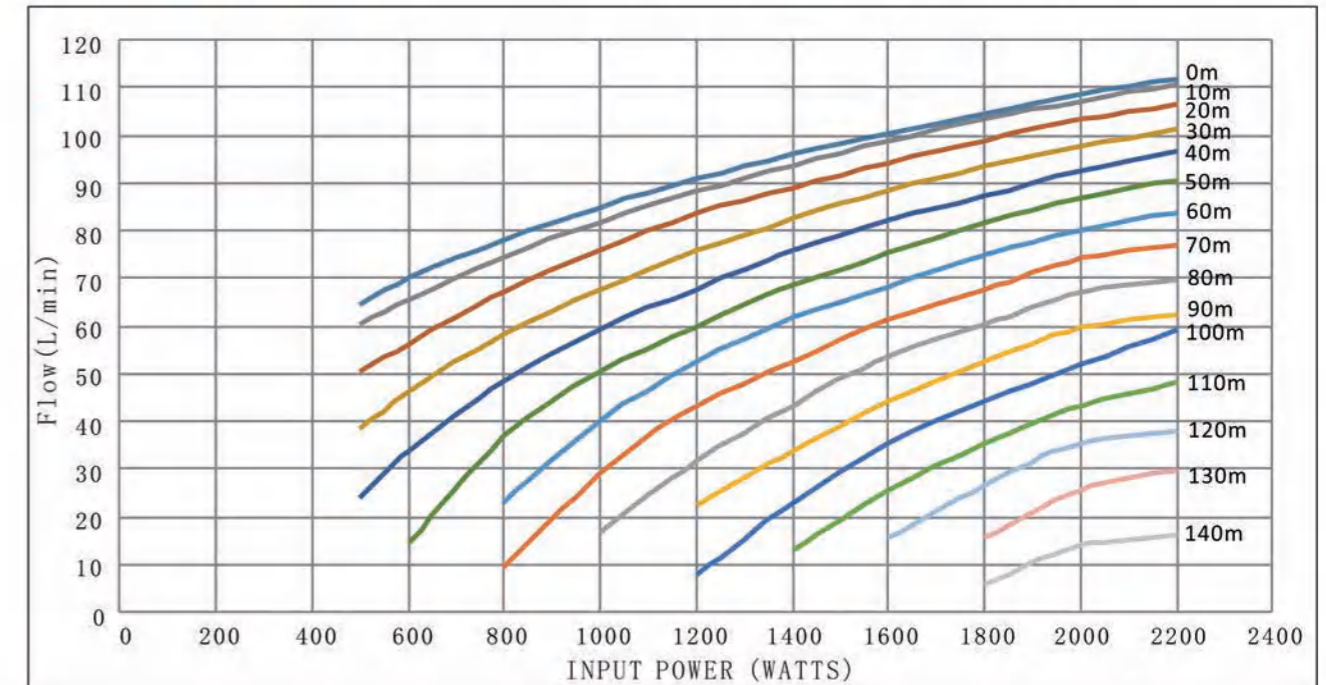
### 4SPW/N 3-9P MOTOR 1.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)							
	200	400	600	800	1000	1200	1400	1600
0	72	77	86	94	100	106	108	108
10	65	72	80	89	96	102	105	104
20	54	61	73	82	90	96	100	97
30	40	49	62	73	82	89	92	91
40		35	51	64	73	81	85	84
50		20	40	54	64	73	76	75
60			28	41	54	64	67	69
70			10	32	44	55	60	60
80				15	34	45	52	51
90					22	35	44	43
100					7	24	36	34
110						7	24	26

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW3-9P or 4SPN3-9P	113L/min	116m	130-190Vmp (VOCmax=230V)	500-3600	300W*5	4"
	PV Connection	Max input power	Pump length(4SPN3-9P)	Volume(4SPN3-9P)	Gross weight(4SPN3-9P)	Net weight(4SPN3-9P)
	in series	1.5KW	0.75m	0.11m*0.11m*0.86m	12.2KGS	11.1KGS
	Outlet size	Motor size	Pump length(4SPW3-9P)	Volume(4SPW3-9P)	Gross weight(4SPW3-9P)	Net weight(4SPW3-9P)
	1.25"	4"	0.67m	0.11m*0.11m*0.81m 0.35m*0.26m*0.21m	15KGS	13.5KGS

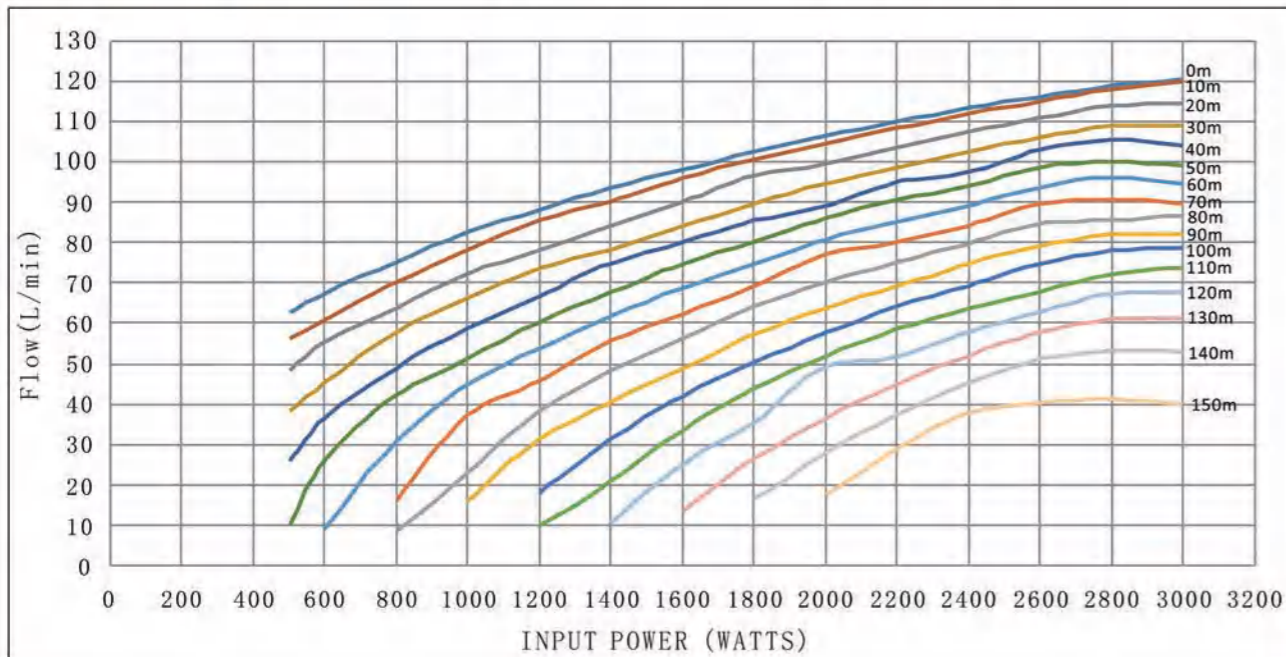
### 4SPW/N 3-11P MOTOR 2HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
0	65	70	78	85	91	96	101	104	109	112
10	61	66	75	82	88	94	99	103	107	111
20	50	56	67	76	84	89	94	99	103	107
30	38	46	58	68	76	82	89	93	98	101
40	24	34	49	59	68	76	82	87	93	97
50		14	37	51	60	69	75	82	87	91
60			23	40	53	62	68	75	80	84
70			9	29	43	53	61	68	74	77
80				17	32	43	54	60	67	70
90					23	34	44	53	60	63
100					8	23	36	44	52	59
110						13	26	36	43	48
120							16	27	36	38
130								16	26	30
140								6	14	16

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW3-11P or 4SPN3-11P	117L/min	142m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	4"
	PV Connection	Max input power	Pump length(4SPN3-11P)	Volume(4SPN3-11P)	Gross weight(4SPN3-11P)	Net weight(4SPN3-11P)
	in series	2.1KW	0.98m	0.11m*0.11m*1.15m	14KGS	12.6KGS
	Outlet size	Motor size	Pump length(4SPW3-11P)	Volume(4SPW3-11P)	Gross weight(4SPW3-11P)	Net weight(4SPW3-11P)
	1.25"	4"	0.73m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	16.1KGS	14.5KGS

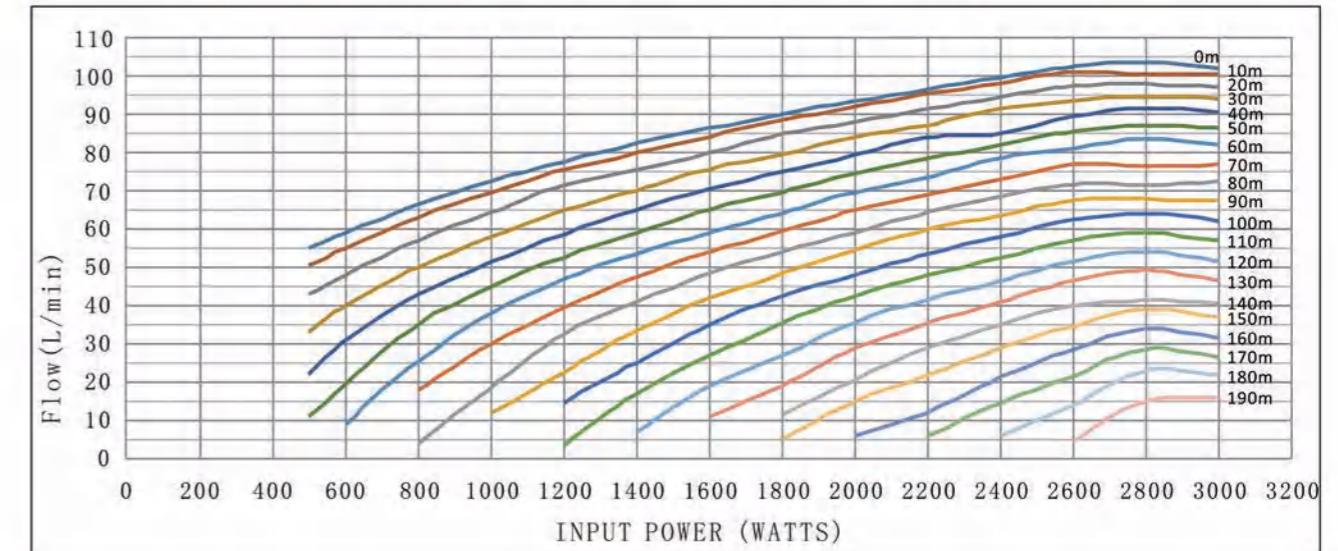
### 4SPW/N 3-12P MOTOR 2.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)													
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
0	63	67	75	82	88	93	98	102	106	110	113	116	119	120
10	56	61	70	78	86	90	96	101	104	108	112	115	118	120
20	49	55	64	72	78	84	90	96	99	103	107	111	114	114
30	38	45	58	66	73	78	84	89	95	98	103	106	109	109
40	26	37	49	59	67	75	80	85	89	95	97	103	105	104
50	10	26	42	51	60	68	75	80	86	90	94	99	100	99
60		9	31	45	54	62	69	75	81	85	89	94	96	95
70			16	37	46	56	62	69	77	80	84	89	91	90
80			8	23	38	48	56	64	70	75	80	85	86	87
90				16	31	40	49	57	64	69	75	79	82	82
100					18	31	42	50	58	64	69	75	78	79
110					10	21	34	44	52	59	64	68	72	74
120						11	25	35	49	52	58	63	67	68
130							14	26	37	45	52	58	61	61
140								16	28	37	45	51	53	53
150									17	29	38	40	41	40

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW3-12P or 4SPN3-12P	116L/min	155m	280-380Vmp (VOCmax=440V)	500-3600	300W*8	4"
	PV Connection	Max input power	Pump length(4SPN3-12P)	Volume(4SPN3-12P)	Gross weight(4SPN3-12P)	Net weight(4SPN3-12P)
	in series	2.4KW	1.04m	0.11m*0.11m*1.15m	15.6KGS	14.1KGS
	Outlet size	Motor size	Pump length(4SPW3-12P)	Volume(4SPW3-12P)	Gross weight(4SPW3-12P)	Net weight(4SPW3-12P)
	1.25"	4"	0.79m	0.11m*0.11m*0.93m 0.35m*0.26m*0.21m	17.9KGS	16.2KGS

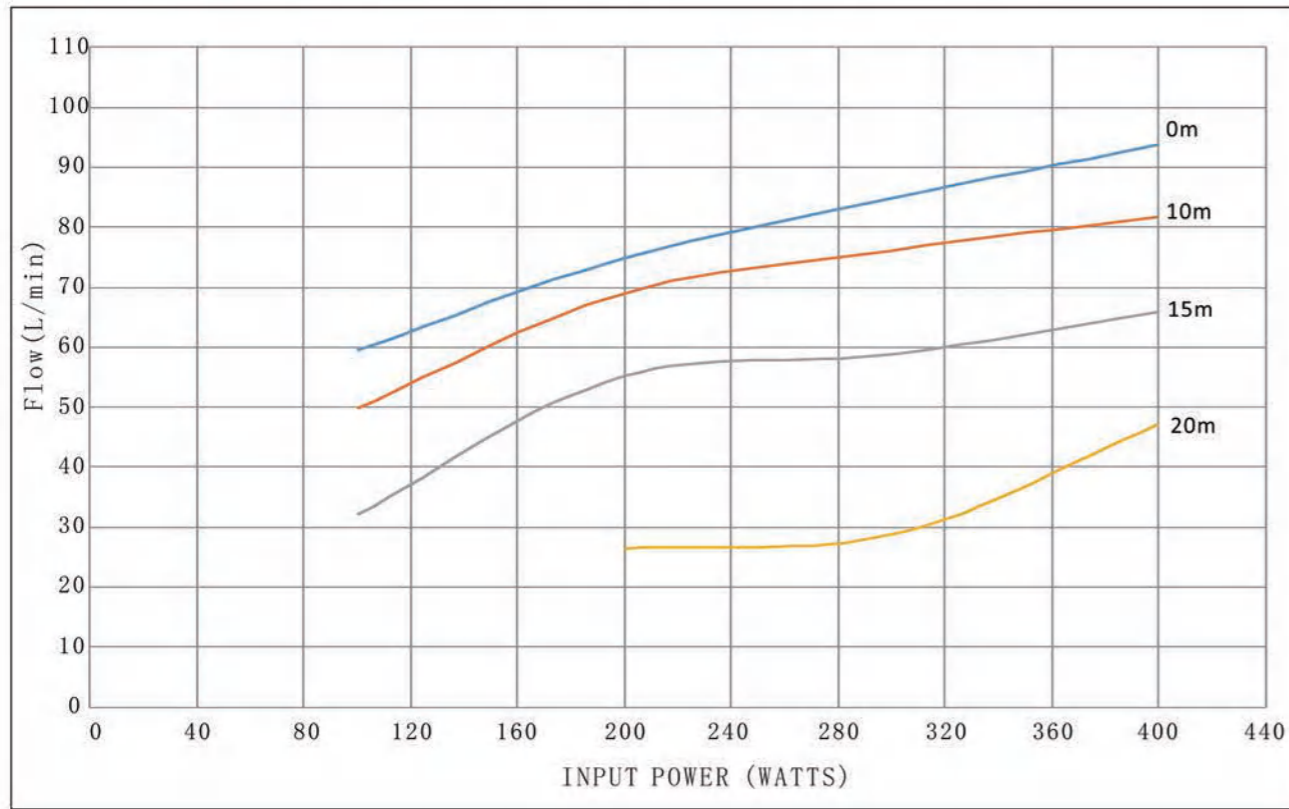
### 4SPW/N 3-15P MOTOR 3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)													
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
0	55	59	66	73	78	82	86	90	93	97	100	102	104	102
10	50	55	63	69	76	80	84	88	92	95	98	101	101	101
20	43	48	57	64	72	75	80	85	88	91	95	97	98	97
30	33	40	50	58	65	70	76	80	84	87	91	94	95	94
40	22	31	43	51	59	65	70	75	79	84	85	89	92	91
50	11	19	35	45	53	59	65	70	75	78	82	86	87	86
60		9	25	38	47	54	59	64	70	73	79	81	84	82
70			18	30	39	47	54	59	65	69	73	77	76	77
80			4	18	32	41	48	54	59	64	68	72	72	73
90				12	23	33	42	48	54	60	64	67	68	67
100					14	25	35	43	48	53	58	62	64	62
110					3	17	27	35	43	48	52	57	59	57
120						7	19	27	36	42	46	52	54	51
130							11	19	29	35	41	46	49	46
140								11	20	29	35	40	41	41
150									5	15	22	29	35	37
160										6	12	21	28	31
170											6	14	22	26
180												6	14	22
190													4	15

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW3-15P or 4SPN3-15P	105L/min	188m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length(4SPN3-15P)	Volume(4SPN3-15P)	Gross weight(4SPN3-15P)	Net weight(4SPN3-15P)
	in series	3KW	1.1m	0.11m*0.11m*1.25m	16.6KGS	15KGS
	Outlet size	Motor size	Pump length(4SPW3-15P)	Volume(4SPW3-15P)	Gross weight(4SPW3-15P)	Net weight(4SPW3-15P)
	1.25"	4"	0.86m	0.11m*0.11m*1.01m 0.35m*0.26m*0.21m	18.9KGS	17.1KGS

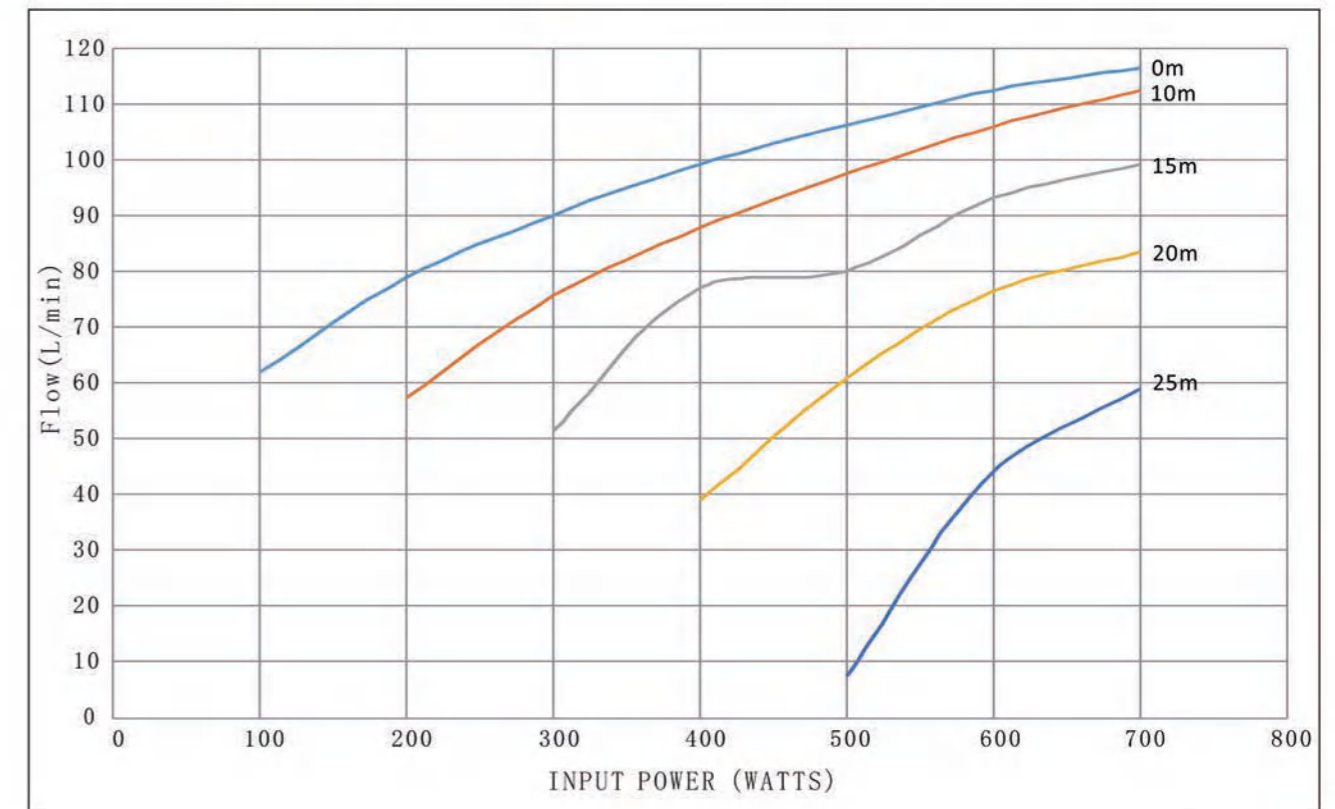
### 4SPW/N 4-2P MOTOR 0.3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)			
	100	200	300	400
0	59	75	85	94
10	50	69	76	82
15	32	55	59	66
20		26	29	47

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW4-2P or 4SPN4-2P	100L/min	28m	20-40Vmp (VOCmax=48V)	1000-4000	300W*1	4"
	PV Connection	Max input power	Pump length(4SPN4-2P)	Volume(4SPN4-2P)	Gross weight(4SPN4-2P)	Net weight(4SPN4-2P)
	in series	0.3KW	0.49m	0.11m*0.11m*0.67m	6.7KGS	5.9KGS
	Outlet size	Motor size	Pump length(4SPW4-2P)	Volume(4SPW4-2P)	Gross weight(4SPW4-2P)	Net weight(4SPW4-2P)
	1.25"	3"	0.44m	0.11m*0.11m*0.57m 0.35m*0.26m*0.21m	11.4KGS	10.2KGS

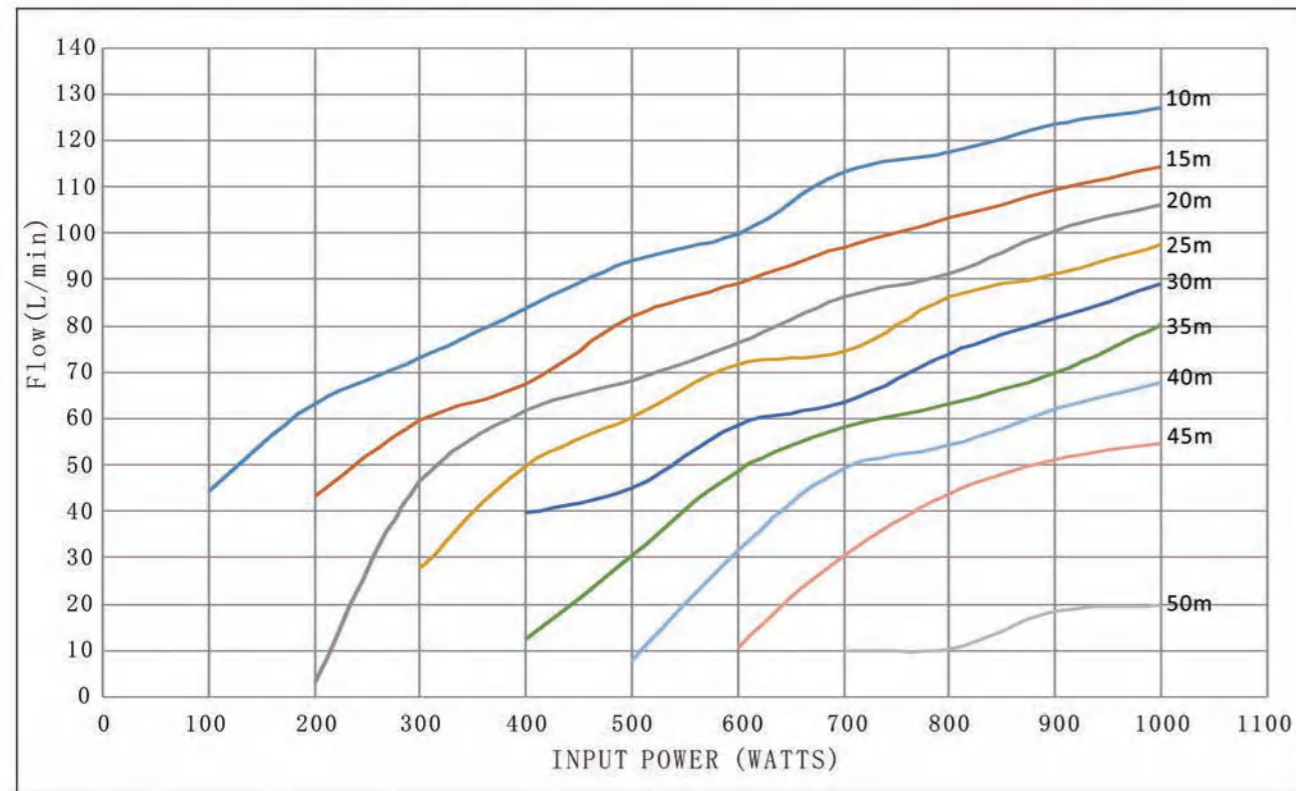
### 4SPW/N 4-3P MOTOR 0.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)						
	100	200	300	400	500	600	700
0	62	79	90	99	106	113	117
10		57	76	88	98	106	113
15			51	77	80	93	99
20				39	61	76	84
25					8	44	59

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW4-3P or 4SPN4-3P	113L/min	32m	40-76Vmp (VOCmax=96V)	1000-4000	300W*2	4"
	PV Connection	Max input power	Pump length(4SPN4-3P)	Volume(4SPN4-3P)	Gross weight(4SPN4-3P)	Net weight(4SPN4-3P)
	in series	0.6KW	0.54m	0.11m*0.11m*0.67m	7.2KGS	6.3KGS
	Outlet size	Motor size	Pump length(4SPW4-3P)	Volume(4SPW4-3P)	Gross weight(4SPW4-3P)	Net weight(4SPW4-3P)
	1.25"	3"	0.48m	0.11m*0.11m*0.63m 0.35m*0.26m*0.21m	11.5KGS	10.2KGS

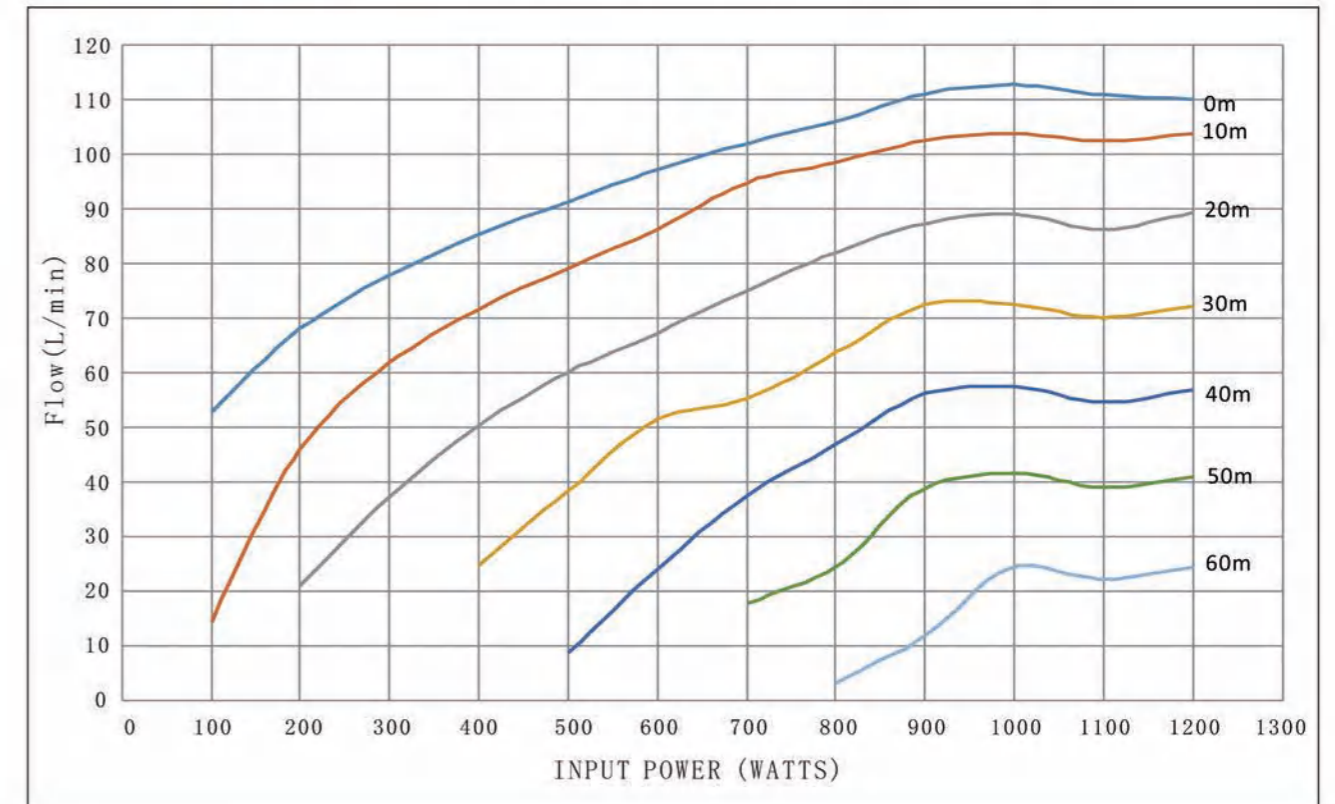
### 4SPW/N 4-4P MOTOR 0.75HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)									
	100	200	300	400	500	600	700	800	900	1000
	FLOW RATE (LITERS MINUTE)									
10	44	63	73	84	94	100	113	117	123	127
15		43	59	67	82	89	97	103	109	114
20		3	46	62	68	76	86	91	101	106
25			28	50	60	72	74	86	91	98
30				40	45	59	63	74	82	89
35				12	30	49	58	63	70	80
40					8	31	49	54	62	68
45						11	31	44	51	55
50							10	10	18	20

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW4-4P or 4SPN4-4P	129L/min	53m	65-110Vmp (VOCmax=150V)	1000-4000	300W*3	4"
	PV Connection	Max input power	Pump length(4SPN4-4P)	Volume(4SPN4-4P)	Gross weight(4SPN4-4P)	Net weight(4SPN4-4P)
	in series	0.9KW	0.6m	0.11m*0.11m*0.7m	8KGS	7.1KGS
	Outlet size	Motor size	Pump length(4SPW4-4P)	Volume(4SPW4-4P)	Gross weight(4SPW4-4P)	Net weight(4SPW4-4P)
	1.25"	3"	0.51m	0.11m*0.11m*0.63m 0.35m*0.26m*0.21m	11.8KGS	10.5KGS

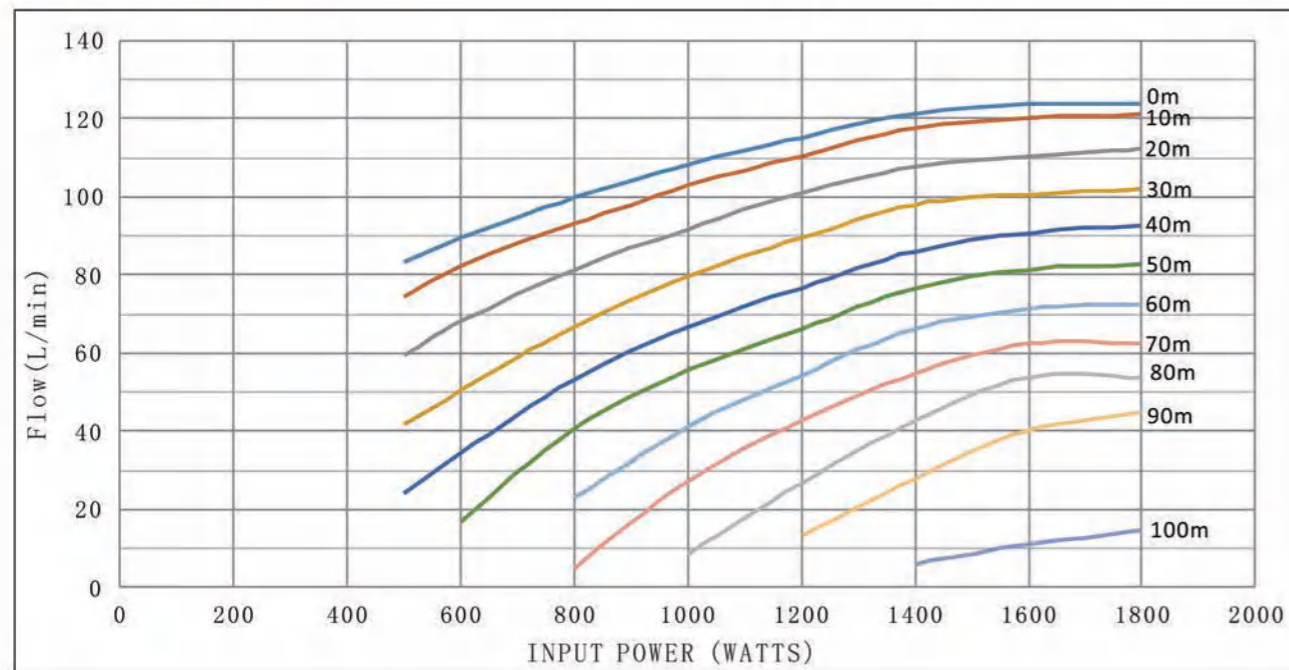
### 4SPW/N 4-6P MOTOR 1HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)											
	100	200	300	400	500	600	700	800	900	1000	1100	1200
	FLOW RATE (LITERS MINUTE)											
0	53	68	78	85	91	97	102	106	111	113	111	110
10	15	46	62	72	79	86	95	99	103	104	102	104
20		21	37	50	60	67	75	82	87	89	86	89
30				25	38	51	55	64	72	72	70	72
40					9	24	37	47	56	57	55	57
50							18	24	39	42	39	41
60								3	12	24	22	24

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW4-6P or 4SPN4-6P	110L/min	72m	80-150Vmp (VOCmax=180V)	1000-4000	300W*4	4"
	PV Connection	Max input power	Pump length(4SPN4-6P)	Volume(4SPN4-6P)	Gross weight(4SPN4-6P)	Net weight(4SPN4-6P)
	in series	1.2KW	0.67m	0.11m*0.11m*0.81m	8.7KGS	7.7KGS
	Outlet size	Motor size	Pump length(4SPW4-6P)	Volume(4SPW4-6P)	Gross weight(4SPW4-6P)	Net weight(4SPW4-6P)
	1.25"	3"	0.58m	0.11m*0.11m*0.7m 0.35m*0.26m*0.21m	12.5KGS	11.1KGS

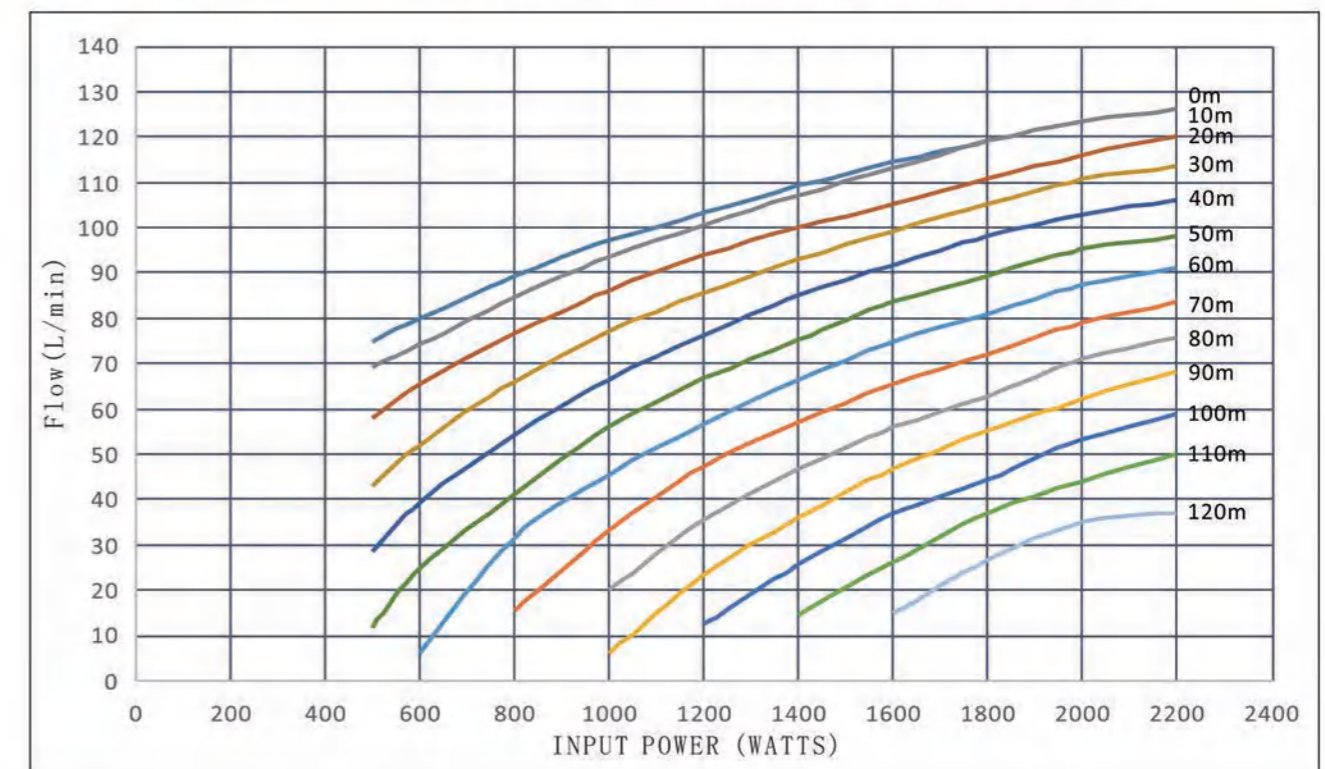
### 4SPW/N 4-8P MOTOR 1.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)							
	500	600	800	1000	1200	1400	1600	1800
	FLOW RATE (LITERS MINUTE)							
0	84	90	100	108	115	121	124	124
10	74	82	93	103	111	118	120	121
20	59	68	81	92	101	108	110	112
30	42	50	67	79	90	98	101	102
40	24	35	53	67	77	86	91	93
50		17	41	56	66	77	81	83
60			23	41	54	66	71	72
70			5	27	43	55	62	63
80				9	27	43	54	54
90					13	28	40	45
100						6	11	15

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW4-8P or 4SPN4-8P	130L/min	104m	130-190Vmp (VOCmax=230V)	500-3600	300W*5	4"
	PV Connection	Max input power	Pump length(4SPN4-8P)	Volume(4SPN4-8P)	Gross weight(4SPN4-8P)	Net weight(4SPN4-8P)
	in series	1.5KW	0.74m	0.11m*0.11m*0.86m	12.1KGS	11KGS
	Outlet size	Motor size	Pump length(4SPW4-8P)	Volume(4SPW4-8P)	Gross weight(4SPW4-8P)	Net weight(4SPW4-8P)
	1.25"	4"	0.65m	0.11m*0.11m*0.76m 0.35m*0.26m*0.21m	14.9KGS	13.4KGS

### 4SPW/N 4-10P MOTOR 2HP Centrifugal pump (Plastic impeller)

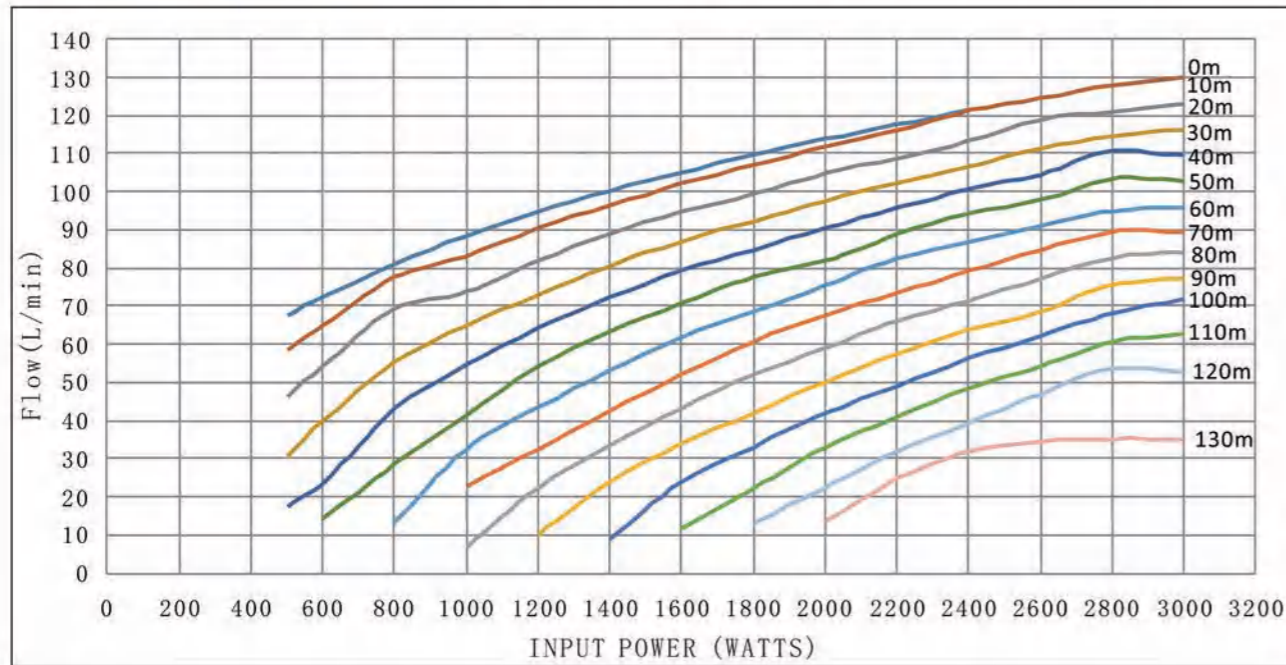


HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
	FLOW RATE (LITERS MINUTE)									
0	75	80	89	97	103	109	114	119	123	126
10	69	74	84	93	101	107	113	119	123	126
20	58	65	76	86	94	100	105	111	116	120
30	43	52	66	77	86	93	99	105	111	114
40	29	39	54	66	76	85	92	98	103	106
50	12	25	41	56	67	75	84	89	95	98
60		6	31	46	57	66	75	81	87	91
70			16	33	47	57	65	72	79	83
80				20	36	47	56	63	71	76
90				6	23	36	47	55	62	68
100					12	26	37	44	53	59
110						15	26	37	44	50
120							15	27	35	37

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW4-10P or 4SPN4-10P	132L/min	130m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	4"
	PV Connection	Max input power	Pump length(4SPN4-10P)	Volume(4SPN4-10P)	Gross weight(4SPN4-10P)	Net weight(4SPN4-10P)
	in series	2.1KW	1m	0.11m*0.11m*1.15m	14.1KGS	12.7KGS
	Outlet size	Motor size	Pump length(4SPW4-10P)	Volume(4SPW4-10P)	Gross weight(4SPW4-10P)	Net weight(4SPW4-10P)
	1.25"	4"	0.74m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	16.2KGS	10.6KGS



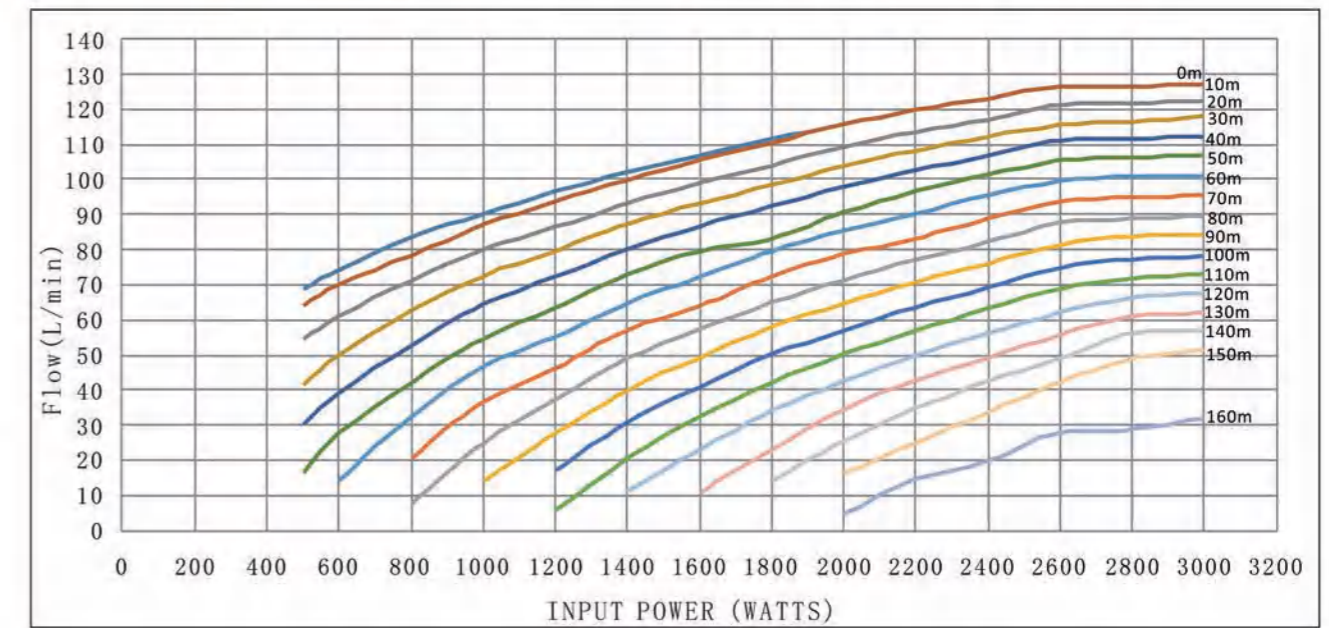
### 4SPW/N 4-11P MOTOR 2.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)														
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	
0	68	72	81	88	95	100	105	110	114	118	121	125	128	130	
10	59	65	77	83	90	96	102	107	112	116	121	125	128	130	
20	46	54	69	74	82	89	95	99	105	109	113	119	121	123	
30	30	40	55	65	73	81	87	92	98	102	106	111	115	116	
40	18	23	43	55	64	72	79	85	90	96	101	105	111	109	
50		14	29	41	54	63	71	78	82	89	94	98	103	103	
60			13	33	43	53	62	69	75	82	87	91	95	96	
70				23	32	43	52	61	68	73	79	85	89	89	
80					7	22	33	43	52	59	66	71	77	83	84
90						10	24	34	42	50	57	64	69	76	77
100							9	24	33	42	49	56	62	68	72
110								12	22	33	41	48	54	61	63
120									13	22	32	39	47	54	53
130										13	25	32	35	35	35

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW4-11P or 4SPN4-11P	136L/min	142m	280-380Vmp (VOCmax=440V)	500-3600	300W*8	4"
	PV Connection	Max input power	Pump length(4SPN4-11P)	Volume(4SPN4-11P)	Gross weight(4SPN4-11P)	Net weight(4SPN4-11P)
	in series	2.4KW	1.06m	0.11m*0.11m*1.18m	15.7KGS	14.2KGS
	Outlet size	Motor size	Pump length(4SPW4-11P)	Volume(4SPW4-11P)	Gross weight(4SPW4-11P)	Net weight(4SPW4-11P)
	1.25"	4"	0.81m	0.11m*0.11m*0.93m 0.35m*0.26m*0.21m	18KGS	16.3KGS

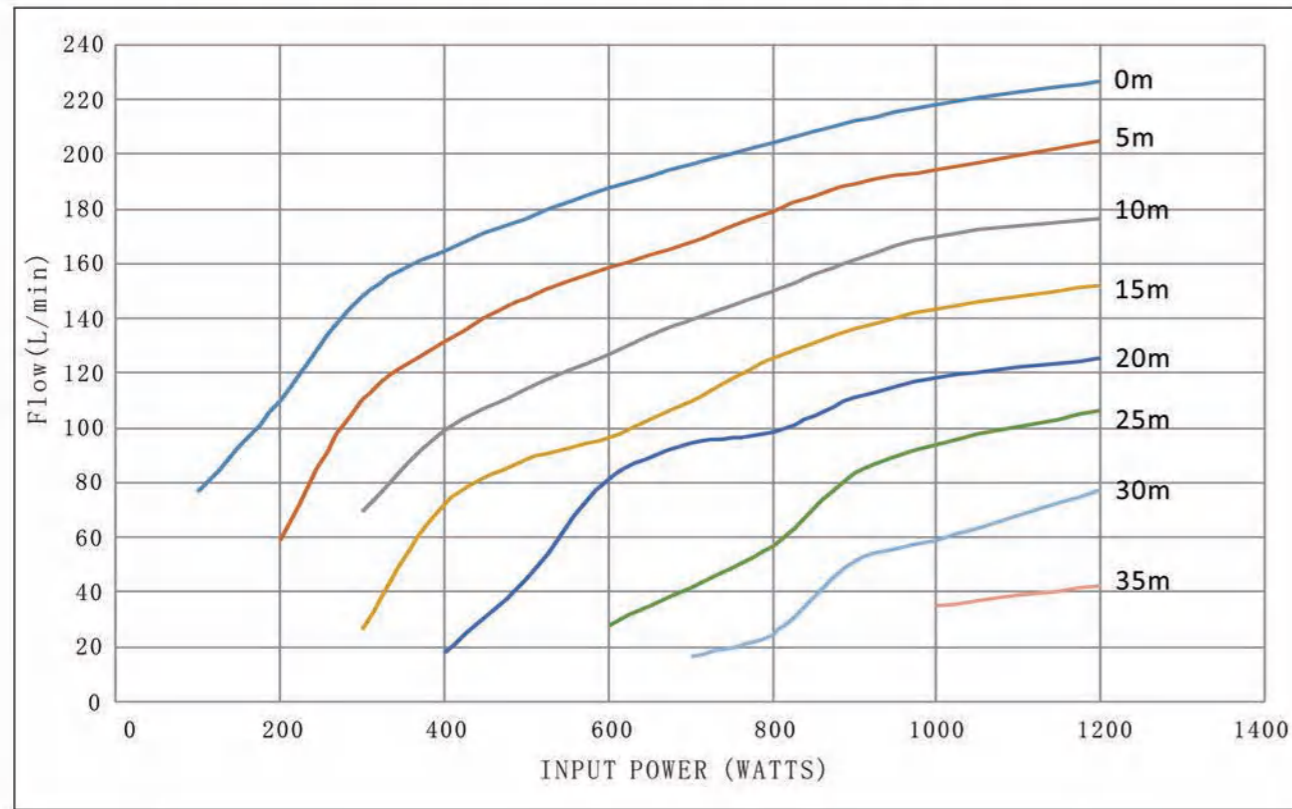
### 4SPW/N 4-13P MOTOR 3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)														
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	
0	69	74	84	90	96	102	107	111	116	120	123	126	127	127	
10	64	70	78	87	94	100	105	110	116	120	123	126	127	127	
20	54	61	71	80	86	93	99	104	109	114	117	121	122	122	
30	42	50	63	73	80	87	93	98	104	108	112	115	116	118	
40	30	39	53	64	72	80	87	92	98	102	107	111	112	112	
50	17	28	42	55	63	73	80	83	91	96	101	105	106	107	
60		14	32	47	55	65	72	79	85	90	96	99	101	101	
70			20	37	46	57	64	72	79	83	89	94	95	95	
80				7	25	37	49	57	65	71	77	82	88	89	89
90					14	28	40	49	58	65	71	76	81	84	84
100						17	31	41	50	57	64	69	75	77	78
110							6	20	33	42	50	57	63	69	73
120								11	23	34	43	50	56	62	68
130									11	23	34	43	49	56	62
140										14	25	35	43	49	57
150											16	25	34	42	51
160												4	15	20	32

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW4-13P or 4SPN4-13P	125L/min	164m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length(4SPN4-13P)	Volume(4SPN4-13P)	Gross weight(4SPN4-13P)	Net weight(4SPN4-13P)
	in series	3KW	1.13m	0.11m*0.11m*1.25m	16.3KGS	14.7KGS
	Outlet size	Motor size	Pump length(4SPW4-13P)	Volume(4SPW4-13P)	Gross weight(4SPW4-13P)	Net weight(4SPW4-13P)
	1.25"	4"	0.88m	0.11m*0.11m*1.01m 0.35m*0.26m*0.21m	18.6KGS	16.8KGS

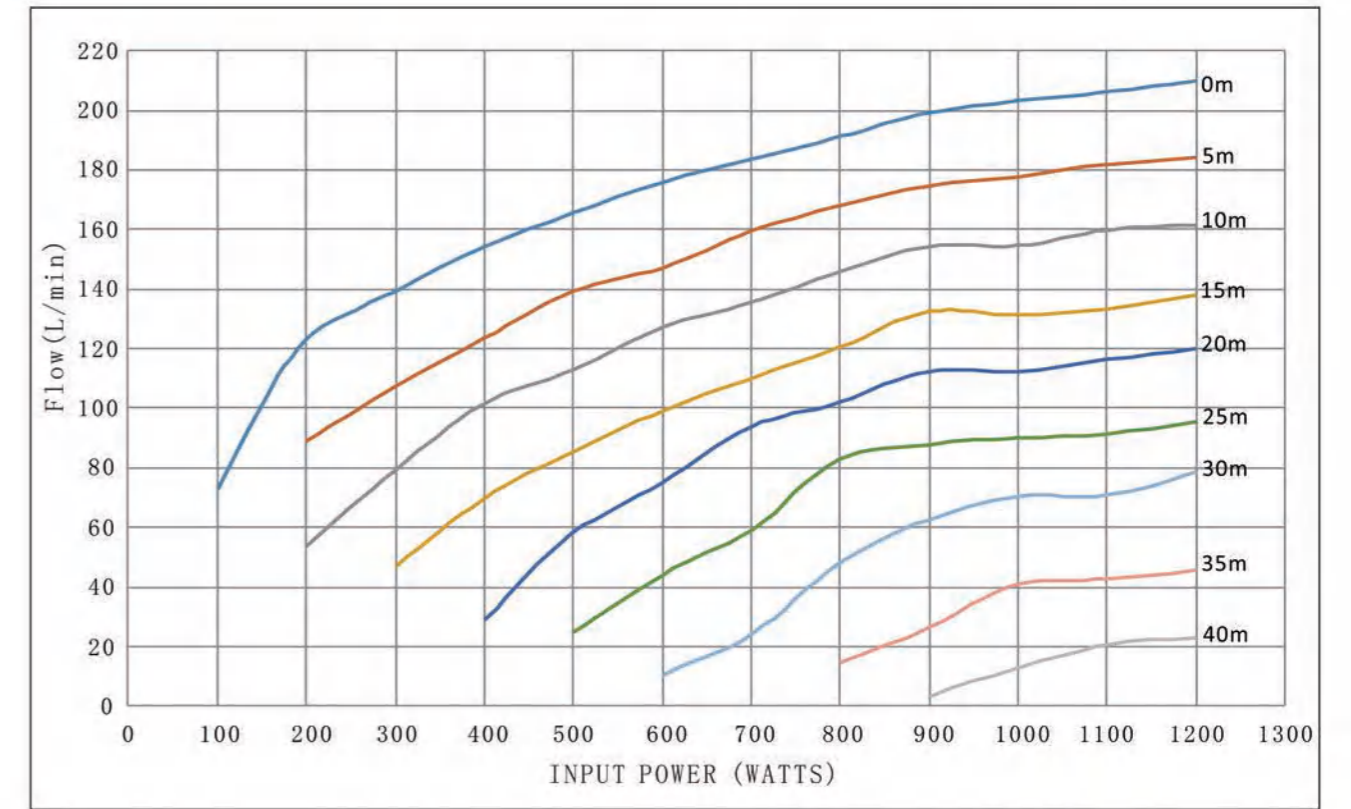
### 4SPW/N 6-3P MOTOR 0.75HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)										
	100	200	300	400	500	600	700	800	900	1000	1200
0	76	110	148	165	177	188	196	204	212	218	227
5		59	110	131	148	158	168	179	189	194	205
10			69	99	114	127	140	150	161	170	177
15			27	72	88	97	110	125	136	143	152
20				18	45	81	94	98	111	118	125
25						28	42	57	83	94	106
30							16	25	51	59	77
35										35	43

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW6-3P or 4SPN6-3P	227L/min	38m	65-110Vmp (VOCmax=150V)	1000-4000	300W*3	4"
	PV Connection	Max input power	Pump length(4SPN6-3P)	Volume(4SPN6-3P)	Gross weight(4SPN6-3P)	Net weight(4SPN6-3P)
	in series	0.9KW	0.63m	0.11m*0.11m*0.76m	8.2KGS	7.2KGS
	Outlet size	Motor size	Pump length(4SPW6-3P)	Volume(4SPW6-3P)	Gross weight(4SPW6-3P)	Net weight(4SPW6-3P)
	1.5"	3"	0.54m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	12KGS	10.6KGS

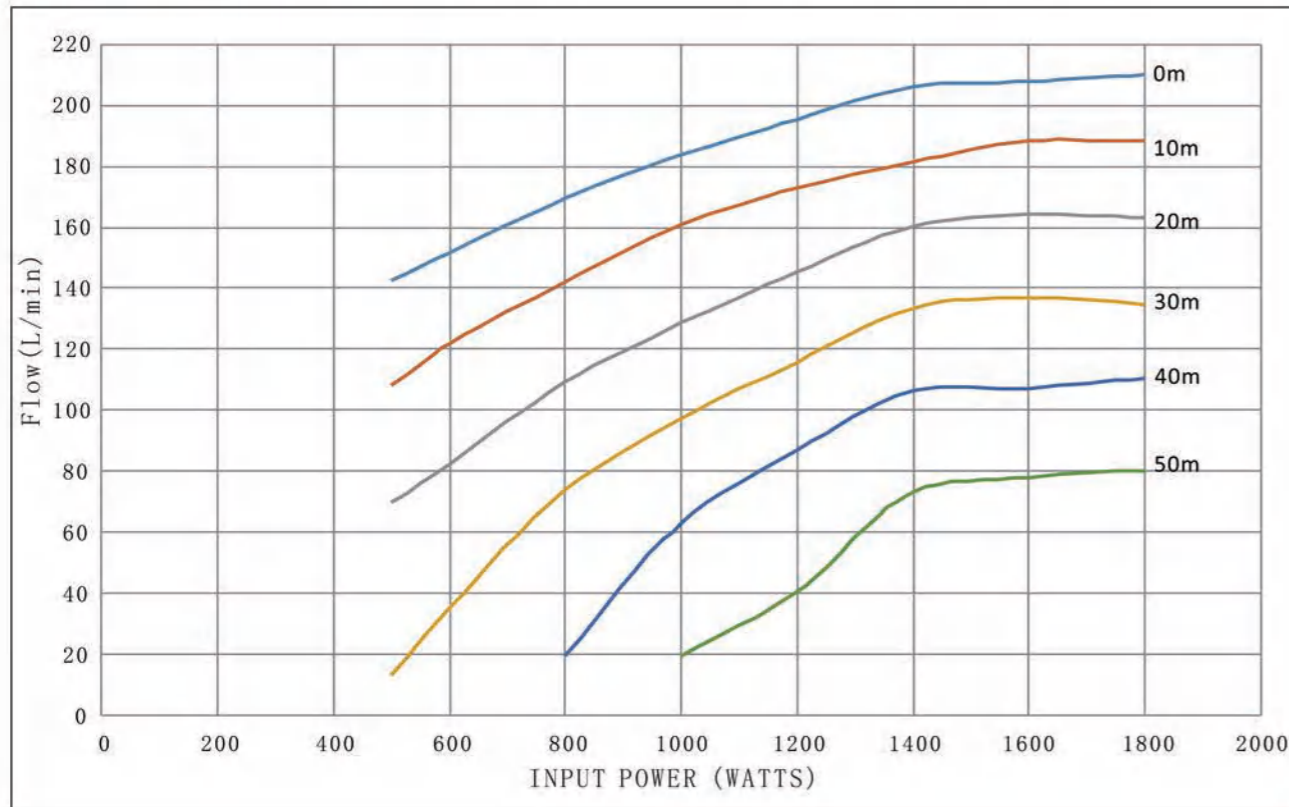
### 4SPW/N 6-4P MOTOR 1HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)											
	100	200	300	400	500	600	700	800	900	1000	1100	1200
0	73	123	139	154	165	176	183	191	199	203	206	210
5		89	107	123	139	147	159	168	175	178	182	184
10		54	79	102	113	127	135	146	154	155	160	161
15			47	70	85	99	110	120	132	131	133	138
20				29	58	75	94	102	113	112	116	120
25					25	44	59	83	88	90	91	96
30						11	24	48	63	70	71	78
35								15	26	41	43	46
40									4	13	21	23

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW6-4P or 4SPN6-4P	210L/min	46m	80-150Vmp (VOCmax=180V)	1000-4000	300W*4	4"
	PV Connection	Max input power	Pump length(4SPN6-4P)	Volume(4SPN6-4P)	Gross weight(4SPN6-4P)	Net weight(4SPN6-4P)
	in series	1.2KW	0.65m	0.11m*0.11m*0.76m	8.4KGS	7.4KGS
	Outlet size	Motor size	Pump length(4SPW6-4P)	Volume(4SPW6-4P)	Gross weight(4SPW6-4P)	Net weight(4SPW6-4P)
	1.5"	3"	0.57m	0.11m*0.11m*0.7m 0.35m*0.26m*0.21m	12.2KGS	10.8KGS

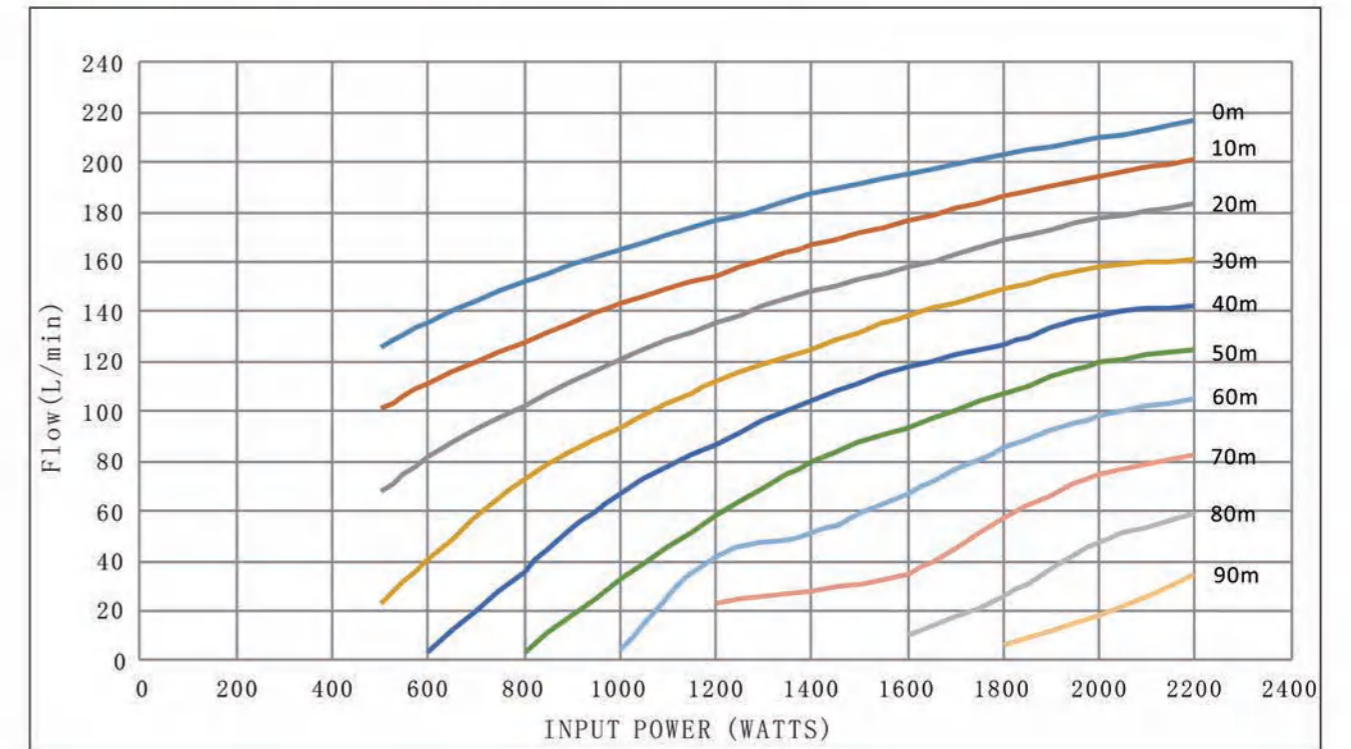
### 4SPW/N 6-6P MOTOR 1.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)							
	500	600	800	1000	1200	1400	1600	1800
	FLOW RATE (LITERS MINUTE)							
0	143	152	169	184	195	206	208	210
10	108	122	142	161	173	181	188	188
20	70	82	109	129	145	160	164	163
30	14	35	74	97	116	134	137	135
40			20	63	87	106	107	111
50				20	41	73	78	80

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW6-6P or 4SPN6-6P	208L/min	77m	130-190Vmp (VOCmax=230V)	500-3600	300W*5	4"
	PV Connection	Max input power	Pump length(4SPN6-6P)	Volume(4SPN6-6P)	Gross weight (4SPN6-6P)	Net weight (4SPN6-6P)
	in series	1.5KW	0.69m	0.11m*0.11m*0.81m	11.6KGS	10.6KGS
	Outlet size	Motor size	Pump length(4SPW6-6P)	Volume(4SPW6-6P)	Gross weight (4SPW6-6P)	Net weight (4SPW6-6P)
	1.5"	4"	0.61m	0.11m*0.11m*0.76m 0.35m*0.26m*0.21m	14.4KGS	13KGS

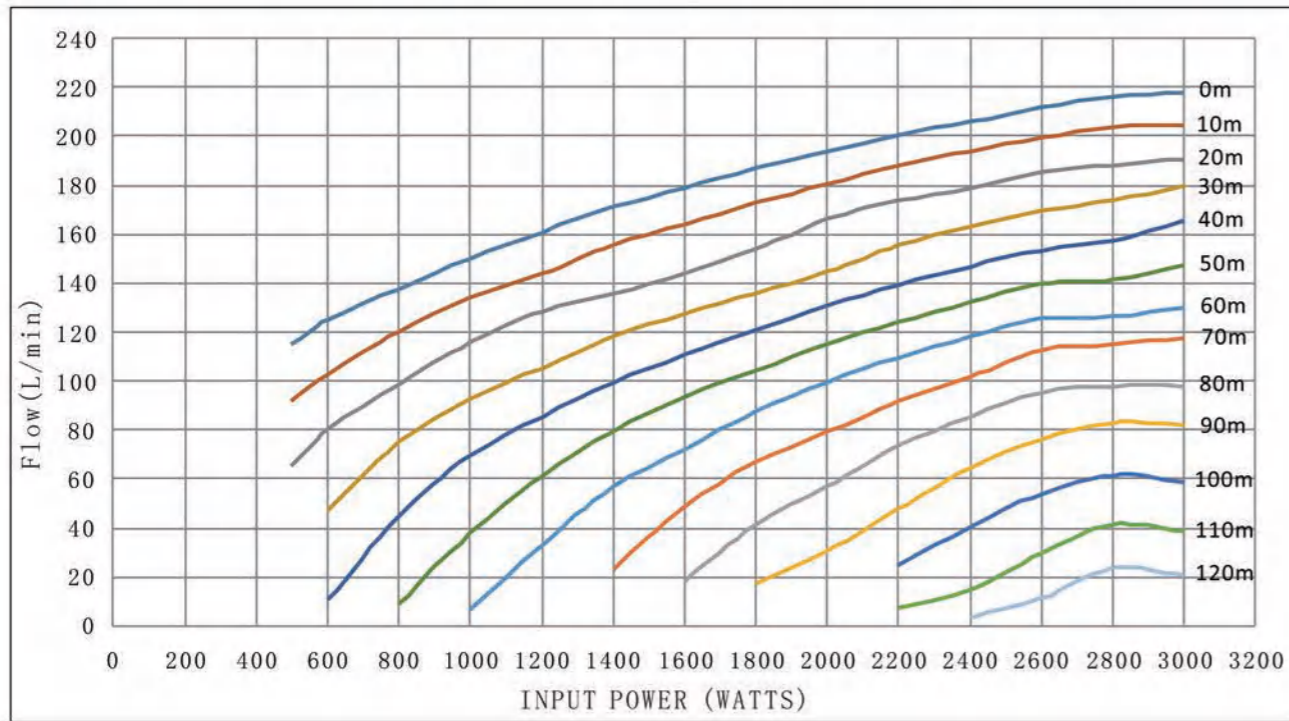
### 4SPW/N 6-8P MOTOR 2HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
	FLOW RATE (LITERS MINUTE)									
0	126	136	152	165	176	187	195	203	210	216
10	101	111	128	143	155	166	176	186	195	201
20	67	82	103	121	135	148	158	168	177	183
30	23	40	73	93	112	125	138	149	158	161
40		3	36	67	87	104	118	127	139	142
50			3	32	58	80	94	107	119	125
60				4	42	51	67	85	98	105
70					23	28	35	57	74	83
80							10	26	47	59
90								6	18	34

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW6-8P or 4SPN6-8P	216L/min	108m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	4"
	PV Connection	Max input power	Pump length(4SPN6-8P)	Volume(4SPN6-8P)	Gross weight (4SPN6-8P)	Net weight (4SPN6-8P)
	in series	2.1KW	0.93m	0.11m*0.11m*1.06m	13.6KGS	12.3KGS
	Outlet size	Motor size	Pump length(4SPW6-8P)	Volume(4SPW6-8P)	Gross weight (4SPW6-8P)	Net weight (4SPW6-8P)
	1.5"	4"	0.68m	0.11m*0.11m*0.81m 0.35m*0.26m*0.21m	15.7KGS	14.2KGS

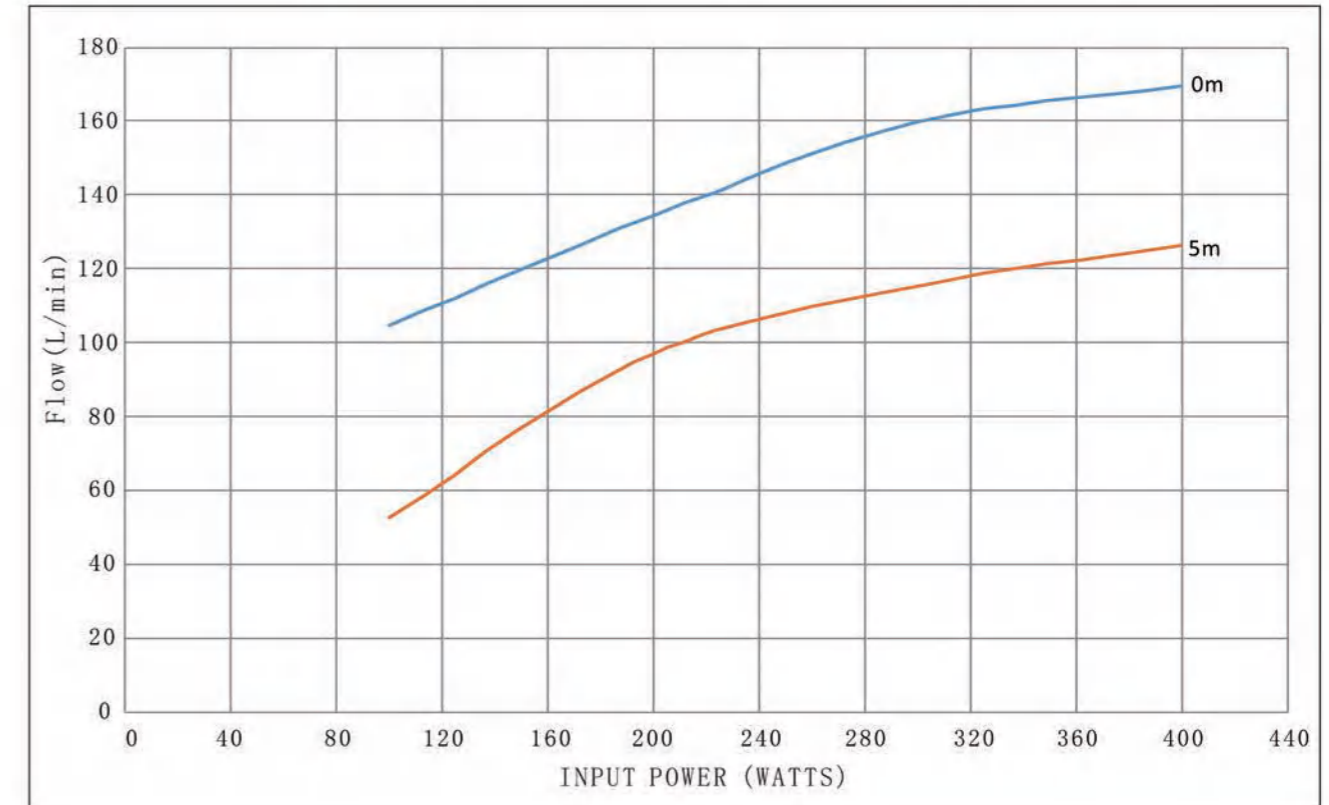
### 4SPW/N 6-10P MOTOR 3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)													
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
	FLOW RATE (LITERS MINUTE)													
0	115	125	138	150	161	171	179	187	194	201	206	212	216	218
10	92	103	120	134	144	156	164	173	181	188	194	199	204	205
20	66	80	99	116	129	135	144	154	166	174	179	185	188	191
30	25	47	75	93	106	118	128	136	145	155	163	169	174	179
40		10	45	70	85	99	111	121	131	139	147	154	157	165
50			9	38	61	79	94	104	115	124	132	140	141	147
60				7	33	57	72	87	100	110	118	125	126	130
70					6	23	49	67	79	92	102	113	115	118
80							18	41	57	74	85	95	98	98
90								17	31	48	65	76	83	82
100									9	25	40	54	62	59
110										7	15	30	41	39
120											3	11	23	21

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW6-10P or 4SPN6-10P	212L/min	130m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length(4SPN6-10P)	Volume(4SPN6-10P)	Gross weight(4SPN6-10P)	Net weight(4SPN6-10P)
	in series	3KW	1.03m	0.11m*0.11m*1.15m	15.4KGS	13.9KGS
	Outlet size	Motor size	Pump length(4SPW6-10P)	Volume(4SPW6-10P)	Gross weight(4SPW6-10P)	Net weight(4SPW6-10P)
	1.5"	4"	0.78m	0.11m*0.11m*0.93m 0.35m*0.26m*0.21m	17.7KGS	16KGS

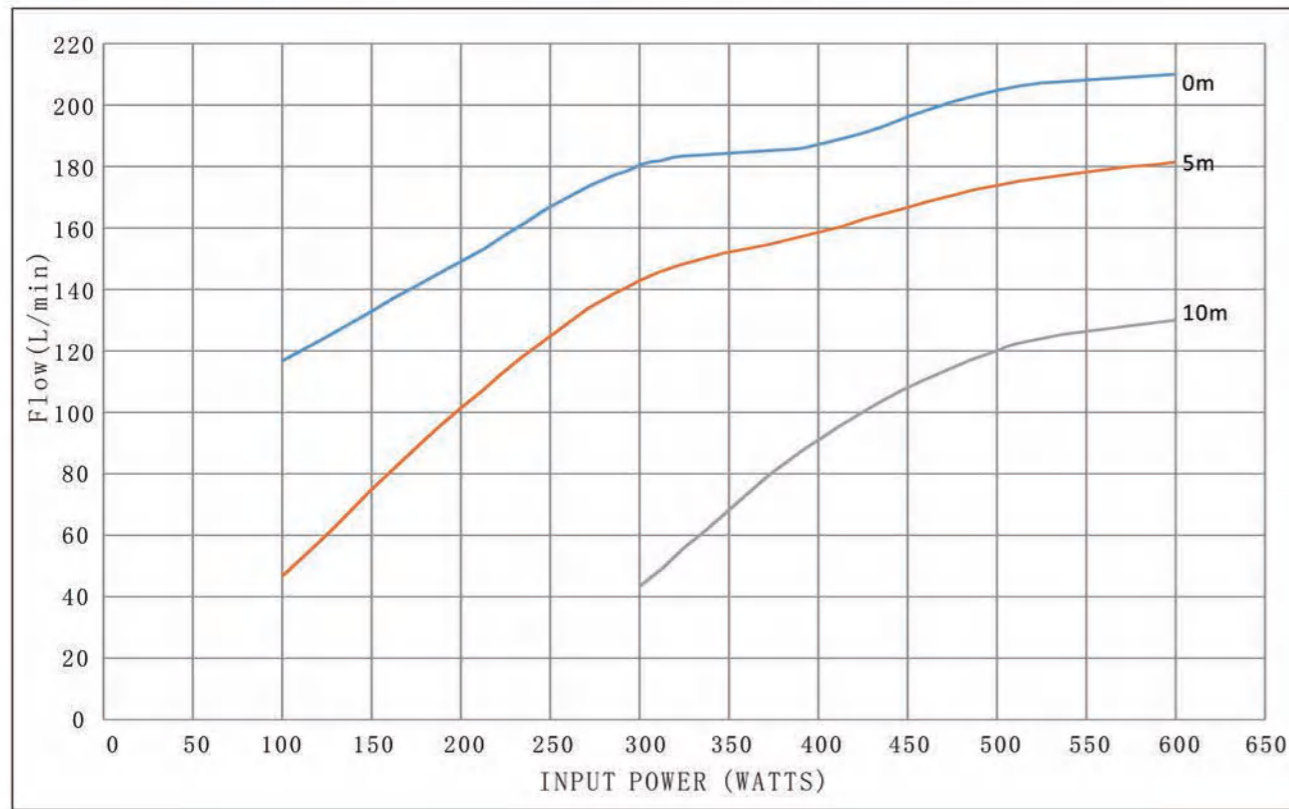
### 4SPW/N 8-1P MOTOR 0.3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)			
	100	200	300	400
	FLOW RATE (LITERS MINUTE)			
0	105	134	160	170
5	52	97	115	126

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW8-1P or 4SPN8-1P	175L/min	10m	20-40Vmp (VOCmax=48V)	1000-4000	300W	4"
	PV Connection	Max input power	Pump length(4SPN8-1P)	Volume(4SPN8-1P)	Gross weight(4SPN8-1P)	Net weight(4SPN8-1P)
	in series	0.3KW	0.51m	0.11m*0.11m*0.67m	6.9KGS	6.1KGS
	Outlet size	Motor size	Pump length(4SPW8-1P)	Volume(4SPW8-1P)	Gross weight(4SPW8-1P)	Net weight(4SPW8-1P)
	2"	3"	0.47m	0.11m*0.11m*0.63m 0.35m*0.26m*0.21m	11.7KGS	10.4KGS

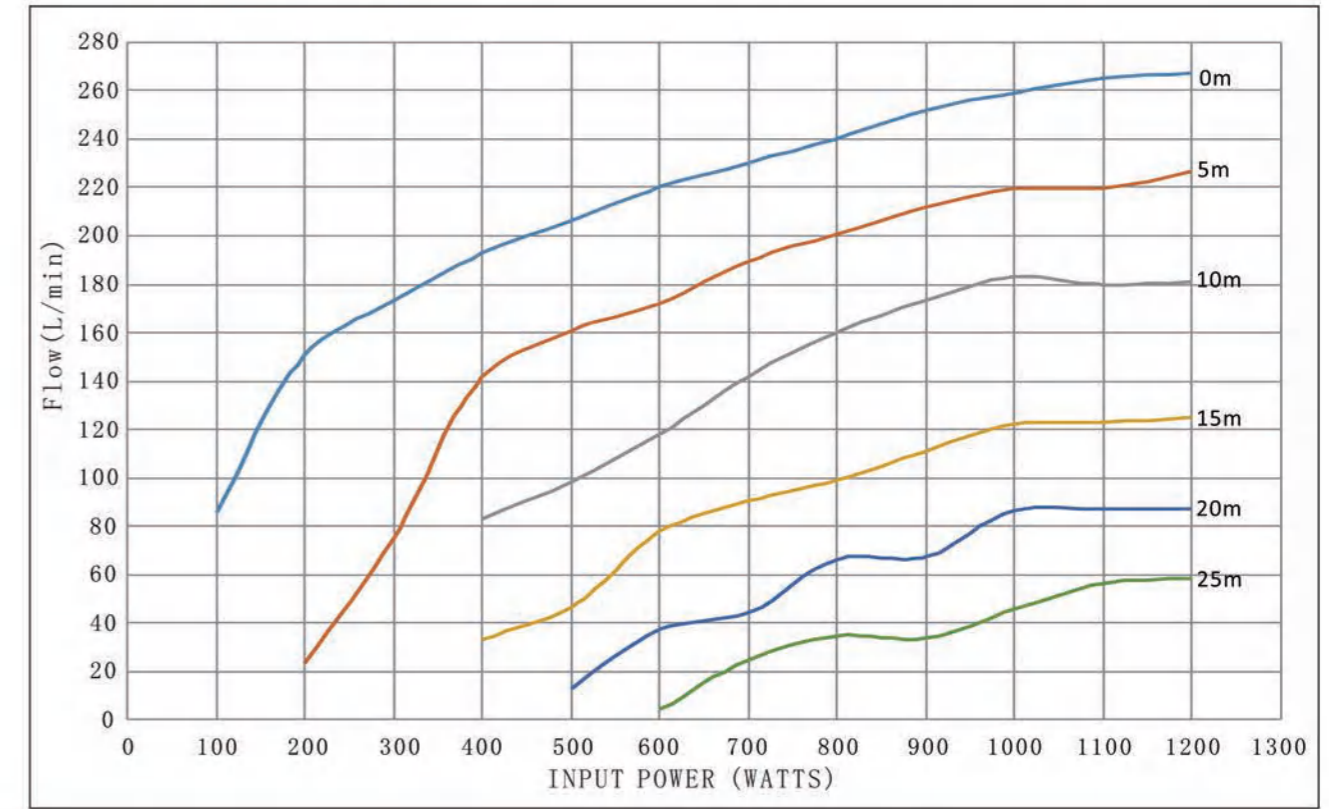
### 4SPW/N 8-2P MOTOR 0.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)					
	100	200	300	400	500	600
	FLOW RATE (LITERS MINUTE)					
0	117	149	180	187	205	210
5	46	102	143	159	174	182
10			43	91	120	130

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW8-2P or 4SPN8-2P	210L/min	18m	40-76Vmp (VOCmax=96V)	500-3600	300W*2	4"
	PV Connection	Max input power	Pump length(4SPN8-2P)	Volume(4SPN8-2P)	Gross weight(4SPN8-2P)	Net weight(4SPN8-2P)
	in series	0.6KW	0.58m	0.11m*0.11m*0.7m	7.8KGS	6.9KGS
	Outlet size	Motor size	Pump length(4SPW8-2P)	Volume(4SPW8-2P)	Gross weight(4SPW8-2P)	Net weight(4SPW8-2P)
	2"	4"	0.51m	0.11m*0.11m*0.63m 0.35m*0.26m*0.21m	12.1KGS	10.8KGS

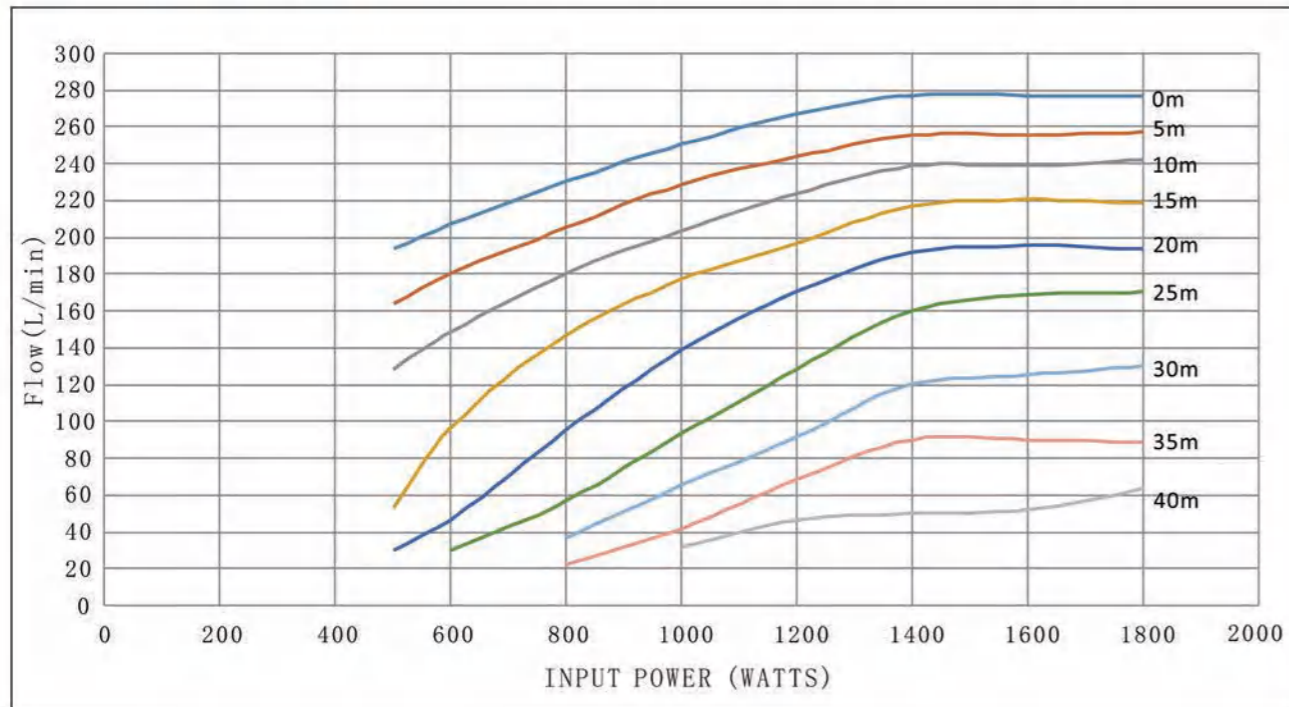
### 4SPW/N 8-3P MOTOR 1HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)											
	100	200	300	400	500	600	700	800	900	1000	1100	1200
	FLOW RATE (LITERS MINUTE)											
0	85	151	173	193	207	220	230	240	252	259	265	267
5		24	75	141	161	172	190	201	212	220	220	226
10				83	98	118	142	160	173	183	180	181
15				33	46	78	90	99	111	122	123	125
20					13	37	44	66	67	87	87	87
25						4	25	35	34	46	56	59

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW8-3P or 4SPN8-3P	267L/min	31m	80-150Vmp (VOCmax=180V)	1000-4000	300W*4	4"
	PV Connection	Max input power	Pump length(4SPN8-3P)	Volume(4SPN8-3P)	Gross weight(4SPN8-3P)	Net weight(4SPN8-3P)
	in series	1.2KW	0.64m	0.11m*0.11m*0.76m	8.4KGS	7.4KGS
	Outlet size	Motor size	Pump length(4SPW8-3P)	Volume(4SPW8-3P)	Gross weight(4SPW8-3P)	Net weight(4SPW8-3P)
	2"	3"	0.55m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	12.2KGS	10.8KGS

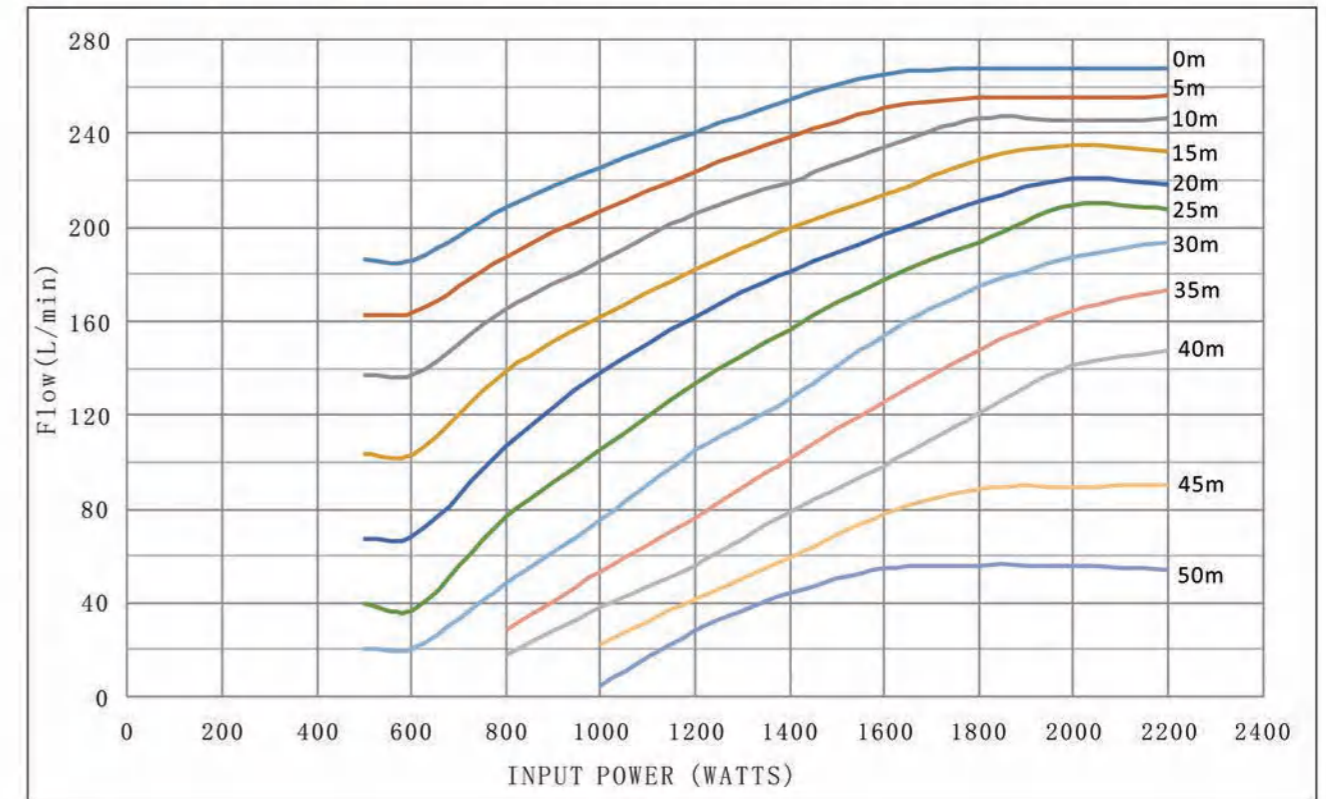
### 4SPW/N 8-4P MOTOR 1.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)							
	500	600	800	1000	1200	1400	1600	1800
0	194	207	230	251	267	277	277	277
5	164	180	205	229	244	256	256	257
10	129	149	180	204	224	239	239	242
15	53	97	147	177	197	217	220	219
20	30	47	95	139	170	192	195	194
25		30	57	94	129	160	169	170
30			37	65	92	120	125	130
35			22	42	68	90	90	89
40				32	47	50	52	63

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW8-4P or 4SPN8-4P	277L/min	45m	130-190Vmp (VOCmax=230V)	500-3600	300W*5	4"
	PV Connection	Max input power	Pump length (4SPN8-4P)	Volume (4SPN8-4P)	Gross weight (4SPN8-4P)	Net weight (4SPN8-4P)
	in series	1.5KW	0.66m	0.11m*0.11m*0.81m	11.3KGS	10.3KGS
	Outlet size	Motor size	Pump length (4SPW8-4P)	Volume (4SPW8-4P)	Gross weight (4SPW8-4P)	Net weight (4SPW8-4P)
	2"	4"	0.58m	0.11m*0.11m*0.7m 0.35m*0.26m*0.21m	14.1KGS	12.7KGS

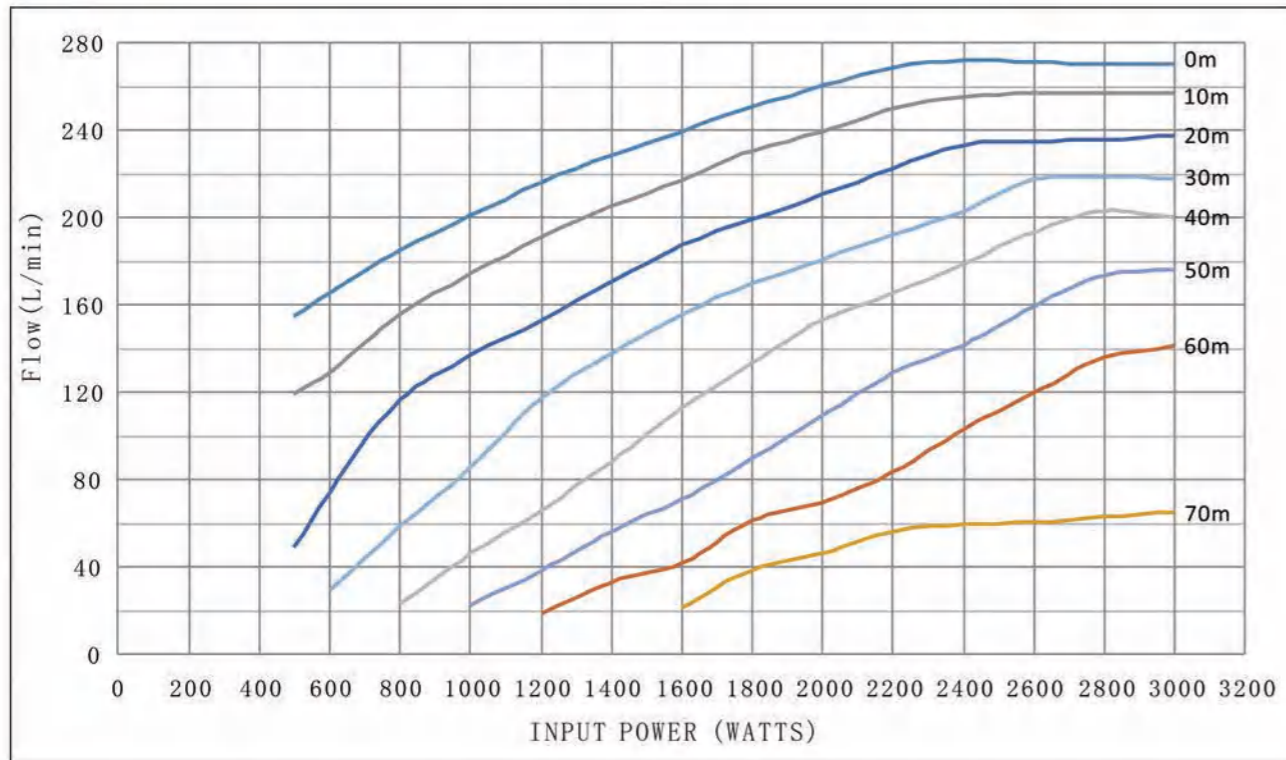
### 4SPW/N 8-5P MOTOR 2HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
0	186	186	209	226	241	255	266	268	268	268
5	163	164	188	207	224	239	251	255	255	256
10	137	137	165	186	206	220	234	247	246	246
15	103	103	139	162	182	200	214	229	235	232
20	67	68	107	138	162	181	197	211	221	218
25	40	37	77	105	133	157	178	194	210	208
30	20	20	48	75	105	127	154	175	187	194
35			28	53	76	102	126	148	165	173
40			18	38	56	79	99	121	141	147
45				22	42	59	77	89	89	90
50				5	28	44	55	56	56	54

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW8-5P or 4SPN8-5P	266L/min	55m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	4"
	PV Connection	Max input power	Pump length (4SPN8-5P)	Volume (4SPN8-5P)	Gross weight (4SPN8-5P)	Net weight (4SPN8-5P)
	in series	2.1KW	0.88m	0.11m*0.11m*1.01m	13KGS	11.7KGS
	Outlet size	Motor size	Pump length (4SPW8-5P)	Volume (4SPW8-5P)	Gross weight (4SPW8-5P)	Net weight (4SPW8-5P)
	2"	4"	0.63m	0.11m*0.11m*0.76m 0.35m*0.26m*0.21m	15.1KGS	13.6KGS

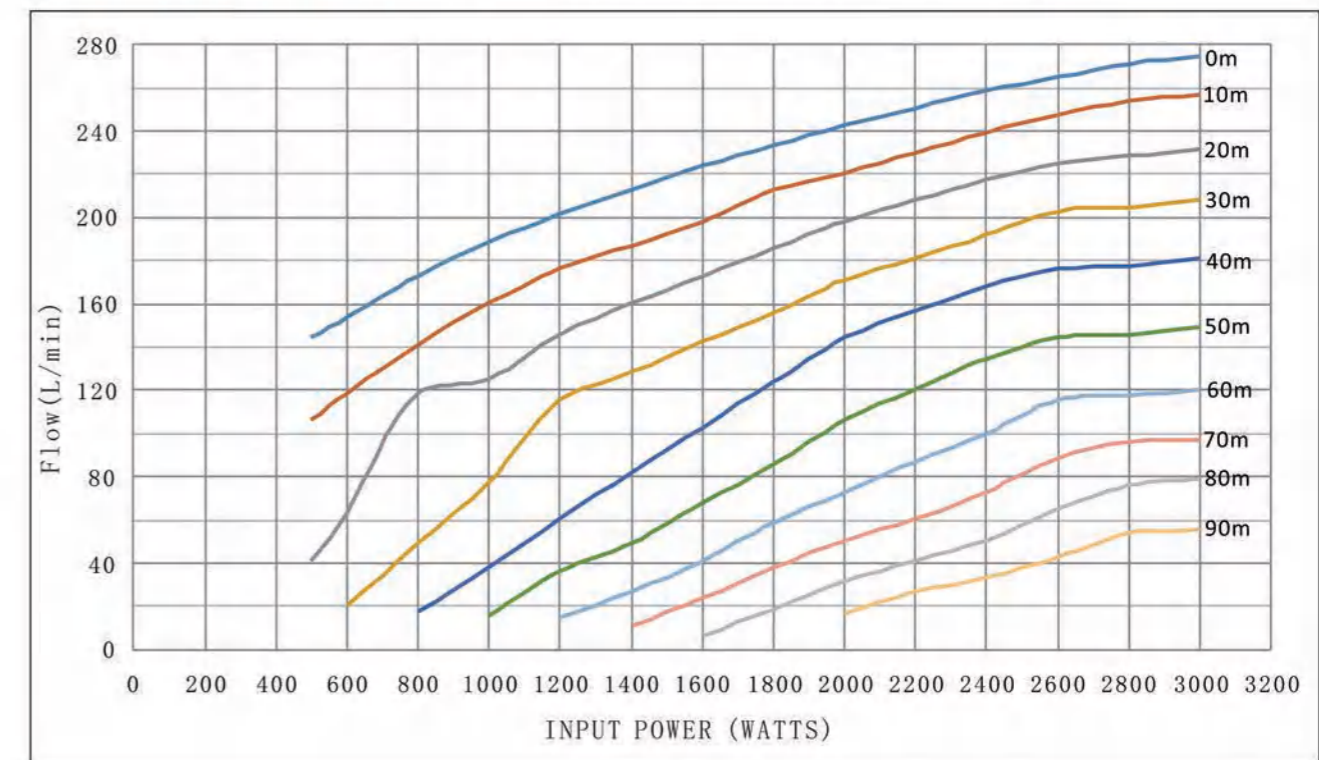
### 4SPW/N 8-7P MOTOR 2.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)													
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
	FLOW RATE (LITERS MINUTE)													
0	155	166	185	201	216	229	240	251	260	269	272	271	270	271
10	120	129	156	174	191	205	217	231	239	250	256	257	257	257
20	49	74	117	137	153	171	187	199	211	223	233	235	236	238
30		29	59	86	118	138	156	170	181	192	203	218	219	218
40			23	46	66	89	113	133	153	165	179	194	203	200
50				23	39	57	71	90	109	129	142	159	174	177
60					19	33	42	61	70	84	103	120	136	141
70							21	39	46	56	60	61	63	66

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW8-7P or 4SPN8-7P	267L/min	80m	280-380Vmp (VOCmax=440V)	500-3600	300W*9	4"
	PV Connection	Max input power	Pump length(4SPN8-7P)	Volume(4SPN8-7P)	Gross weight(4SPN8-7P)	Net weight(4SPN8-7P)
	in series	2.7KW	0.99m	0.11m*0.11m*1.15m	14.9KGS	13.5KGS
	Outlet size	Motor size	Pump length(4SPW8-7P)	Volume(4SPW8-7P)	Gross weight(4SPW8-7P)	Net weight(4SPW8-7P)
	2"	4"	0.74m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	17.2KGS	15.6KGS

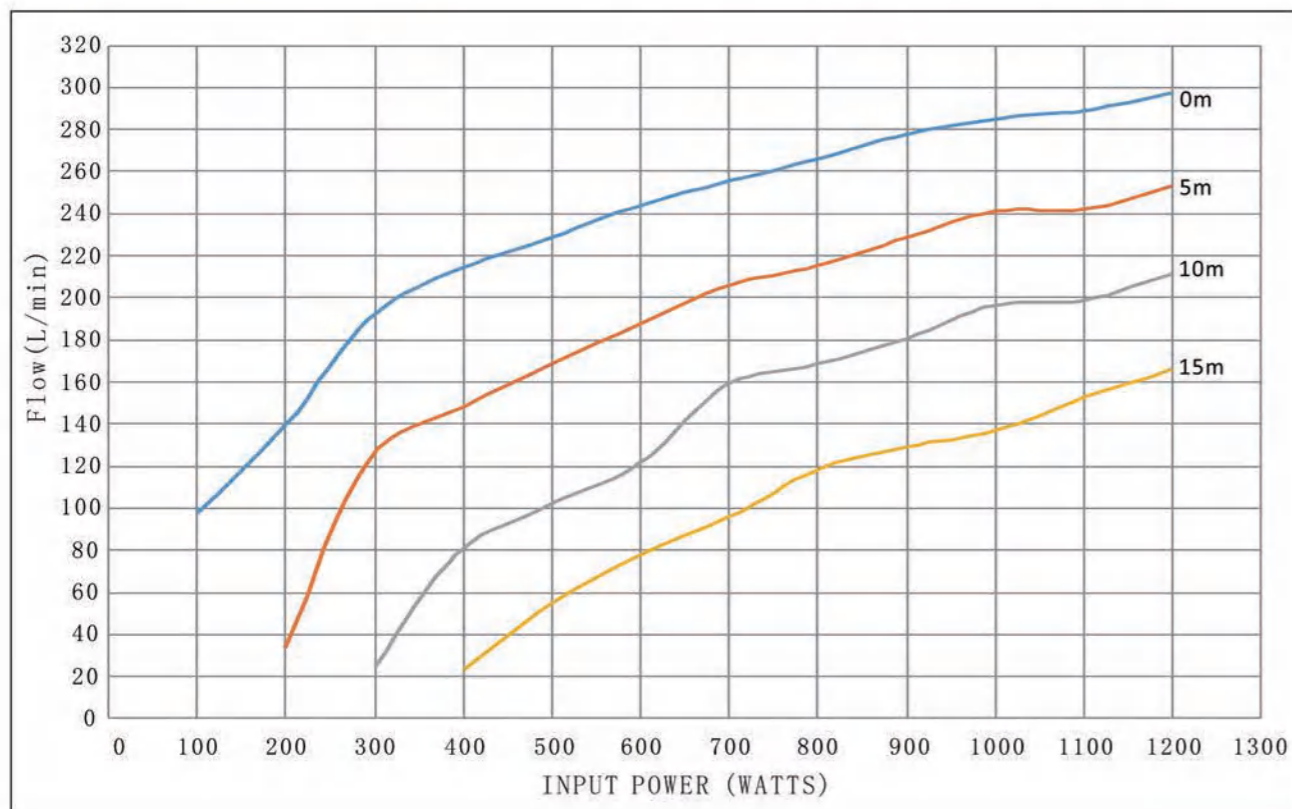
### 4SPW/N 8-9P MOTOR 3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)													
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
	FLOW RATE (LITERS MINUTE)													
0	144	154	173	189	201	213	224	233	243	251	259	265	271	274
10	106	119	141	160	176	187	198	213	221	230	240	247	254	257
20	41	63	119	125	146	160	173	186	198	208	217	225	228	232
30		21	49	78	116	129	143	155	171	181	192	203	205	208
40			17	38	60	82	103	124	144	157	168	176	178	181
50				16	36	49	68	86	106	121	135	144	146	149
60					15	27	41	59	73	87	100	116	117	121
70						11	24	38	51	60	73	89	96	97
80							6	19	32	41	51	65	76	79
90									16	27	33	43	54	56

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW8-9P or 4SPN8-9P	267L/min	100m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length(4SPN8-9P)	Volume(4SPN8-9P)	Gross weight(4SPN8-9P)	Net weight(4SPN8-9P)
	in series	3KW	1.07m	0.11m*0.11m*1.18m	15.5KGS	14KGS
	Outlet size	Motor size	Pump length(4SPW8-9P)	Volume(4SPW8-9P)	Gross weight(4SPW8-9P)	Net weight(4SPW8-9P)
	2"	4"	0.82m	0.11m*0.11m*0.93m 0.35m*0.26m*0.21m	17.8KGS	16.1KGS

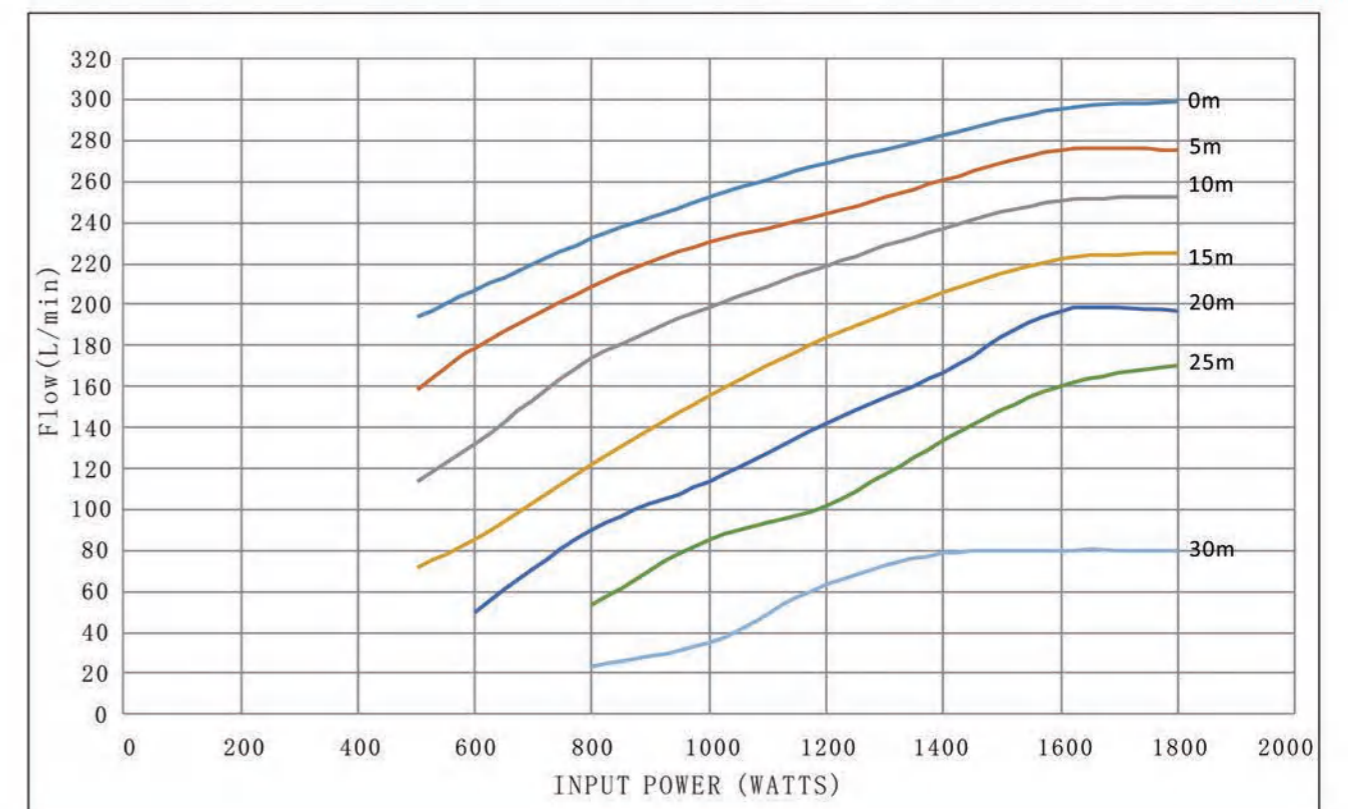
## 4SPW/N10-2P MOTOR 1HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)											
	100	200	300	400	500	600	700	800	900	1000	1100	1200
0	FLOW RATE (LITERS MINUTE)											
0	98	139	193	214	229	244	255	266	278	285	289	298
5		34	127	148	168	188	206	215	229	241	242	254
10			25	81	102	122	159	168	181	197	199	212
15				23	55	78	96	118	129	137	153	166

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW10-2P or 4SPN10-2P	296L/min	21m	80-150Vmp (VOCmax=180V)	500-3600	300W*4	4"
	PV Connection	Max input power	Pump length (4SPN10-2P)	Volume (4SPN10-2P)	Gross weight (4SPN10-2P)	Net weight (4SPN10-2P)
	in series	1.2KW	0.6m	0.11m*0.11m*0.76m	8.4KGS	7.5KGS
	Outlet size	Motor size	Pump length (4SPW10-2P)	Volume (4SPW10-2P)	Gross weight (4SPW10-2P)	Net weight (4SPW10-2P)
	2"	4"	0.52m	0.11m*0.11m*0.63m 0.35m*0.26m*0.21m	12.2KGS	10.9KGS

## 4SPW/N 10-3P MOTOR 1.5HP Centrifugal pump (Plastic impeller)

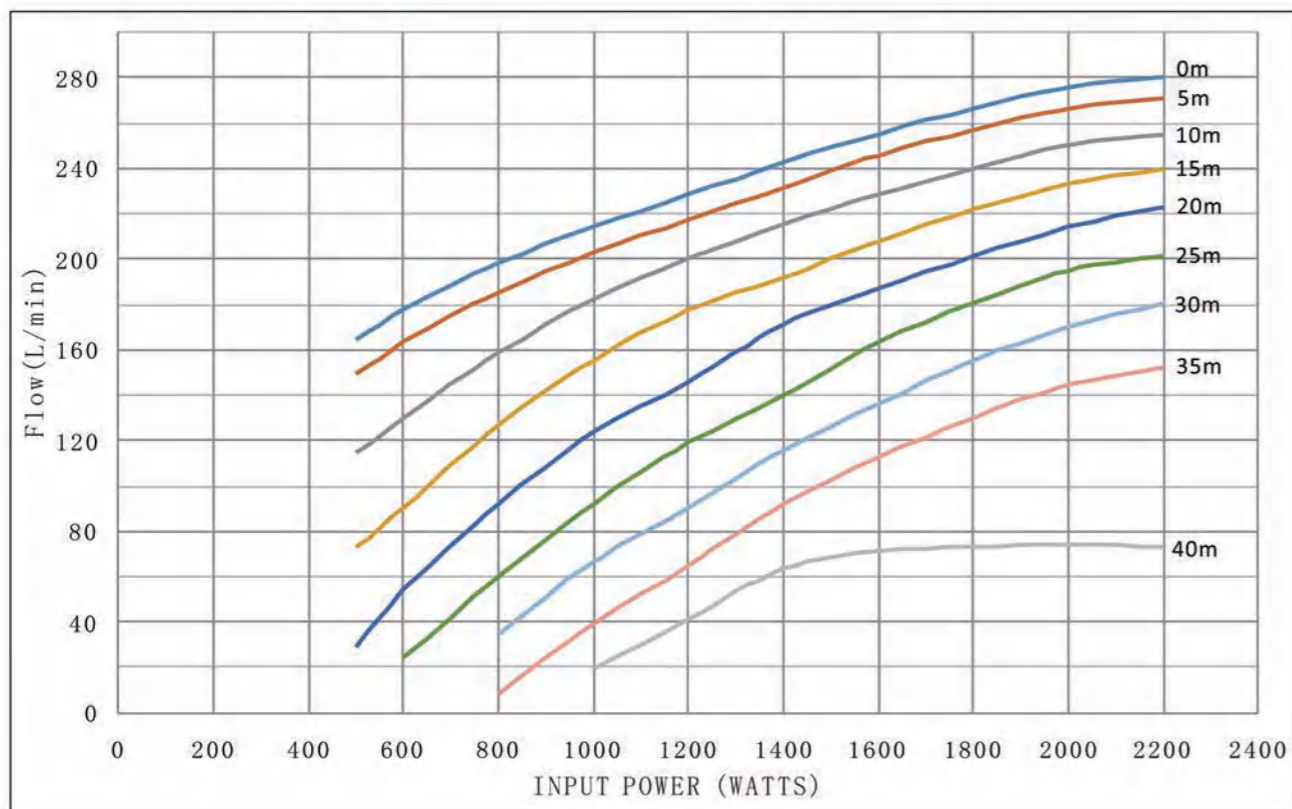


HEAD (m)	INPUT POWER (WATTS)							
	500	600	800	1000	1200	1400	1600	1800
0	FLOW RATE (LITERS MINUTE)							
0	194	207	232	252	269	282	296	299
5	159	179	209	230	244	261	276	276
10	114	132	174	199	219	237	251	252
15	72	85	122	155	184	205	222	225
20		50	90	114	142	167	197	197
25			53	85	102	134	160	170
30			23	35	63	78	80	80

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW10-3P or 4SPN10-3P	299L/min	33m	130-190Vmp (VOCmax=230V)	500-3600	300W*5	4"
	PV Connection	Max input power	Pump length (4SPN10-3P)	Volume (4SPN10-3P)	Gross weight (4SPN10-3P)	Net weight (4SPN10-3P)
	in series	1.5KW	0.63m	0.11m*0.11m*0.76m	11.3KGS	10.3KGS
	Outlet size	Motor size	Pump length (4SPW10-3P)	Volume (4SPW10-3P)	Gross weight (4SPW10-3P)	Net weight (4SPW10-3P)
	2"	4"	0.54m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	14.1KGS	12.7KGS



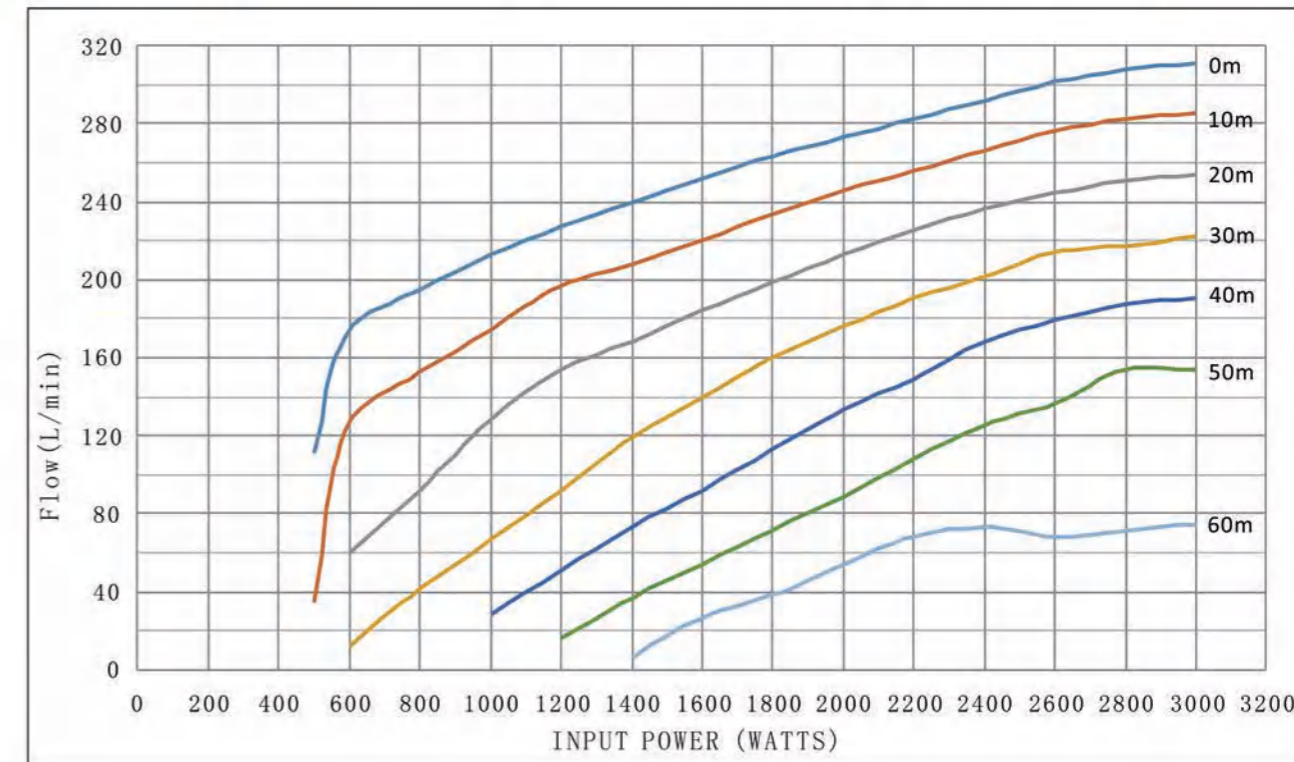
### 4SPW/N 10-4P MOTOR 2HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
	FLOW RATE (LITERS MINUTE)									
0	165	178	198	214	228	243	255	267	276	281
5	149	163	186	203	217	232	246	257	267	271
10	114	130	159	182	200	216	228	240	251	255
15	73	90	127	155	178	192	208	222	233	240
20	29	54	92	124	146	171	187	201	214	223
25		24	60	92	119	140	163	181	195	201
30			35	67	90	116	136	155	170	181
35			9	40	65	92	113	130	144	152
40				19	41	63	71	73	75	73

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW10-4P or 4SPN10-4P	307L/min	43m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	4"
	PV Connection	Max input power	Pump length(4SPN10-4P)	Volume(4SPN10-4P)	Gross weight(4SPN10-4P)	Net weight(4SPN10-4P)
	in series	2.1KW	0.85m	0.11m*0.11m*1.01m	12.8KGS	11.6KGS
	Outlet size	Motor size	Pump length(4SPW10-4P)	Volume(4SPW10-4P)	Gross weight(4SPW10-4P)	Net weight(4SPW10-4P)
	2"	4"	0.6m	0.11m*0.11m*0.7m 0.35m*0.26m*0.21m	14.9KGS	13.5KGS

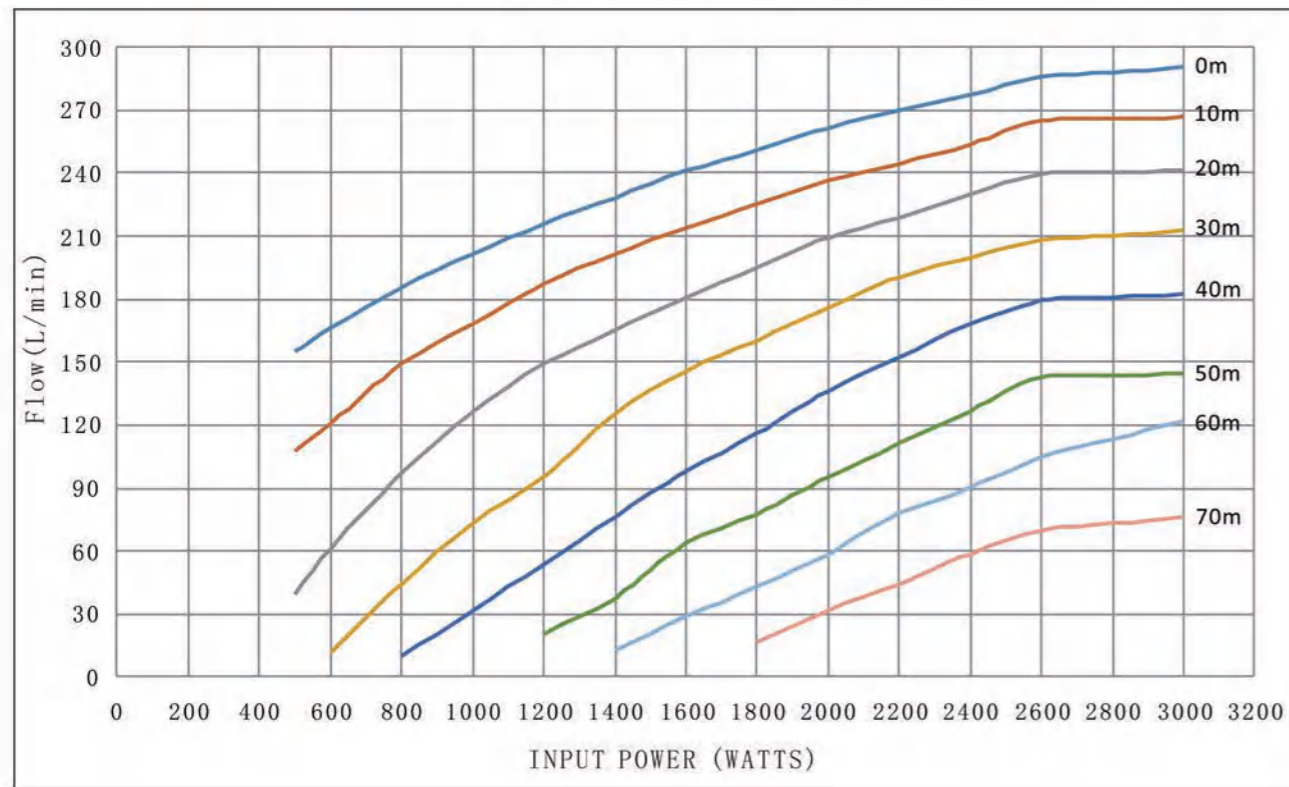
### 4SPW/N 10-6P MOTOR 3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)													
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
	FLOW RATE (LITERS MINUTE)													
0	111	175	195	213	227	240	252	263	273	282	292	301	308	311
10	35	127	152	175	197	208	221	233	246	255	267	276	282	286
20		60	92	129	154	168	184	198	213	225	236	244	251	254
30		12	41	67	92	119	140	160	176	190	201	214	217	222
40				29	51	73	92	113	133	149	168	179	187	190
50					16	36	54	71	89	108	125	136	154	154
60						6	27	38	54	68	73	68	71	75

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW10-6P or 4SPN10-6P	304L/min	65m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length(4SPN10-6P)	Volume(4SPN10-6P)	Gross weight(4SPN10-6P)	Net weight(4SPN10-6P)
	in series	3KW	0.95m	0.11m*0.11m*1.06m	14.7KGS	13.3KGS
	Outlet size	Motor size	Pump length(4SPW10-6P)	Volume(4SPW10-6P)	Gross weight(4SPW10-6P)	Net weight(4SPW10-6P)
	2"	4"	0.7m	0.11m*0.11m*0.81m 0.35m*0.26m*0.21m	16.9KGS	15.4KGS

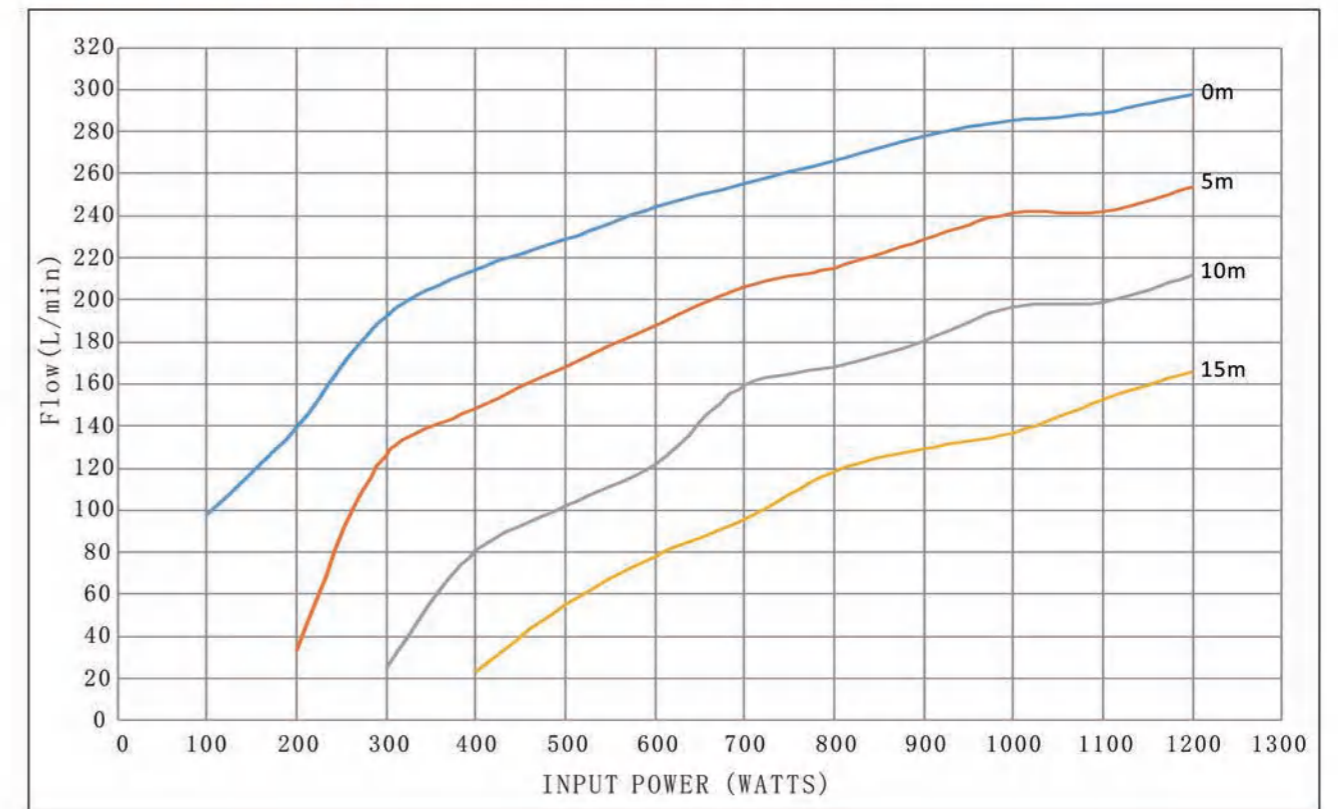
### 4SPW/N 10-7P MOTOR 3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)													
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
0	155	167	186	201	216	228	241	251	262	270	278	286	288	290
10	108	121	149	168	187	201	214	225	236	244	254	265	266	267
20	40	61	97	126	149	165	181	195	209	219	230	240	240	241
30		12	44	73	95	125	146	160	176	190	200	208	210	213
40			10	31	54	76	98	116	136	152	168	179	181	182
50					20	38	63	78	95	111	127	143	144	144
60						12	29	43	59	78	90	105	113	122
70								17	32	44	59	70	73	76

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW10-7P or 4SPN10-7P	286L/min	76m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length(4SPN10-7P)	Volume(4SPN10-7P)	Gross weight(4SPN10-7P)	Net weight(4SPN10-7P)
	in series	3KW	0.99m	0.11m*0.11m*1.15m	14.9KGS	13.5KGS
	Outlet size	Motor size	Pump length(4SPW10-7P)	Volume(4SPW10-7P)	Gross weight(4SPW10-7P)	Net weight(4SPW10-7P)
	2"	4"	0.74m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	17.2KGS	15.6KGS

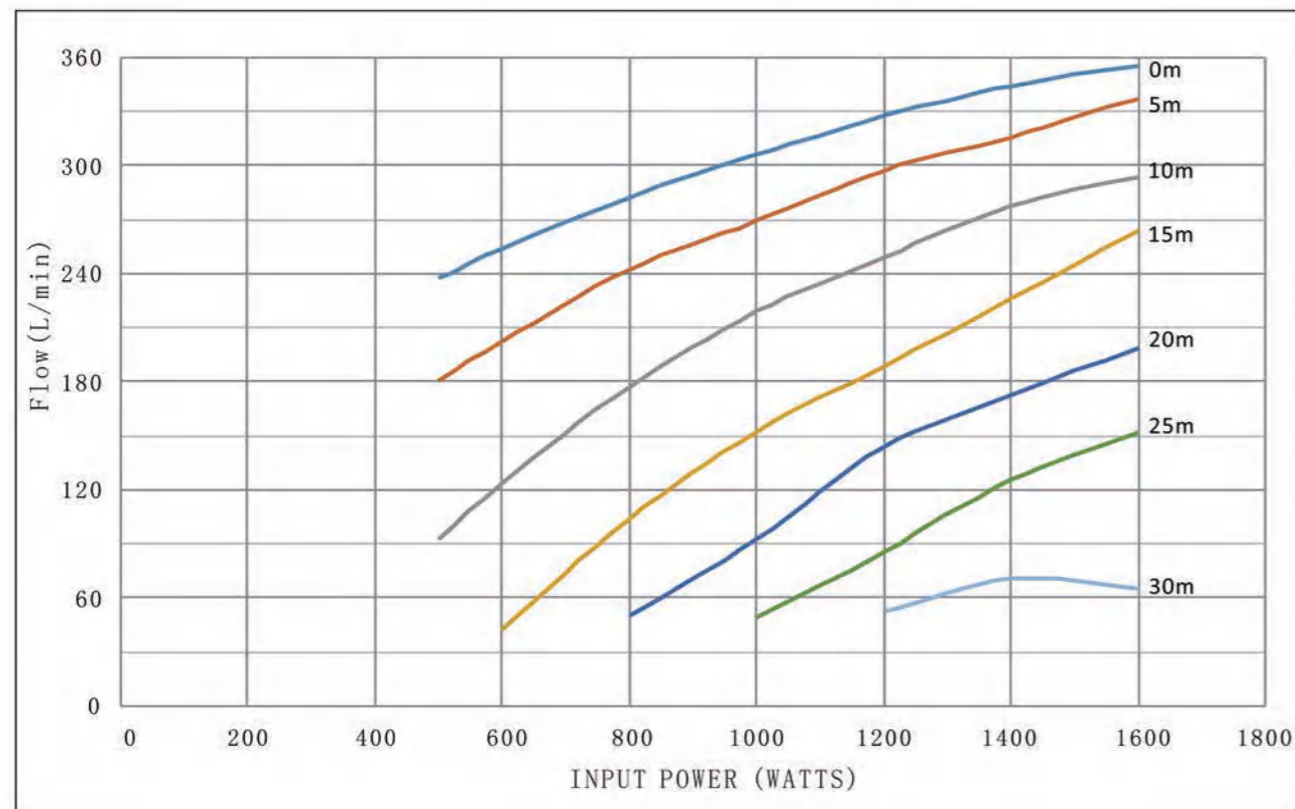
### 4SPW/N12-2P MOTOR 1HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)											
	100	200	300	400	500	600	700	800	900	1000	1100	1200
0	104	150	204	227	243	259	271	284	294	304	311	315
5			97	137	164	185	199	215	222	235	247	252
10				42	87	120	128	141	170	177	196	196
15						39	52	66	67	88	114	118

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW12-2P or 4SPN12-2P	315L/min	20m	80-150Vmp (VOCmax=180V)	500-3600	300W*4	4"
	PV Connection	Max input power	Pump length(4SPN12-2P)	Volume(4SPN12-2P)	Gross weight(4SPN12-2P)	Net weight(4SPN12-2P)
	in series	1.2KW	0.63m	0.11m*0.11m*0.76m	8.2KGS	7.2KGS
	Outlet size	Motor size	Pump length(4SPW12-2P)	Volume(4SPW12-2P)	Gross weight(4SPW12-2P)	Net weight(4SPW12-2P)
	2"	4"	0.55m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	12KGS	10.6KGS

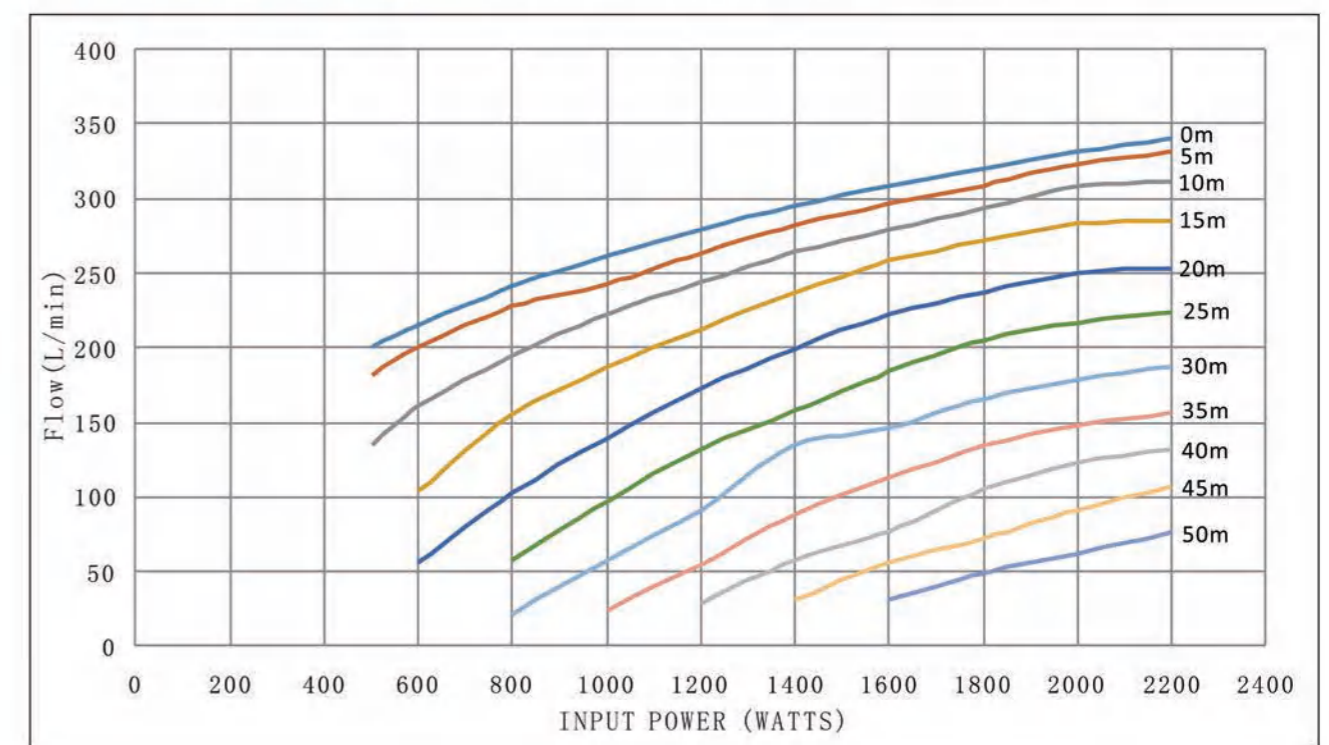
### 4SPW/N 12-3P MOTOR 1.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)						
	500	600	800	1000	1200	1400	1600
	FLOW RATE (LITERS MINUTE)						
0	237	254	282	306	327	344	356
5	180	202	242	269	297	316	337
10	92	124	177	219	249	277	294
15		42	104	152	189	225	264
20			50	92	144	172	199
25				48	85	125	152
30					52	70	65

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW12-3P or 4SPN12-3P	356L/min	33m	130-190Vmp (VOCmax=230V)	500-3600	300W*5	4"
	PV Connection	Max input power	Pump length(4SPN12-3P)	Volume(4SPN12-3P)	Gross weight(4SPN12-3P)	Net weight(4SPN12-3P)
	in series	1.5KW	0.68m	0.11m*0.11m*0.81m	11.3KGS	10.3KGS
	Outlet size	Motor size	Pump length(4SPW12-3P)	Volume(4SPW12-3P)	Gross weight(4SPW12-3P)	Net weight(4SPW12-3P)
	2"	4"	0.59m	0.11m*0.11m*0.7m 0.35m*0.26m*0.21m	14.1KGS	12.7KGS

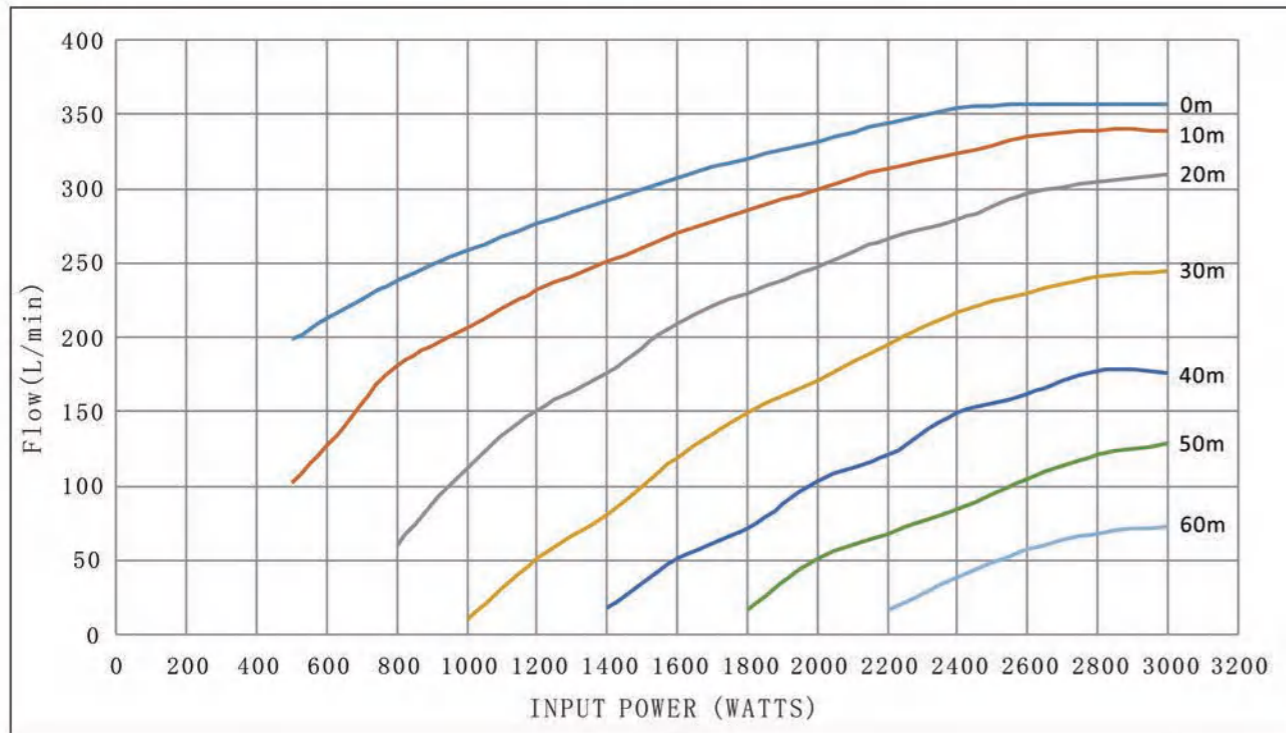
### 4SPW/N 12-5P MOTOR 2HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
	FLOW RATE (LITERS MINUTE)									
0	201	215	241	261	280	295	309	320	331	340
5	182	200	228	243	263	282	296	309	323	331
10	135	160	195	222	244	264	279	293	308	312
15		104	155	187	213	236	258	271	283	285
20		56	102	139	172	200	222	237	250	253
25			58	97	132	158	184	205	217	224
30			22	58	92	135	146	166	178	188
35				24	55	89	112	134	148	156
40					29	58	77	105	123	132
45						31	56	72	92	107
50							30	49	63	76

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW12-5P or 4SPN12-5P	347L/min	54m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	4"
	PV Connection	Max input power	Pump length(4SPN12-5P)	Volume(4SPN12-5P)	Gross weight(4SPN12-5P)	Net weight(4SPN12-5P)
	in series	2.1KW	0.97m	0.11m*0.11m*1.06m	13.8KGS	12.4KGS
	Outlet size	Motor size	Pump length(4SPW12-5P)	Volume(4SPW12-5P)	Gross weight(4SPW12-5P)	Net weight(4SPW12-5P)
	2"	4"	0.72m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	15.9KGS	14.3KGS

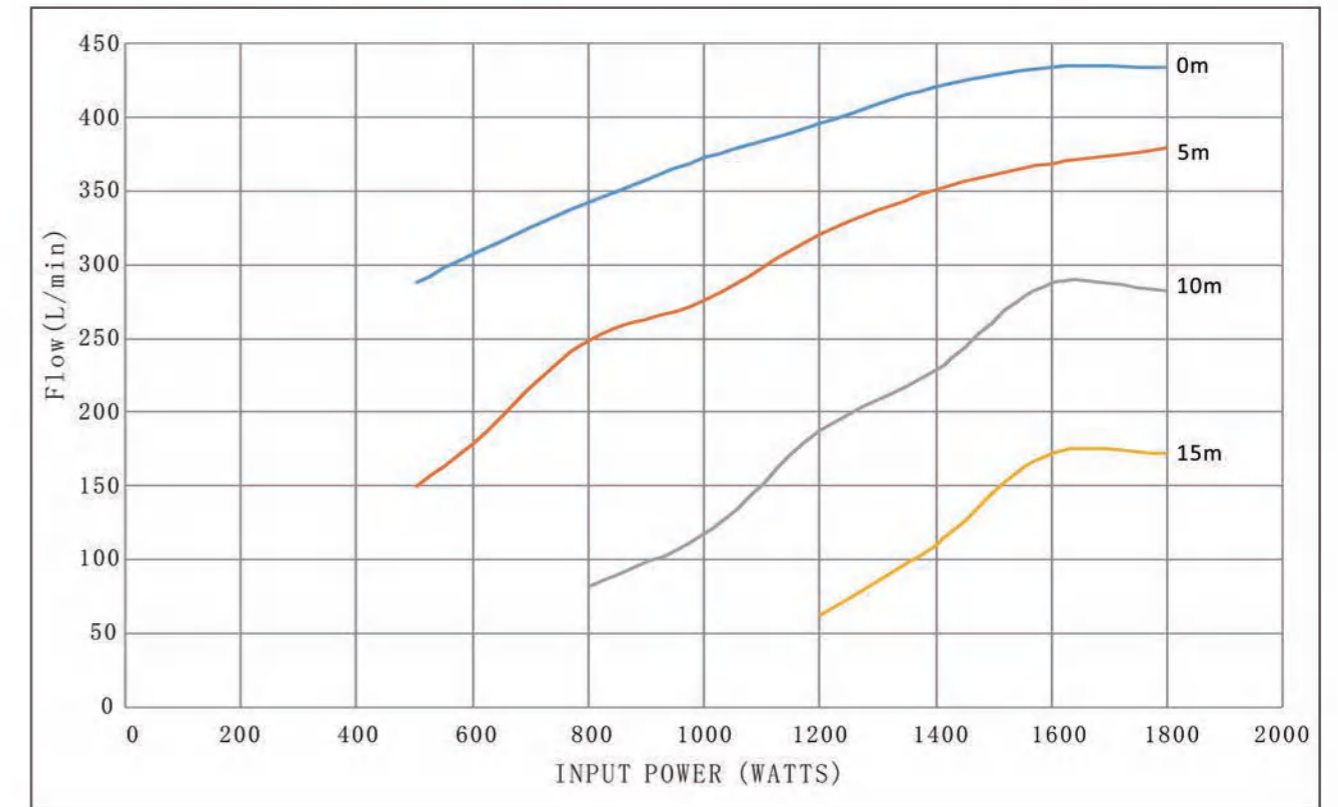
### 4SPW/N 12-6P MOTOR 3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)													
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
0	198	213	238	259	276	292	308	320	332	344	354	357	357	357
10	102	127	181	206	232	251	270	286	300	314	324	335	340	340
20			60	113	151	176	209	230	247	267	279	297	305	309
30				11	51	81	119	149	171	195	217	230	241	244
40						17	51	71	103	121	149	162	178	176
50								17	51	68	84	105	121	129
60										16	38	57	68	73

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW12-6P or 4SPN12-6P	350L/min	65m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length (4SPN12-6P)	Volume (4SPN12-6P)	Gross weight (4SPN12-6P)	Net weight (4SPN12-6P)
	in series	3KW	1.06m	0.11m*0.11m*1.18m	15.5KGS	14KGS
	Outlet size	Motor size	Pump length (4SPW12-6P)	Volume (4SPW12-6P)	Gross weight (4SPW12-6P)	Net weight (4SPW12-6P)
	2"	4"	0.81m	0.11m*0.11m*0.93m 0.35m*0.26m*0.21m	17.8KGS	16.1KGS

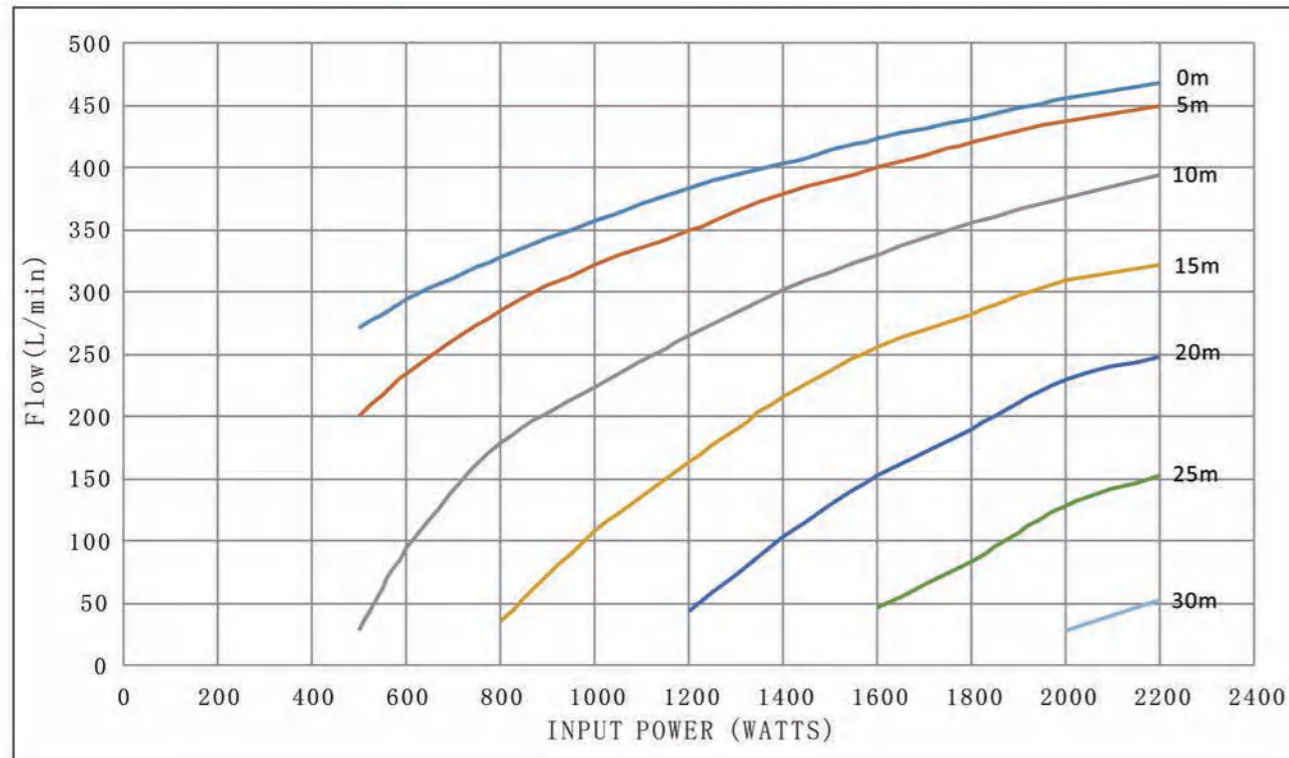
### 4SPW/N 16-2P MOTOR 1.5HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)							
	500	600	800	1000	1200	1400	1600	1800
0	287	307	342	372	396	421	434	434
5	149	179	249	276	321	351	369	379
10			82	117	187	229	287	282
15					62	110	172	172

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW16-2P or 4SPN16-2P	434L/min	20m	130-190Vmp (VOCmax=230V)	500-3600	300W*5	4"
	PV Connection	Max input power	Pump length (4SPN16-2P)	Volume (4SPN16-2P)	Gross weight (4SPN16-2P)	Net weight (4SPN16-2P)
	in series	1.5KW	0.64m	0.11m*0.11m*0.76m	11.4KGS	10.4KGS
	Outlet size	Motor size	Pump length (4SPW16-2P)	Volume (4SPW16-2P)	Gross weight (4SPW16-2P)	Net weight (4SPW16-2P)
	2"	4"	0.56m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	14.2KGS	12.8KGS

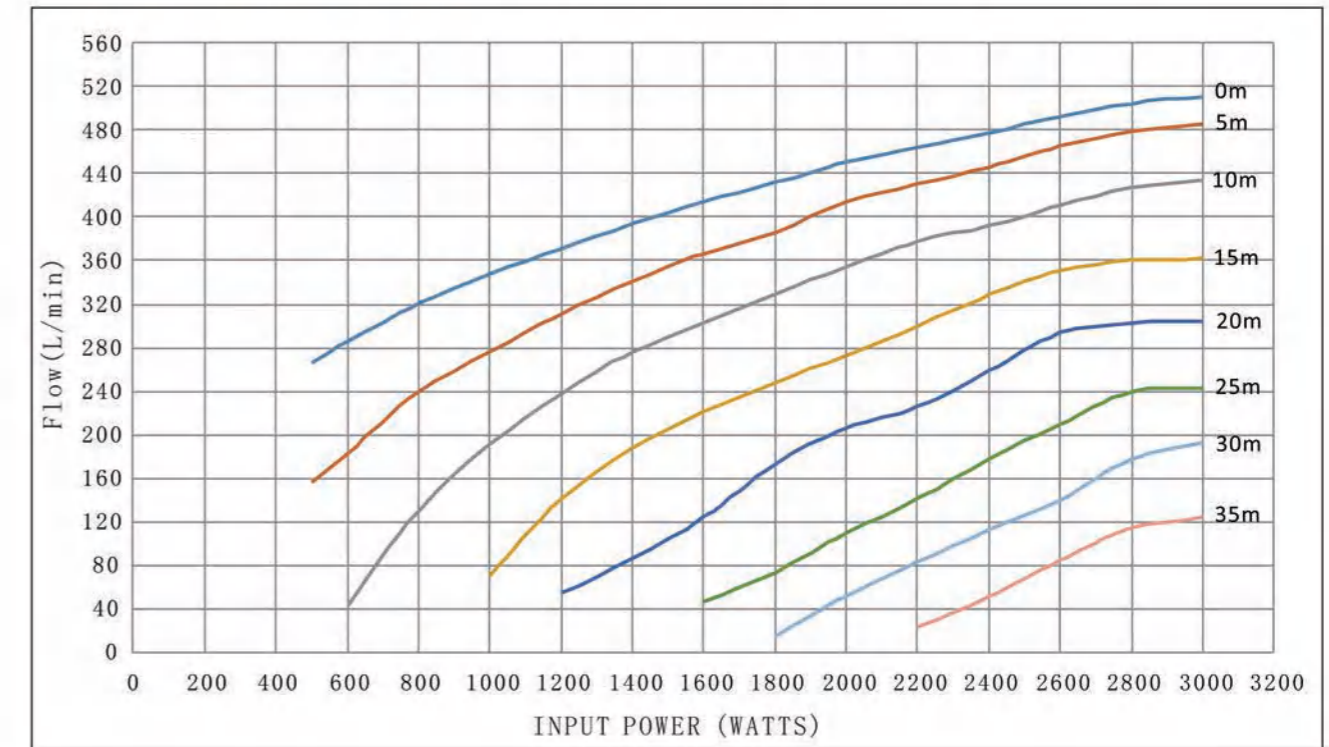
### 4SPW/N 16-3P MOTOR 2HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
	FLOW RATE (LITERS MINUTE)									
0	271	294	328	357	384	403	424	439	455	468
5	200	235	286	322	349	379	400	420	438	449
10	29	94	179	224	265	301	330	355	376	393
15			36	108	163	216	255	282	309	322
20				43	103	152	190	230	247	
25						46	84	129	152	
30								29	52	

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW16-3P or 4SPN16-3P	472L/min	31m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	4"
	PV Connection	Max input power	Pump length(4SPN16-3P)	Volume(4SPN16-3P)	Gross weight(4SPN16-3P)	Net weight(4SPN16-3P)
	in series	2.1KW	0.9m	0.11m*0.11m*1.01m	13.4KGS	12.1KGS
	Outlet size	Motor size	Pump length(4SPW16-3P)	Volume(4SPW16-3P)	Gross weight(4SPW16-3P)	Net weight(4SPW16-3P)
	2"	4"	0.65m	0.11m*0.11m*0.76m 0.35m*0.26m*0.21m	15.5KGS	14KGS

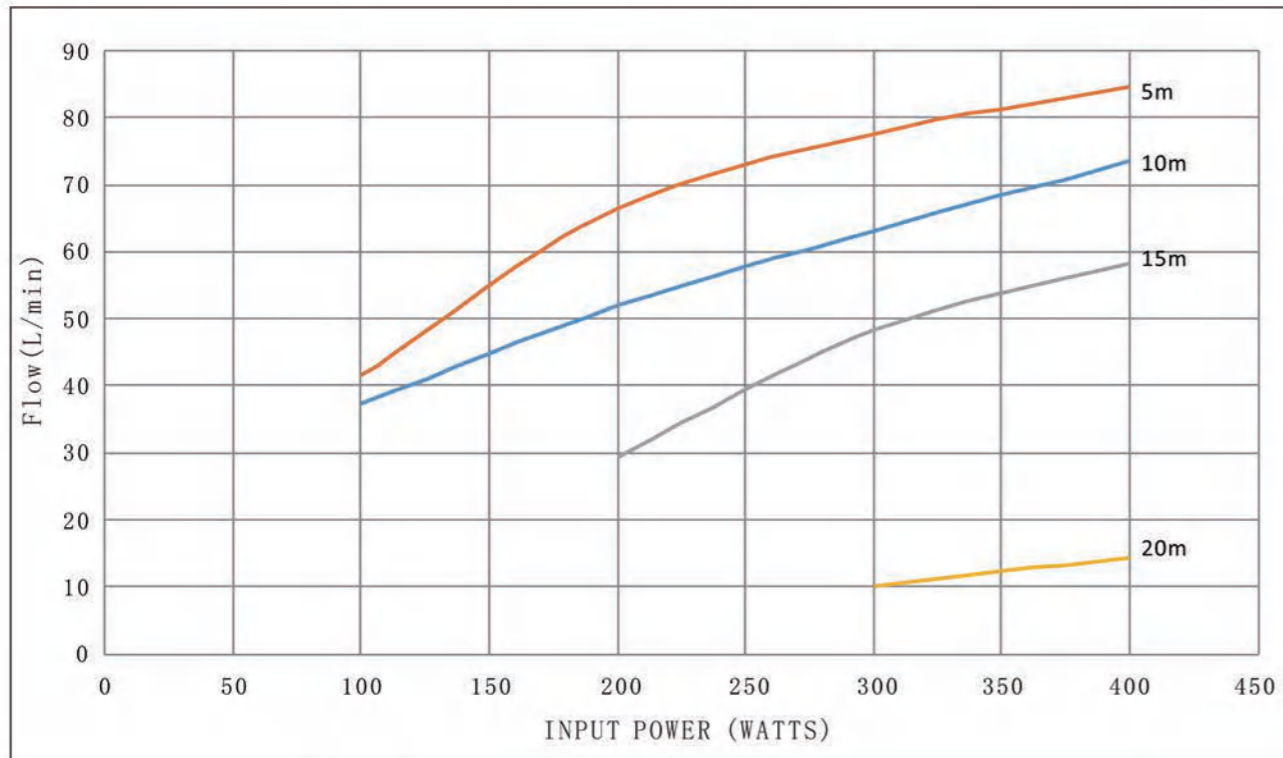
### 4SPW/N 16-4P MOTOR 3HP Centrifugal pump (Plastic impeller)



HEAD (m)	INPUT POWER (WATTS)													
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
	FLOW RATE (LITERS MINUTE)													
0	267	286	320	347	371	393	414	432	451	463	478	492	505	511
5	155	182	240	276	311	341	366	386	414	430	446	465	479	485
10		43	130	190	238	276	303	330	354	378	392	411	427	435
15				70	141	187	221	247	273	300	328	351	360	362
20					54	86	124	173	206	225	259	294	303	305
25							46	74	110	141	178	209	240	243
30								16	52	82	113	140	178	192
35										23	51	84	114	124

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW16-4P or 4SPN16-4P	486L/min	42m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length(4SPN16-4P)	Volume(4SPN16-4P)	Gross weight(4SPN16-4P)	Net weight(4SPN16-4P)
	in series	3KW	1m	0.11m*0.11m*1.15m	15.2KGS	13.8KGS
	Outlet size	Motor size	Pump length(4SPW16-4P)	Volume(4SPW16-4P)	Gross weight(4SPW16-4P)	Net weight(4SPW16-4P)
	2"	4"	0.75m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	17.5KGS	15.9KGS

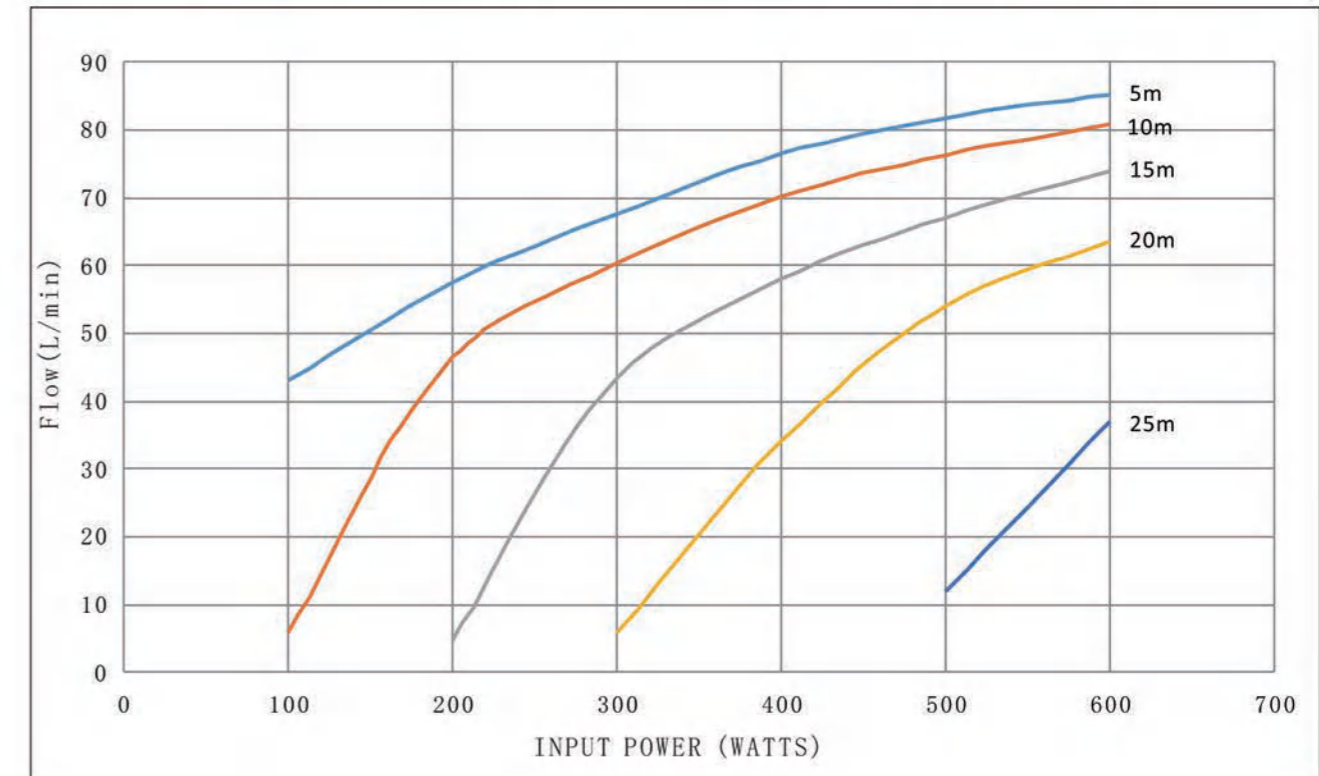
### 3SPW/N 2-3 MOTOR 0.3HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)			
	100	200	300	400
	FLOW RATE (LITERS MINUTE)			
5	41	66	78	85
10	37	52	63	73
15		29	48	58
20			10	14

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW2-3 or 3SPN2-3	85L/min	22m	20-40Vmp (VOCmax=48V)	1000-4000	300W*1	3"
	PV Connection	Max input power	Pump length (3SPN2-3)	Volume (3SPN2-3)	Gross weight (3SPN2-3)	Net weight (3SPN2-3)
	in series	0.3KW	0.44m	0.61m*0.36m*0.16m	6.8KGS	5.5KGS
	Outlet size	Motor size	Pump length (3SPW2-3)	Volume (3SPW2-3)	Gross weight (3SPW2-3)	Net weight (3SPW2-3)
	1.25"	3"	0.4m	0.61m*0.36m*0.16m	9.2KGS	7.9KGS

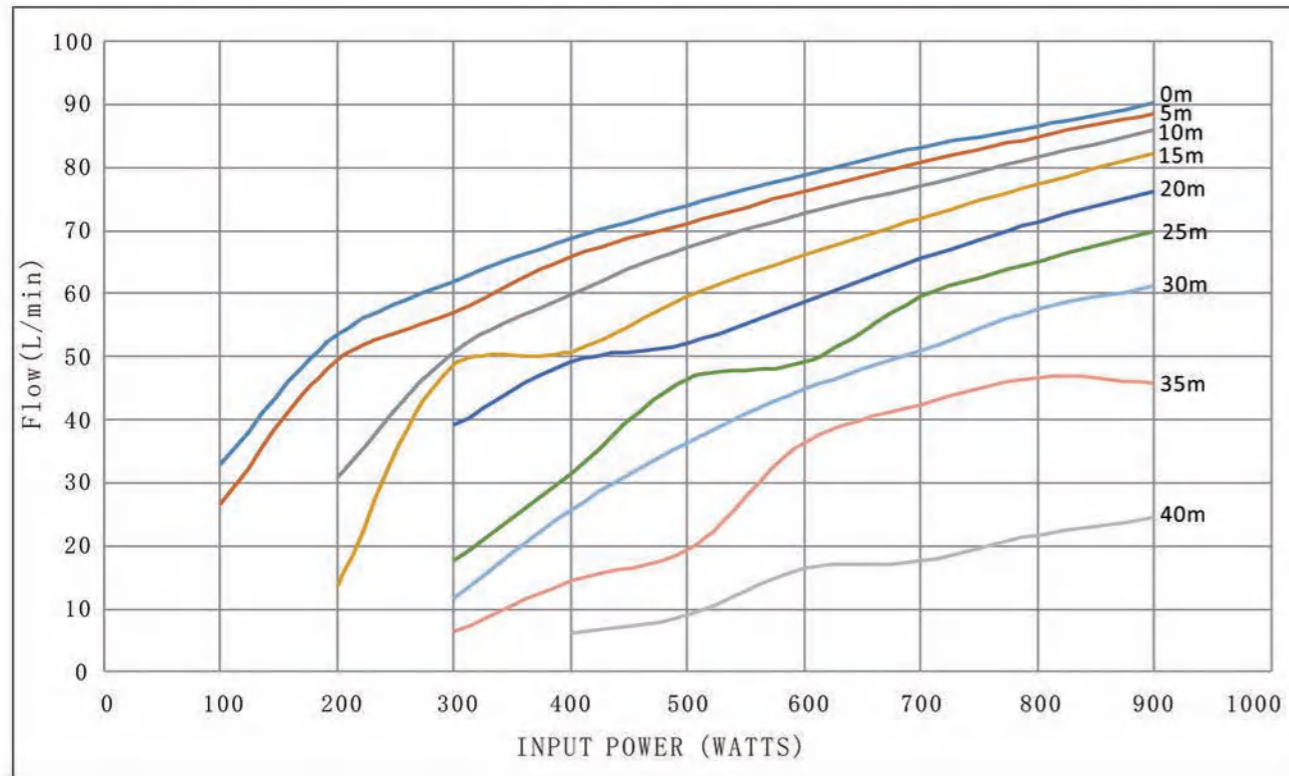
### 3SPW/N 2-5 MOTOR 0.5HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)					
	100	200	300	400	500	600
	FLOW RATE (LITERS MINUTE)					
5	43	57	68	76	82	85
10	6	46	60	70	76	81
15		5	43	58	67	74
20			6	34	54	64
25					12	37

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW2-5 or 3SPN2-5	85L/min	35m	40-76Vmp (VOCmax=96V)	1000-4000	300W*2	3"
	PV Connection	Max input power	Pump length (3SPN2-5)	Volume (3SPN2-5)	Gross weight (3SPN2-5)	Net weight (3SPN2-5)
	in series	0.6KW	0.5m	0.61m*0.36m*0.16m	7.5KGS	6.2KGS
	Outlet size	Motor size	Pump length (3SPW2-5)	Volume (3SPW2-5)	Gross weight (3SPW2-5)	Net weight (3SPW2-5)
	1.25"	3"	0.44m	0.61m*0.36m*0.16m	9.5KGS	8.2KGS

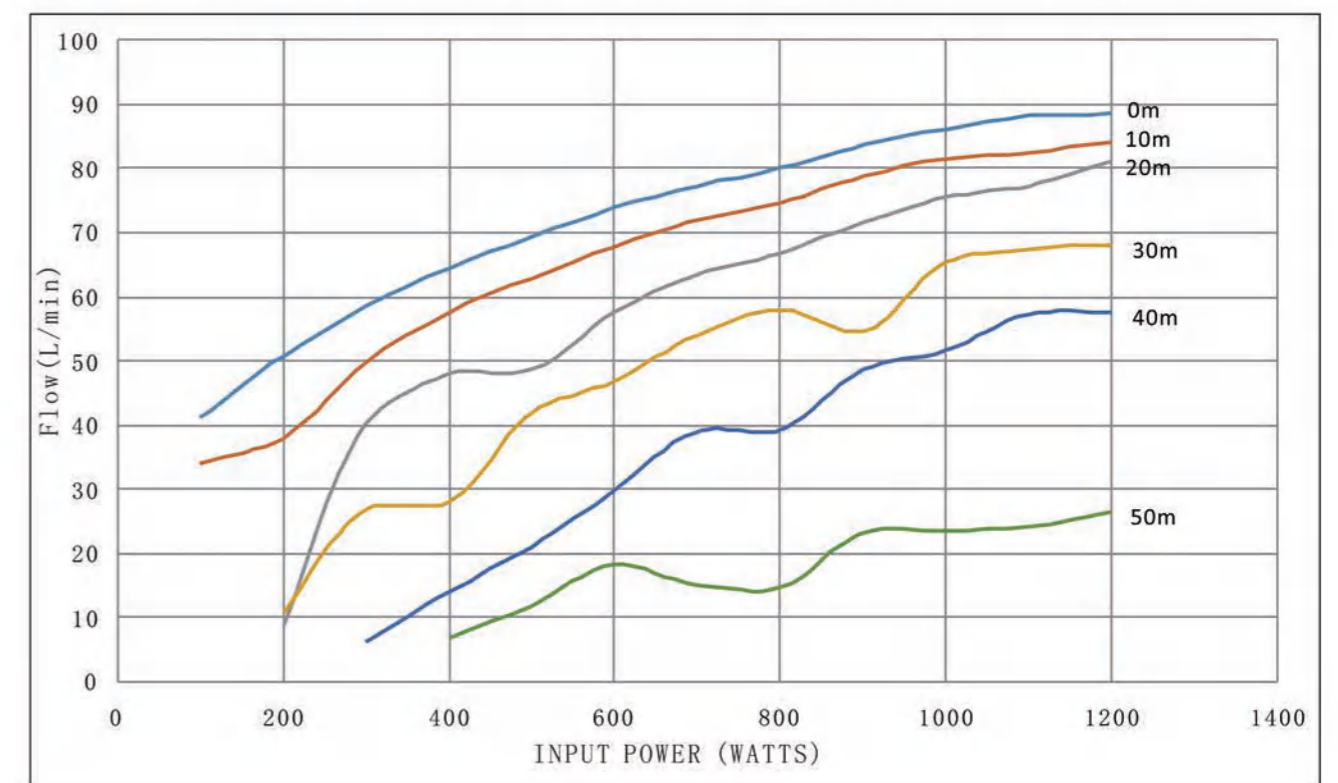
### 3SPW/N 2-7 MOTOR 0.75HP Centrifugal pump(Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)								
	100	200	300	400	500	600	700	800	900
	FLOW RATE (LITERS MINUTE)								
0	33	53	62	69	74	79	83	87	90
5	26	49	57	66	71	76	81	85	89
10		31	51	60	67	73	77	82	86
15		14	49	51	60	66	72	77	82
20			39	49	52	59	65	71	76
25			18	31	46	49	59	65	70
30			12	26	36	45	51	57	61
35			6	14	19	36	42	47	46
40				6	9	16	18	22	24

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW2-7 or 3SPN2-7	90L/min	47m	65-110Vmp (VOCmax=150V)	1000-4000	300W*3	3"
	PV Connection	Max input power	Pump length(3SPN2-7)	Volume(3SPN2-7)	Gross weight(3SPN2-7)	Net weight(3SPN2-7)
	in series	0.9KW	0.66m	0.09m*0.09m*0.85m	8KGS	7KGS
	Outlet size	Motor size	Pump length(3SPW2-7)	Volume(3SPW2-7)	Gross weight(3SPW2-7)	Net weight(3SPW2-7)
	1.25"	3"	0.48m	0.61m*0.36m*0.16m	9.8KGS	8.5KGS

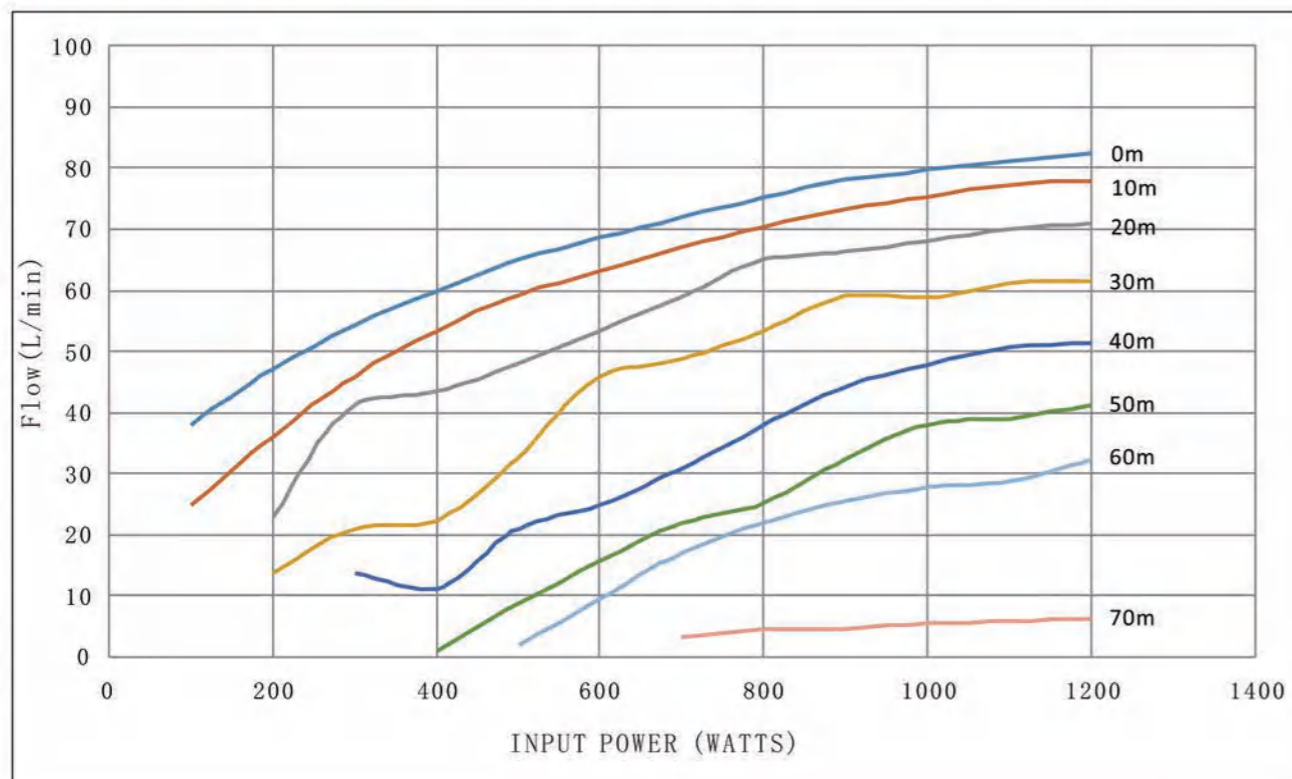
### 3SPW/N 2-9 MOTOR 1HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)											
	100	200	300	400	500	600	700	800	900	1000	1100	1200
	FLOW RATE (LITERS MINUTE)											
5	41	51	58	64	69	74	77	80	84	86	88	89
10	34	38	50	58	63	68	72	75	79	81	82	84
20		9	40	48	49	58	63	67	72	75	77	81
30			11	27	28	42	47	54	58	55	65	67
40				6	14	21	30	39	39	49	52	57
50					7	12	18	15	15	23	24	26

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW2-9 or 3SPN2-9	90L/min	60m	80-150Vmp (VOCmax=180V)	1000-4000	300W*4	3"
	PV Connection	Max input power	Pump length(3SPN2-9)	Volume(3SPN2-9)	Gross weight(3SPN2-9)	Net weight(3SPN2-9)
	in series	1.2KW	0.6m	0.09m*0.09m*0.85m	8.4KGS	7.3KGS
	Outlet size	Motor size	Pump length(3SPW2-9)	Volume(3SPW2-9)	Gross weight(3SPW2-9)	Net weight(3SPW2-9)
	1.25"	3"	0.52m	0.61m*0.36m*0.16m	10.1KGS	8.8KGS

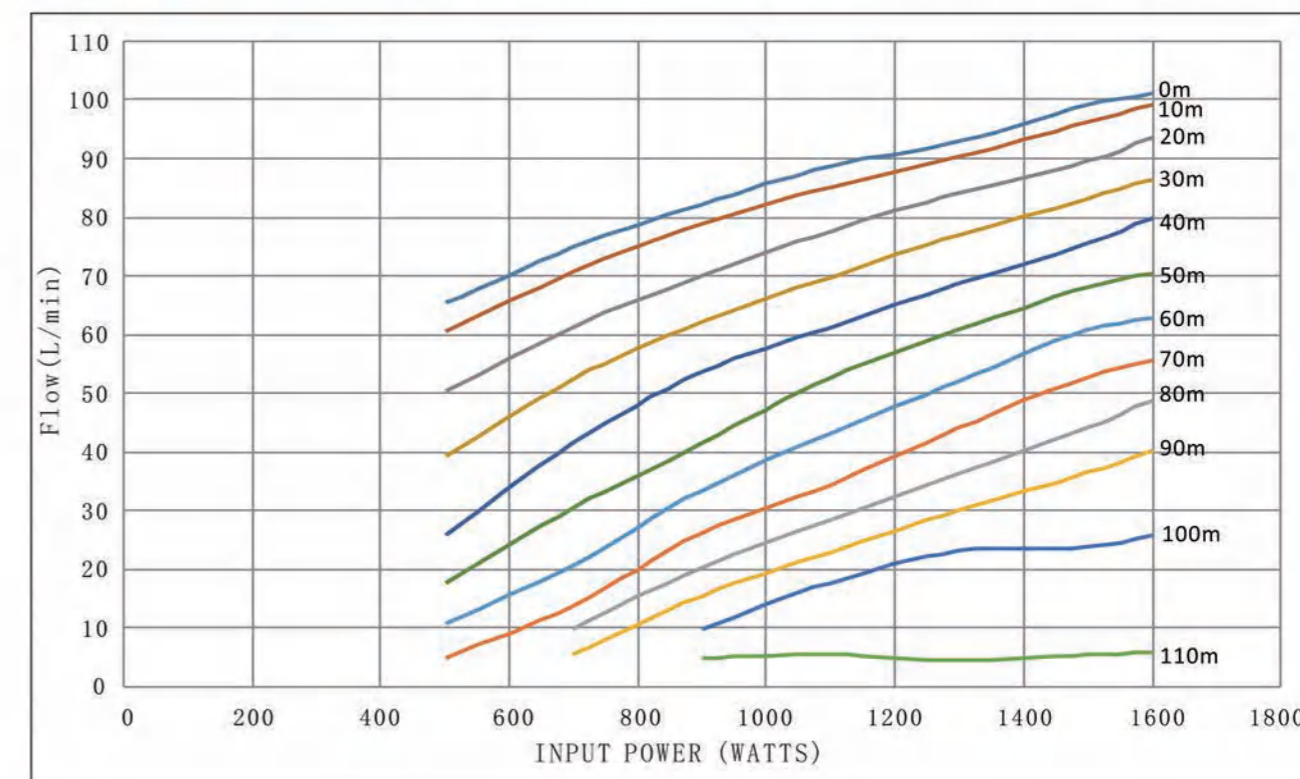
### 3SPW/N 2-11 MOTOR 1HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)											
	100	200	300	400	500	600	700	800	900	1000	1100	1200
0	38	47	54	60	65	69	72	75	78	80	81	82
10	25	36	46	53	59	63	67	70	73	75	77	78
20		23	41	43	48	53	59	65	66	68	70	71
30		14	21	22	33	46	49	53	59	59	61	62
40			14	11	21	25	31	38	44	48	51	51
50				1	9	16	22	25	32	38	39	41
60					2	10	17	22	26	28	29	32
70							3	5	5	6	6	6

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
3SPW2-11 or 3SPN2-11	82L/min	75m	20-40Vmp (VOCmax=48V)	1000-4000	300W*4	3"
	PV Connection	Max input power	Pump length(3SPN2-11)	Volume(3SPN2-11)	Gross weight(3SPN2-11)	Net weight(3SPN2-11)
	in series	1.2KW	0.64m	0.09m*0.09m*0.85m	8.7KGS	7.6KGS
	Outlet size	Motor size	Pump length(3SPW2-11)	Volume(3SPW2-11)	Gross weight(3SPW2-11)	Net weight(3SPW2-11)
	1.25"	3"	0.56m	0.61m*0.36m*0.16m	10.4KGS	9.1KGS

### 4SPW/N 2-11 MOTOR 1.5HP Centrifugal pump (Stainless steel impeller)

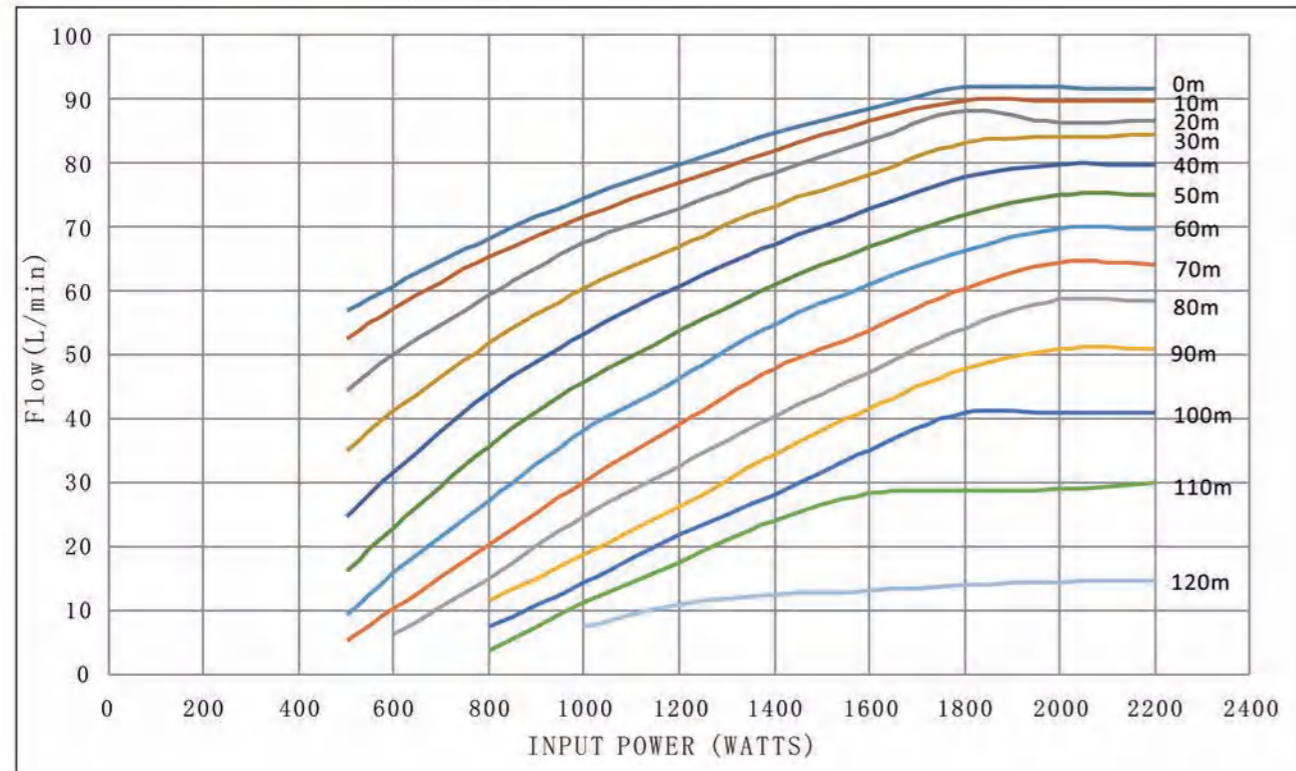


HEAD (m)	INPUT POWER (WATTS)						
	500	700	900	1100	1300	1500	1600
0	65	75	82	89	93	99	101
10	60	71	79	85	90	96	99
20	50	61	70	78	84	90	94
30	39	52	62	70	77	83	87
40	26	41	54	61	69	75	80
50	18	30	41	53	61	68	70
60	11	21	33	43	52	61	63
70	5	14	26	34	44	53	56
80		10	20	28	36	44	49
90		5	15	23	30	36	40
100			10	18	23	24	26
110			5	5	4	5	6

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW2-11 or 4SPN2-11	101L/min	116m	130-190Vmp (VOCmax=230V)	500-3600	300W*6	4"
	PV Connection	Max input power	Pump length(4SPN2-11)	Volume(4SPN2-11)	Gross weight(4SPN2-11)	Net weight(4SPN2-11)
	in series	2.0KW	0.67m	0.11m*0.11m*0.86m	12.5KGS	11.4KGS
	Outlet size	Motor size	Pump length(4SPW2-11)	Volume(4SPW2-11)	Gross weight(4SPW2-11)	Net weight(4SPW2-11)
	1.25"	4"	0.6m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	15.4KGS	13.8KGS



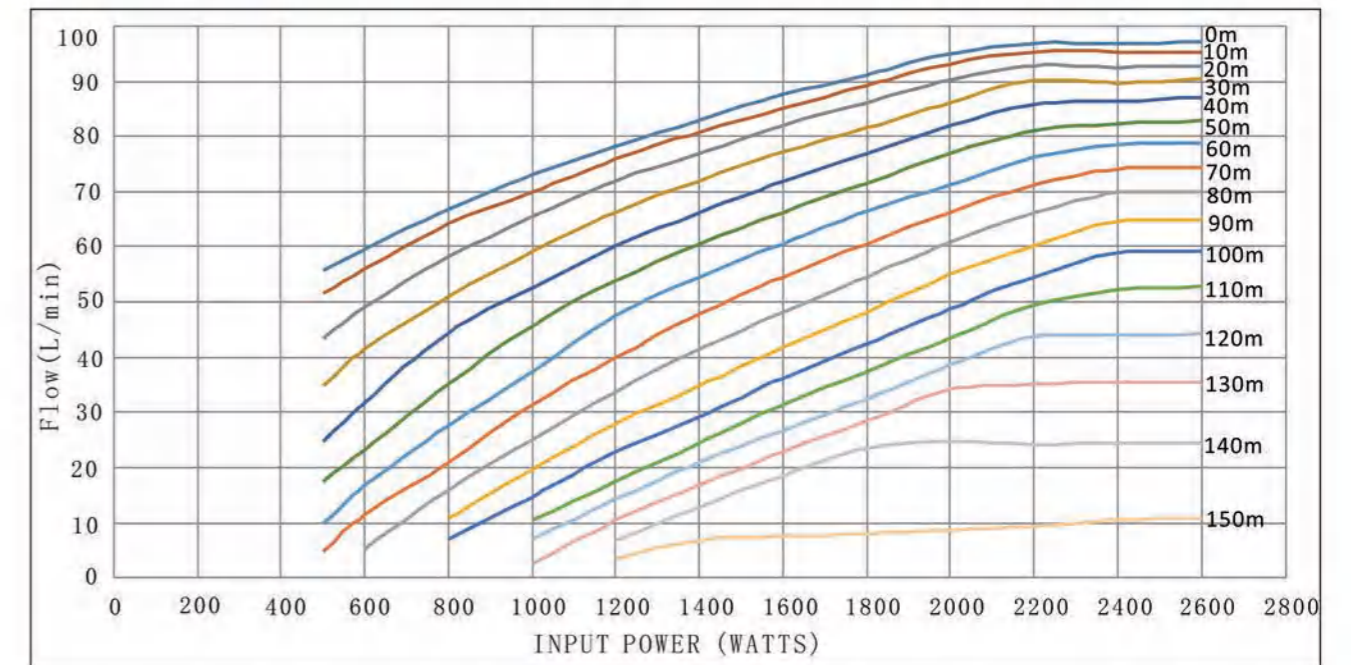
### 4SPW/N 2-13 MOTOR 2HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
0	57	61	68	74	80	85	89	92	92	92
10	52	57	65	71	77	82	87	90	90	90
20	44	50	59	67	73	78	84	88	86	87
30	35	41	52	60	67	73	78	83	84	84
40	25	32	44	53	61	67	73	78	80	80
50	16	23	36	46	54	61	67	72	75	75
60	9	16	27	38	46	55	61	66	70	70
70	5	10	20	30	39	48	54	60	64	64
80		6	15	25	33	40	47	54	59	58
90			11	19	26	34	42	48	51	51
100			7	14	22	28	35	41	41	41
110			4	11	18	24	28	29	29	30
120				7	11	12	13	14	14	15

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW2-13 or 4SPN2-13	92L/min	130m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	4"
	PV Connection	Max input power	Pump length(4SPN2-13)	Volume(4SPN2-13)	Gross weight(4SPN2-13)	Net weight(4SPN2-13)
	in series	2.2KW	0.89m	1.05m*0.13m*0.15m	16.7KGS	13.1KGS
	Outlet size	Motor size	Pump length(4SPW2-13)	Volume(4SPW2-13)	Gross weight(4SPW2-13)	Net weight(4SPW2-13)
	1.25"	4"	0.64m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	16.6KGS	15KGS

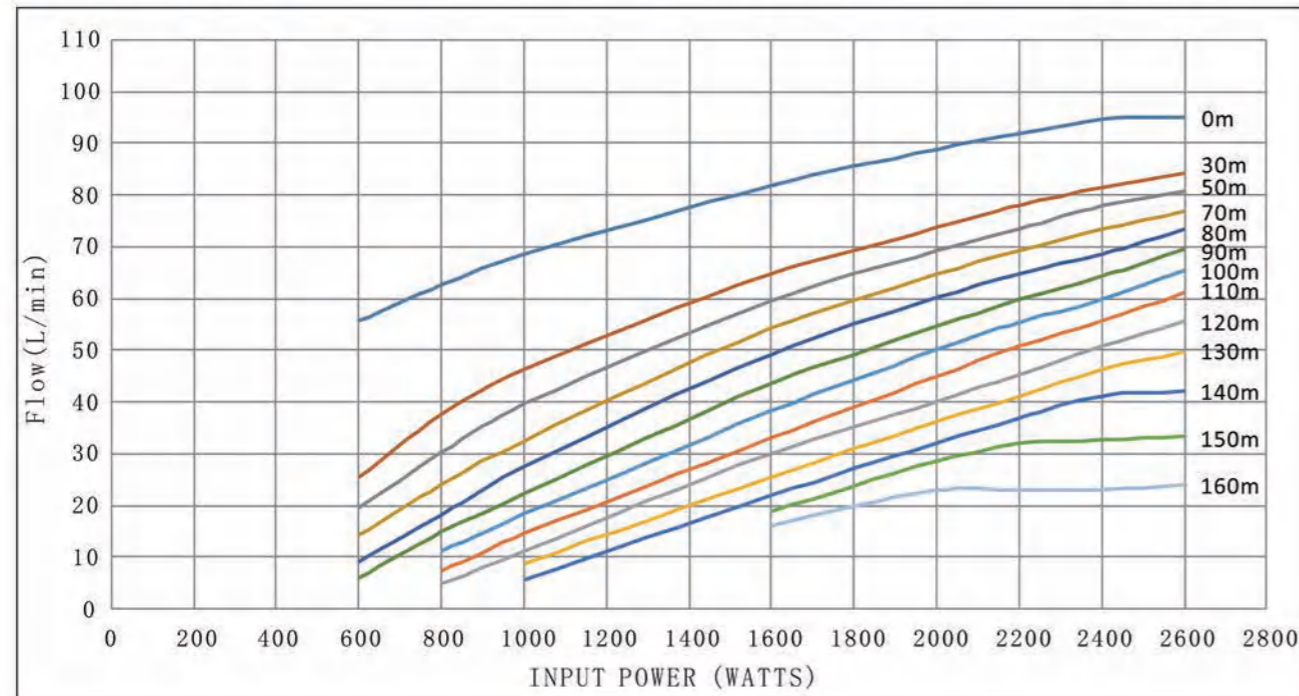
### 4SPW/N 2-16 MOTOR 2.5HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)											
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600
0	56	60	67	73	78	83	88	91	95	97	97	97
10	52	56	64	70	76	81	85	89	93	95	95	95
20	43	49	58	65	72	77	82	86	90	93	93	93
30	35	41	51	59	66	72	77	81	86	90	90	90
40	25	32	44	53	60	66	72	77	82	86	86	87
50	18	23	35	46	54	60	66	71	77	81	82	83
60	10	17	28	37	47	55	61	66	71	76	78	79
70	5	11	21	31	40	48	55	61	66	71	74	74
80		5	16	25	34	41	48	55	61	66	70	70
90			11	20	28	35	42	48	55	60	65	65
100			7	15	23	29	36	42	49	55	59	59
110				10	18	24	31	37	43	49	52	53
120				7	14	21	27	32	39	44	44	44
130				3	10	17	23	28	34	35	36	36
140					7	13	19	24	25	24	25	24
150					4	7	8	8	9	9	11	11

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW2-16 or 4SPN2-16	97L/min	158m	280-380Vmp (VOCmax=440V)	500-3600	300W*9	4"
	PV Connection	Max input power	Pump length(4SPN2-16)	Volume(4SPN2-16)	Gross weight(4SPN2-16)	Net weight(4SPN2-16)
	in series	2.8KW	0.98m	1.05m*0.13m*0.15m	18.5KGS	14.9KGS
	Outlet size	Motor size	Pump length(4SPW2-16)	Volume(4SPW2-16)	Gross weight(4SPW2-16)	Net weight(4SPW2-16)
	1.25"	4"	0.73m	0.8m*0.13m*0.15m 0.35m*0.26m*0.21m	20.6KGS	17KGS

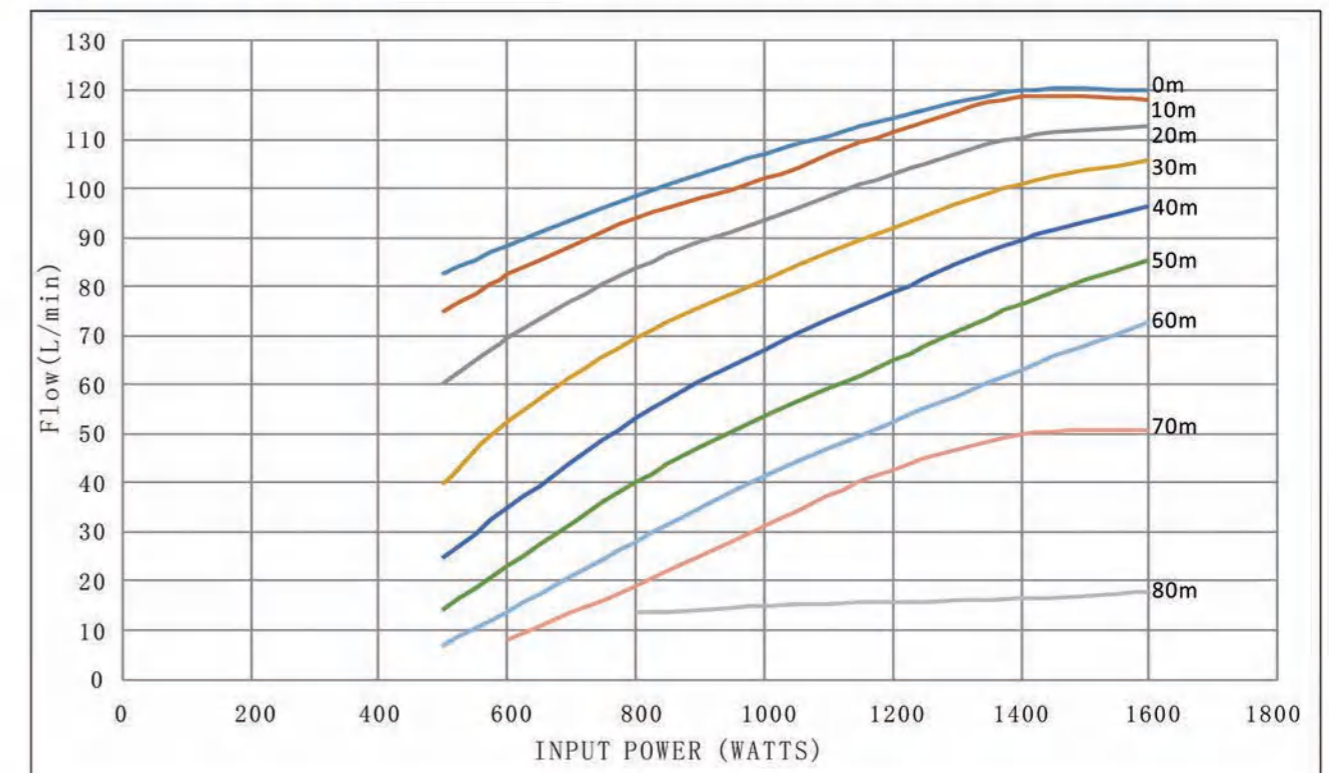
### 4SPW/N 2-18 MOTOR 3HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)							
	600	800	1000	1600	2000	2200	2400	2600
0	56	63	68	82	89	92	95	95
50	25	38	46	65	74	78	81	84
60	19	30	40	60	69	73	78	81
70	14	24	33	54	65	69	73	77
80	9	18	28	49	60	65	69	73
90	6	15	22	44	55	60	64	69
100		11	18	38	50	55	60	65
110		7	15	33	45	51	56	61
120		5	11	30	40	45	51	56
130			9	26	36	41	46	50
140			6	22	32	37	41	42
150				19	29	32	33	33
160				16	23	23	23	24

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW2-18 or 4SPN2-18	95L/min	184m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length(4SPN2-18)	Volume(4SPN2-18)	Gross weight(4SPN2-18)	Net weight(4SPN2-18)
	in series	3KW	1.05m	1.05m*0.13m*0.15m	18.9KGS	15.3KGS
	Outlet size	Motor size	Pump length(4SPW2-18)	Volume(4SPW2-18)	Gross weight(4SPW2-18)	Net weight(4SPW2-18)
	1.25"	4"	0.77m	0.8m*0.13m*0.15m 0.35m*0.26m*0.21m	21KGS	17.4KGS

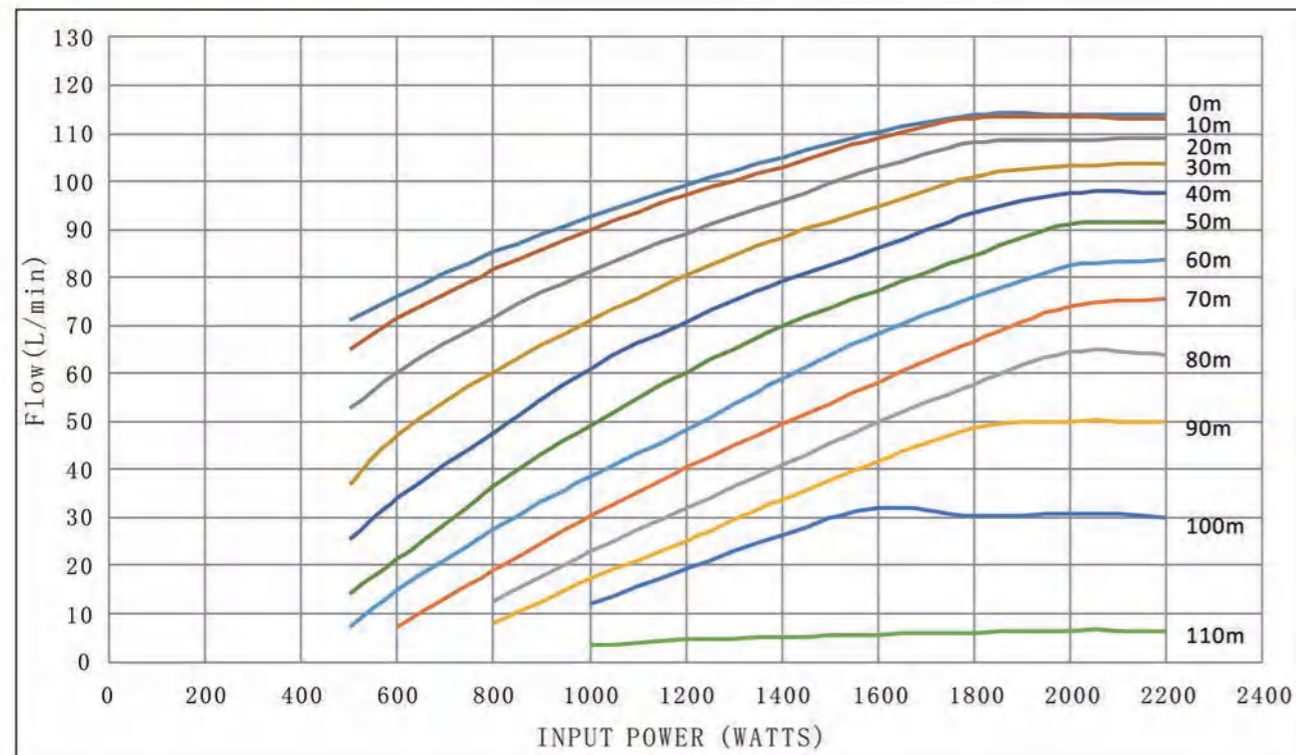
### 4SPW/N 3-8 MOTOR 1.5HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)						
	500	600	800	1000	1200	1400	1600
0	82	88	98	107	114	120	120
10	75	82	94	102	112	119	118
20	60	69	84	94	103	110	113
30	40	52	69	81	92	101	106
40	25	35	53	67	79	90	97
50	14	23	40	53	65	76	86
60	7	14	28	41	52	63	73
70		8	19	31	43	50	51
80			14	15	16	16	18

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW3-8 or 4SPN3-8	120L/min	88m	130-190Vmp (VOCmax=230V)	500-3600	300W*6	4"
	PV Connection	Max input power	Pump length(4SPN3-8)	Volume(4SPN3-8)	Gross weight(4SPN3-8)	Net weight(4SPN3-8)
	in series	2.0KW	0.6m	0.11m*0.11m*0.86m	11.9KGS	10.8KGS
	Outlet size	Motor size	Pump length(4SPW3-8)	Volume(4SPW3-8)	Gross weight(4SPW3-8)	Net weight(4SPW3-8)
	1.25"	4"	0.52m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	14.6KGS	13.2KGS

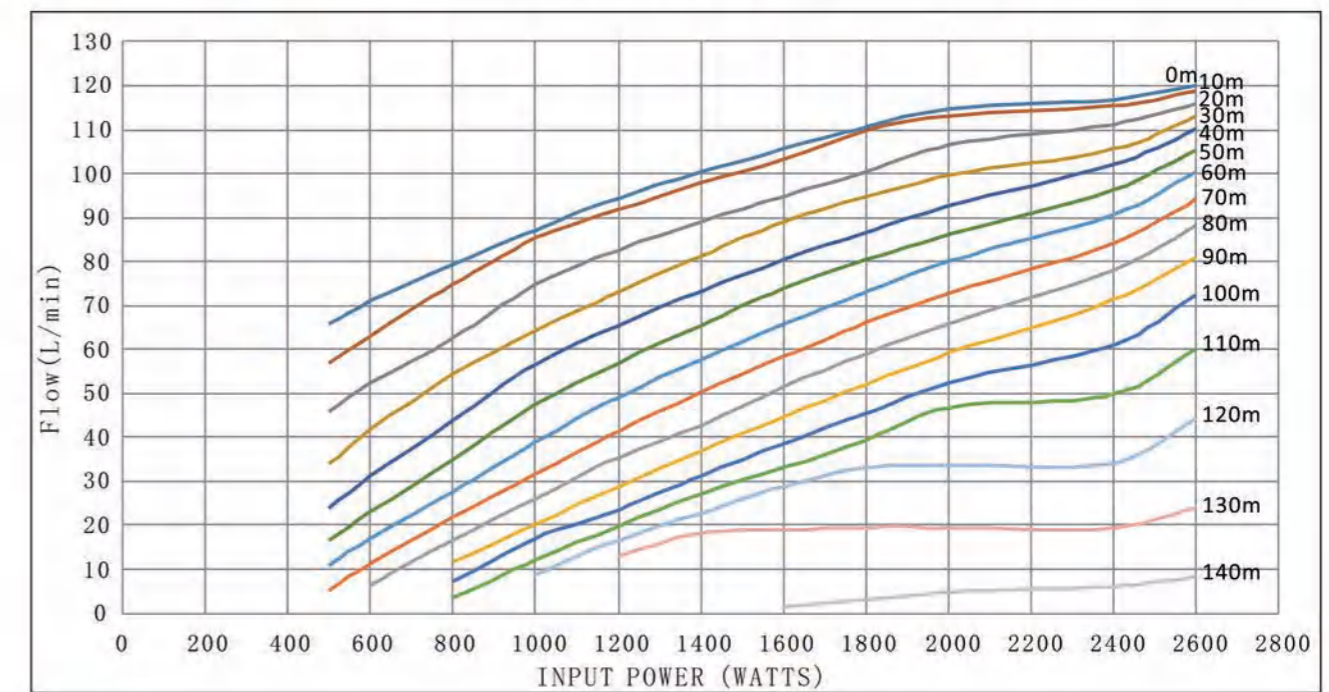
### 4SPW/N 3-11 MOTOR 2HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
	FLOW RATE (LITERS MINUTE)									
0	71	76	85	93	99	105	110	114	114	114
10	65	71	81	90	97	103	109	113	113	113
20	53	60	72	81	89	96	103	108	109	109
30	37	47	60	71	80	88	95	101	103	104
40	26	34	48	61	71	79	86	93	98	98
50	14	21	36	49	60	70	77	85	91	91
60	7	15	27	39	48	59	68	76	82	84
70		7	19	30	40	49	58	67	74	76
80			13	23	32	41	50	58	64	64
90			8	17	25	34	42	49	50	50
100				12	19	26	32	30	31	30
110				3	5	5	6	6	7	7

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW3-11 or 4SPN3-11	114L/min	114m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	4"
	PV Connection	Max input power	Pump length(4SPN3-11)	Volume(4SPN3-11)	Gross weight(4SPN3-11)	Net weight(4SPN3-11)
	in series	2.2KW	0.85m	1.05m*0.13m*0.15m	16.2KGS	12.6KGS
	Outlet size	Motor size	Pump length(4SPW3-11)	Volume(4SPW3-11)	Gross weight(4SPW3-11)	Net weight(4SPW3-11)
	1.25"	4"	0.6m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	16.1KGS	14.5KGS

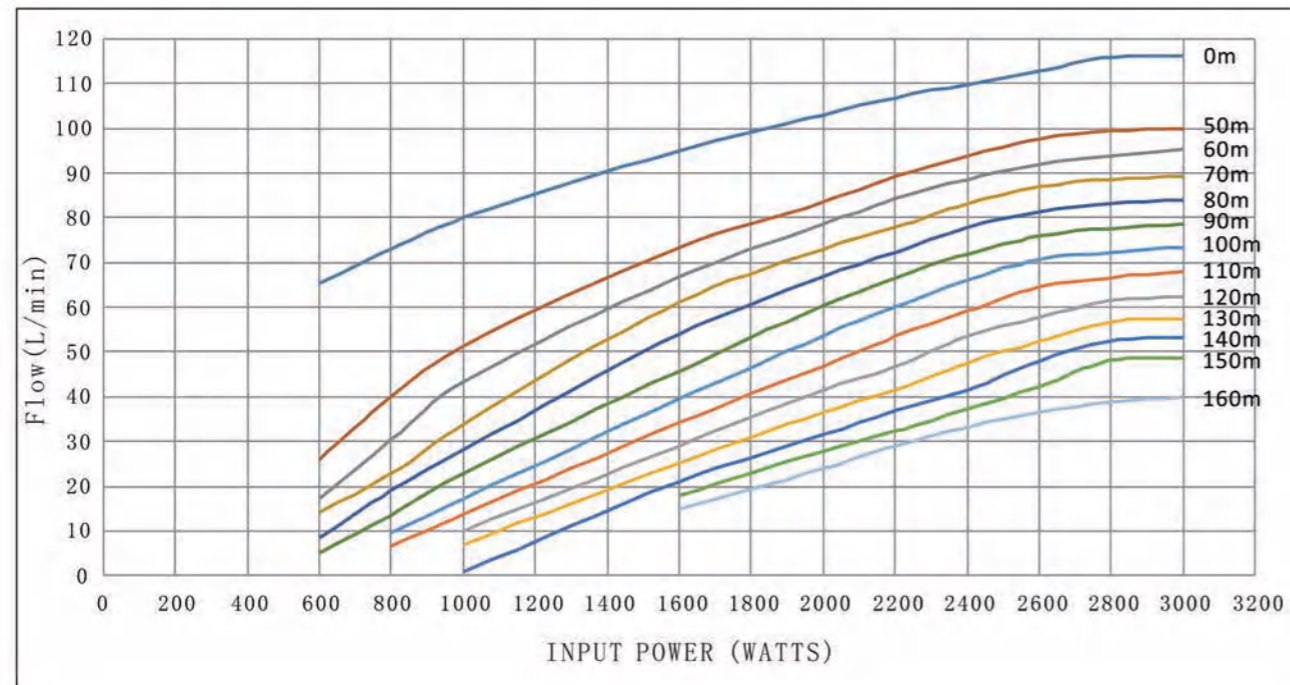
### 4SPW/N 3-13 MOTOR 2.5HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)										
	500	600	800	1000	1200	1400	1600	1800	2000	2400	2600
	FLOW RATE (LITERS MINUTE)										
0	66	71	79	87	95	100	106	111	115	117	120
10	57	63	75	85	92	98	103	110	113	115	119
20	46	52	62	75	83	89	95	100	106	111	116
30	34	42	54	64	73	81	89	95	100	106	113
40	24	31	44	57	65	73	80	87	93	102	110
50	17	23	35	47	57	65	74	80	86	96	105
60	11	17	28	39	49	58	66	73	80	91	100
70	5	11	22	32	41	50	58	66	73	84	94
80		6	17	26	35	43	51	59	66	78	88
90			12	20	29	37	45	52	59	71	81
100			7	17	24	31	39	45	52	61	72
110			3	12	20	27	33	39	47	50	60
120				9	17	23	29	33	34	34	44
130					13	18	19	20	20	19	24
140							2	3	5	6	8

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW3-13 or 4SPN3-13	120L/min	146m	280-380Vmp (VOCmax=440V)	500-3600	300W*9	4"
	PV Connection	Max input power	Pump length(4SPN3-13)	Volume(4SPN3-13)	Gross weight(4SPN3-13)	Net weight(4SPN3-13)
	in series	2.8KW	0.92m	1.05m*0.13m*0.15m	17.9KGS	14.3KGS
	Outlet size	Motor size	Pump length(4SPW3-13)	Volume(4SPW3-13)	Gross weight(4SPW3-13)	Net weight(4SPW3-13)
	1.25"	4"	0.67m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	18KGS	16.4KGS

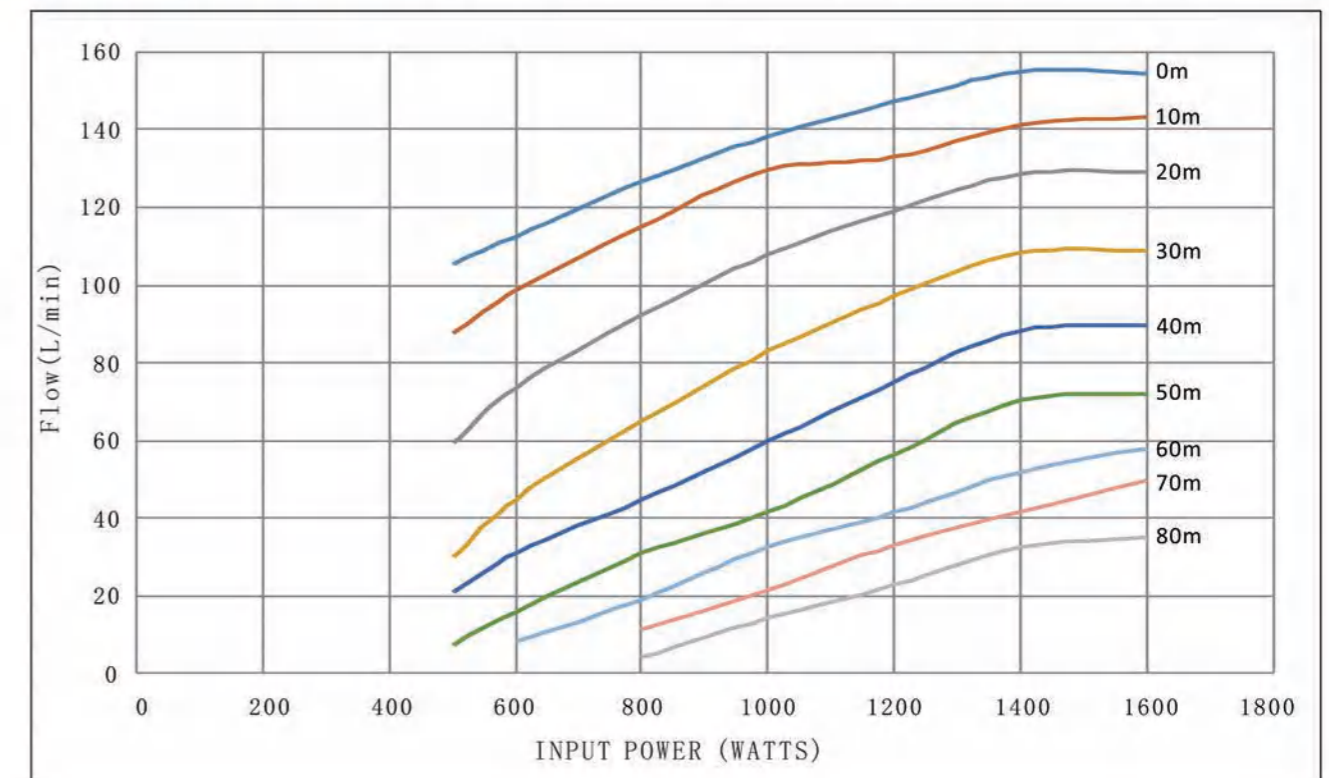
### 4SPW/N 3-18 MOTOR 3HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)									
	600	800	1000	1600	2000	2200	2400	2600	2800	3000
0	65	73	80	95	103	107	110	113	116	116
50	26	40	51	73	84	89	94	98	99	100
60	17	30	43	67	78	84	89	92	94	95
70	14	23	34	61	73	78	83	87	89	89
80	9	19	28	54	67	72	78	81	83	84
90	5	14	23	46	60	67	72	76	78	78
100		10	17	39	54	60	66	71	72	73
110		7	14	34	47	53	59	64	67	68
120			10	29	42	47	53	58	61	62
130			7	25	37	41	48	52	57	57
140			1	21	32	37	41	48	53	53
150				18	28	32	37	42	48	49
160				15	24	29	33	36	39	40

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW3-18 or 4SPN3-18	116L/min	191m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length(4SPN3-18)	Volume(4SPN3-18)	Gross weight(4SPN3-18)	Net weight(4SPN3-18)
	in series	3KW	1.05m	1.05m*0.13m*0.15m	18.9KGS	15.3KGS
	Outlet size	Motor size	Pump length(4SPW3-18)	Volume(4SPW3-18)	Gross weight(4SPW3-18)	Net weight(4SPW3-18)
	1.25"	4"	0.77m	0.8m*0.13m*0.15m 0.35m*0.26m*0.21m	21KGS	17.4KGS

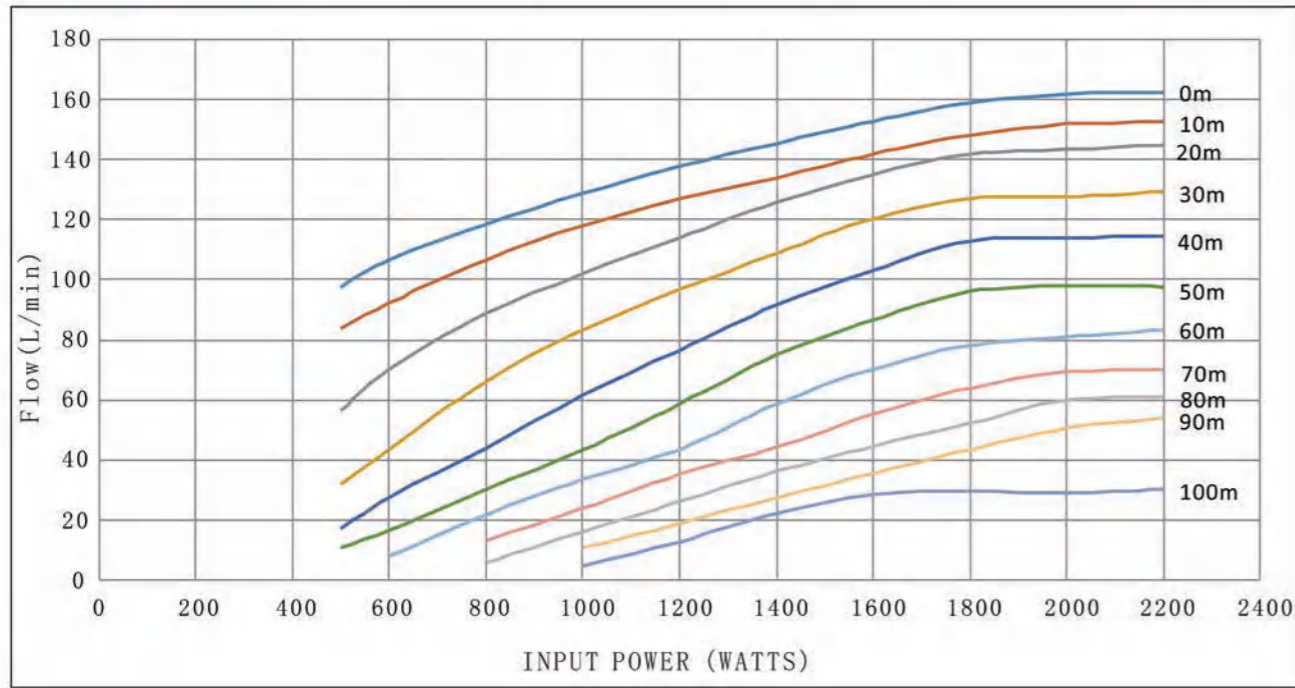
### 4SPW/N 5-8 MOTOR 1.5HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)						
	500	600	800	1000	1200	1400	1600
0	105	113	127	138	147	155	155
10	88	99	115	130	133	141	143
20	59	74	92	108	119	129	129
30	30	45	65	83	97	108	109
40	21	31	45	60	75	88	90
50	7	16	31	41	56	70	72
60		8	19	33	41	52	58
70			11	21	33	42	49
80			4	14	23	32	35

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW5-8 or 4SPN5-8	157L/min	92m	130-190Vmp (VOCmax=230V)	500-3600	300W*6	4"
	PV Connection	Max input power	Pump length(4SPN5-8)	Volume(4SPN5-8)	Gross weight(4SPN5-8)	Net weight(4SPN5-8)
	in series	2.0KW	0.6m	0.11m*0.11m*0.86m	11.9KGS	10.8KGS
	Outlet size	Motor size	Pump length(4SPW5-8)	Volume(4SPW5-8)	Gross weight(4SPW5-8)	Net weight(4SPW5-8)
	1.5"	4"	0.52m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	14.6KGS	13.2KGS

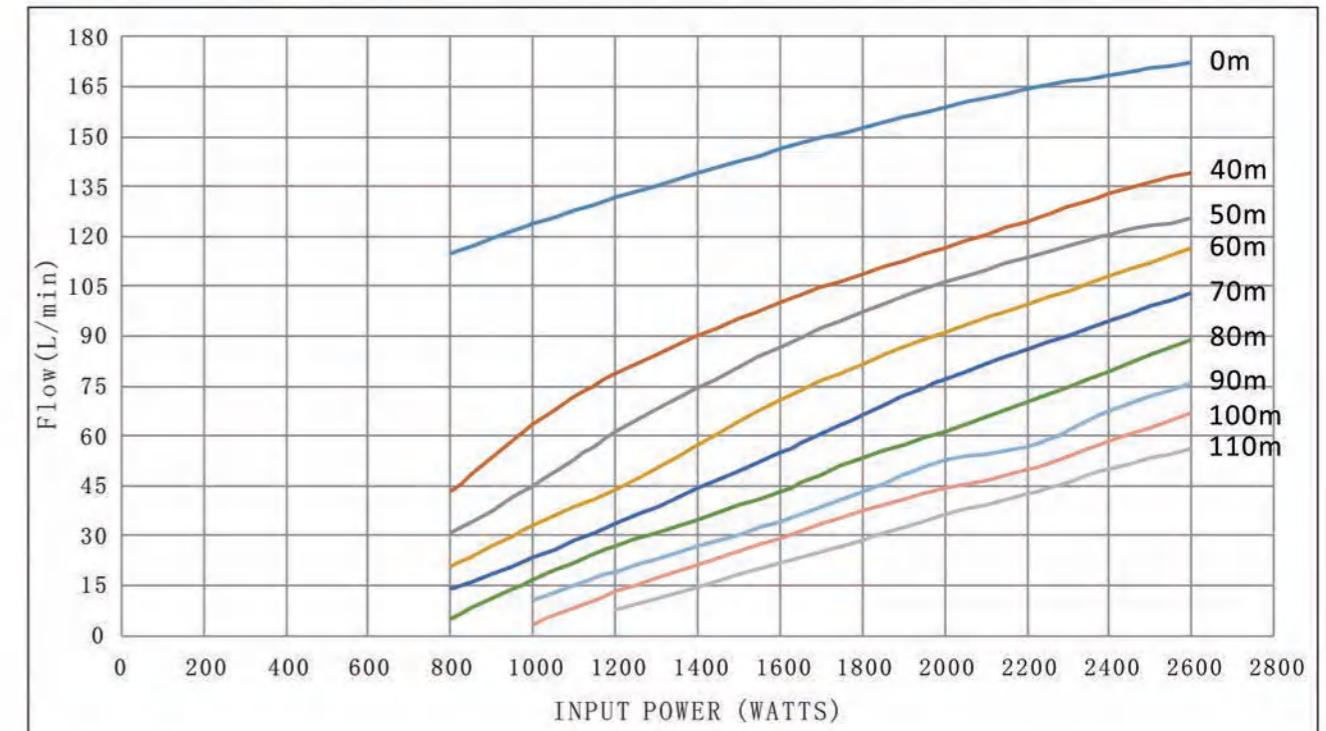
### 4SPW/N 5-10 MOTOR 2HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
	FLOW RATE (LITERS MINUTE)									
0	98	107	118	129	138	145	153	159	162	162
10	84	92	107	118	127	134	142	148	152	152
20	57	70	89	102	114	126	135	142	143	145
30	32	44	66	83	97	109	120	127	128	129
40	17	28	44	62	77	92	103	113	114	114
50	11	17	30	43	59	75	87	96	98	98
60		8	22	34	44	59	70	78	81	83
70			13	24	35	44	55	64	69	70
80			6	16	26	36	45	52	60	61
90				11	19	28	36	44	51	54
100				5	13	22	29	30	29	30

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW5-10 or 4SPN5-10	162L/min	112m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	4"
	PV Connection	Max input power	Pump length(4SPN5-10)	Volume(4SPN5-10)	Gross weight(4SPN5-10)	Net weight(4SPN5-10)
	in series	2.2KW	0.83m	1.05m*0.13m*0.15m	15.9KGS	12.3KGS
	Outlet size	Motor size	Pump length(4SPW5-10)	Volume(4SPW5-10)	Gross weight(4SPW5-10)	Net weight(4SPW5-10)
	1.5"	4"	0.58m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	15.8KGS	14.2KGS

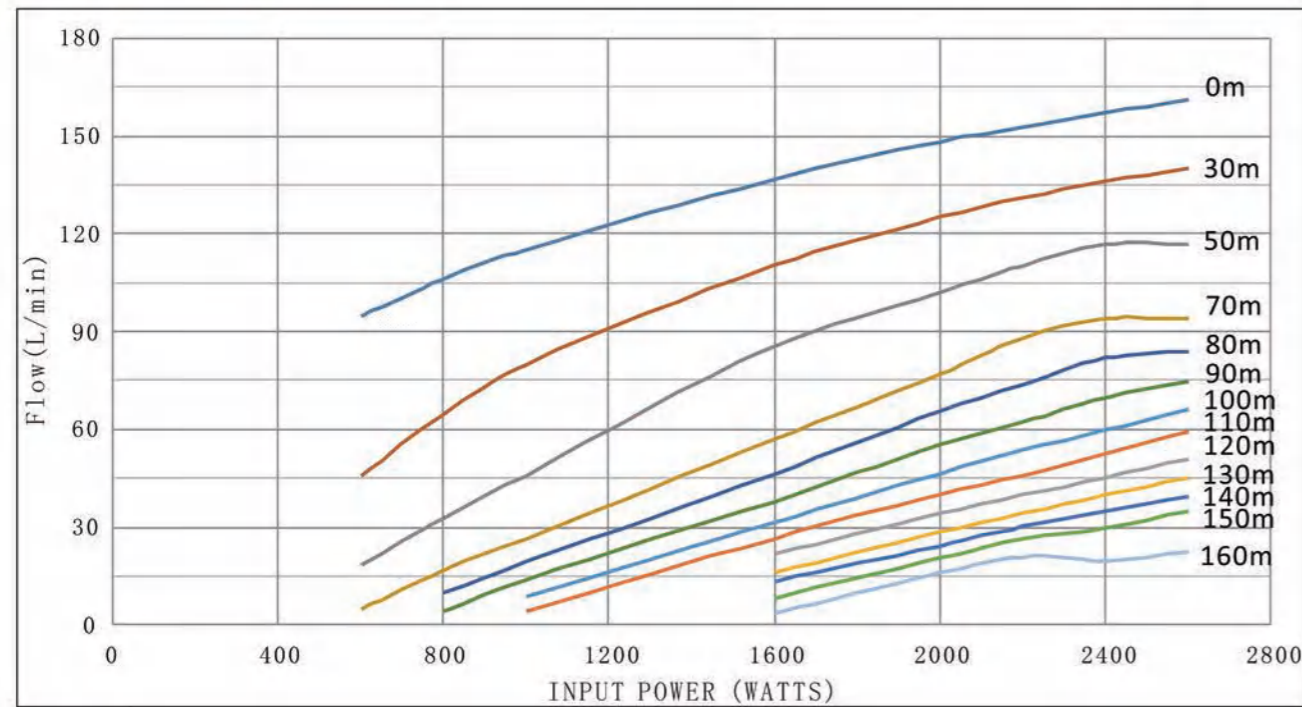
### 4SPW/N 5-12 MOTOR 2.5HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)									
	800	1000	1200	1600	1800	2000	2200	2400	2600	
	FLOW RATE (LITERS MINUTE)									
0	115	124	132	146	153	159	164	169	172	
40	43	63	79	100	109	117	125	133	139	
50	31	45	61	87	97	106	114	121	125	
60	20	33	44	71	82	91	100	108	117	
70	14	23	33	55	66	77	86	95	103	
80	5	17	27	43	53	61	70	79	89	
90		10	19	34	43	53	57	67	76	
100		3	13	29	37	44	50	58	67	
110			8	22	29	36	42	50	56	

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW5-12 or 4SPN5-12	172L/min	134m	280-380Vmp (VOCmax=440V)	500-3600	300W*9	4"
	PV Connection	Max input power	Pump length(4SPN5-12)	Volume(4SPN5-12)	Gross weight(4SPN5-12)	Net weight(4SPN5-12)
	in series	2.8KW	0.9m	1.05m*0.13m*0.15m	17.6KGS	14KGS
	Outlet size	Motor size	Pump length(4SPW5-12)	Volume(4SPW5-12)	Gross weight(4SPW5-12)	Net weight(4SPW5-12)
	1.5"	4"	0.65m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	17.7KGS	16.1KGS

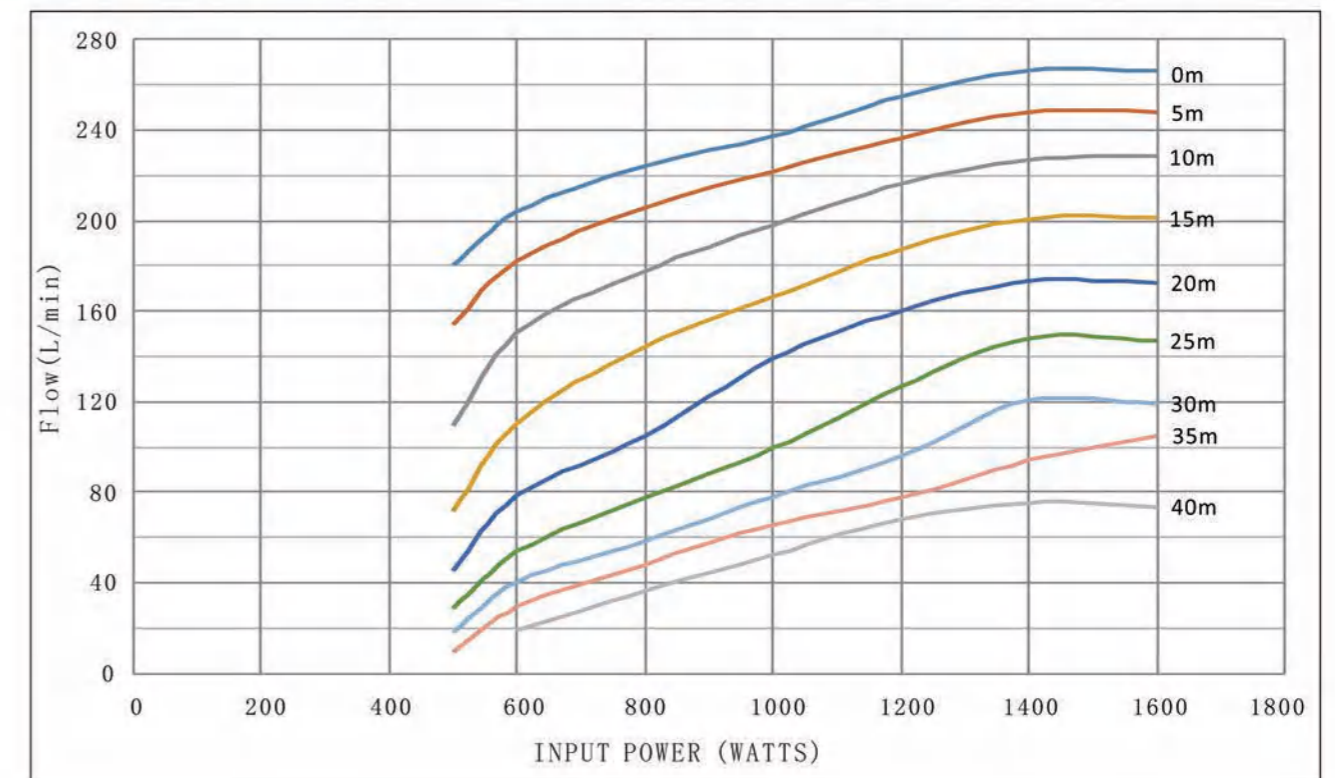
### 4SPW/N 5-15 MOTOR 3HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)							
	600	800	1000	1600	2000	2200	2400	2600
0	95	106	115	137	148	153	157	161
30	45	65	80	110	125	131	136	140
50	18	33	46	86	102	110	117	117
60	5	17	26	57	77	88	94	94
70		10	19	46	65	74	82	84
80		4	14	38	55	62	70	74
90			9	31	46	54	60	66
100			4	27	40	46	53	59
110				22	34	40	45	51
120				16	28	34	40	45
130				13	24	30	35	39
140				8	20	26	30	35
150				3	16	21	20	23
160								

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW5-15 or 4SPN5-15	161L/min	170m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length(4SPN5-15)	Volume(4SPN5-15)	Gross weight(4SPN5-15)	Net weight(4SPN5-15)
	in series	3KW	0.97m	1.05m*0.13m*0.15m	18.3KGS	14.7KGS
	Outlet size	Motor size	Pump length(4SPW5-15)	Volume(4SPW5-15)	Gross weight(4SPW5-15)	Net weight(4SPW5-15)
	1.5"	4"	0.72m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	18.4KGS	16.8KGS

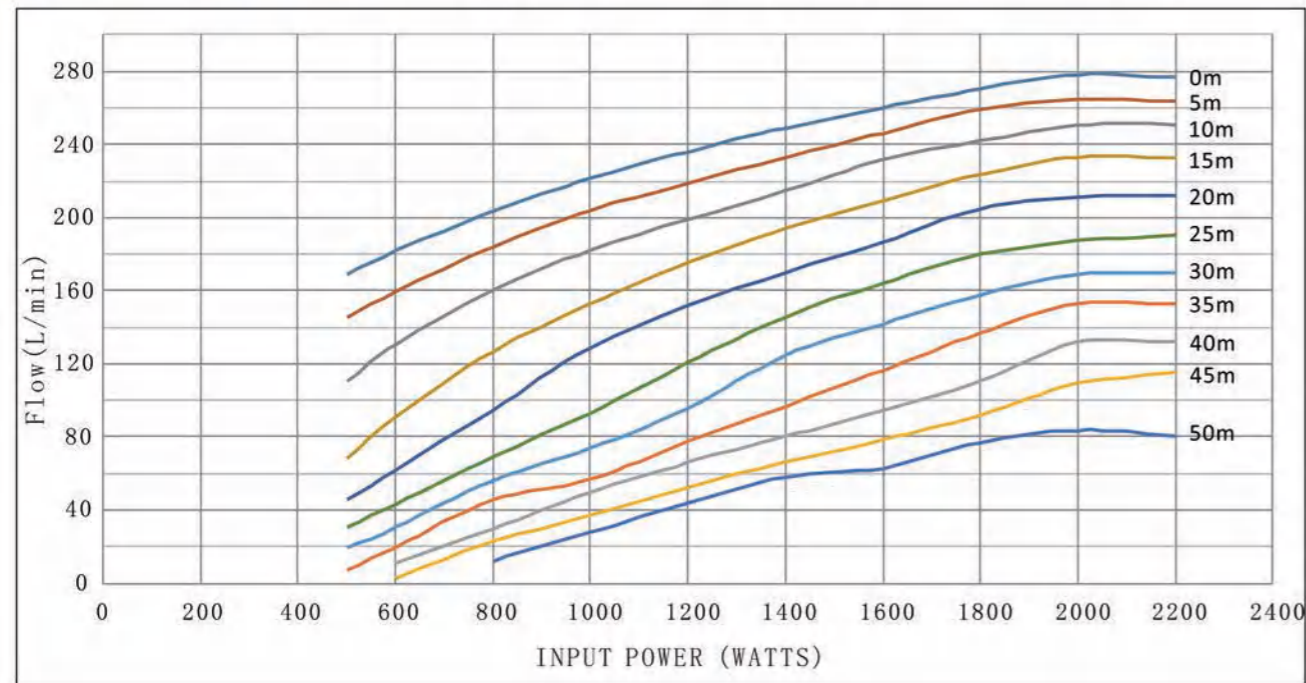
### 4SPW/N 8-4 MOTOR 1.5HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)						
	500	600	800	1000	1200	1400	1600
0	180	204	224	237	255	266	266
5	154	182	206	222	237	248	248
10	109	150	178	198	216	227	228
15	71	110	144	166	188	201	202
20	46	78	105	139	160	173	173
25	29	54	77	99	126	148	147
30	18	40	58	78	96	121	119
35	9	29	48	66	77	94	105
40		19	36	52	68	75	74

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW8-4 or 4SPN8-4	267L/min	45m	130-190Vmp (VOCmax=230V)	500-3600	300W*6	4"
	PV Connection	Max input power	Pump length(4SPN8-4)	Volume(4SPN8-4)	Gross weight(4SPN8-4)	Net weight(4SPN8-4)
	in series	2.0KW	0.54m	0.11m*0.11m*0.86m	11.3KGS	10.2KGS
	Outlet size	Motor size	Pump length(4SPW8-4)	Volume(4SPW8-4)	Gross weight(4SPW8-4)	Net weight(4SPW8-4)
	2"	4"	0.45m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	14KGS	12.6KGS

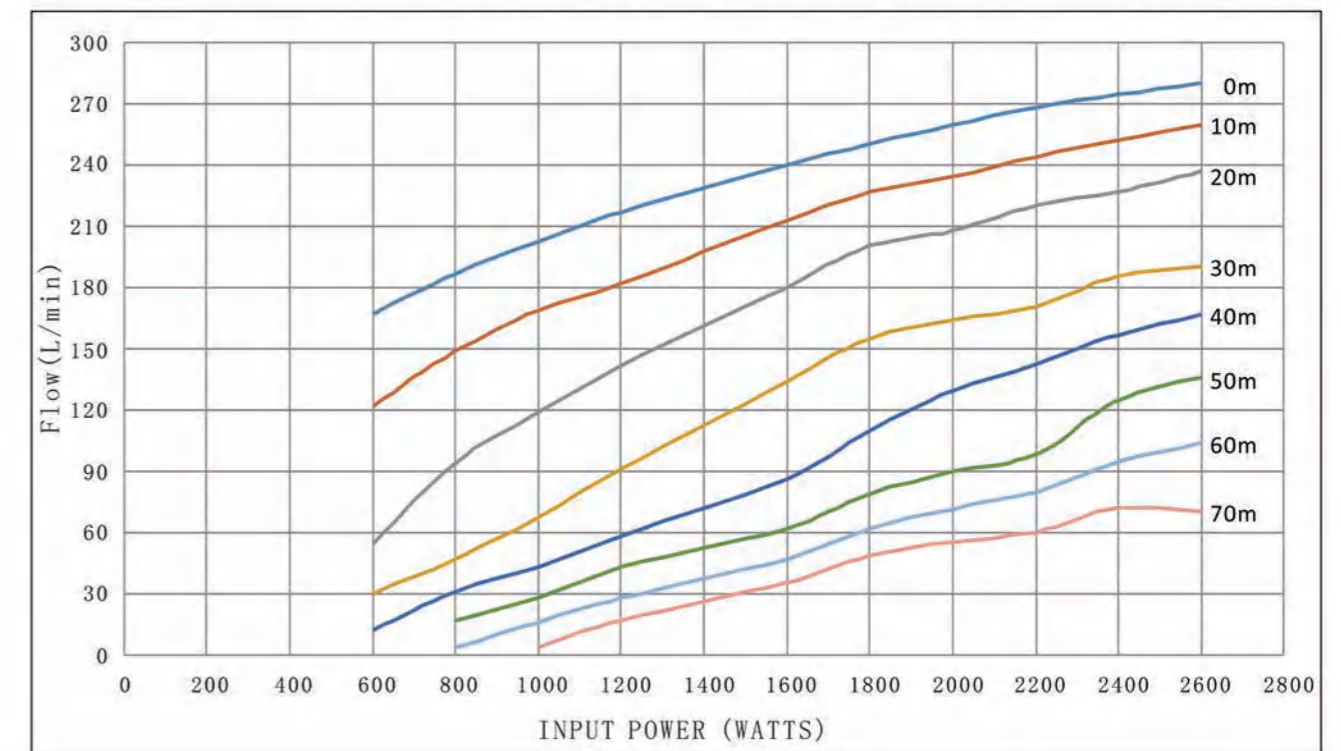
### 4SPW/N 8-5 MOTOR 2HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
0	169	182	203	221	236	249	260	270	278	277
5	145	159	184	204	219	233	246	259	265	263
10	110	130	160	182	199	215	232	242	250	251
15	69	90	127	152	176	194	209	224	233	233
20	45	62	95	129	151	170	187	205	211	212
25	30	43	69	93	121	146	164	180	187	190
30	19	30	56	74	95	125	142	158	169	170
35	7	20	45	57	78	97	116	137	153	152
40		11	30	50	66	80	95	110	132	132
45		3	23	37	52	66	78	92	109	115
50			12	28	44	58	63	77	84	81

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW8-5 or 4SPN8-5	277L/min	57m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	4"
	PV Connection	Max input power	Pump length (4SPN8-5)	Volume (4SPN8-5)	Gross weight (4SPN8-5)	Net weight (4SPN8-5)
	in series	2.2KW	0.75m	0.8m*0.13m*0.15m	14.8KGS	11.7KGS
	Outlet size	Motor size	Pump length (4SPW8-5)	Volume (4SPW8-5)	Gross weight (4SPW8-5)	Net weight (4SPW8-5)
	2"	4"	0.5m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	15KGS	13.6KGS

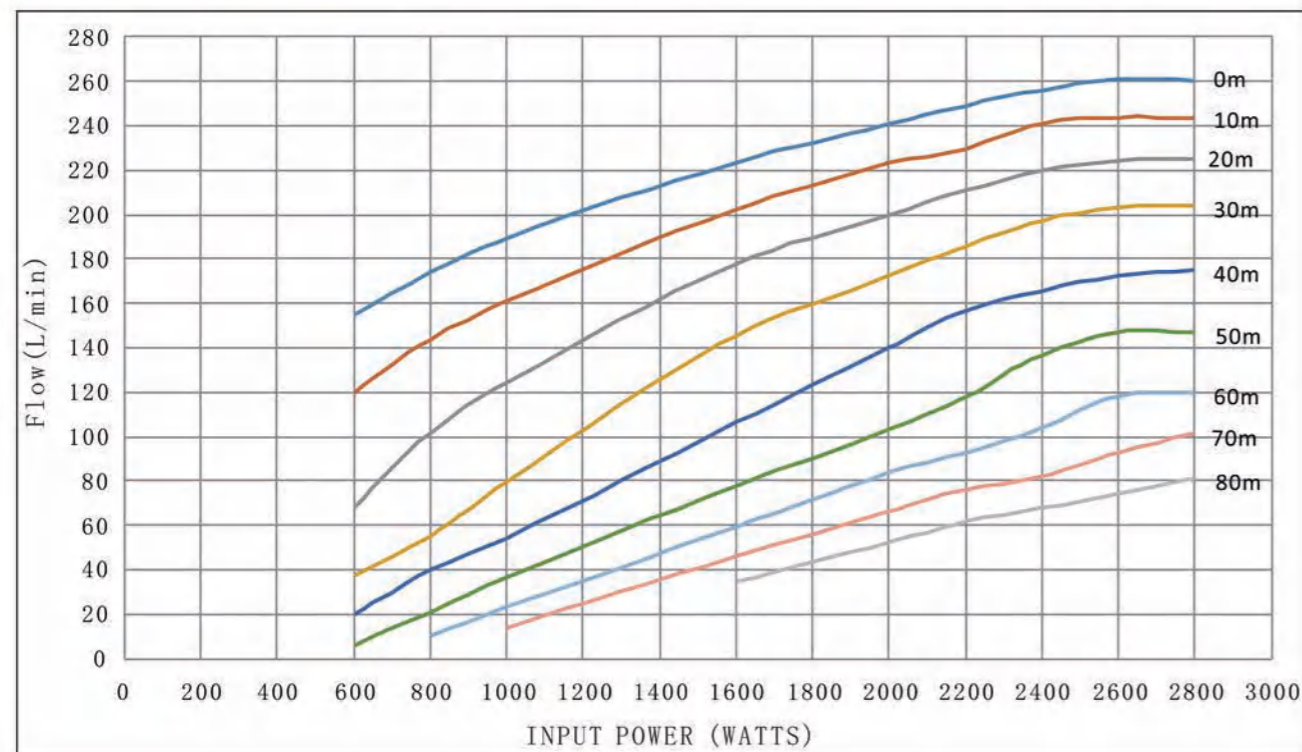
### 4SPW/N 8-7 MOTOR 2.5HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)									
	600	800	1000	1200	1600	1800	2000	2200	2400	2600
0	167	187	203	217	240	251	260	269	275	281
10	122	149	169	182	213	227	234	244	253	260
20	54	94	119	142	181	200	208	220	227	237
30	30	47	67	91	134	155	164	171	186	190
40	12	31	43	58	86	110	129	142	157	167
50		17	28	43	62	79	90	98	125	136
60		3	16	28	47	62	71	80	95	104
70			4	17	35	48	55	60	72	70

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW8-7 or 4SPN8-7	281L/min	78m	280-380Vmp (VOCmax=440V)	500-3600	300W*9	4"
	PV Connection	Max input power	Pump length (4SPN8-7)	Volume (4SPN8-7)	Gross weight (4SPN8-7)	Net weight (4SPN8-7)
	in series	2.8KW	0.83m	1.05m*0.13m*0.15m	17.1KGS	13.5KGS
	Outlet size	Motor size	Pump length (4SPW8-7)	Volume (4SPW8-7)	Gross weight (4SPW8-7)	Net weight (4SPW8-7)
	2"	4"	0.58m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	17.2KGS	15.6KGS

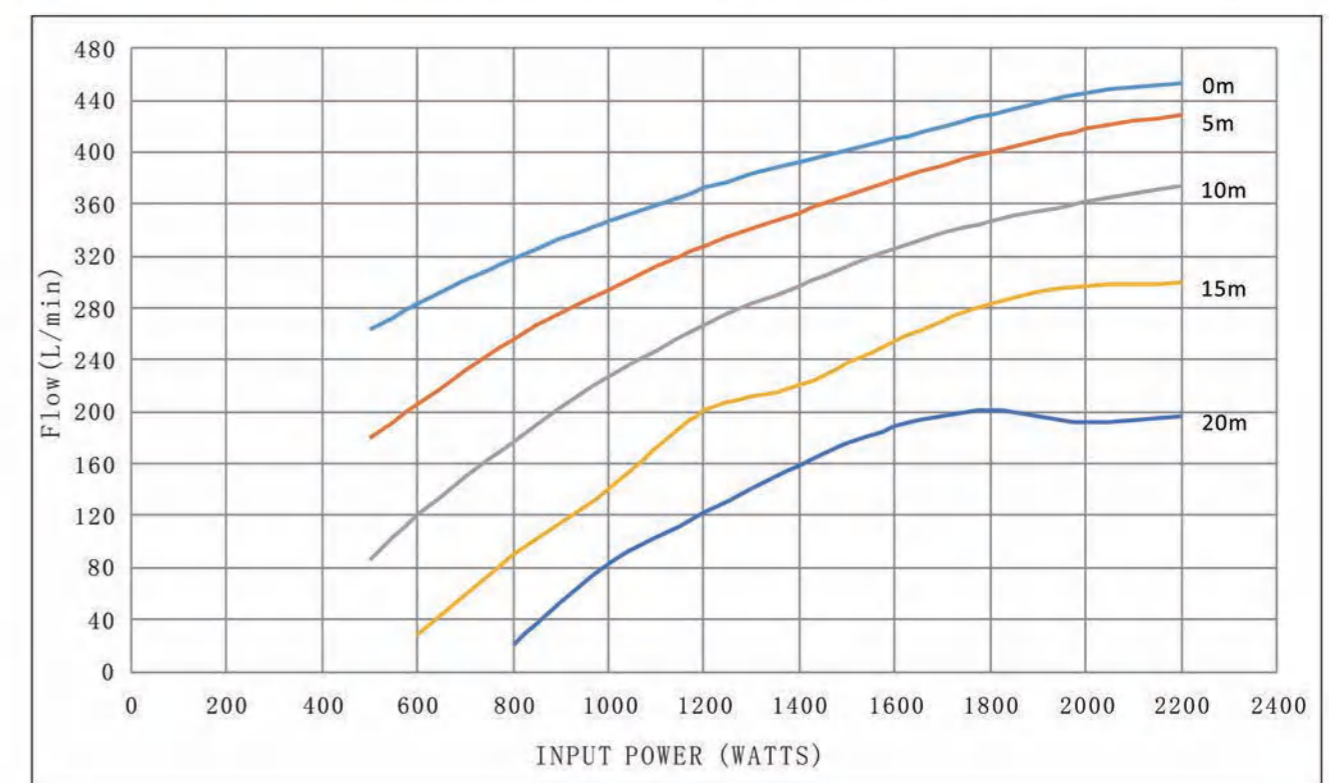
### 4SPW/N 8-8 MOTOR 3HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)								
	600	800	1000	1600	2000	2200	2400	2600	2800
	FLOW RATE (LITERS MINUTE)								
0	155	174	190	223	241	249	256	261	261
10	120	144	161	202	223	230	241	244	243
20	68	102	124	178	200	211	220	224	225
30	37	55	80	146	172	186	197	203	204
40	20	40	54	106	140	157	166	172	175
50	6	21	36	78	103	118	137	147	147
60		10	23	59	84	93	104	118	120
70			14	46	66	76	82	93	102
80				34	52	62	68	74	81

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW8-8 or 4SPN8-8	261L/min	90m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length (4SPN8-8)	Volume (4SPN8-8)	Gross weight (4SPN8-8)	Net weight (4SPN8-8)
	in series	3KW	0.86m	1.05m*0.13m*0.15m	17.3KGS	13.7KGS
	Outlet size	Motor size	Pump length (4SPW8-8)	Volume (4SPW8-8)	Gross weight (4SPW8-8)	Net weight (4SPW8-8)
	2"	4"	0.61m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	17.4KGS	15.8KGS

### 4SPW/N 14-2 MOTOR 2HP Centrifugal pump (Stainless steel impeller)

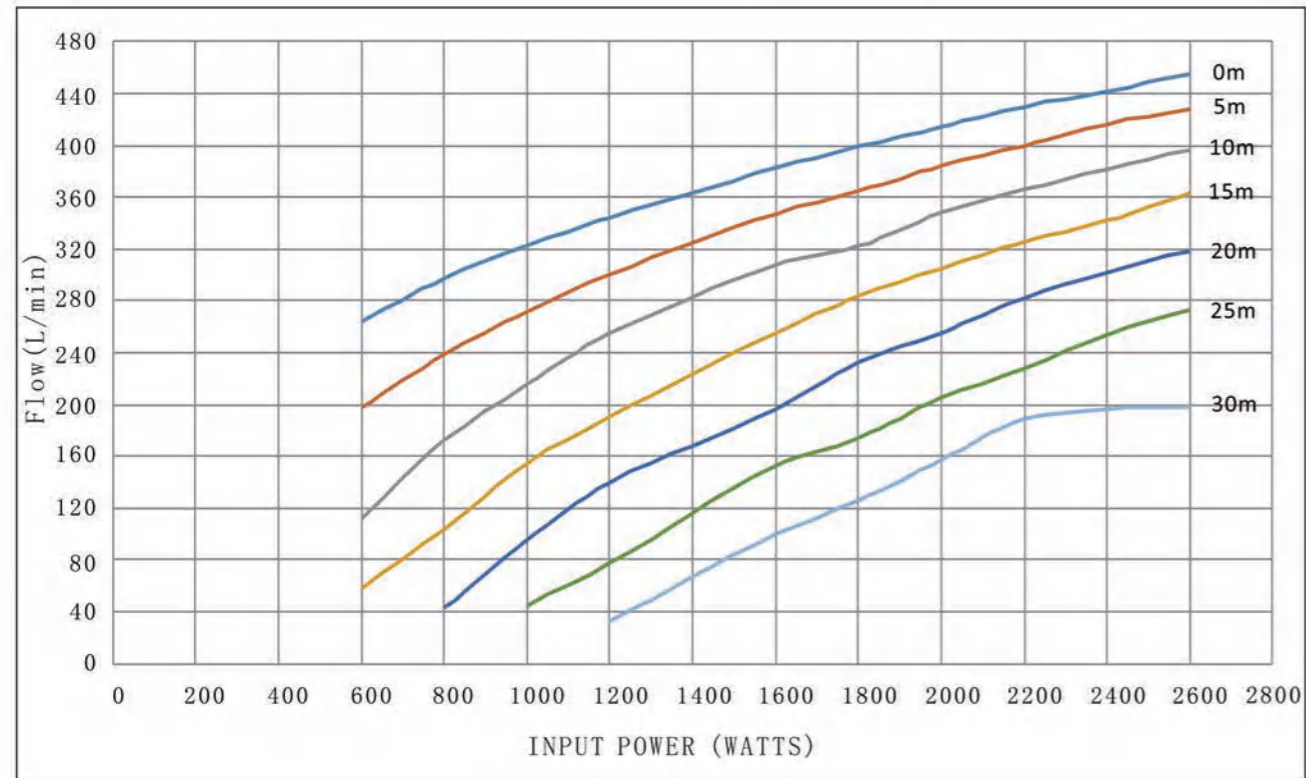


HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
	FLOW RATE (LITERS MINUTE)									
0	263	283	318	347	372	393	410	429	445	453
5	180	205	256	294	328	354	379	400	418	429
10	86	120	177	226	267	297	326	347	362	374
15		28	90	140	201	221	254	284	297	299
20			21	83	122	159	188	201	192	197

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW14-2 or 4SPN14-2	453L/min	24m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	4"
	PV Connection	Max input power	Pump length (4SPN14-2)	Volume (4SPN14-2)	Gross weight (4SPN14-2)	Net weight (4SPN14-2)
	in series	2.8KW	0.71m	1.05m*0.13m*0.15m	14.5KGS	11.4KGS
	Outlet size	Motor size	Pump length (4SPW14-2)	Volume (4SPW14-2)	Gross weight (4SPW14-2)	Net weight (4SPW14-2)
	2"	4"	0.46m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	14.7KGS	13.3KGS



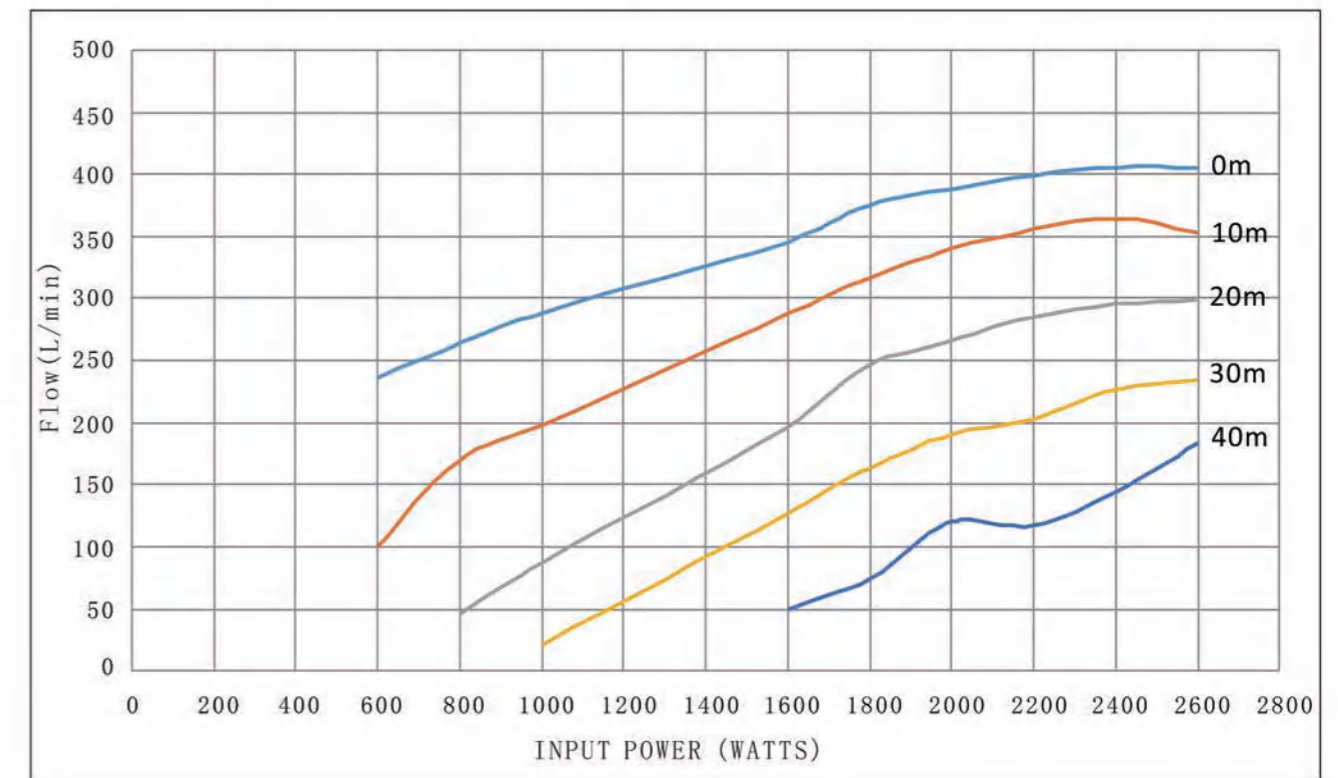
### 4SPW/N 14-3 MOTOR 2.5HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)									
	600	800	1000	1200	1600	1800	2000	2200	2400	2600
	FLOW RATE (LITERS MINUTE)									
0	264	297	322	344	382	399	414	430	442	455
5	198	238	272	301	347	365	384	400	417	428
10	112	172	215	255	308	322	348	366	382	397
15	58	104	154	191	256	283	305	326	342	364
20		43	95	140	196	233	255	282	302	319
25			45	77	153	174	205	228	254	274
30				32	100	126	157	188	196	198

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW14-3 or 4SPN14-3	455L/min	34m	280-380Vmp (VOCmax=440V)	500-3600	300W*9	4"
	PV Connection	Max input power	Pump length(4SPN14-3)	Volume(4SPN14-3)	Gross weight(4SPN14-3)	Net weight(4SPN14-3)
	in series	2.8KW	0.79m	1.05m*0.13m*0.15m	16.8KGS	13.2KGS
	Outlet size	Motor size	Pump length(4SPW14-3)	Volume(4SPW14-3)	Gross weight(4SPW14-3)	Net weight(4SPW14-3)
	2"	4"	0.54m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	16.9KGS	15.3KGS

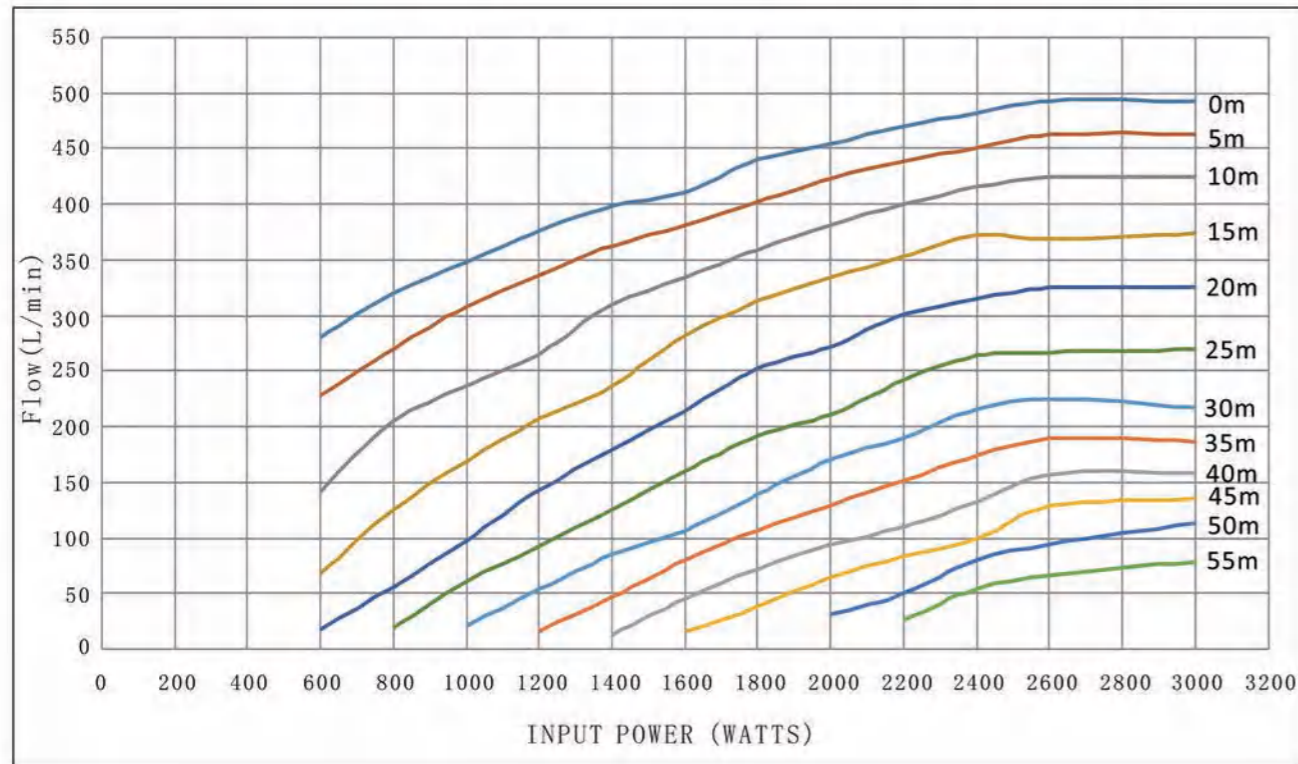
### 4SPW/N 14-4 MOTOR 3HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)									
	600	800	1000	1600	1800	2000	2200	2400	2600	
	FLOW RATE (LITERS MINUTE)									
0	236	264	289	346	376	388	399	406	405	
10	101	170	198	287	317	340	355	365	353	
20		46	87	196	246	266	285	295	299	
30			21	127	164	190	203	227	234	
40				50	74	120	117	144	183	

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
4SPW14-4 or 4SPN14-4	405L/min	48m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	4"
	PV Connection	Max input power	Pump length(4SPN14-4)	Volume(4SPN14-4)	Gross weight(4SPN14-4)	Net weight(4SPN14-4)
	in series	3KW	0.84m	1.05m*0.13m*0.15m	17.3KGS	13.7KGS
	Outlet size	Motor size	Pump length(4SPW14-4)	Volume(4SPW14-4)	Gross weight(4SPW14-4)	Net weight(4SPW14-4)
	2"	4"	0.6m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	17.4KGS	15.8KGS

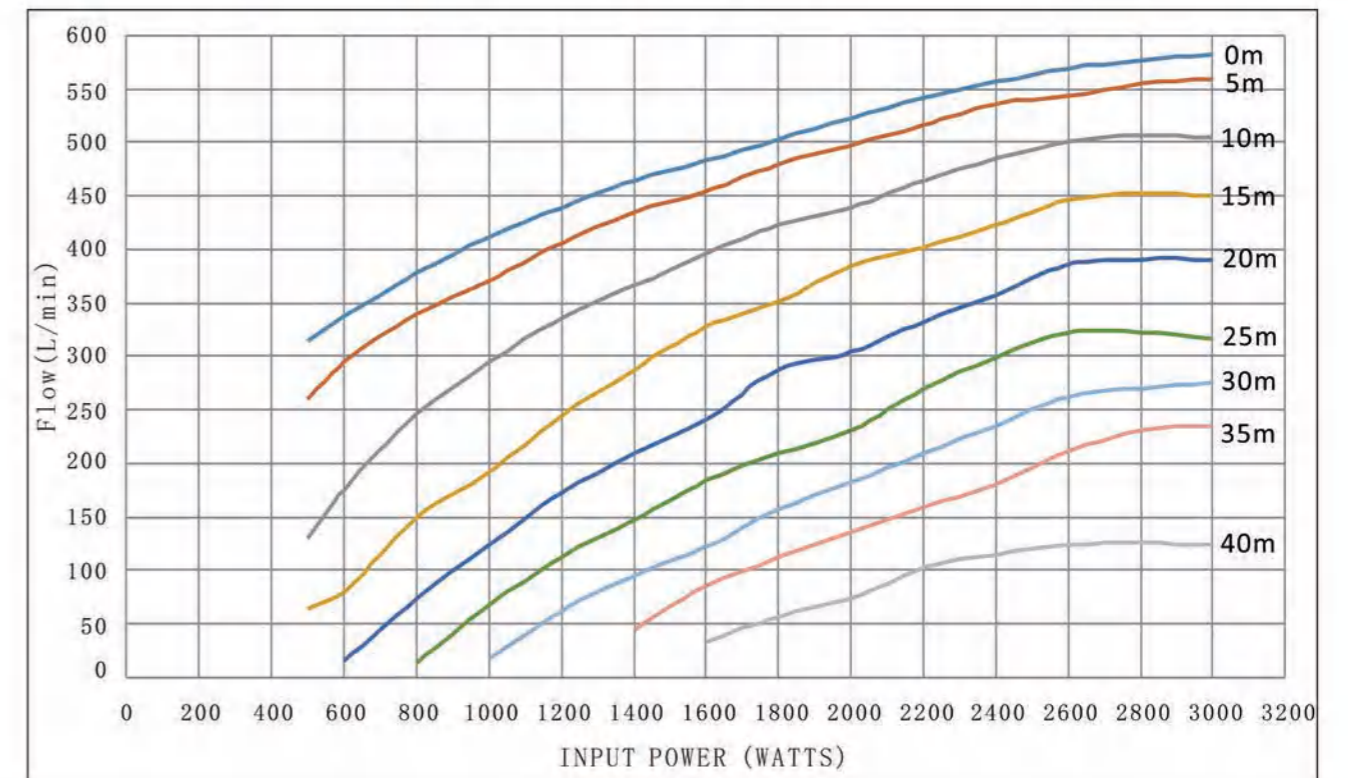
### 5SPW/N 10-3 MOTOR 3HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)											
	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	3000
0	281	320	348	377	398	411	440	455	470	482	493	493
5	229	271	308	336	363	381	402	424	439	451	463	463
10	141	205	237	265	311	334	359	381	400	415	424	425
15	68	125	169	207	237	282	313	334	353	372	369	374
20	18	56	98	143	179	215	252	272	301	315	325	325
25		19	61	93	126	160	192	211	242	264	267	270
30			21	53	85	107	139	170	190	216	225	217
35				17	47	80	107	130	152	174	190	187
40					13	46	72	94	110	133	157	159
45						15	38	65	83	100	129	135
50								31	50	80	94	113
55									26	55	67	79

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
5SPW10-3 or 5SPN10-3	493L/min	58m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	5"
	PV Connection	Max input power	Pump length (5SPN10-3)	Volume (5SPN10-3)	Gross weight (5SPN10-3)	Net weight (5SPN10-3)
	in series	3KW	0.86m	1.05m*0.13m*0.15m	19.2KGS	15.6KGS
	Outlet size	Motor size	Pump length (5SPW10-3)	Volume (5SPW10-3)	Gross weight (5SPW10-3)	Net weight (5SPW10-3)
	2.5"	4"	0.61m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	19.3KGS	17.7KGS

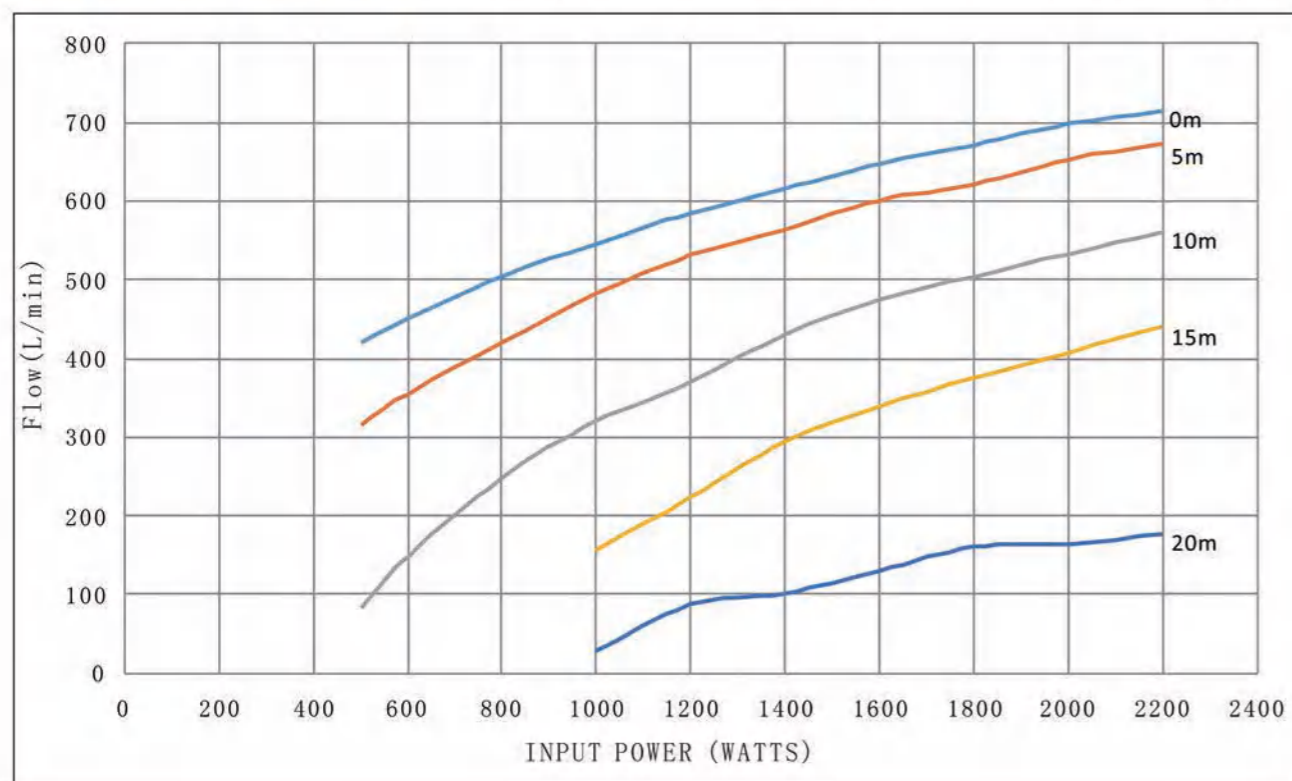
### 5SPW/N 15-2 MOTOR 3HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)													
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
0	314	337	377	411	439	464	483	503	523	541	556	569	576	583
5	261	294	339	371	406	434	454	479	498	516	536	543	554	559
10	130	175	245	294	336	366	396	423	439	464	484	501	506	504
15	63	80	149	192	244	287	327	351	384	402	423	446	453	449
20		15	73	124	172	209	240	287	304	332	357	386	391	391
25			14	67	112	147	184	209	230	269	299	322	322	316
30				16	62	95	122	157	182	209	235	262	271	276
35						45	85	112	135	159	180	210	230	235
40							33	57	73	102	115	124	125	124

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
5SPW15-2 or 5SPN15-2	583L/min	42m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	5"
	PV Connection	Max input power	Pump length (5SPN15-2)	Volume (5SPN15-2)	Gross weight (5SPN15-2)	Net weight (5SPN15-2)
	in series	3KW	0.82m	1.05m*0.13m*0.15m	18.3KGS	14.7KGS
	Outlet size	Motor size	Pump length (5SPW15-2)	Volume (5SPW15-2)	Gross weight (5SPW15-2)	Net weight (5SPW15-2)
	2.5"	4"	0.57m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	18.4KGS	16.8KGS

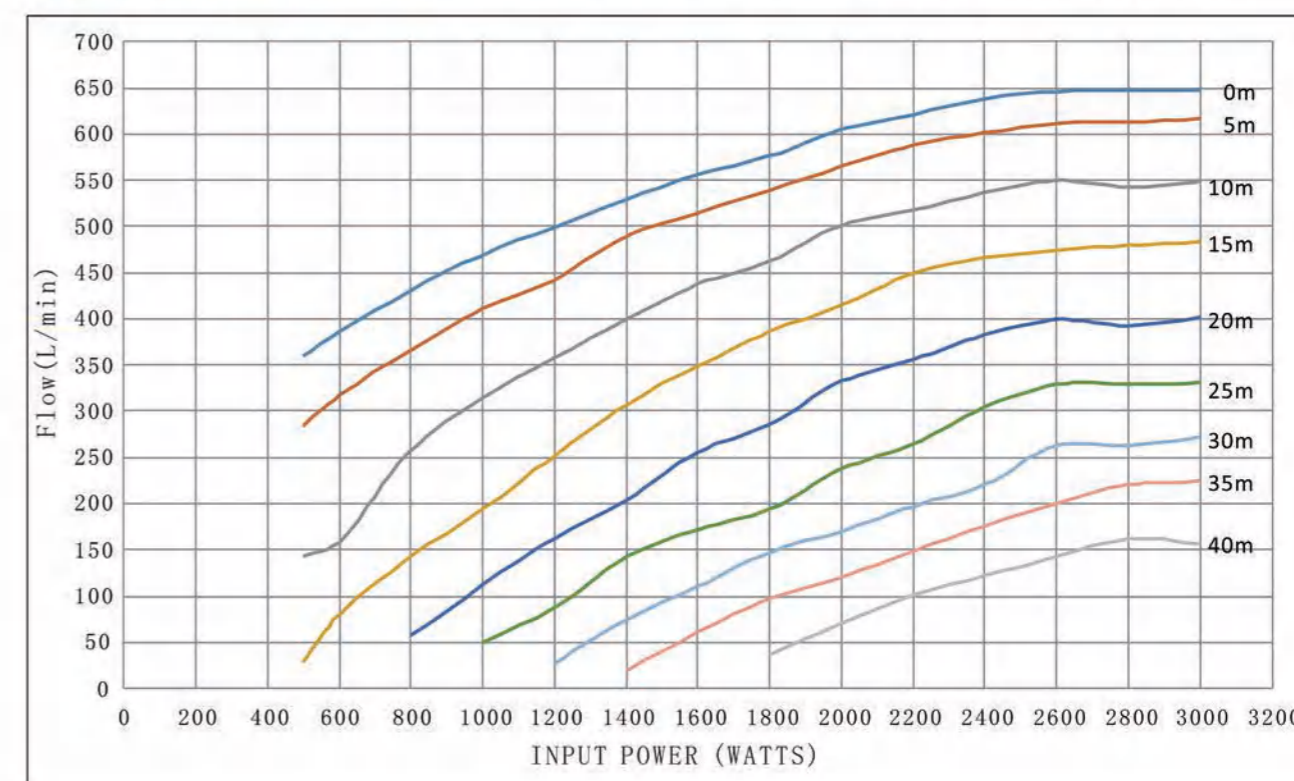
### 5SPW/N 20-1 MOTOR 2.5HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
0	421	451	504	546	585	616	648	671	698	715
5	316	356	419	483	531	564	601	621	653	673
10	82	149	247	321	369	431	474	504	533	561
15				157	224	294	339	376	407	441
20				27	87	102	130	160	164	177

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
5SPW20-1 or 5SPN20-1	715L/min	21m	280-380Vmp (VOCmax=440V)	500-3600	300W*9	5"
	PV Connection	Max input power	Pump length(5SPN20-1)	Volume(5SPN20-1)	Gross weight(5SPN20-1)	Net weight(5SPN20-1)
	in series	2.6KW	0.77m	0.8m*0.13m*0.15m	17KGS	13.9KGS
	Outlet size	Motor size	Pump length(5SPW20-1)	Volume(5SPW20-1)	Gross weight(5SPW20-1)	Net weight(5SPW20-1)
	2.5"	4"	0.52m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	17.3KGS	16KGS

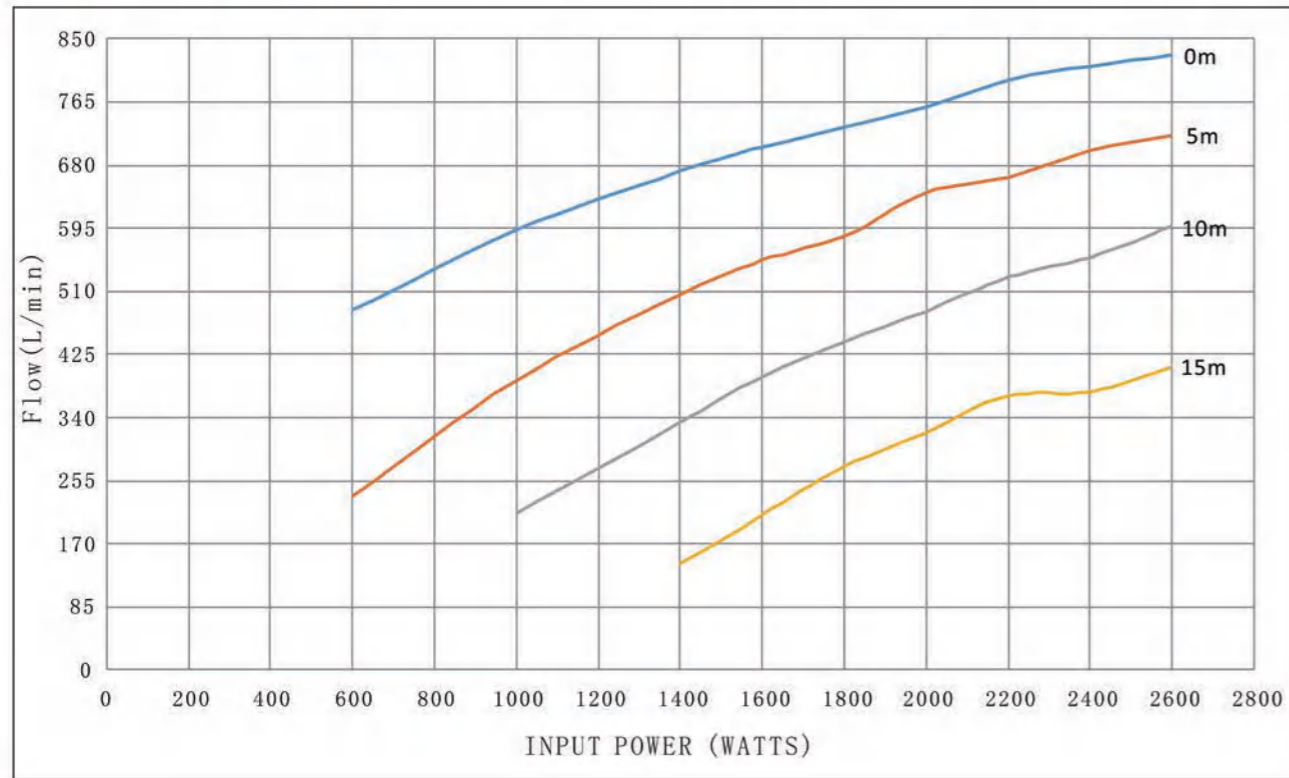
### 5SPW/N 20-2 MOTOR 3HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)														
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	
0	359	386	431	469	499	529	556	576	605	621	638	646	648	648	
5	284	317	366	411	443	489	514	539	564	588	601	611	613	616	
10	142	159	257	314	357	399	438	463	501	518	536	549	543	548	
15	29	80	142	194	252	307	349	386	414	449	466	474	479	483	
20			57	112	162	204	256	286	332	356	382	399	392	401	
25				50	87	142	172	194	237	264	304	329	329	331	
30					27	75	110	147	170	197	220	262	262	272	
35						20	60	97	120	149	175	200	220	224	
40								37	70	100	122	142	162	157	

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
5SPW20-2 or 5SPN20-2	648L/min	42m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	5"
	PV Connection	Max input power	Pump length(5SPN20-2)	Volume(5SPN20-2)	Gross weight(5SPN20-2)	Net weight(5SPN20-2)
	in series	3KW	0.82m	1.05m*0.13m*0.15m	18.3KGS	14.7KGS
	Outlet size	Motor size	Pump length(5SPW20-2)	Volume(5SPW20-2)	Gross weight(5SPW20-2)	Net weight(5SPW20-2)
	2.5"	4"	0.57m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	18.4KGS	16.8KGS

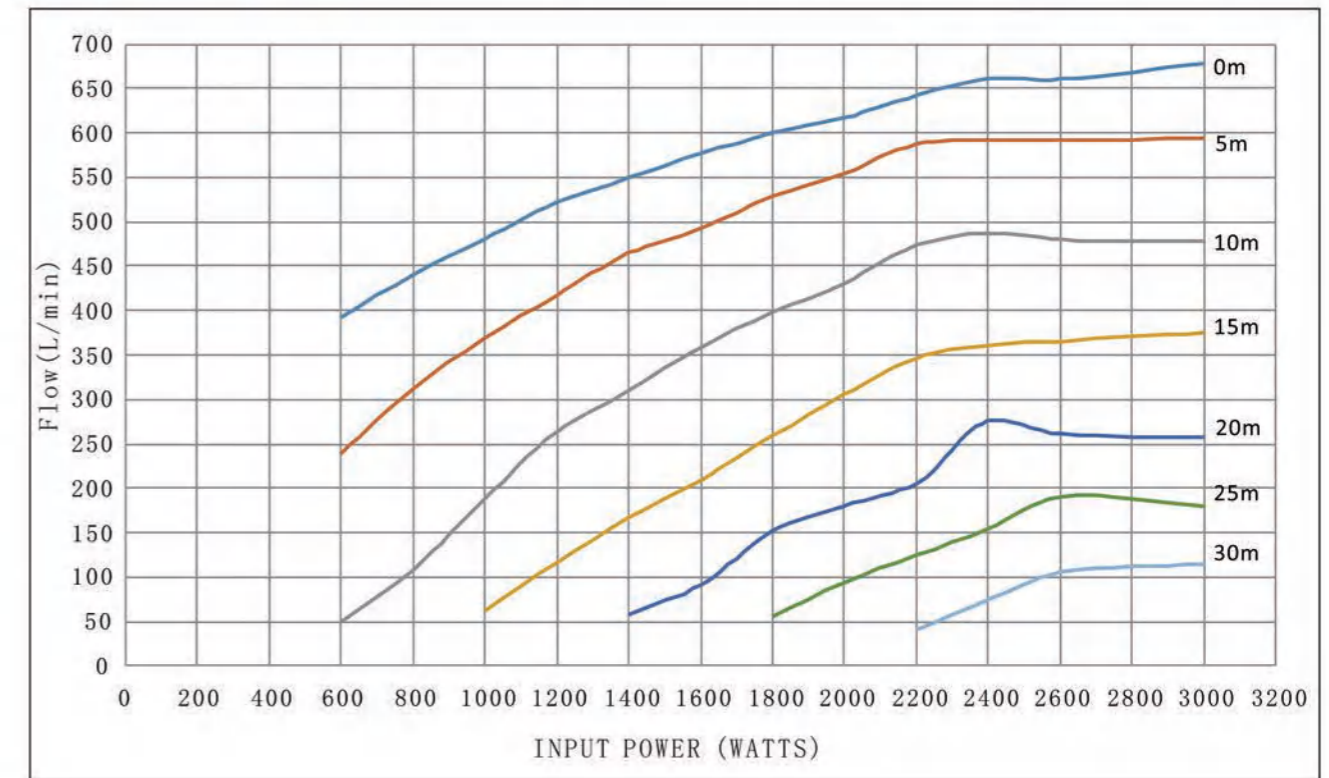
### 5SPW/N 25-1 MOTOR 2.5HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)								
	600	1000	1400	1600	1800	2000	2200	2400	2600
0	484	592	672	704	730	759	794	813	827
5	233	391	505	552	584	644	664	699	721
10		210	334	395	442	483	529	556	598
15			143	209	274	320	369	375	407

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
5SPW25-1 or 5SPN25-1	661L/min	18m	280-380Vmp (VOCmax=440V)	500-3600	300W*9	5"
	PV Connection	Max input power	Pump length(5SPN25-1)	Volume(5SPN25-1)	Gross weight(5SPN25-1)	Net weight(5SPN25-1)
	in series	2.6KW	0.78m	0.8m*0.13m*0.15m	16.9KGS	13.8KGS
	Outlet size	Motor size	Pump length(5SPW25-1)	Volume(5SPW25-1)	Gross weight(5SPW25-1)	Net weight(5SPW25-1)
	2.5"	4"	0.53m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	17.3KGS	15.9KGS

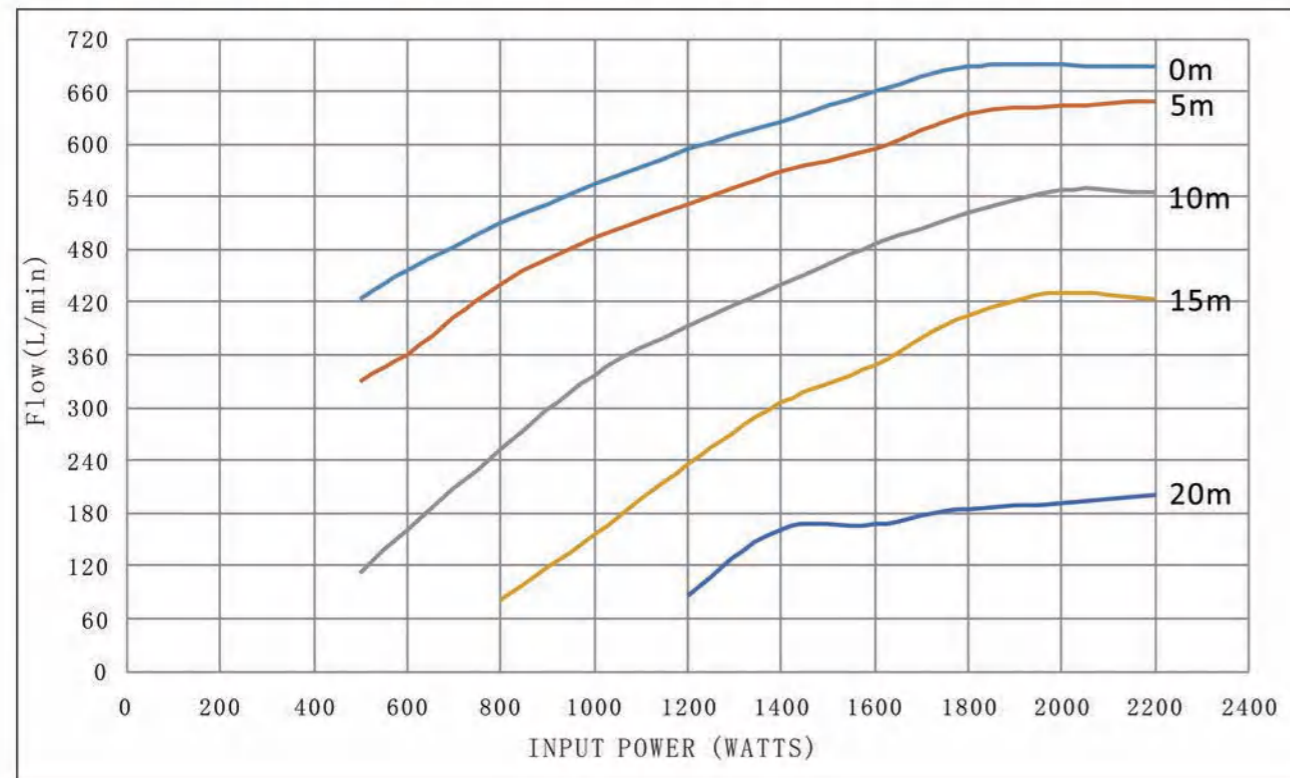
### 5SPW/N 25-2 MOTOR 3HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)											
	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	3000
0	391	441	480	522	549	577	600	617	642	661	660	678
5	239	312	369	418	465	493	529	555	587	592	592	594
10	50	109	188	264	310	359	397	431	473	487	480	477
15			63	117	167	210	259	306	346	361	366	375
20					58	91	152	181	206	276	261	258
25							55	94	124	155	190	180
30									41	75	105	115

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
5SPW25-2 or 5SPN25-2	660L/min	38m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	5"
	PV Connection	Max input power	Pump length(5SPN25-2)	Volume(5SPN25-2)	Gross weight(5SPN25-2)	Net weight(5SPN25-2)
	in series	3KW	0.81m	1.05m*0.13m*0.15m	18.3KGS	14.7KGS
	Outlet size	Motor size	Pump length(5SPW25-2)	Volume(5SPW25-2)	Gross weight(5SPW25-2)	Net weight(5SPW25-2)
	2.5"	4"	0.56m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	18.4KGS	16.8KGS

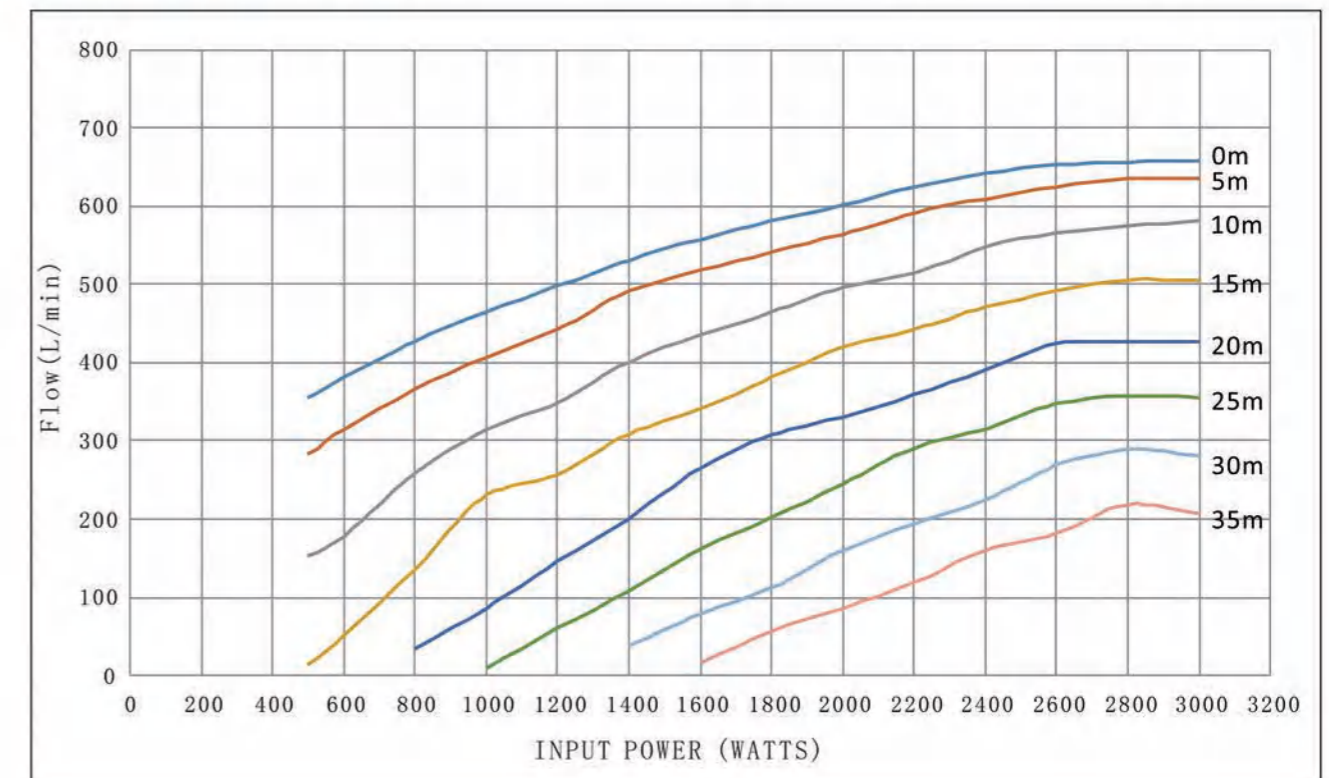
### 6SPW/N 17-1 MOTOR 2HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
0	424	456	509	554	594	626	660	688	690	688
5	331	361	441	493	531	568	595	635	643	650
10	112	162	252	337	392	441	486	521	548	544
15			80	155	235	306	349	406	431	423
20				87	162	167	185	190	200	

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
6SPW17-1 or 6SPN17-1	625L/min	39m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	6"
	PV Connection	Max input power	Pump length (6SPN17-1)	Volume (6SPN17-1)	Gross weight (6SPN17-1)	Net weight (6SPN17-1)
	in series	2.2KW	0.76m	0.8m*0.13m*0.15m	16.1KGS	13KGS
	Outlet size	Motor size	Pump length (6SPW17-1)	Volume (6SPW17-1)	Gross weight (6SPW17-1)	Net weight (6SPW17-1)
	3"	4"	0.51m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	16.3KGS	14.9KGS

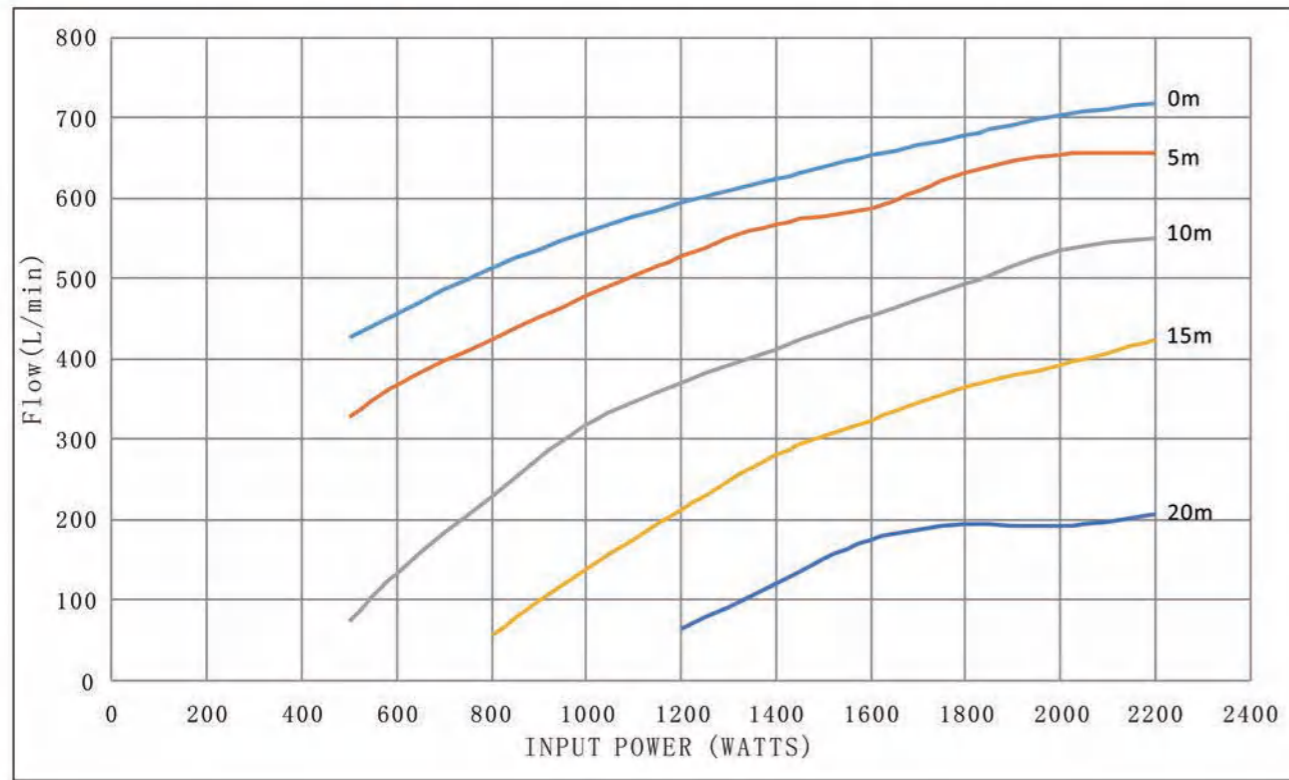
### 6SPW/N 17-2 MOTOR 3HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)														
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	
0	356	381	428	464	498	531	558	581	601	625	641	653	656	658	
5	282	316	366	407	443	491	518	541	564	591	610	625	635	635	
10	152	179	259	314	349	401	436	464	496	514	548	566	574	581	
15	14	52	135	230	257	309	341	381	419	443	471	491	506	504	
20			35	87	145	200	266	307	331	359	391	424	428	428	
25				9	60	109	162	202	245	291	316	347	357	356	
30						38	78	112	160	194	224	269	289	281	
35							16	57	87	119	160	182	219	207	

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
6SPW17-2 or 6SPN17-2	688L/min	39m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	6"
	PV Connection	Max input power	Pump length (6SPN17-2)	Volume (6SPN17-2)	Gross weight (6SPN17-2)	Net weight (6SPN17-2)
	in series	3KW	0.84m	1.05m*0.13m*0.15m	18.9KGS	15.3KGS
	Outlet size	Motor size	Pump length (6SPW17-2)	Volume (6SPW17-2)	Gross weight (6SPW17-2)	Net weight (6SPW17-2)
	3"	4"	0.59m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	19KGS	17.4KGS

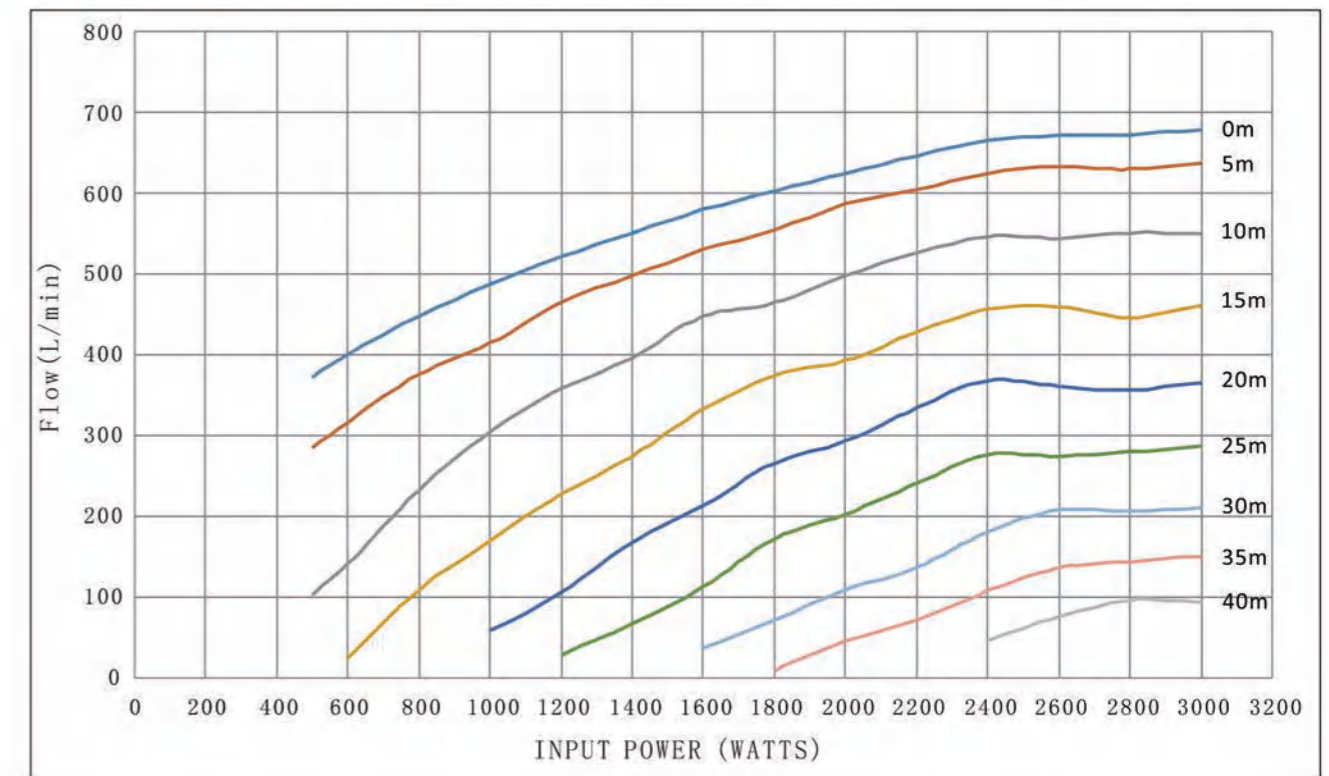
### 6SPW/N 20-1 MOTOR 2HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)									
	500	600	800	1000	1200	1400	1600	1800	2000	2200
0	428	458	513	558	595	623	653	678	703	718
5	327	367	424	478	528	568	588	631	655	656
10	73	134	229	317	371	412	454	493	534	551
15			57	139	212	281	324	366	392	424
20				63	120	175	194	192	192	207

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
6SPW20-1 or 6SPN20-1	718L/min	22m	180-280Vmp (VOCmax=360V)	500-3600	300W*7	6"
	PV Connection	Max input power	Pump length(6SPN20-1)	Volume (6SPN20-1)	Gross weight (6SPN20-1)	Net weight (6SPN20-1)
	in series	2.2KW	0.76m	0.8m*0.13m*0.15m	16.2KGS	13.1KGS
	Outlet size	Motor size	Pump length(6SPW20-1)	Volume (6SPW20-1)	Gross weight (6SPW20-1)	Net weight (6SPW20-1)
	3"	4"	0.51m	0.11m*0.11m*0.67m 0.35m*0.26m*0.21m	16.4KGS	15KGS

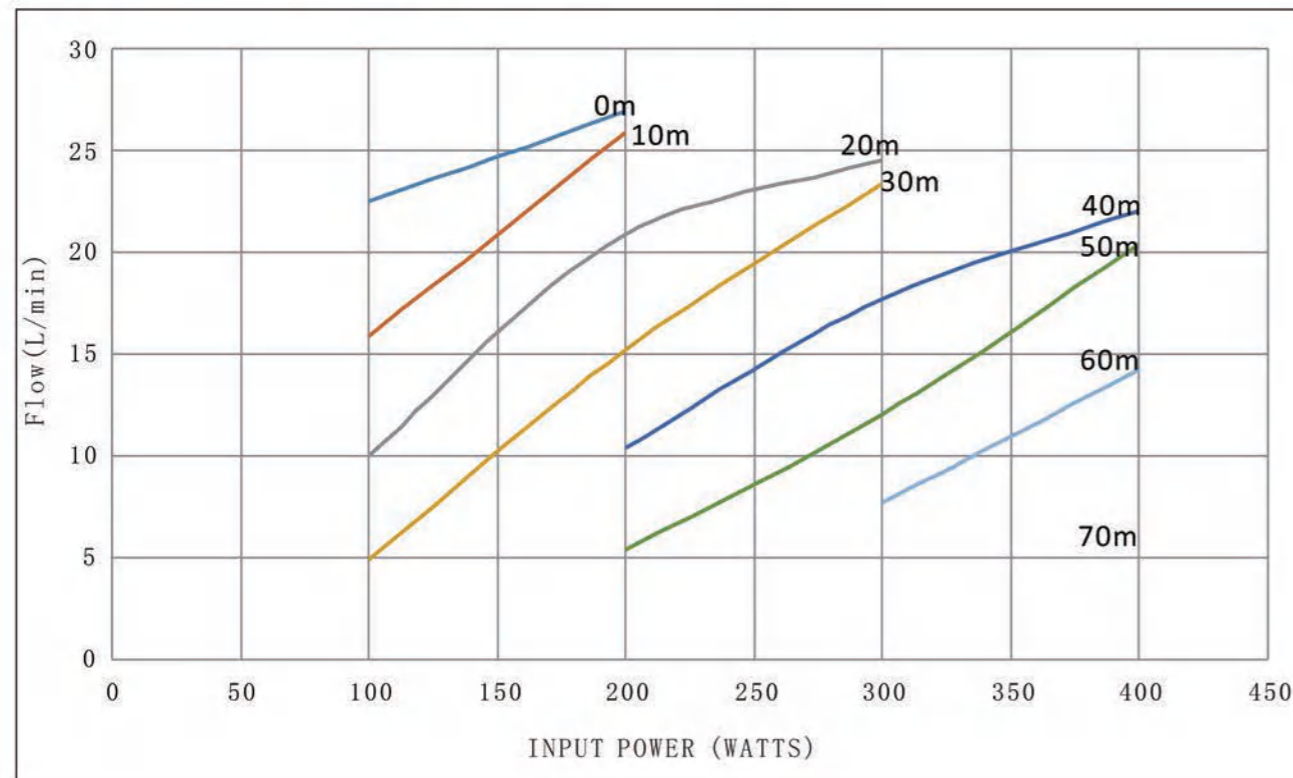
### 6SPW/N 20-2 MOTOR 3HP Centrifugal pump (Stainless steel impeller)



HEAD (m)	INPUT POWER (WATTS)													
	500	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
0	372	401	448	488	521	551	579	603	625	646	665	671	673	678
5	284	316	376	414	464	498	529	554	586	605	625	633	630	638
10	102	140	232	304	357	396	448	464	498	526	546	544	551	549
15		22	109	169	227	274	332	374	392	428	456	459	446	461
20				57	105	167	212	266	292	334	367	361	356	366
25					28	67	112	172	202	240	276	274	279	286
30							35	70	109	135	180	207	205	210
35								9	45	70	107	135	144	150
40											45	75	95	94

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter
6SPW20-2 or 6SPN20-2	678L/min	44m	280-380Vmp (VOCmax=440V)	500-3600	300W*10	6"
	PV Connection	Max input power	Pump length(6SPN20-2)	Volume (6SPN20-2)	Gross weight (6SPN20-2)	Net weight (6SPN20-2)
	in series	3KW	0.84m	1.05m*0.13m*0.15m	18.8KGS	15.2KGS
	Outlet size	Motor size	Pump length(6SPW20-2)	Volume (6SPW20-2)	Gross weight (6SPW20-2)	Net weight (6SPW20-2)
	3"	4"	0.59m	0.11m*0.11m*0.86m 0.35m*0.26m*0.21m	18.9KGS	17.3KGS

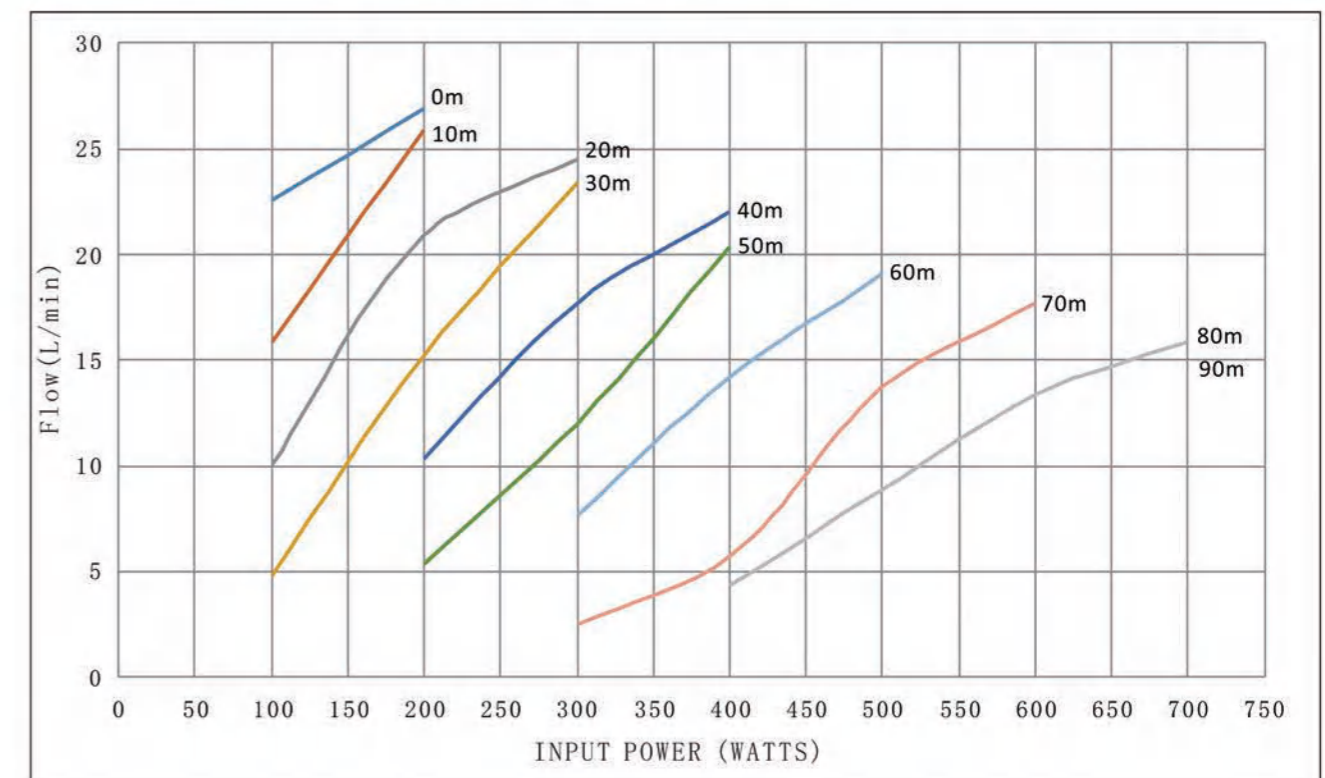
### 3SPWF1.5-60 MOTOR 0.3HP Helical pump



HEAD (m)	INPUT POWER (WATTS)			
	100	200	300	400
	FLOW RATE (LITERS MINUTE)			
0	23	27	27	27
10	16	26	26	26
20	10	21	25	25
30	5	15	23	23
40		10	18	22
50		5	12	20
60			8	14

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter	Outlet size
3SPWF1.5-60	27L/min	60m	20-40Vmp (VOCmax=48V)	1000-4000	300W*1	3"	0.75"
	PV Connection	Max input power	Pump length	Volume	Gross weight	Net weight	Motor size
	in series	0.3KW	0.4m	0.61m*0.36m*0.16m	10.4KGS	8.4KGS	3"

### 3SPWF1.5-80 MOTOR 0.5HP Helical pump

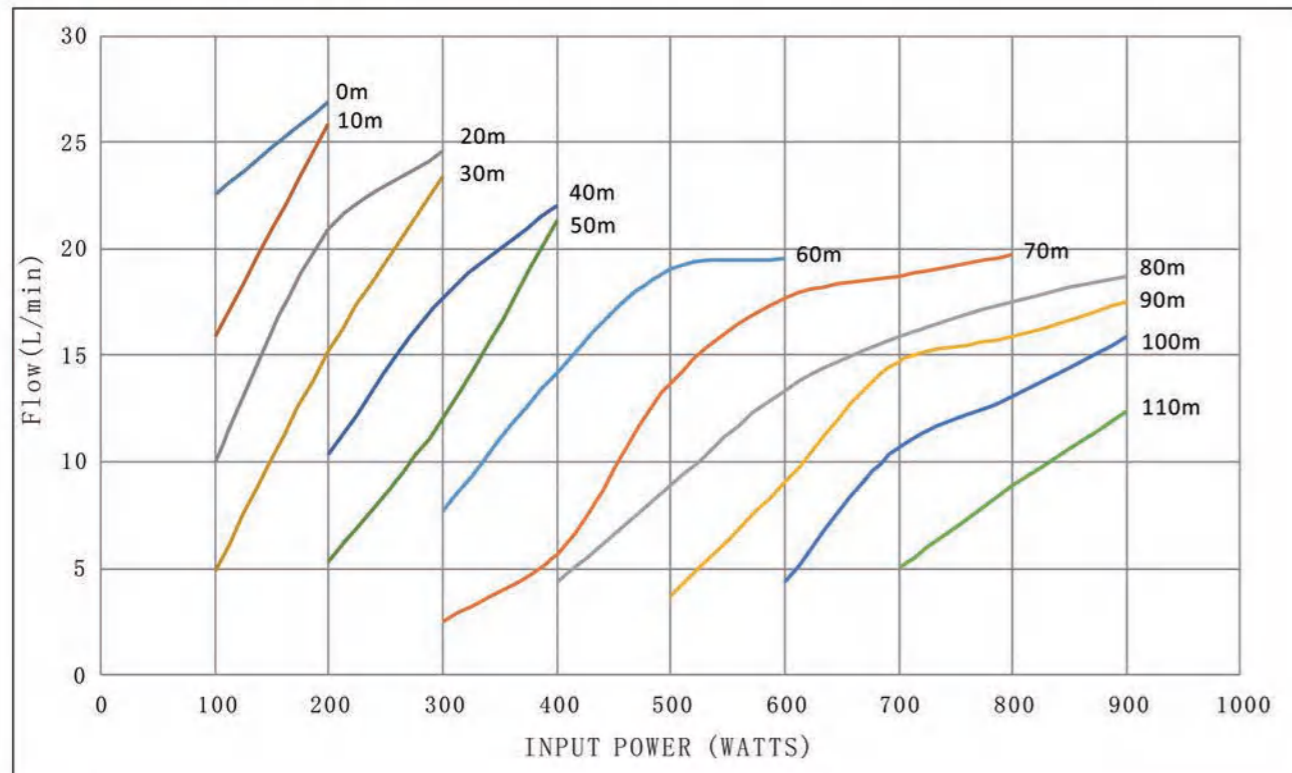


HEAD (m)	INPUT POWER (WATTS)						
	100	200	300	400	500	600	700
	FLOW RATE (LITERS MINUTE)						
0	23	27	27	27	27	27	27
10	16	26	26	26	26	26	26
20	10	21	25	25	25	25	25
30	5	15	23	23	23	23	23
40		10	18	22	22	22	22
50		5	12	20	20	20	21
60			8	14	19	19	19
70			3	6	14	18	18
80				4	9	13	16

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter	Outlet size
3SPWF1.5-80	27L/min	80m	40-76Vmp (VOCmax=96V)	1000-4000	300W*2	3"	0.75"
	PV Connection	Max input power	Pump length	Volume	Gross weight	Net weight	Motor size
	in series	0.6KW	0.4m	0.61m*0.36m*0.16m	10.4KGS	8.4KGS	3"

### 3SPFWF-110

MOTOR 0.75HP Helical pump

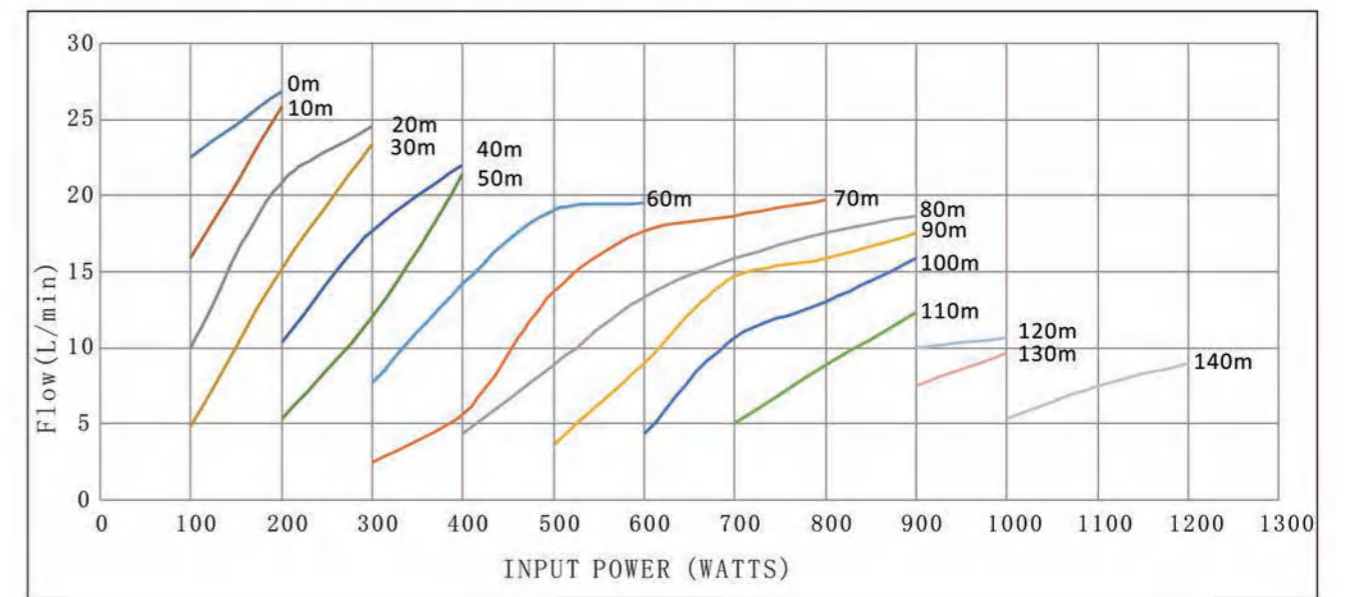


HEAD (m)	INPUT POWER (WATTS)								
	100	200	300	400	500	600	700	800	900
	FLOW RATE (LITERS MINUTE)								
0	23	27	27	27	27	27	27	27	27
10	16	26	26	26	26	26	26	26	26
20	10	21	25	25	25	25	25	25	25
30	5	15	23	23	23	23	23	23	23
40		10	18	22	22	22	22	22	22
50		5	12	21	21	21	21	21	21
60			8	14	19	20	20	20	20
70			3	6	14	18	19	20	20
80				4	9	13	16	18	19
90					4	9	15	16	18
100						4	11	13	16
110							5	9	12

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter	Outlet size
3SPFW1.5-110	27L/min	110m	65-110Vmp (VOCmax=150V)	1000-4000	300W*3	3"	0.75"
	PV Connection	Max input power	Pump length	Volume	Gross weight	Net weight	Motor size
	in series	0.9KW	0.4m	0.61m*0.36m*0.16m	10.4KGS	8.4KGS	3"

### 3SPWF1.5-140

MOTOR 1HP Helical pump

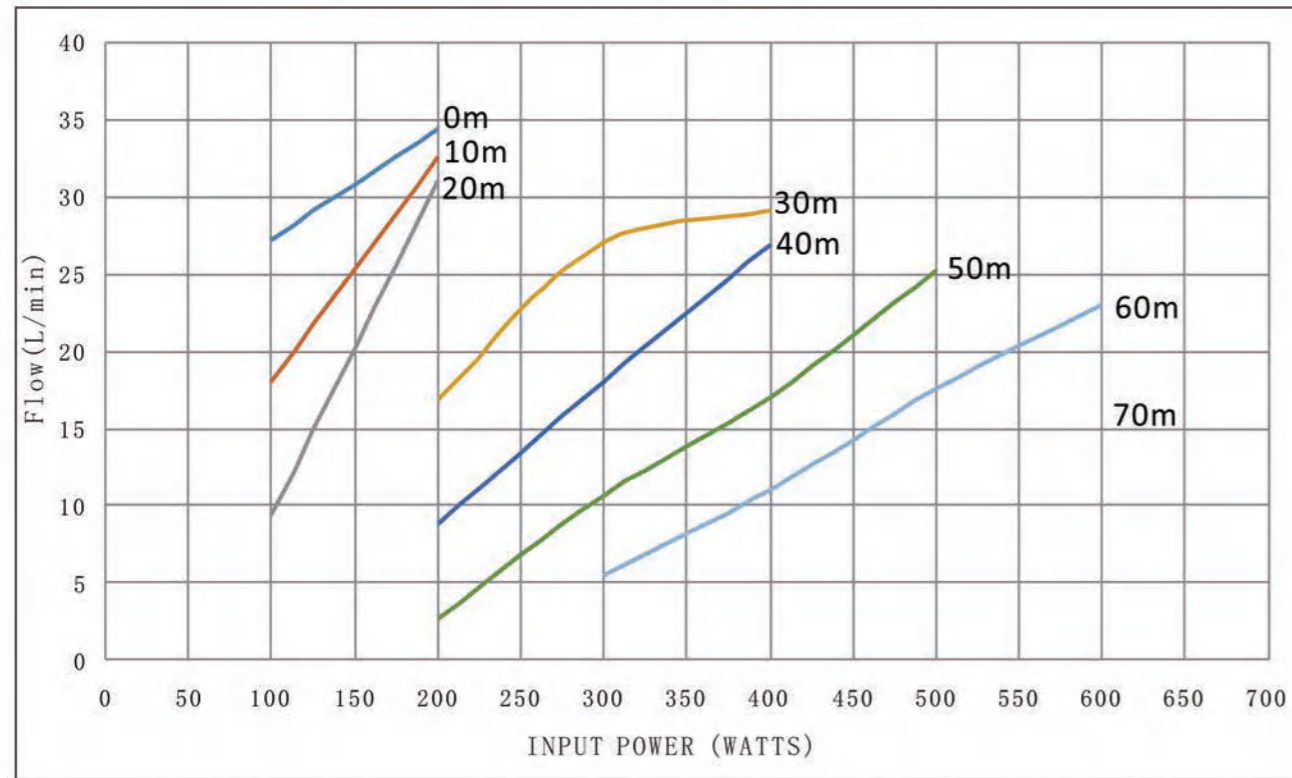


HEAD (m)	INPUT POWER (WATTS)											
	100	200	300	400	500	600	700	800	900	1000	1100	1200
	FLOW RATE (LITERS MINUTE)											
0	23	27	27	27	27	27	27	27	27	27	27	27
10	16	26	26	26	26	26	26	26	26	26	26	26
20	10	21	25	25	25	25	25	25	25	25	25	25
30	5	15	23	23	23	23	23	23	23	23	23	23
40		10	18	22	22	22	22	22	22	22	22	22
50		5	12	21	21	21	21	21	21	21	21	21
60			8	14	19	20	20	20	20	20	20	20
70			3	6	14	18	19	20	20	20	20	20
80				4	9	13	16	18	19	19	19	19
90					4	9	15	16	18	18	18	18
100						4	11	13	16	16	16	16
110							5	9	12	12	12	12
120								10	11	11	11	11
130									8	10	10	10
140										5	8	9

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter	Outlet size
3SPFW1.5-140	27L/min	140m	80-150Vmp (VOCmax=180V)	1000-4000	300W*4	3"	0.75"
	PV Connection	Max input power	Pump length	Volume	Gross weight	Net weight	Motor size
	in series	1.2KW	0.4m	0.61m*0.36m*0.16m	10.4KGS	8.4KGS	3"



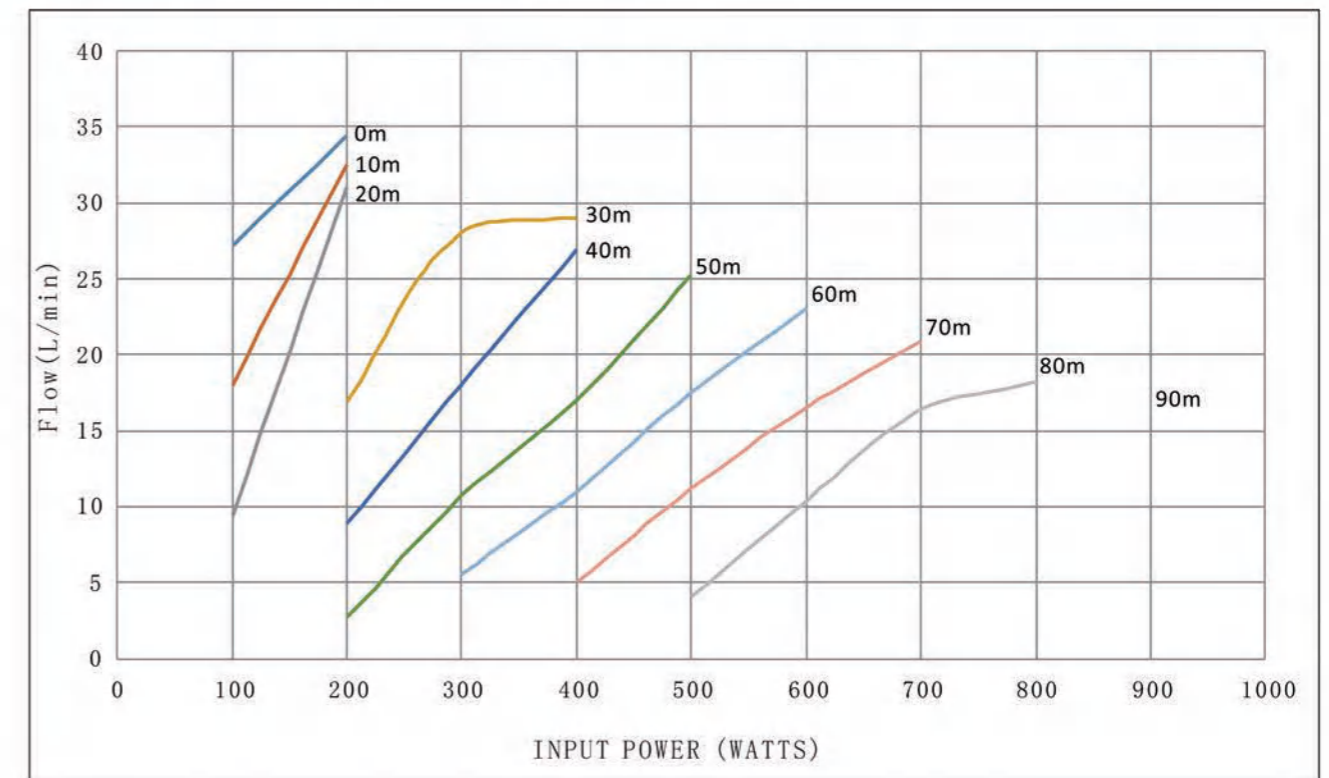
### 3SPWF2-60 MOTOR 0.5HP Helical pump



HEAD (m)	INPUT POWER (WATTS)					
	100	200	300	400	500	600
	FLOW RATE (LITERS MINUTE)					
0	27	34	34	34	34	34
10	18	33	33	33	33	33
20	9	31	31	31	31	31
30		17	27	29	29	29
40		9	18	27	27	27
50		3	11	17	25	25
60			6	11	18	23

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter	Outlet size
3SPWF2-60	34L/min	60m	40-76Vmp (VOCmax=96V)	1000-4000	300W*2	3"	0.75"
	PV Connection	Max input power	Pump length	Volume	Gross weight	Net weight	Motor size
	in series	0.6KW	0.4m	0.61m*0.36m*0.16m	10.4KGS	8.4KGS	3"

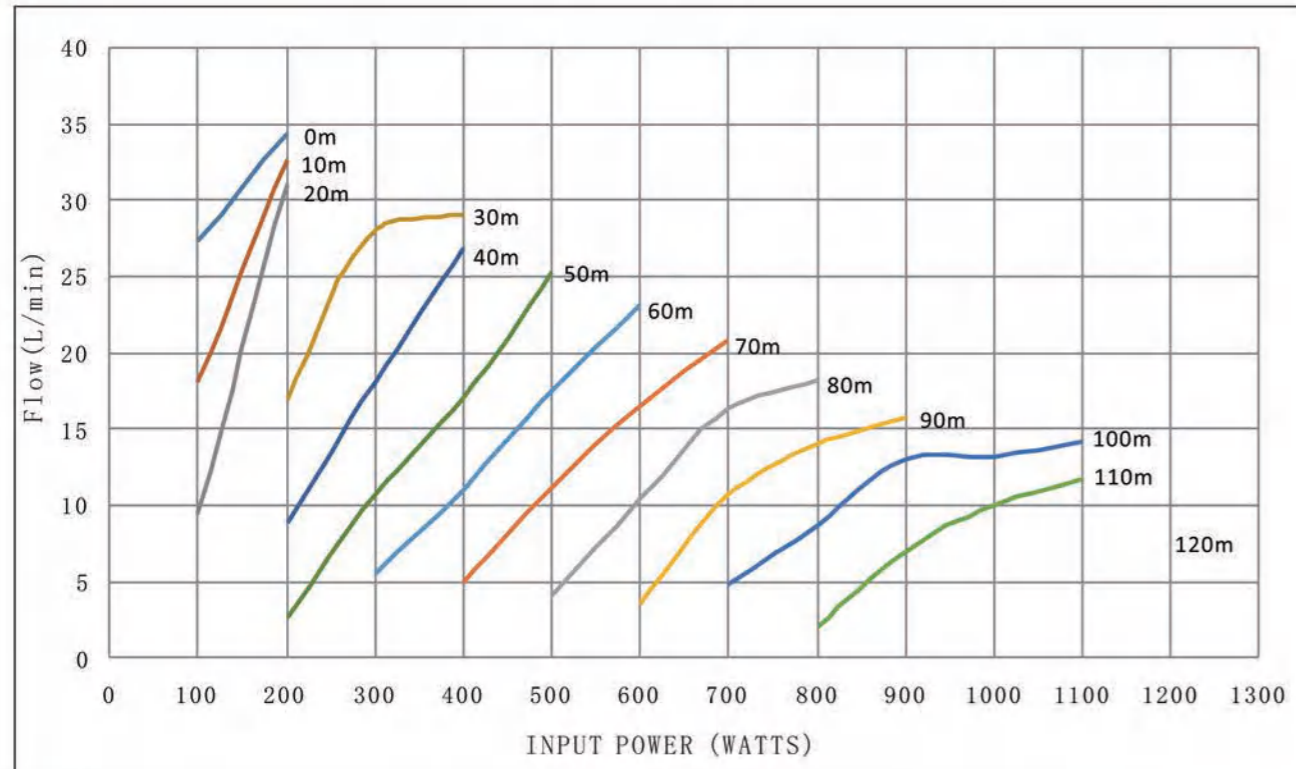
### 3SPWF2-80 MOTOR 0.75HP Helical pump



HEAD (m)	INPUT POWER (WATTS)								
	100	200	300	400	500	600	700	800	900
	FLOW RATE (LITERS MINUTE)								
0	27	34	34	34	34	34	34	34	34
10	18	33	33	33	33	33	33	33	33
20	9	31	31	31	31	31	31	31	31
30		17	28	29	29	29	29	29	29
40		9	18	27	27	27	27	27	27
50		3	11	17	25	25	25	25	25
60			6	11	18	23	23	23	23
70				5	11	17	21	21	21
80					4	10	16	18	18

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter	Outlet size
3SPWF2-80	34L/min	80m	65-110Vmp (VOCmax=150V)	1000-4000	300W*3	3"	0.75"
	PV Connection	Max input power	Pump length	Volume	Gross weight	Net weight	Motor size
	in series	0.9KW	0.4m	0.61m*0.36m*0.16m	10.4KGS	8.4KGS	3"

### 3SPWF2-110 MOTOR 1HP Helical pump



HEAD (m)	INPUT POWER (WATTS)											
	100	200	300	400	500	600	700	800	900	1000	1100	1200
0	27	34	34	34	34	34	34	34	34	34	34	34
10	18	33	33	33	33	33	33	33	33	33	33	33
20	9	31	31	31	31	31	31	31	31	31	31	31
30		17	28	29	29	29	29	29	29	29	29	29
40		9	18	27	27	27	27	27	27	27	27	27
50		3	11	17	25	25	25	25	25	25	25	25
60			6	11	18	23	23	23	23	23	23	23
70				5	11	17	21	21	21	21	21	21
80					4	10	16	18	18	18	19	19
90						4	11	14	16	16	18	18
100							5	9	13	13	14	14
110								2	7	10	12	12

Model	Flow max	Head max	DC voltages range	Motor speed	PV	Pump diameter	Outlet size
3SPWF2-110	34L/min	110m	80-150Vmp (VOCmax=180V)	1000-4000	300W*4	3"	0.75"
	PV Connection	Max input power	Pump length	Volume	Gross weight	Net weight	Motor size
	in series	1.2KW	0.4m	0.61m*0.36m*0.16m	10.4KGS	8.4KGS	3"



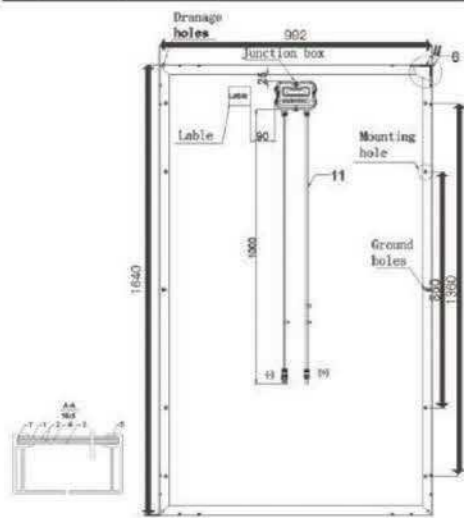
Item	FS-250P-Aa	FS-270P-Aa	FS-300P-Ab	FS-330P-Ab
Max.Power(Pmax)	250W	270W	300W	330W
Opt. Operating Current(Imp)	8.28A	8.61A	8.37A	8.74A
Opt. Operating Voltage(Vmp)	30.80V	31.43V	37.04V	37.76V
Short Circuit Current(Isc)	8.86A	9.14A	8.96A	9.14A
Open Circuit Voltage(Voc)	37.69V	38.28V	45.89V	46.90V
Module Efficiency	15.70%	16.60%	16.00%	17.00%
Module Power Tolerance	0/+3%			
Operating Temperature	-40°C~+85°C			
Max. System Voltage	1000V/1500V DC(IEC)			
Max. Nominal Fuse Current	15A			
Application Level	A			
STC	Irradiance 1000W/m <sup>2</sup> , Module temperature 25°C, AM1.5			
NOCT	Irradiance 800W/m <sup>2</sup> , Module temperature 20°C, AM1.5, Wind speed 1m/s			

Temperature characteristics		Packaging specification	
Nominal Operating Cell Temperature	45 ± 2°C	Container	20" GP      40" HC
Temperature Coefficient(Pmax)	-0.410%/°C	Module quantity per pallet	26            26
Temperature Coefficient(Voc)	-0.340%/°C	Pallet quantity per container	12            28
Temperature Coefficient(Isc)	+0.049%/°C	Module quantity per container	312          728

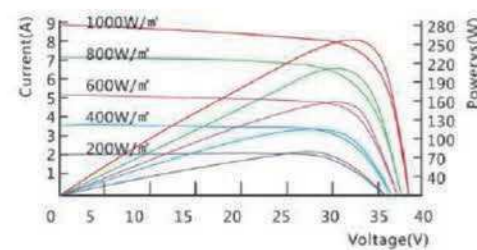
Mechanical Data	FS-250P/270P-Aa	FS-300P/330P-Ab
CELL TYPE	156.75x156.75mm Polycrystalline	156.75x156.75mm Polycrystalline
Cell Arrangement	60 (6 × 10)	72 (6 × 12)
Dimensions	1640 × 992 × 35mm	1956 × 992 × 40mm
Weight	18kg	28kg
Front Cover	3.2mm tempered glass	4.0mm tempered glass
Frame Material	Anodized aluminium alloy	Anodized aluminium alloy
J- Box	IP67.3 diodes	IP67.3 diodes
Cable	TUV(2Pfg1169:2007) 4.0mm <sup>2</sup> (0.006inches <sup>2</sup> ),(-)1000mm(39.4inches)and(+1000mm(39.4 inches)	TUV(2Pfg1169:2007) 4.0mm <sup>2</sup> (0.006inches <sup>2</sup> ),(-)1100mm(43.3inches)and(+1100mm(43.3 inches)
Connector	MC4	MC4

**Performance under low irradiation**  
Industry-leading performance under low irradiance conditions. The module efficiency of irradiance 200W/M2 is above 96.5% of the irradiance 1000W/M2 module efficiency

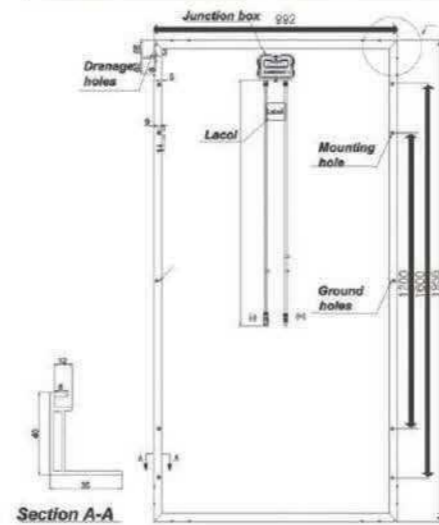
**Engineering Drawing** FS-250P/270P-Aa



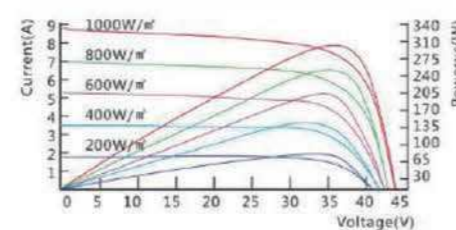
**I-V Curves Of PV Module**



**Engineering Drawing** FS-300P/330P-Ab



**I-V Curves Of PV Module**



# ALL-IN-DC PUMPING KIT

## YTSDC-4MHR-2.3-132-48/600 Solar DC Pump (Permanent Magnet)



### Performance

MAX Head : 132 m  
MAX Water Flow/ hour : 2.3m<sup>3</sup>/h



### Technical Data

Pump Specifications	Screw Pump 48V
Pump Outlet Dia.	25mm G 1"
Adapting Well Dia.	100 mm
Solar Pumping Controller Model	YTSDC750
Controlller Power	750 W
Max. DC Input Voltage	100 V
Recommended MPPT Voltage	>48V
Controller Ambient Temperature	-20 ~ 60 °C
Pump Model	4MHR-2.3-132-48/600
Motor Power	600W
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C

Solar Pump Net Weight	14 kgs	Pump Impeller Material	POM
Solar Pump Gross Weight	15 kgs	Pump Body Material	AISI 304
Solar Pump Volume	0.03m <sup>3</sup>	Controller Enclosure Material	Stainless Steel

### Dimension, Weight and Material

#### Warranty

Controller 2 years  
Pump 2 year

#### Standards

EN 61000-6-2:2005  
EN 61000-6-4:2007+A1:2011  
EN 61000-3-2:2014  
EN 61000-3-3:2013

\*All specifications and information are provided with good intent, products may be subject to change without notice.

### Dimension, Weight and Material

#### Controller

Width = 250 mm  
Height = 360 mm  
Depth = 200 mm



#### Pump

Length = 760 mm  
Diameter = 4"  
Outlet= 1"



## YTSDC-4MHR-2.7-170-110/750 Solar DC Pump (Permanent Magnet)



### Performance

MAX Head : 170 m  
MAX Water Flow/ hour : 2.7m<sup>3</sup>/h



### Technical Data

Pump Specifications	Screw Pump110V
Pump Outlet Dia.	25mm G 1"
Adapting Well Dia.	100 mm
Solar Pumping Controller Model	YTSDC1100
Controlller Power	1100W
Max. DC Input Voltage	180 V
Recommended MPPT Voltage	> 110V
Controller Ambient Temperature	-20 ~ 60 °C
Pump Model	4MHR-2.7-170-110/750
Motor Power	750W
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C

Solar Pump Net Weight	16 kgs	Pump Impeller Material	POM
Solar Pump Gross Weight	17 kgs	Pump Body Material	AISI 304
Solar Pump Volume	0.04m <sup>3</sup>	Controller Enclosure Material	Stainless Steel

### Dimension, Weight and Material

#### Warranty

Controller 2 years  
Pump 2 year

#### Standards

EN 61000-6-2:2005  
EN 61000-6-4:2007+A1:2011  
EN 61000-3-2:2014  
EN 61000-3-3:2013

\*All specifications and information are provided with good intent, products may be subject to change without notice.

### Dimension, Weight and Material

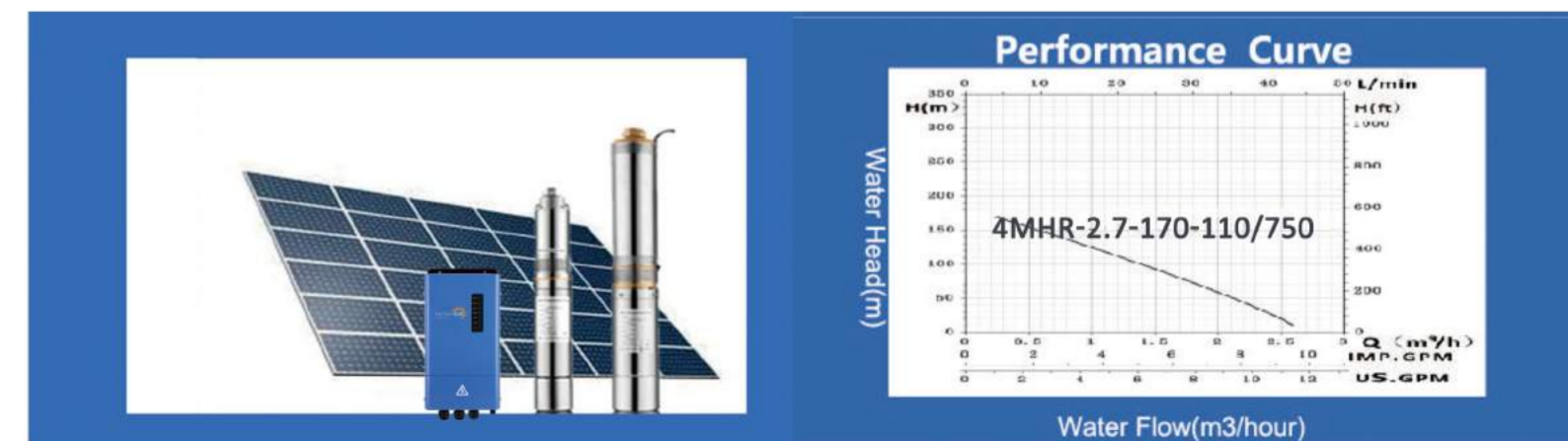
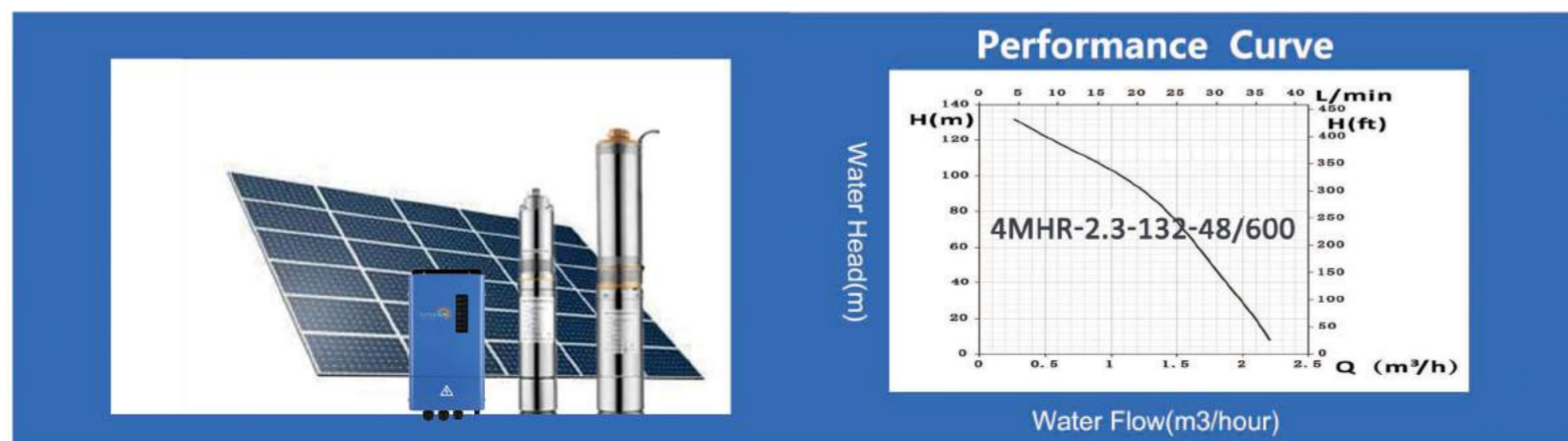
#### Controller

Width = 250 mm  
Height = 360 mm  
Depth = 200 mm



#### Pump

Length = 850 mm  
Diameter = 4"  
Outlet= 1"



# ALL-IN-DC PUMPING KIT

## YTSDC-4MHR-2.2-80-48/400 Solar DC Pump (Permanent Magnet)



### Performance

MAX Head : 80m  
MAX Water Flow/ hour : 2.2 m³/h



### Technical Data

Pump Specifications	Screw Pump 48V
Pump Outlet Dia.	25mm G 1"
Adapting Well Dia.	100 mm
Solar Pumping Controller Model	YTSDC750
Controlller Power	750 W
Max. DC Input Voltage	100 V
Recommended MPPT Voltage	>48V
Controller Ambient Temperature	-20 ~ 60 °C
Pump Model	4MHR-2.2-80-48/400
Motor Power	400W
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C

Solar Pump Net Weight	12 kgs	Pump Impeller Material	POM
Solar Pump Gross Weight	13 kgs	Pump Body Material	AISI 304
Solar Pump Volume	0.03m³	Controller Enclosure Material	Stainless Steel

### Dimension, Weight and Material

#### Warranty

Controller 2 years  
Pump 2 year

#### Standards

EN 61000-6-2:2005  
EN 61000-6-4:2007+A1:2011  
EN 61000-3-2:2014  
EN 61000-3-3:2013

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### Dimension, Weight and Material

#### Controller

Width = 250 mm  
Height = 360 mm  
Depth = 200 mm



#### Pump

Length = 620 mm  
Well Diameter = 4"  
Outlet= 1"



## YTSDC-4MHR-2.8-85-48/500 Solar DC Pump (Permanent Magnet)



### Performance

MAX Head : 85m  
MAX Water Flow/ hour : 2.8m³/h



### Technical Data

Pump Specifications	Screw Pump 48V
Pump Outlet Dia.	25mm G 1"
Adapting Well Dia.	100 mm
Solar Pumping Controller Model	YTSDC750
Controlller Power	750 W
Max. DC Input Voltage	100 V
Recommended MPPT Voltage	>48V
Controller Ambient Temperature	-20 ~ 60 °C
Pump Model	4MHR-2.8-85-48/500
Motor Power	500W
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C

Solar Pump Net Weight	13 kgs	Pump Impeller Material	POM
Solar Pump Gross Weight	kgs	Pump Body Material	AISI 304
Solar Pump Volume	0.03m³	Controller Enclosure Material	Stainless Steel

### Dimension, Weight and Material

#### Warranty

Controller 2 years  
Pump 2 year

#### Standards

EN 61000-6-2:2005  
EN 61000-6-4:2007+A1:2011  
EN 61000-3-2:2014  
EN 61000-3-3:2013

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### Dimension, Weight and Material

#### Controller

Width = 250 mm  
Height = 360 mm  
Depth = 200 mm

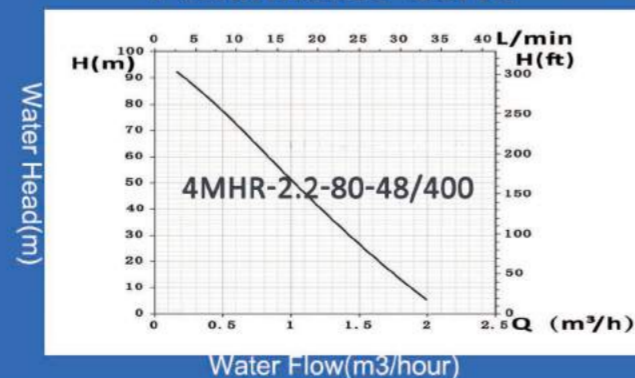


#### Pump

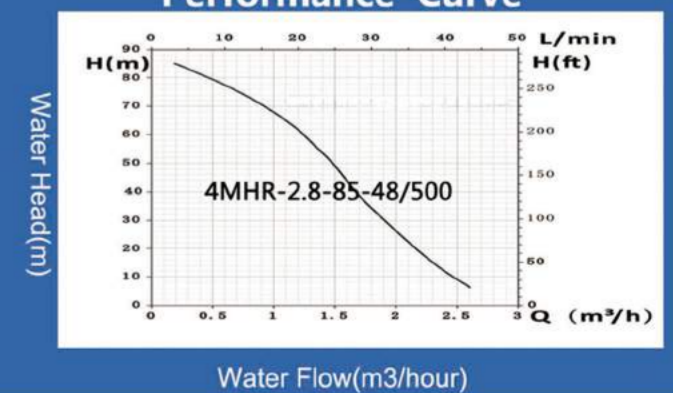
Length = 650 mm  
Well Diameter = 4"  
Outlet= 1"



### Performance Curve



### Performance Curve



# ALL-IN-DC PUMPING KIT

## YTSDC-4MHC-7.2-68-110/1100 Solar DC Pump (Permanent Magnet)



### Performance

MAX Head : 68 m  
MAX Water Flow/ hour : 7.2 m<sup>3</sup>/h



### Technical Data

Pump Specifications	Centrifugal Pump 110V
Pump Outlet Dia.	40mm G 1"1/2
Adapting Well Dia.	100 mm
Solar Pumping Controller Model	YTSDC1100
Controlller Power	1100 W
Max. DC Input Voltage	180 V
Recommended MPPT Voltage	>110V
Controller Ambient Temperature	-20 ~ 60 °C
Pump Model	4MHC-7.2-68-110/1100
Motor Power	1100W
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C

Solar Pump Net Weight	17 kgs	Pump Impeller Material	POM
Solar Pump Gross Weight	18 kgs	Pump Body Material	AISI 304
Solar Pump Volume	0.04m <sup>3</sup>	Controller Enclosure Material	Stainless Steel

### Dimension, Weight and Material

#### Warranty

Controller 2 years  
Pump 2 year

#### Standards

EN 61000-6-2:2005  
EN 61000-6-4:2007+A1:2011  
EN 61000-3-2:2014  
EN 61000-3-3:2013

\*All specifications and information are provided with good intent, products may be subject to change without notice.

### Dimension, Weight and Material

#### Controller

Width = 250 mm  
Height = 360 mm  
Depth = 200 mm

#### Pump

Length = 900 mm  
Diameter = 4"  
Outlet= 1" 1/2



## YTSDC-4MHC-8.4-70-110/1500 Solar DC Pump (Permanent Magnet)



### Performance

MAX Head : 70 m  
MAX Water Flow/ hour : 8.4 m<sup>3</sup>/h



### Technical Data

Pump Specifications	Centrifugal Pump 110V
Pump Outlet Dia.	40mm G 1"1/2
Adapting Well Dia.	100 mm
Solar Pumping Controller Model	YTSDC1500
Controlller Power	1500W
Max. DC Input Voltage	180 V
Recommended MPPT Voltage	>110V
Controller Ambient Temperature	-20 ~ 60 °C
Pump Model	4MHC-8.4-70-110/1500
Motor Power	1500W
Pump Enclosure Class	IP68
Ambient Water pH Range	6.5 - 8.0
Ambient Water Temperature	1 - 35 °C

Solar Pump Net Weight	21 kgs	Pump Impeller Material	POM
Solar Pump Gross Weight	22 kgs	Pump Body Material	AISI 304
Solar Pump Volume	0.04m <sup>3</sup>	Controller Enclosure Material	Stainless Steel

### Dimension, Weight and Material

#### Warranty

Controller 2 years  
Pump 2 year

#### Standards

EN 61000-6-2:2005  
EN 61000-6-4:2007+A1:2011  
EN 61000-3-2:2014  
EN 61000-3-3:2013

\*All specifications and information are provided with good intent, products may be subject to change without notice.

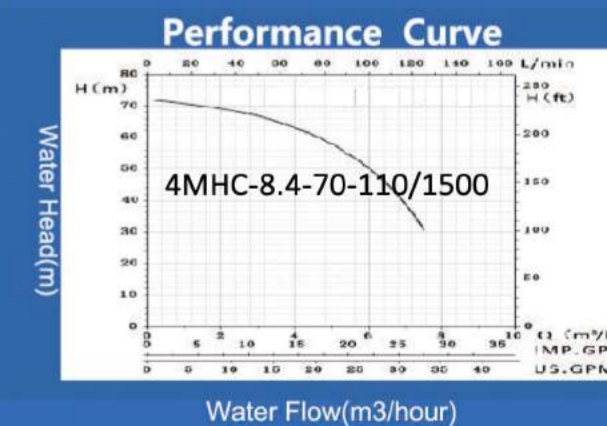
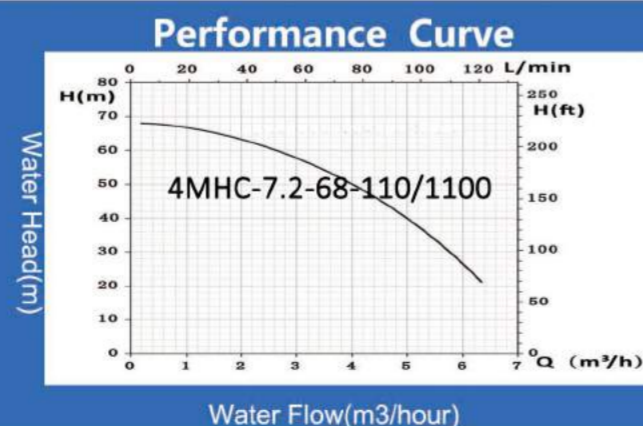
### Dimension, Weight and Material

#### Controller

Width = 250 mm  
Height = 360 mm  
Depth = 200 mm

#### Pump

Length = 1000 mm  
Diameter = 4"  
Outlet= 1" 1/2

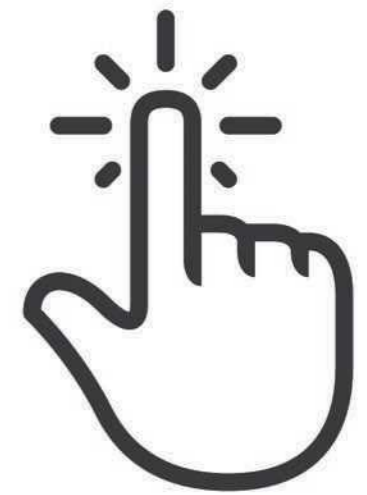


# 太阳能水泵

SOLAR POWER PUMP



**2021-2022**  
**NEWEST UPGRADE**



**TOUCH**  
**OPERATION**

# 3SPC SERIES

3inch BLDC Solar Submersible Pump (Nylon Impeller)



## FREE PARTS

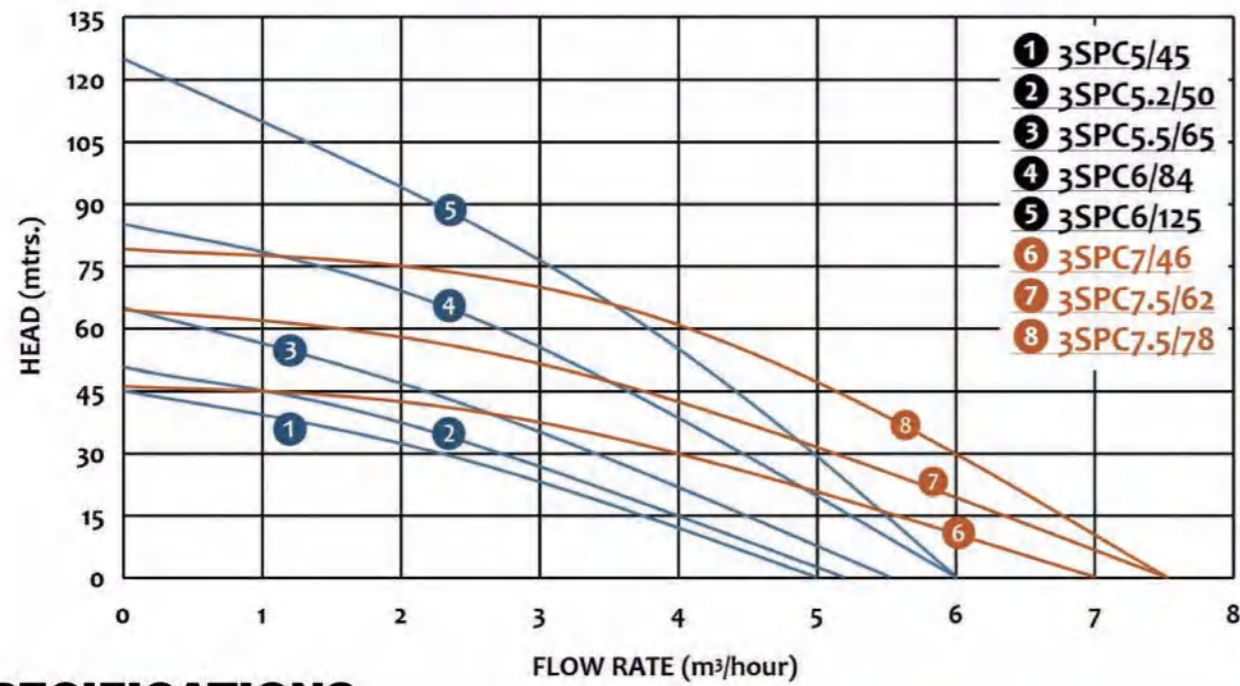


## MATERIAL

- Outlet/Cylinder: Brass or SS
- Pump/Motor Body: 304 Stainless Steel
- Impeller: Reinforced Nylon
- Bearing: NSK
- Motor: Permanent Magnet Brushless DC Motor
- Controller: MPPT/32bit MCU/FOC/Sine Wave Current



## PERFORMANCE CURVES



## SPECIFICATIONS

Model	Voltage (Vdc)		Power		Max Head Mtrs.	Max Flow m³/h	Outlet inch	Solar Panel
	Rated	Range	watt	hp				
3SPC5/45-D48/500	48	42-168	500	0.7	45	5	1.25"	≥330W 2PCS
3SPC5.2/50-D48/600	48	42-168	600	0.8	50	5.2	1.25"	≥250W 4PCS
3SPC5.2/50-D72/600	72	42-168	600	0.8	50	5.2	1.25"	≥275W 3PCS
3SPC5.5/65-D72/750	72	42-168	750	1.0	65	5.5	1.25"	≥330W 3PCS
3SPC5.5/65-D110/750	110	42-168	750	1.0	65	5.5	1.25"	≥330W 3PCS
3SPC6/84-D110/1100	110	42-168	1100	1.5	84	6	1.25"	≥250W 6PCS
3SPC6/125-D110/1500	110	42-168	1500	2.0	125	6	1.25"	≥350W 6PCS
3SPC7/46-D72/750	72	42-168	750	1.0	46	7	1.25"	≥330W 3PCS
3SPC7/46-D110/750	110	42-168	750	1.0	46	7	1.25"	≥330W 3PCS
3SPC7.5/62-D110/1100	110	42-168	1100	1.5	62	7.5	1.25"	≥250W 6PCS
3SPC7.5/78-D110/1500	110	42-168	1500	2.0	78	7.5	1.25"	≥350W 6PCS

# 4SPC SERIES

4inch BLDC Solar Submersible Pump (Nylon Impeller)



## FREE PARTS

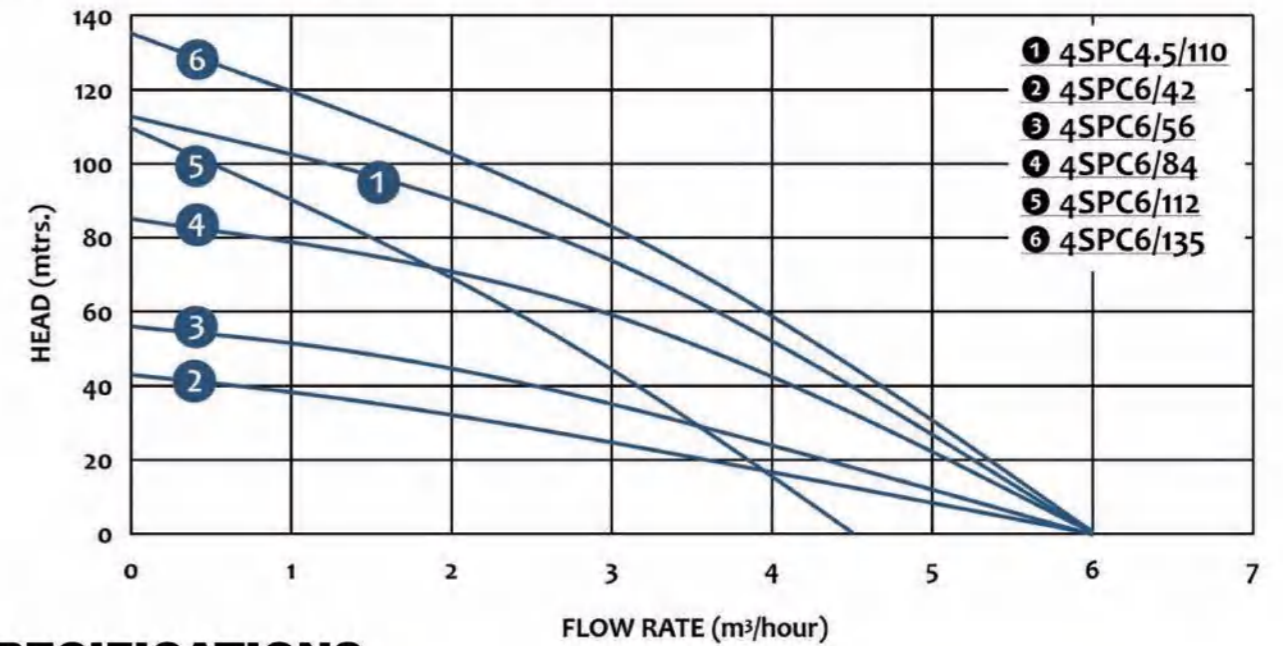


## MATERIAL

- Outlet/Cylinder: Brass or SS
- Pump/Motor Body: 304 Stainless Steel
- Impeller: Reinforced Nylon
- Bearing: NSK
- Motor: Permanent Magnet Brushless DC Motor
- Controller: MPPT/32bit MCU/FOC/Sine Wave Current



## PERFORMANCE CURVES



## SPECIFICATIONS

Model	Voltage (Vdc)		Power		Max Head Mtrs.	Max Flow m³/h	Outlet inch	Solar Panel
	Rated	Range	watt	hp				
4SPC4.5/110-D72/1100	72	42-168	1100	1.5	110	4.5	1.25"	≥250W 6PCS
4SPC4.5/110-D110/1100	110	42-168	1100	1.5	110	4.5	1.25"	≥250W 6PCS
4SPC6/42-D48/600	48	42-168	600	0.8	42	6	1.25"	≥250W 4PCS
4SPC6/42-D72/600	72	42-168	600	0.8	42	6	1.25"	≥275W 3PCS
4SPC6/56-D48/750	48	42-168	750	1.0	56	6	1.25"	≥250W 4PCS
4SPC6/56-D72/750	72	42-168	750	1.0	56	6	1.25"	≥330W 3PCS
4SPC6/84-D72/1100	72	42-168	1100	1.5	84	6	1.25"	≥250W 6PCS
4SPC6/84-D110/1100	110	42-168	1100	1.5	84	6	1.25"	≥250W 6PCS
4SPC6/112-D110/1300	110	42-168	1300	1.7	112	6	1.25"	≥350W 6PCS
4SPC6/135-D110/1500	110	42-168	1500	2.0	135	6	1.25"	≥350W 6PCS



# 4SPC SERIES

4inch BLDC Solar Submersible Pump (Nylon Impeller)

05

## FREE PARTS

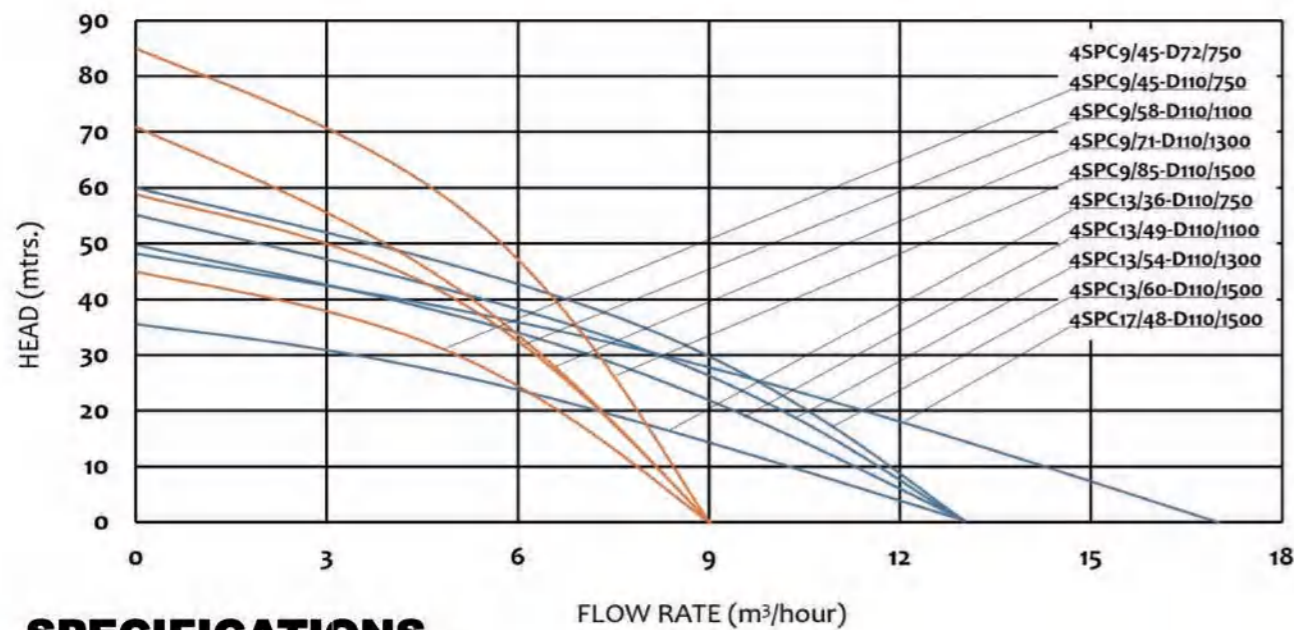


## MATERIAL

- Outlet/Cylinder: Brass or SS
- Pump/Motor Body: 304 Stainless Steel
- Impeller: Reinforced Nylon
- Bearing: NSK
- Motor: Permanent Magnet Brushless DC Motor
- Controller: MPPT/32bit MCU/FOC/Sine Wave Current



## PERFORMANCE CURVES



## SPECIFICATIONS

Model	Voltage (Vdc)		Power		Max Head Mtrs.	Max Flow m³/h	Outlet inch	Solar Panel
	Rated	Range	watt	hp				
4SPC9/45-D72/750	72	42-168	750	1.0	45	9	2"	≥330W 3PCS
4SPC9/45-D110/750	110	42-168	750	1.0	45	9	2"	≥330W 3PCS
4SPC9/58-D110/1100	110	42-168	1100	1.5	58	9	2"	≥250W 6PCS
4SPC9/71-D110/1300	110	42-168	1300	1.7	71	9	2"	≥350W 6PCS
4SPC9/85-D110/1500	110	42-168	1500	2.0	85	9	2"	≥350W 6PCS
4SPC13/36-D110/750	110	42-168	750	1.0	36	13	2"	≥330W 3PCS
4SPC13/49-D110/1100	110	42-168	1100	1.5	49	13	2"	≥250W 6PCS
4SPC13/54-D110/1300	110	42-168	1300	1.7	54	13	2"	≥350W 6PCS
4SPC13/60-D110/1500	110	42-168	1500	2.0	60	13	2"	≥350W 6PCS
4SPC17/48-D110/1500	110	42-168	1500	2.0	48	17	2"	≥350W 6PCS

# 3SSC SERIES

3inch BLDC Solar Submersible Pump (SS Impeller)

06

## FREE PARTS

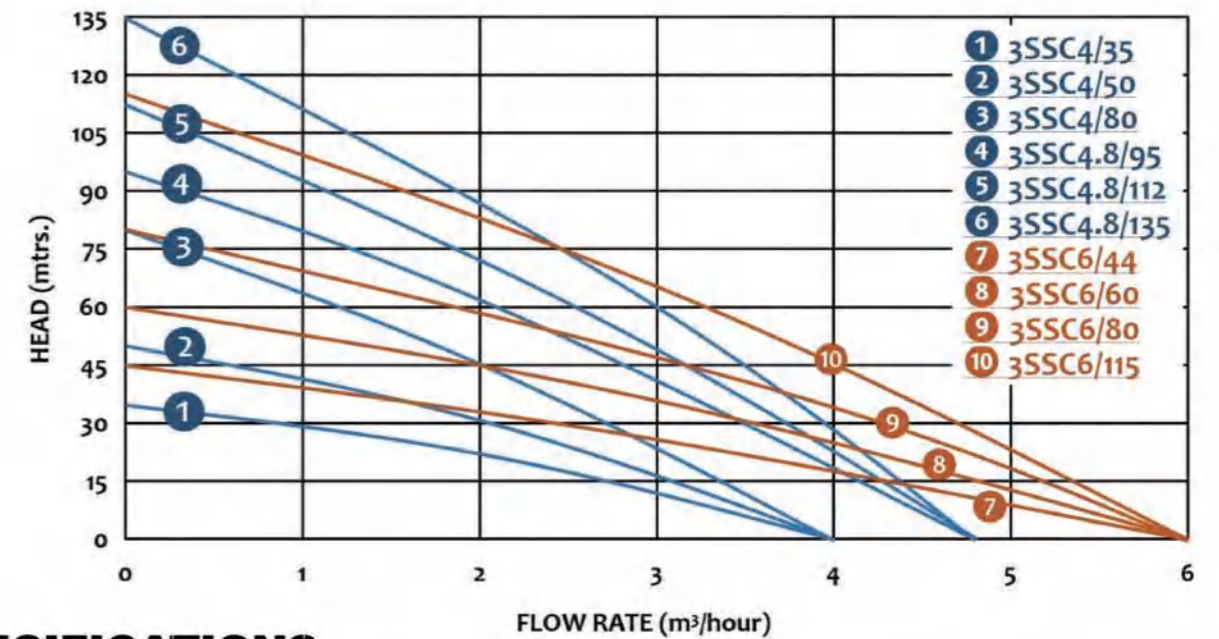


## MATERIAL

- Outlet/Cylinder: 304 Stainless Steel
- Pump/Motor Body: 304 Stainless Steel
- Impeller: 304 Stainless Steel
- Bearing: NSK
- Motor: Permanent Magnet brushless DC Motor
- NEMA Standard
- Controller: MPPT/32bit MCU/FOC/Sine Wave Current



## PERFORMANCE CURVES



## SPECIFICATIONS

Model	Voltage (Vdc)		Power		Max Head Mtrs.	Max Flow m³/h	Outlet inch	Solar Panel
	Rated	Range	watt	hp				
3SSC4/35-D24/300	24	42-168	300	0.4	35	4	1.25"	≥200W 2PCS
3SSC4/50-D48/400	48	42-168	400	0.5	50	4	1.25"	≥300W 2PCS
3SSC4/80-D48/600	48	42-168	600	0.8	80	4	1.25"	≥250W 4PCS
3SSC4.8/95-D72/750	72	42-168	750	1.0	95	4.8	1.25"	≥330W 3PCS
3SSC4.8/112-D72/1100	72	42-168	1100	1.5	112	4.8	1.25"	≥250W 6PCS
3SSC4.8/112-D110/1100	110	42-168	1100	1.5	112	4.8	1.25"	≥250W 6PCS
3SSC4.8/135-D110/1500	110	42-168	1500	2.0	135	4.8	1.25"	≥350W 6PCS
3SSC6/44-D48/600	48	42-168	600	0.8	44	6	1.25"	≥250W 4PCS
3SSC6/44-D72/600	72	42-168	600	0.8	44	6	1.25"	≥275W 3PCS
3SSC6/60-D72/750	72	42-168	750	1.0	60	6	1.25"	≥330W 3PCS
3SSC6/80-D72/1100	72	42-168	1100	1.5	80	6	1.25"	≥250W 6PCS
3SSC6/80-D110/1100	110	42-168	1100	1.5	80	6	1.25"	≥250W 6PCS
3SSC6/115-D110/1500	110	42-168	1500	2.0	115	6	1.25"	≥350W 6PCS

# 4SSC SERIES

4inch BLDC Solar Submersible Pump (SS Impeller)

07

## FREE PARTS

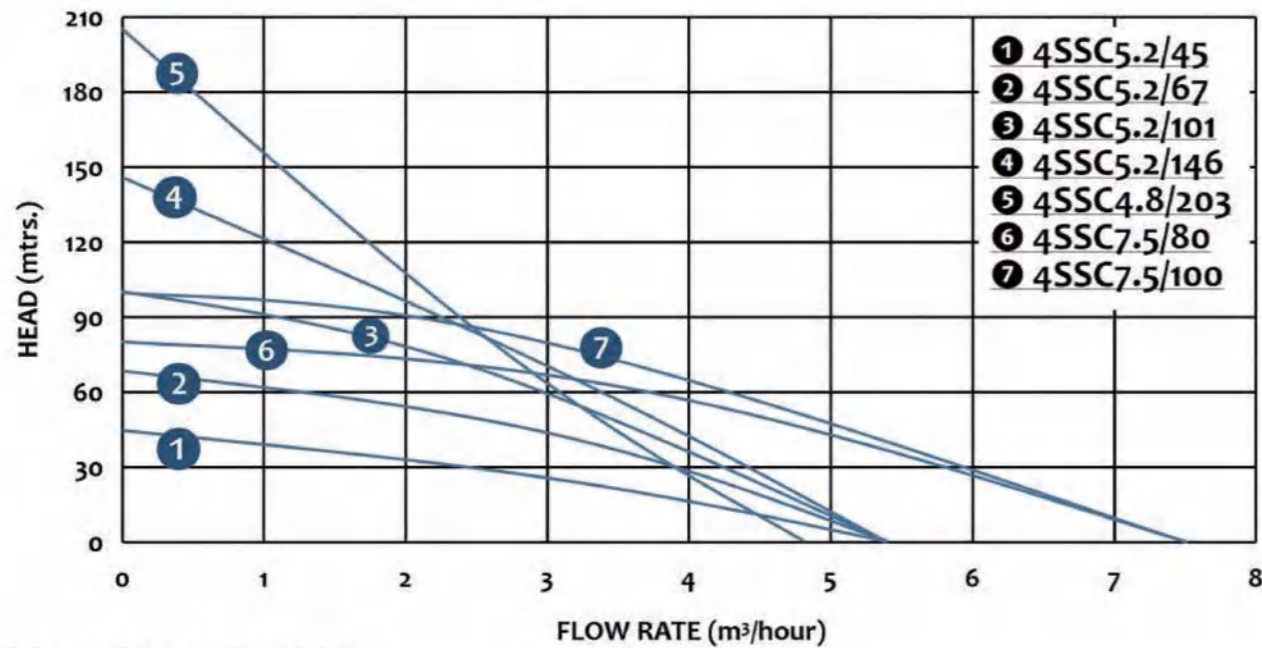


## MATERIAL

- Outlet/Cylinder: 304 Stainless Steel
- Pump/Motor Body: 304 Stainless Steel
- Impeller: 304 Stainless Steel
- Bearing: NSK
- Motor: Permanent Magnet brushless DC Motor
- NEMA Standard
- Controller: MPPT/32bit MCU/FOC/Sine Wave Current



## PERFORMANCE CURVES



## SPECIFICATIONS

Model	Voltage (Vdc)		Power		Max Head	Max Flow	Outlet	Solar Panel
	Rated	Range	watt	hp	Mtrs.	m³/h	inch	
4SSC5.2/45-D48/500	48	42-168	500	0.7	45	5.2	1.25"	≥330W 2PCS
4SSC5.2/67-D48/750	48	42-168	750	1.0	67	5.2	1.25"	≥250W 4PCS
4SSC5.2/67-D72/750	72	42-168	750	1.0	67	5.2	1.25"	≥330W 3PCS
4SSC5.2/101-D72/1100	72	42-168	1100	1.5	101	5.2	1.25"	≥250W 6PCS
4SSC5.2/101-D110/1100	110	42-168	1100	1.5	101	5.2	1.25"	≥250W 6PCS
4SSC5.2/146-D110/1300	110	42-168	1300	1.7	146	5.2	1.25"	≥350W 6PCS
4SSC4.8/203-D110/1500	110	42-168	1500	2.0	203	4.8	1.25"	≥350W 6PCS
4SSC7.5/80-D110/1300	110	42-168	1300	1.7	80	7.5	1.25"	≥350W 6PCS
4SSC7.5/100-D110/1500	110	42-168	1500	2.0	100	7.5	1.25"	≥350W 6PCS

# 4SSC SERIES

4inch BLDC Solar Submersible Pump (SS Impeller)

08

## FREE PARTS

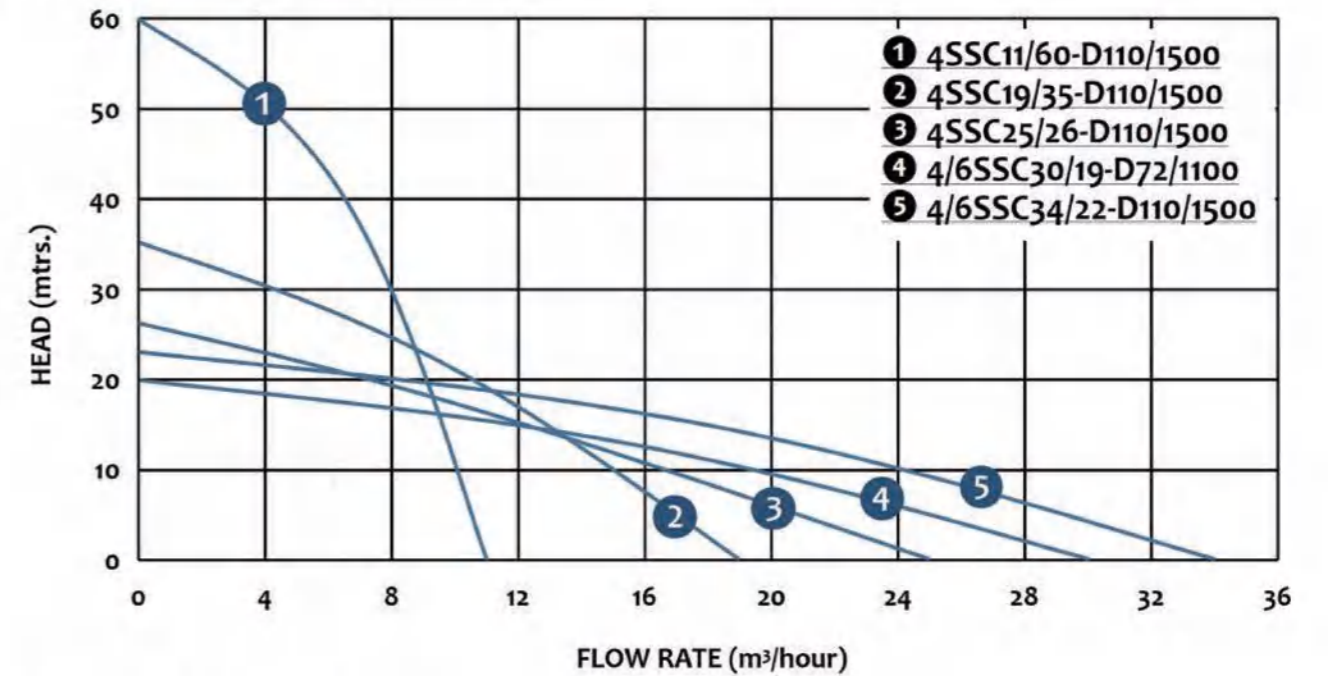


## MATERIAL

- Outlet/Cylinder: 304 Stainless Steel
- Pump/Motor Body: 304 Stainless Steel
- Impeller: 304 Stainless Steel
- Bearing: NSK
- Motor: Permanent Magnet brushless DC Motor
- NEMA Standard
- Controller: MPPT/32bit MCU/FOC/Sine Wave Current



## PERFORMANCE CURVES



## SPECIFICATIONS

Model	Voltage (Vdc)		Power		Max Head	Max Flow	Outlet	Solar Panel
	Rated	Range	watt	hp	Mtrs.	m³/h	inch	
4SSC11/60-D110/1500	110	42-168	1500	2.0	60	11	2"	≥350W 6PCS
4SSC19/35-D110/1500	110	42-168	1500	2.0	35	19	2"	≥350W 6PCS
4SSC25/26-D110/1500	110	42-168	1500	2.0	26	25	2"	≥350W 6PCS
4/6SSC30/19-D72/1100	72	42-168	1100	1.5	30	19	2"	≥250W 6PCS
4/6SSC34/22-D110/1500	110	42-168	1500	2.0	34	22	2"	≥350W 6PCS

# SQB SERIES

Solar Vortex Pump with Internal Controller

09

## FREE PARTS

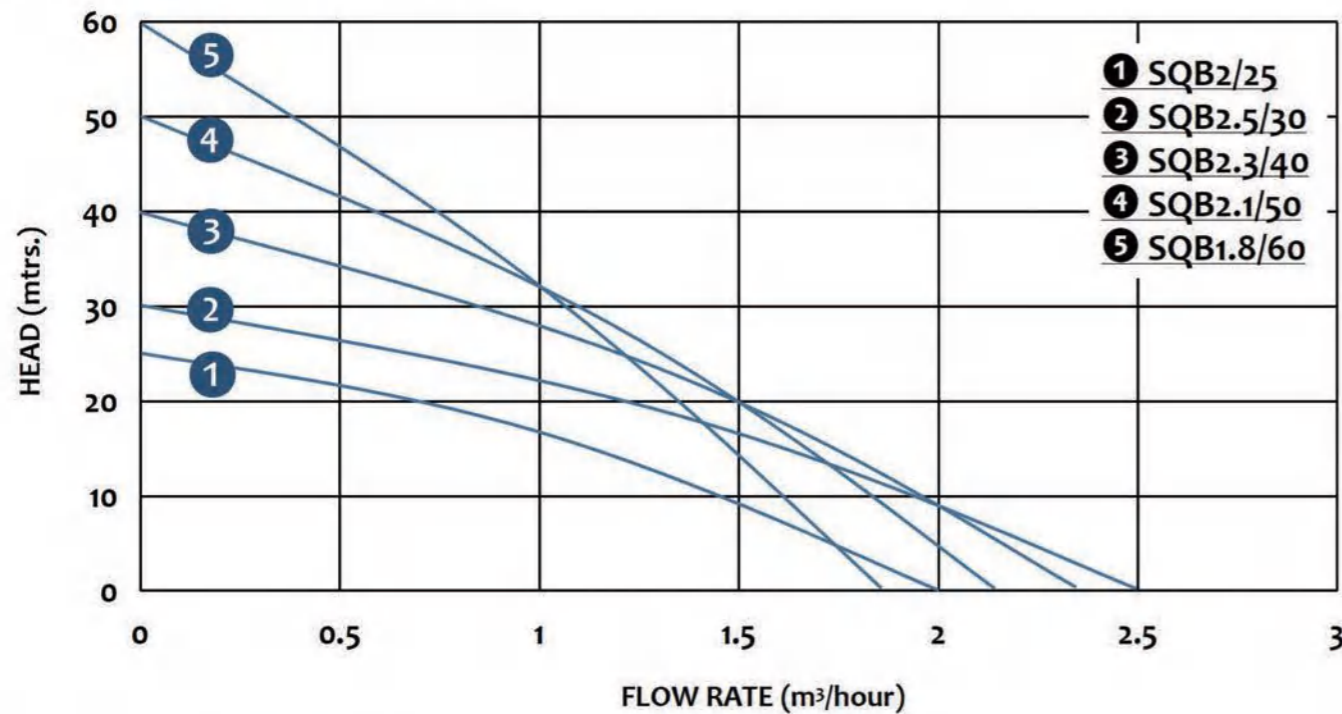


## MATERIAL

- Motor Body: Die-case Aluminum
- Impeller: Brass
- Bearing: NSK
- Motor: Permanent Magnet brushless DC Motor
- Controller: MPPT/32bit MCU/FOC/Sine Wave Current



## PERFORMANCE CURVES



## SPECIFICATIONS

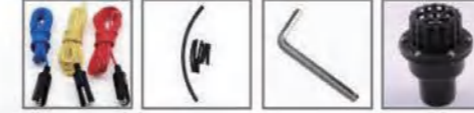
Model	Voltage (Vdc)		Power		Max Head Mtrs.	Max Flow m³/h	Outlet inch	Solar Panel
	Rated	Range	watt	hp				
SQB2/25-D24/250	24	17-50	250	0.3	25	2.0	1"	≥400W 1PC
SQB2.5/30-D30/300	30	17-50	300	0.4	30	2.5	1"	≥445W 1PC
SQB2.3/40-D36/400	36	20-68	400	0.5	40	2.5	1"	≥300W 2PCS
SQB2.1/50-D36/500	48	30-80	500	0.7	50	3.0	1"	≥350W 2PCS
SQB1.8/60-D72/750	72	30-100	750	1.0	60	2.0	1"	≥330W 3PCS

# CPM SERIES

Solar Centrifugal Surface Pump

10

## FREE PARTS

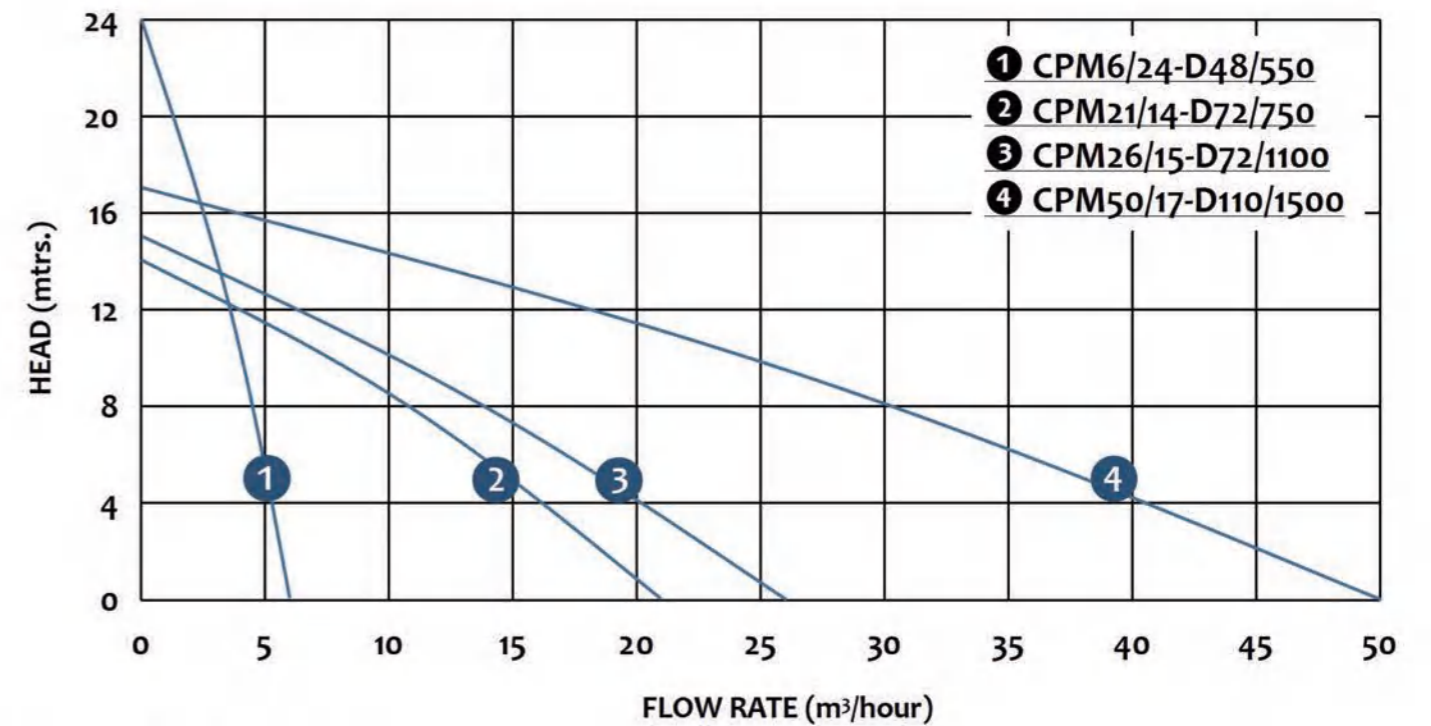


## MATERIAL

- Motor Body: Die-case Aluminum
- Impeller: Brass
- Bearing: NSK
- Motor: Permanent Magnet brushless DC Motor
- Controller: MPPT/32bit MCU/FOC/Sine Wave Current



## PERFORMANCE CURVES



## SPECIFICATIONS

Model	Voltage (Vdc)		Power		Max Head Mtrs.	Max Flow m³/h	Outlet & Inlet inch	Solar Panel
	Rated	Range	watt	hp				
CPM6/24-D48/550	48	42~168	550	0.8	24	6	1"	≥380W 2PCS
CPM21/14-D72/750	72	42~168	750	1.0	14	21	2"	≥330W 3PCS
CPM26/15-D72/1100	72	42~168	1100	1.5	15	26	2"	≥380W 4PCS
CPM50/17-D110/1500	110	42~168	1500	2.0	17	50	3"	≥350W 6PCS

# JLP SERIES

Solar Swimming Pool Pump System



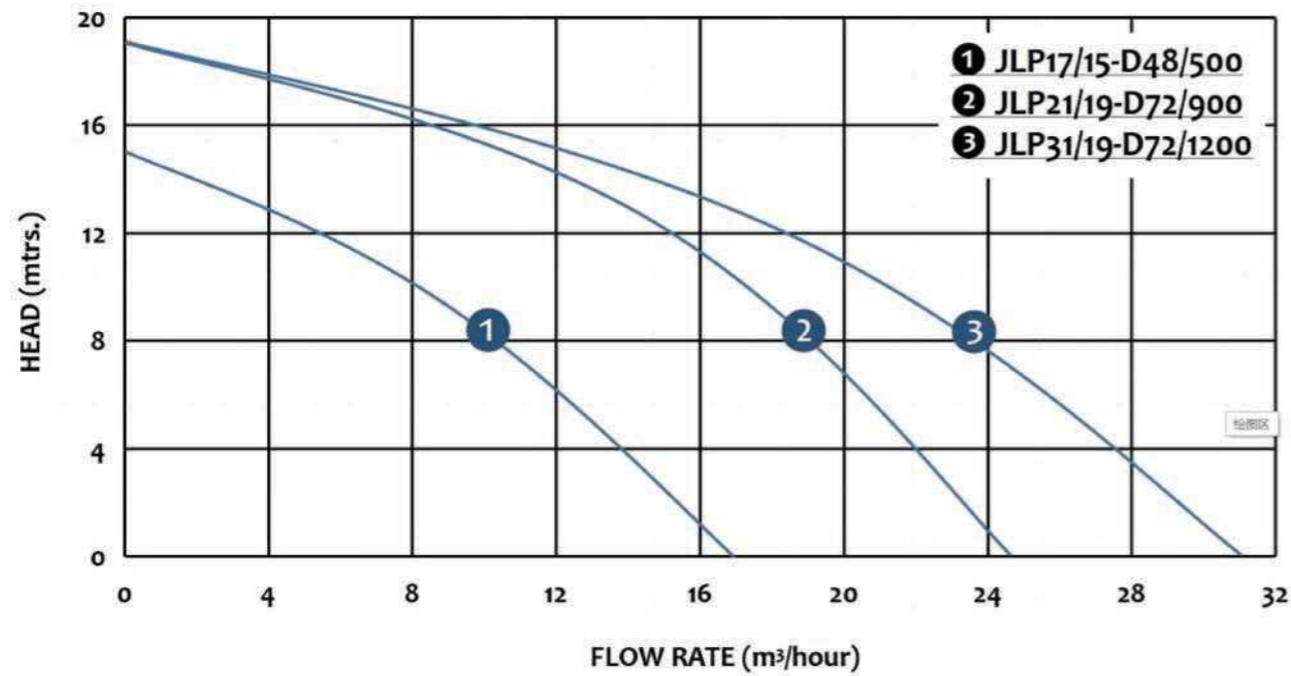
## FREE PARTS



## MATERIAL

- Outlet/Inlet: CHINA&US Standard
- Pump Body: Reinforced Nylon
- Motor Body: Die-cast Aluminum
- Impeller: Reinforced Nylon
- Bearing: NSK
- Motor: Permanent Magnet brushless DC Motor
- Controller: MPPT/32bit MCU/FOC/Sine Wave Current

## PERFORMANCE CURVES



## SPECIFICATIONS

Model	Voltage	Power	Max Head	Max Flow	Max Suc.	Outlet & Inlet	Solar Panel
	Vdc	watt	Mtrs.	m³/h	Mtrs.	mm	
JLP17/15-D48/500	48	500	15	17	5	48/50	≥370W 2PCS
JLP21/19-D72/900	72	900	19	21	5	48/50	≥370W 4PCS
JLP31/19-D72/1200	72	1200	19	31	5	60/63	≥440W 4PCS