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Zhejiang Dingfeng Electrical Appliance Co.,Ltd.

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*Solar DC BoreWell Pump
Solar AC/DC Water Pump
Solar DC Pool Pump
Solar DC Peripheral Pump*

*Solar Air Conditioner
(Hybrid / Off grid)*



WATER FILLED MOTOR

AC/DC HYBRID SOLAR PUMP





WATER FILLED MOTOR

AC/DC HYBRID SOLAR PUMP



4DFS

ADVANTAGE

1. Permanent magnet brushless frequency conversion water-filled motor.
2. Double inner and outer shielded motor with field-oriented control function. No mechanical seal is used, so it can avoid the water leakage and mechanical seal friction. And the wet rotor cooling effect is better.
3. Built-in intelligent controller.
4. Hybrid powered by AC and DC, max power is 3KW.
5. Soft start: extend the service life.
6. Voltage range: 60-380VMP or 90-240VAC, 50/60HZ. Max.VOC is 440V.
7. Dry-running protection, Reverse protection, Over-load protection, Over-current protection, Over-voltage protection, Phase loss protection.
8. 304 Stainless steel material.
9. High temperature copper coil.
10. High-accuracy rotor with graphite bearing and thrust bearing.
11. In DC mode, the MPPT function can achieve over 99% efficiency.
12. In AC mode, the power factor correction function can make the power factor exceed 0.99.
13. Submerging depth can reach 150 meters.
14. 2 years warranty.



ENERGY CONSERVATION



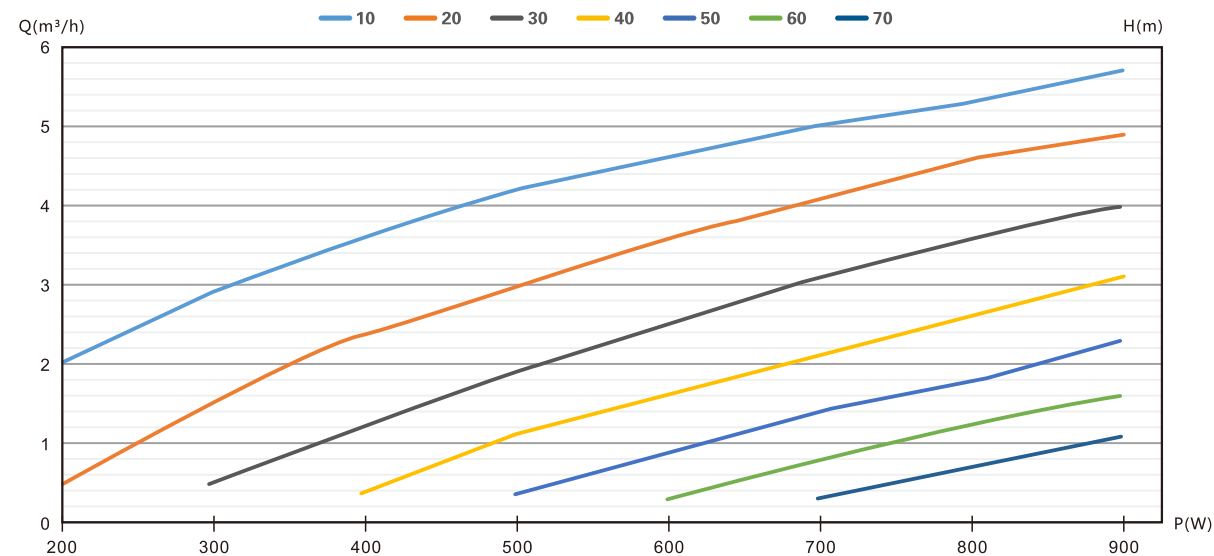
ENVIRONMENTAL PROTECTION



HIGH EFFICIENCY



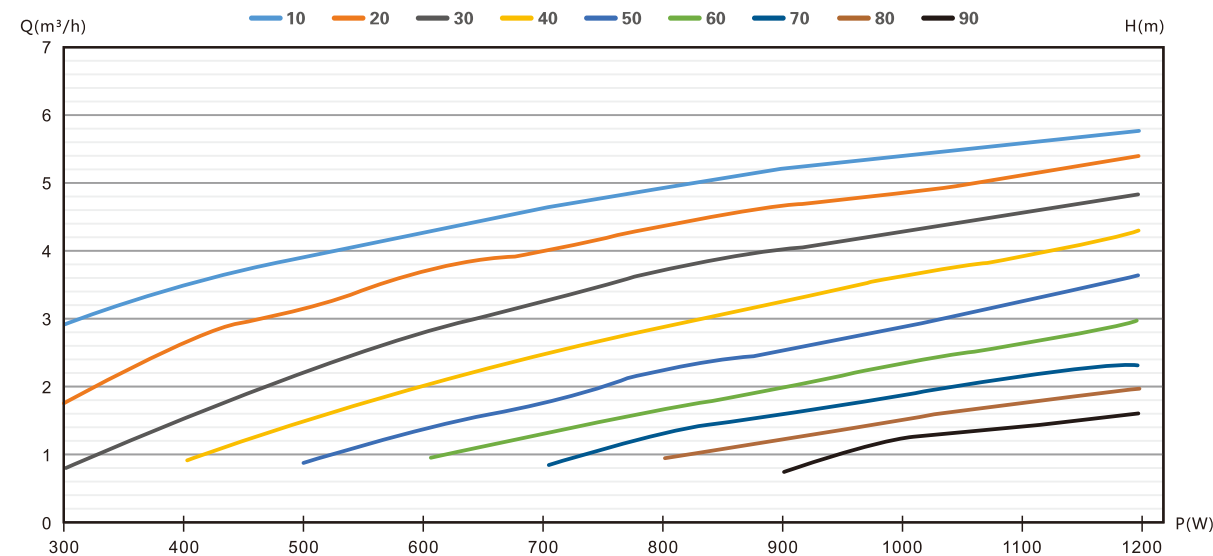
QUALITY ASSURANCE



Model		Input Power (W)							
4DFS5.7-83-750		200	300	400	500	600	700	800	900
		Q(m³/h)							
H(m)	10	2	2.9	3.6	4.2	4.6	5	5.3	5.7
	20	0.5	1.5	2.4	3	3.6	4.1	4.6	4.9
	30		0.5	1.2	1.9	2.5	3.1	3.6	4
	40			0.4	1.1	1.6	2.1	2.6	3.1
	50				0.4	0.9	1.4	1.8	2.3
	60					0.3	0.8	1.2	1.6
	70						0.3	0.7	1.1

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS5.7-83-750	60-380Vmp(60-440VOC)	90-240VAC	750W	5.7m³/h	83m

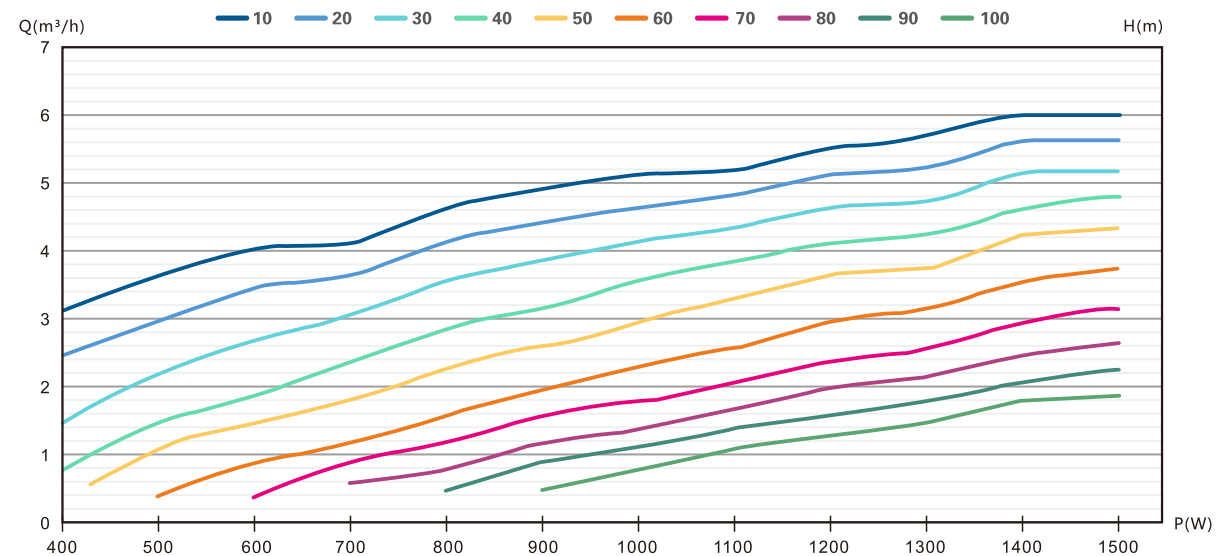
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.25"	4"	2m	330W*3	in series	4DFS2/7



Model		Input Power (W)									
4DFS5.9-107-1100		300	400	500	600	700	800	900	1000	1100	1200
		Q(m³/h)									
H(m)	10	2.8	3.4	3.8	4.2	4.6	4.9	5.2	5.4	5.6	5.8
	20	1.6	2.5	3	3.6	3.9	4.3	4.6	4.8	5.1	5.4
	30	0.7	1.4	2	2.6	3.1	3.6	3.9	4.2	4.5	4.8
	40		0.7	1.3	1.8	2.3	2.7	3.1	3.5	3.8	4.2
	50			0.6	1.1	1.5	2	2.3	2.7	3.1	3.5
	60				0.6	1	1.4	1.7	2.1	2.4	2.8
	70					0.5	1	1.3	1.6	1.9	2.1
	80						0.6	0.9	1.2	1.5	1.7
	90							0.4	0.9	1.1	1.3

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS5.9-107-1100	60-380Vmp(60-440VOC)	90-240VAC	1100W	5.9m³/h	107m

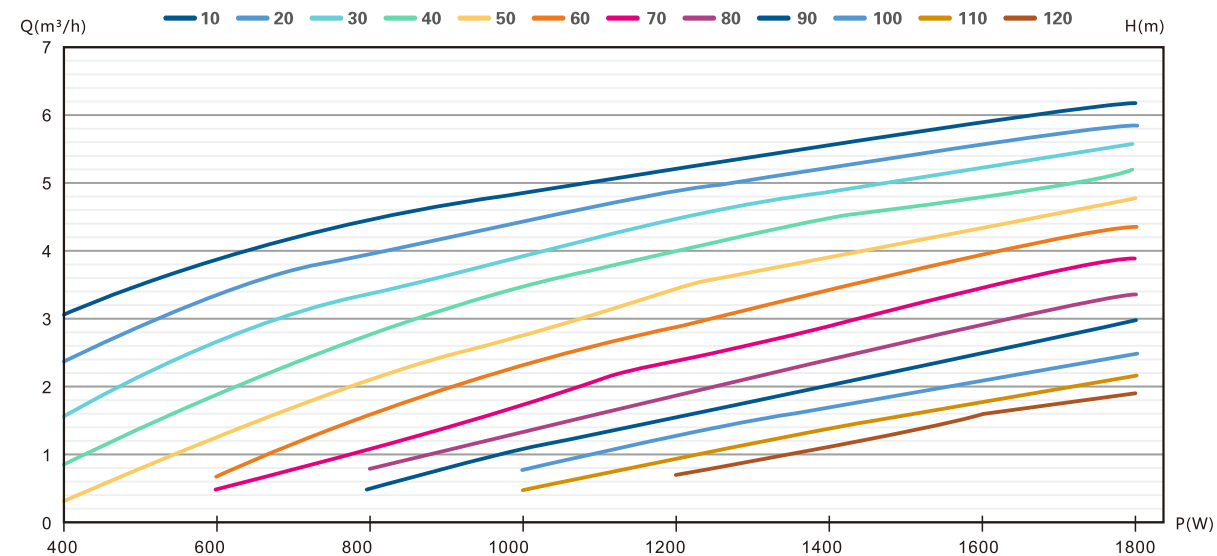
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.25"	4"	2m	330W*4	in series	4DFS2/9



Model		Input Power (W)											
4DFS6.1-129-1300		400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
		Q(m³/h)											
H(m)	10	3.2	3.7	4.1	4.2	4.7	5	5.2	5.3	5.6	5.7	6	6
	20	2.5	3	3.5	3.7	4.2	4.5	4.7	4.9	5.2	5.3	5.7	5.7
	30	1.5	2.2	2.7	3.1	3.6	3.9	4.2	4.4	4.7	4.8	5.2	5.3
	40	0.8	1.5	1.9	2.4	2.9	3.2	3.6	3.9	4.2	4.3	4.7	4.9
	50	0.3	1	1.3	1.7	2.2	2.5	2.9	3.2	3.6	3.7	4.2	4.3
	60		0.4	0.9	1.2	1.6	2	2.3	2.6	3	3.2	3.6	3.8
	70			0.4	0.9	1.2	1.6	1.8	2.1	2.4	2.6	3	3.2
	80				0.6	0.8	1.2	1.4	1.7	2	2.2	2.5	2.7
	90					0.5	0.9	1.1	1.4	1.6	1.8	2.1	2.3
	100						0.5	0.8	1.1	1.3	1.5	1.8	1.9

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS6.1-129-1300	60-380Vmp(60-440VOC)	90-240VAC	1300W	6.1m³/h	129m

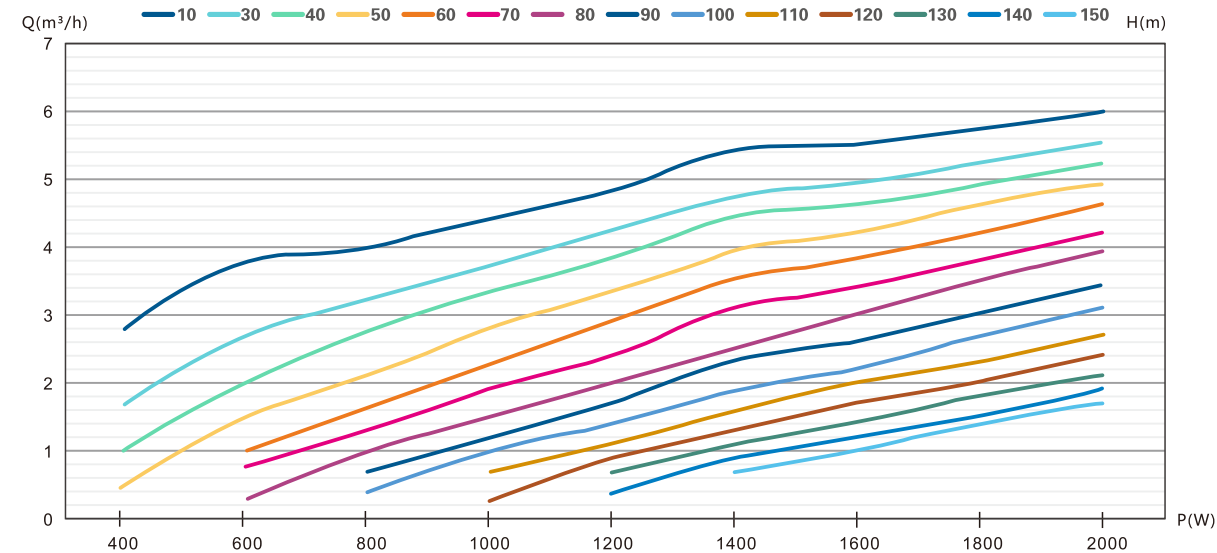
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.25"	4"	2m	330W*5	in series	4DFS2/11



Model		Input Power (W)							
4DFS6.2-144-1500		400	600	800	1000	1200	1400	1600	1800
		Q(m³/h)							
H(m)	10	3.1	3.9	4.5	4.9	5.3	5.6	5.9	6.2
	20	2.4	3.4	4	4.5	4.9	5.3	5.6	5.9
	30	1.6	2.7	3.4	4	4.5	4.9	5.3	5.6
	40	0.9	1.9	2.8	3.5	4	4.5	4.8	5.2
	50	0.3	1.3	2.1	2.8	3.5	4	4.4	4.8
	60		0.7	1.6	2.3	2.9	3.5	4	4.4
	70		0.5	1.1	1.8	2.4	2.9	3.5	3.9
	80			0.8	1.4	1.9	2.4	2.9	3.4
	90				0.5	1.1	1.5	2	2.5
	100					0.8	1.3	1.7	2.1
	110						0.5	1	1.4
	120							0.7	1.1

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS6.2-144-1500	60-380Vmp(60-440VOC)	90-240VAC	1500W	6.2m³/h	144m

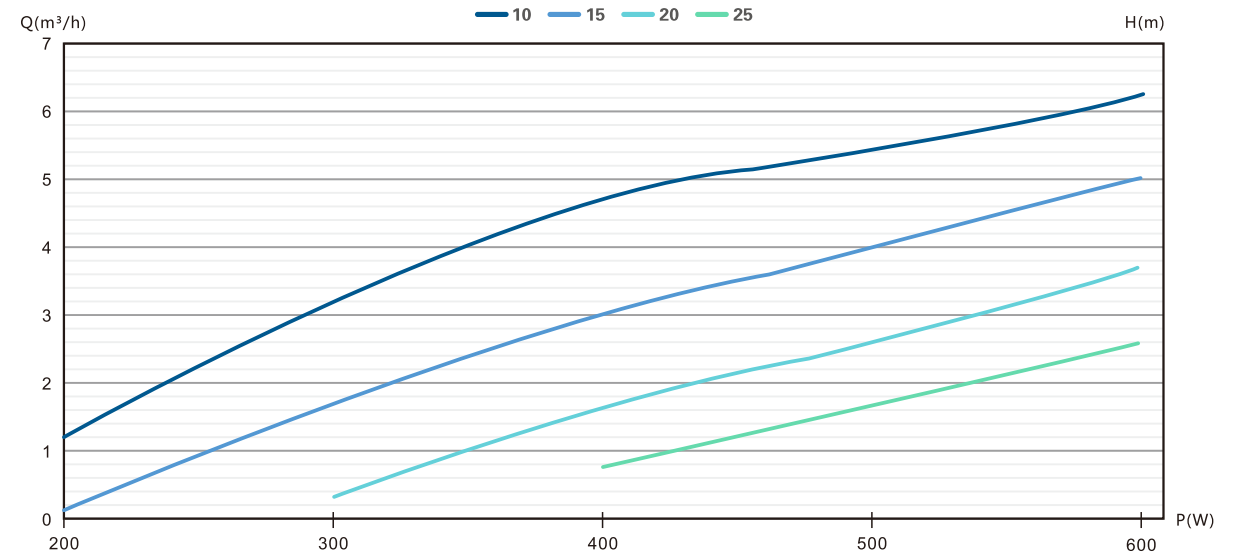
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.25"	4"	2m	330W*6	in series	4DFS2/13



Model		Input Power (W)								
4DFS6.1-183-1800		400	600	800	1000	1200	1400	1600	1800	2000
		Q(m³/h)								
H(m)	10	2.8	3.8	4	4.4	4.8	5.4	5.5	5.7	6
	30	1.7	2.7	3.2	3.7	4.2	4.7	4.9	5.2	5.5
	40	1	2	2.7	3.3	3.8	4.4	4.6	4.9	5.2
	50	0.5	1.5	2.1	2.8	3.3	3.9	4.2	4.6	4.9
	60		1	1.7	2.3	2.9	3.5	3.8	4.2	4.6
	70		0.8	1.3	1.9	2.4	3.1	3.4	3.8	4.2
	80		0.3	1	1.5	2	2.5	3	3.5	3.9
	90			0.7	1.2	1.7	2.3	2.6	3	3.4
	100			0.4	1	1.4	1.9	2.2	2.7	3.1
	110				0.7	1.1	1.6	2	2.3	2.7
	120				0.3	0.9	1.3	1.7	2	2.4
	130					0.7	1.1	1.4	1.8	2.1
	140					0.4	0.9	1.2	1.5	1.9
	150						0.7	1	1.4	1.7

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS6.1-183-1800	60-380Vmp(60-440VOC)	90-240VAC	1800W	6.1m³/h	183m

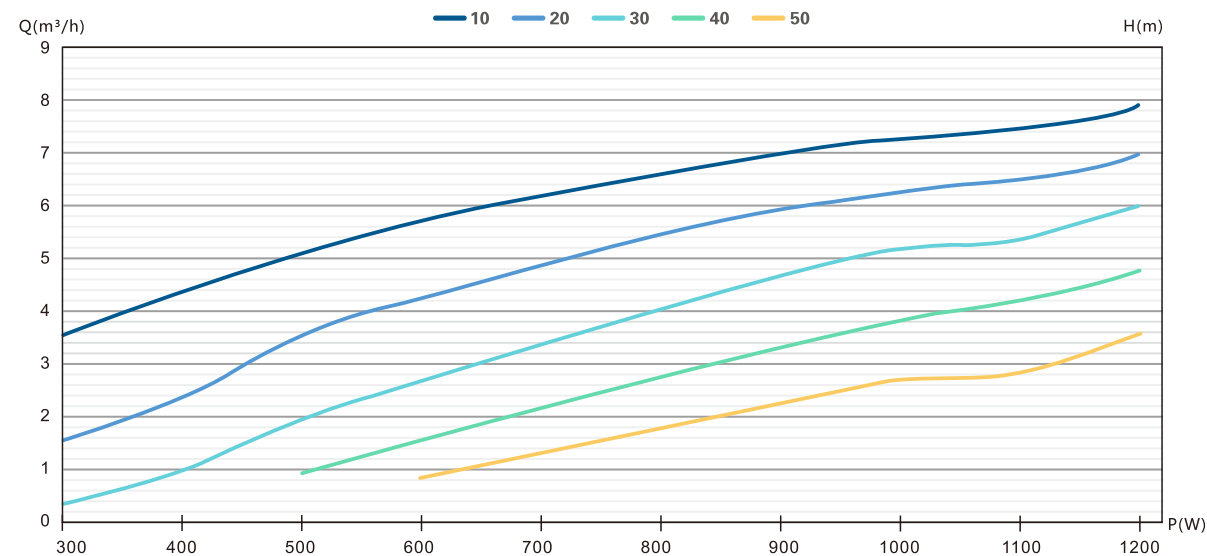
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.25"	4"	2m	330W*7	in series	4DFS2/16



Model		Input Power (W)				
4DFS6.7-39-500		200	300	400	500	600
		Q(m³/h)				
H(m)	10	1.3	3.3	4.7	5.4	6.2
	15	0.2	1.7	3	4	5
	20		0.4	1.7	2.6	3.7
	25			0.8	1.7	2.6

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS6.7-39-500	60-380Vmp(60-440VOC)	90-240VAC	500W	6.7m³/h	39m

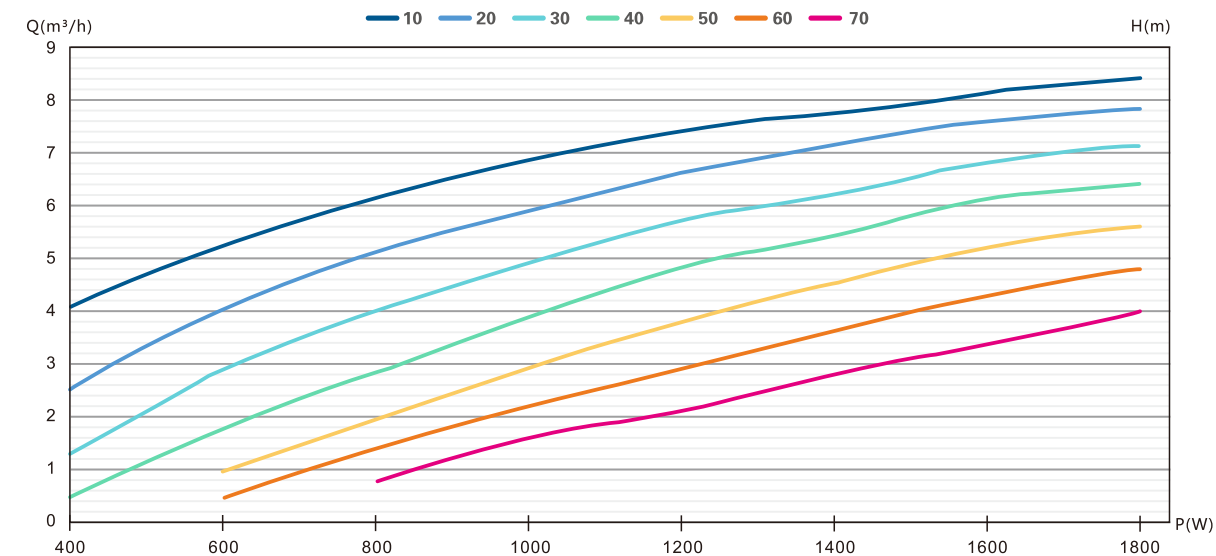
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.25"	4"	2m	330W*2	in series	4DFS3/3



Model		Input Power (W)									
4DFS7.8-73-1100		300	400	500	600	700	800	900	1000	1100	1200
H(m)	Q(m³/h)										
	10	3.5	4.3	5	5.6	6.1	6.5	6.9	7.2	7.4	7.8
	20	1.5	2.3	3.5	4.2	4.8	5.4	5.8	6.2	6.4	6.9
	30	0.3	0.9	1.9	2.6	3.3	4	4.6	5.1	5.3	5.9
	40			0.9	1.5	2.1	2.7	3.2	3.7	4.1	4.7
	50				0.8	1.3	1.7	2.2	2.6	2.8	3.5

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS7.8-73-1100	60-380Vmp(60-440VOC)	90-240VAC	1100W	7.8m³/h	73m

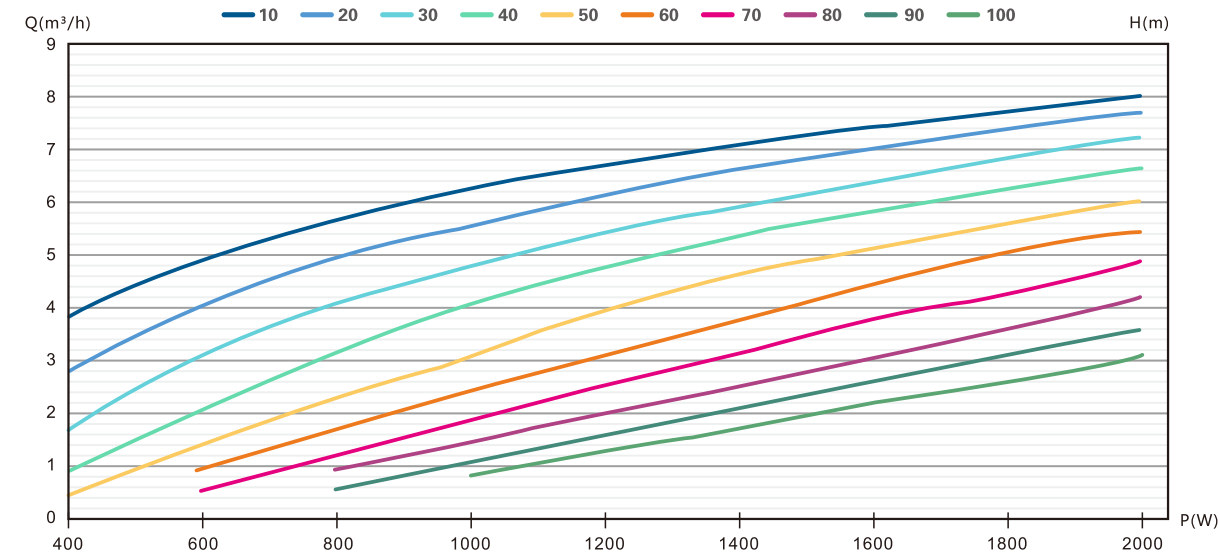
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.25"	4"	2m	330W*4	in series	4DFS3/6



Model		Input Power (W)							
4DFS8.4-97-1500		400	600	800	1000	1200	1400	1600	1800
H(m)	Q(m³/h)								
	10	4.1	5.2	6.1	6.8	7.4	7.7	8.1	8.4
	20	2.6	4.1	5.1	5.9	6.6	7.1	7.6	7.8
	30	1.3	2.9	4	4.9	5.7	6.2	6.8	7.1
	40	0.5	1.8	2.8	3.9	4.8	5.4	6.1	6.4
	50		1	2	2.9	3.8	4.5	5.2	5.6
	60		0.5	1.4	2.2	2.9	3.6	4.3	4.8
	70			0.8	1.6	2.1	2.8	3.4	4

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS8.4-97-1500	60-380Vmp(60-440VOC)	90-240VAC	1500W	8.4m³/h	97m

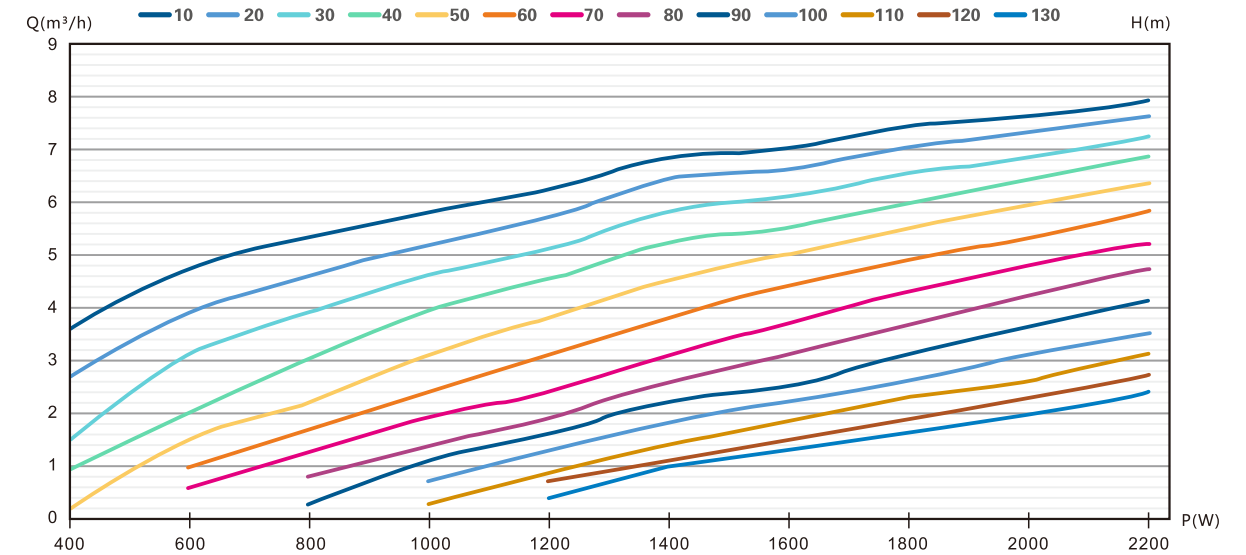
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.25"	4"	2m	330W*6	in series	4DFS3/8



Model		Input Power (W)								
4DFS8.1-133-1800		400	600	800	1000	1200	1400	1600	1800	2000
		Q(m³/h)								
H(m)	10	3.9	4.9	5.6	6.2	6.7	7.1	7.4	7.7	8
	20	2.8	4	4.9	5.5	6.1	6.6	7	7.4	7.7
	30	1.6	3	4	4.7	5.4	5.9	6.4	6.8	7.2
	40	0.9	2	3.1	4	4.7	5.3	5.8	6.2	6.6
	50	0.3	1.3	2.2	3	3.9	4.6	5.1	5.6	6
	60		0.8	1.6	2.3	3	3.7	4.4	5	5.4
	70		0.4	1.1	1.8	2.4	3	3.7	4.2	4.8
	80			0.8	1.3	1.9	2.4	3	3.5	4.1
	90			0.4	1	1.5	2	2.5	3	3.5
100				0.7	1.2	1.6	2.1	2.5	3	

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS8.1-133-1800	60-380Vmp(60-440VOC)	90-240VAC	1800W	8.1m³/h	133m

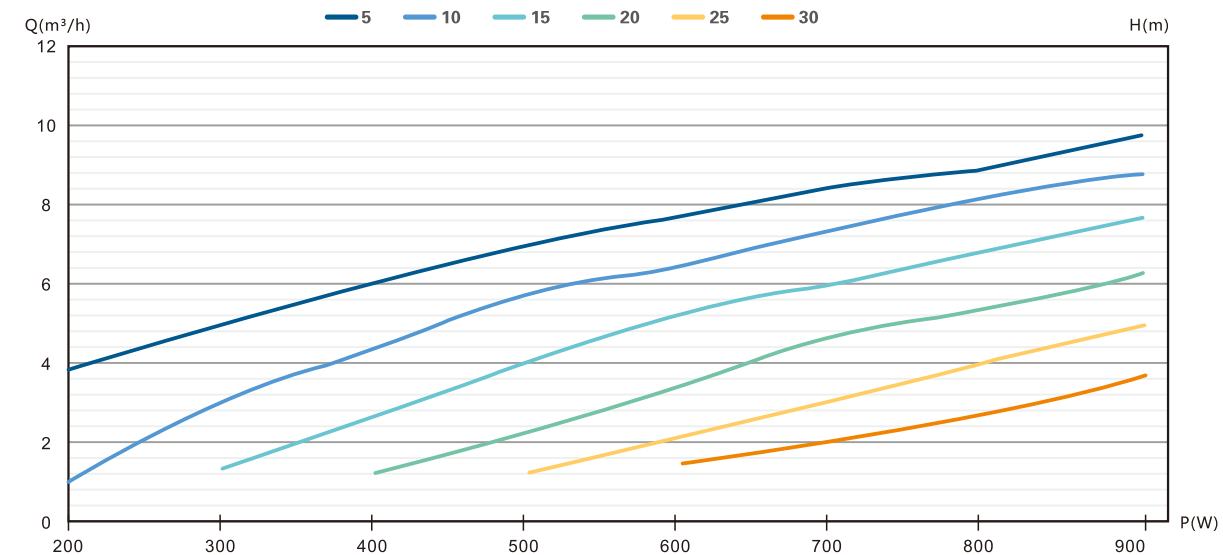
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.25"	4"	2m	330W*7	in series	4DFS3/11



Model		Input Power (W)									
4DFS8-157-2200		400	600	800	1000	1200	1400	1600	1800	2000	2200
		Q(m³/h)									
H(m)	10	3.6	4.7	5.3	5.8	6.2	6.8	7	7.4	7.6	7.9
	20	2.7	3.9	4.6	5.2	5.7	6.4	6.6	7	7.3	7.6
	30	1.5	3.1	3.9	4.6	5.1	5.8	6.1	6.5	6.8	7.2
	40	0.9	2	3	3.9	4.5	5.2	5.5	6	6.4	6.8
	50	0.2	1.5	2.2	3.1	3.8	4.5	5	5.5	5.9	6.3
	60		1	1.7	2.4	3.1	3.8	4.4	4.9	5.3	5.8
	70		0.6	1.2	1.9	2.4	3.1	3.7	4.3	4.8	5.2
	80			0.8	1.4	1.9	2.6	3.1	3.7	4.2	4.7
	90			0.3	1.1	1.6	2.2	2.5	3.1	3.6	4.1
	100				0.7	1.3	1.8	2.2	2.6	3.1	3.5
	110				0.3	0.9	1.4	1.8	2.3	2.6	3.1
	120					0.7	1.1	1.5	1.9	2.3	2.7
	130					0.4	1	1.3	1.6	2	2.4

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS8-157-2200	60-380Vmp(60-440VOC)	90-240VAC	2200W	8m³/h	157m

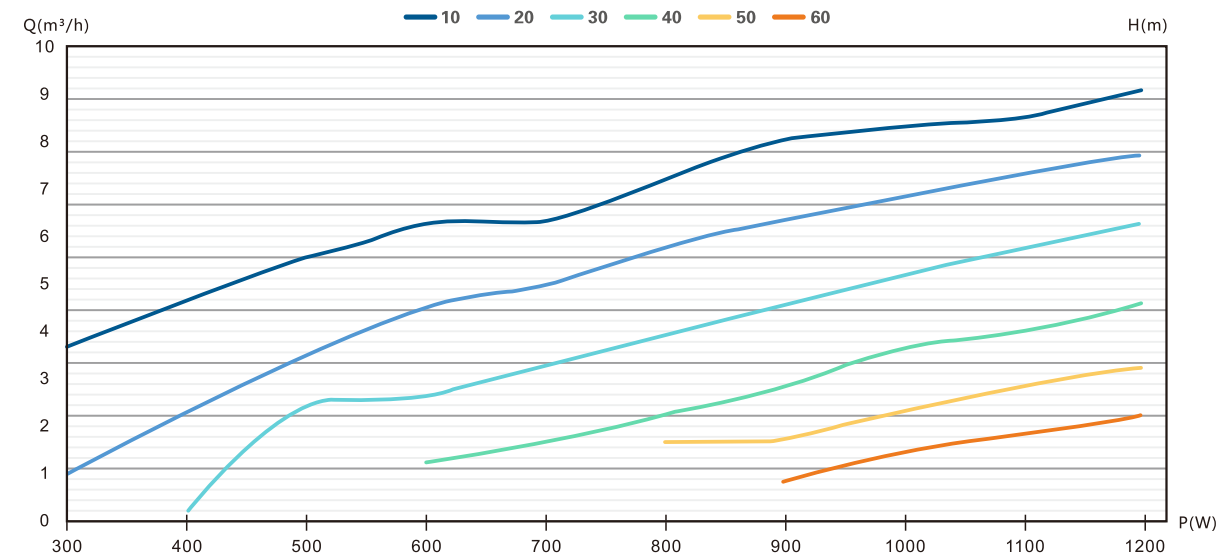
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.25"	4"	2m	330W*8	in series	4DFS3/13



Model		Input Power (W)							
4DFS10.2-40-750		200	300	400	500	600	700	800	900
		Q(m³/h)							
H(m)	5	3.8	4.9	6	6.9	7.6	8.4	8.9	9.7
	10	1	3	4.3	5.7	6.4	7.4	8.1	8.7
	15		1.3	2.6	4	5.2	6	6.9	7.6
	20			1.2	2.2	3.4	4.6	5.3	6.2
	25				1.2	2.1	3	4	4.9
	30					1.4	2	2.7	3.6

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS10.2-40-750	60-380Vmp(60-440VOC)	90-240VAC	750W	10.2m³/h	40m

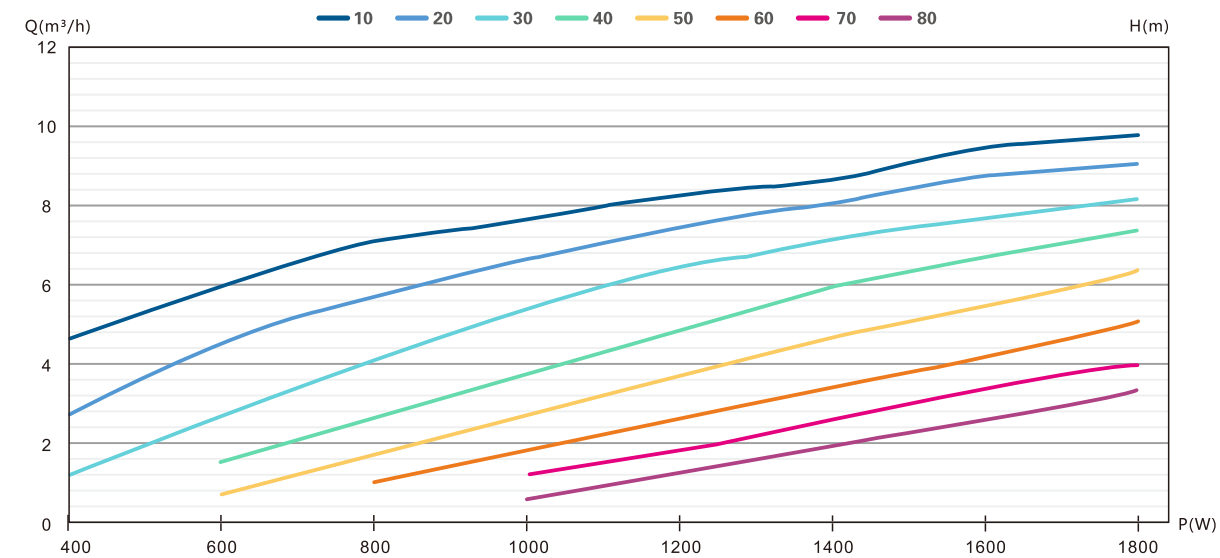
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.25"	4"	2m	330W*3	in series	4DFS5/3



Model		Input Power (W)									
4DFS9.5-77-1100		300	400	500	600	700	800	900	1000	1100	1200
		Q(m³/h)									
H(m)	10	3.6	4.6	5.5	6.4	6.5	7.3	8	8.3	8.5	9.1
	20										
	30		0.2	2.1	2.3	3	3.8	4.5	5.1	5.7	6.2
	40										
	50						1.5	1.6	2.2	2.7	3.1
	60										

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS9.5-77-1100	60-380Vmp(60-440VOC)	90-240VAC	1100W	9.5m³/h	77m

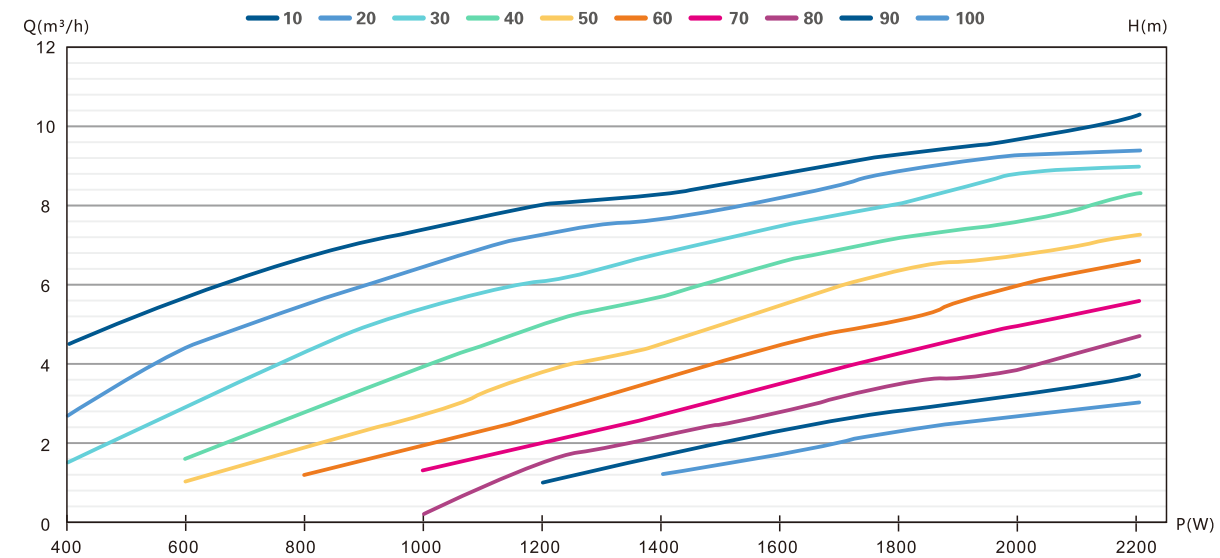
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.5"	4"	2m	330W*4	in series	4DFS5/6



Model		Input Power (W)							
4DFS10-104-1500		400	600	800	1000	1200	1400	1600	1800
		Q(m³/h)							
H(m)	10	4.6	5.9	7	7.6	8.2	8.6	9.4	9.7
	20	2.7	4.5	5.7	6.6	7.4	8	8.7	9
	30	1.2	2.7	4.1	5.3	6.3	7.1	7.6	8.1
	40		1.5	2.6	3.7	4.8	5.9	6.6	7.3
	50		0.7	1.7	2.6	3.6	4.6	5.4	6.3
	60			1	1.8	2.6	3.4	4.1	5
	70				1.2	1.8	2.6	3.3	3.9
	80				0.6	1.2	1.9	2.5	3.3

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS10-104-1500	60-380Vmp(60-440VOC)	90-240VAC	1500W	10m³/h	104m

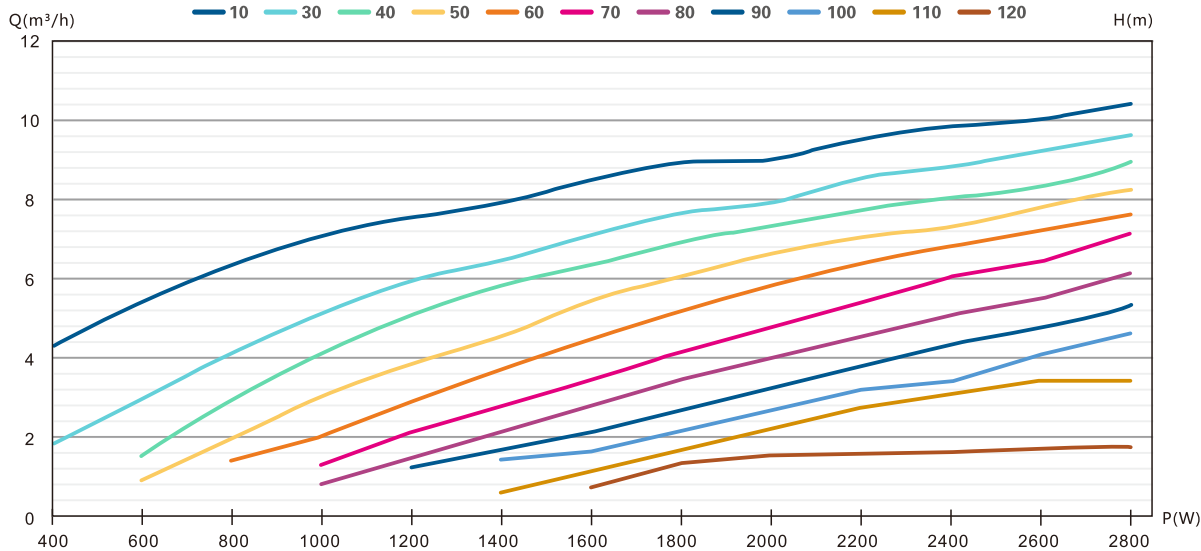
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.5"	4"	2m	330W*6	in series	4DFS5/8



Model		Input Power (W)									
4DFS10.3-129-2200		400	600	800	1000	1200	1400	1600	1800	2000	2200
		Q(m³/h)									
H(m)	10	4.6	5.8	6.7	7.4	8	8.3	8.8	9.3	9.7	10.3
	20	2.7	4.4	5.5	6.5	7.3	7.7	8.2	8.9	9.3	9.4
	30	1.5	2.9	4.3	5.4	6.1	6.8	7.5	8.1	8.8	9
	40		1.6	2.8	3.9	5	5.7	6.6	7.2	7.6	8.3
	50		1	1.9	2.7	3.8	4.5	5.5	6.4	6.8	7.3
	60			1.2	1.9	2.7	3.6	4.5	5.1	6	6.6
	70				1.3	2	2.7	3.5	4.3	5	5.6
	80				0.2	1.5	2.2	2.8	3.5	3.9	4.7
	90					1	1.7	2.3	2.8	3.2	3.7
	100						1.2	1.7	2.3	2.7	3

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS10.3-129-2200	60-380Vmp(60-440VOC)	90-240VAC	2200W	10.3m³/h	129m

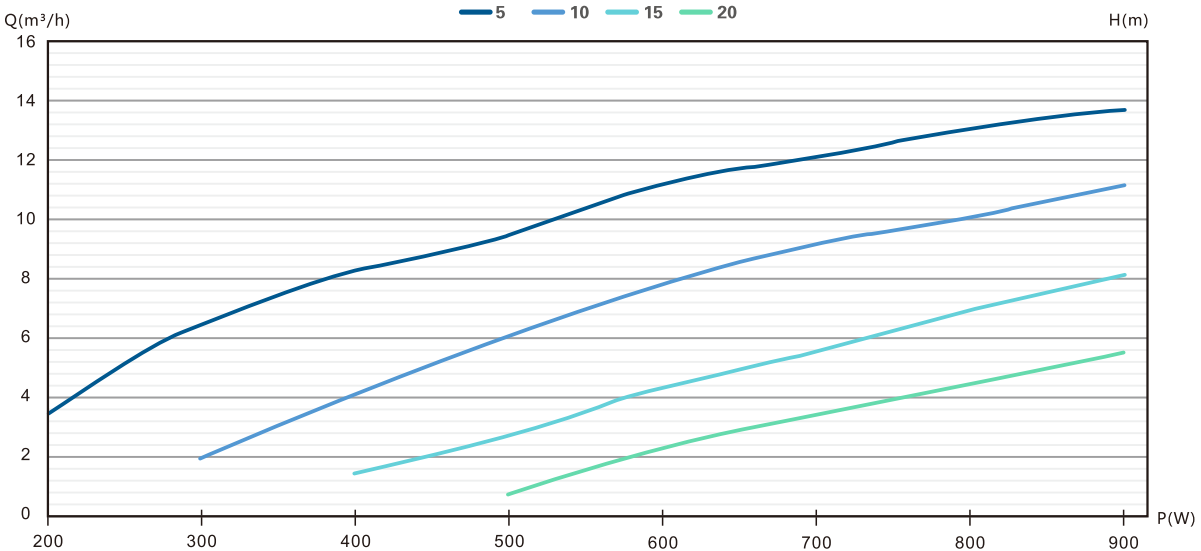
Outlet	Pump size	Cable	PV	Connection mode	Pump body
1.5"	4"	2m	330W*8	in series	4DFS5/10



Model		Input Power (W)												
4DFS10.6-136-2600		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
H(m)	10	4.3	5.4	6.3	7	7.5	7.9	8.5	8.9	9	9.5	9.8	10	10.4
	30	1.8	2.9	4.1	5.1	5.9	6.4	7.1	7.6	7.9	8.5	8.8	9.2	9.6
	40		1.5	2.9	4.1	5	5.8	6.3	6.9	7.3	7.7	8	8.3	8.9
	50			0.9	1.9	3	3.8	4.5	5.4	6	6.6	7	7.3	7.8
	60				1.4	2	2.9	3.7	4.4	5.1	5.7	6.3	6.8	7.1
	70					1.3	2.1	2.7	3.4	4.1	4.7	5.3	6	6.4
	80						0.8	1.5	2.1	2.7	3.4	3.9	4.5	5.1
	90							1.2	1.7	2.1	2.7	3.2	3.8	4.3
	100								1.4	1.6	2.1	2.6	3.2	3.4
	110									0.6	1.1	1.6	2.1	2.7
	120										0.7	1.3	1.5	1.5

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS10.6-136-2600	60-380Vmp(60-440VOC)	90-240VAC	2600W	10.6m³/h	136m

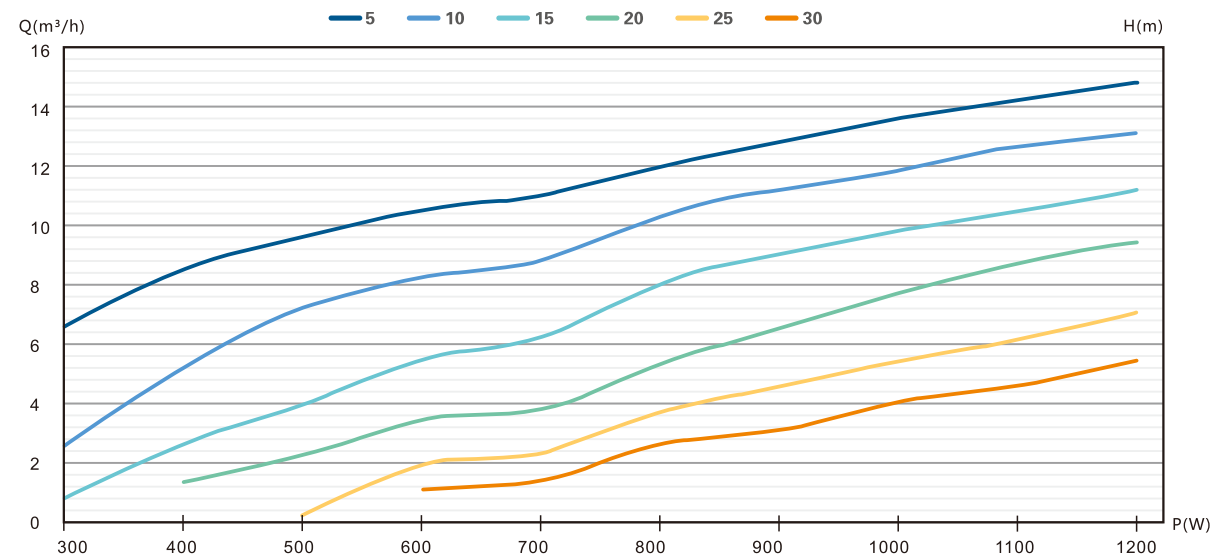
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2"	4"	2m	330W*9	in series	4DFS5/12



Model		Input Power (W)							
4DFS14.3-26-750		200	300	400	500	600	700	800	900
H(m)	5	3.5	6.5	8.3	9.5	11.2	12.1	13.1	13.7
	10		2	4.1	6.1	7.8	9.2	10.1	11.2
	15			1.5	2.8	4.4	5.6	7	8.2
	20				0.8	2.4	3.4	4.5	5.5

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS14.3-26-750	60-380Vmp(60-440VOC)	90-240VAC	750W	14.3m³/h	26m

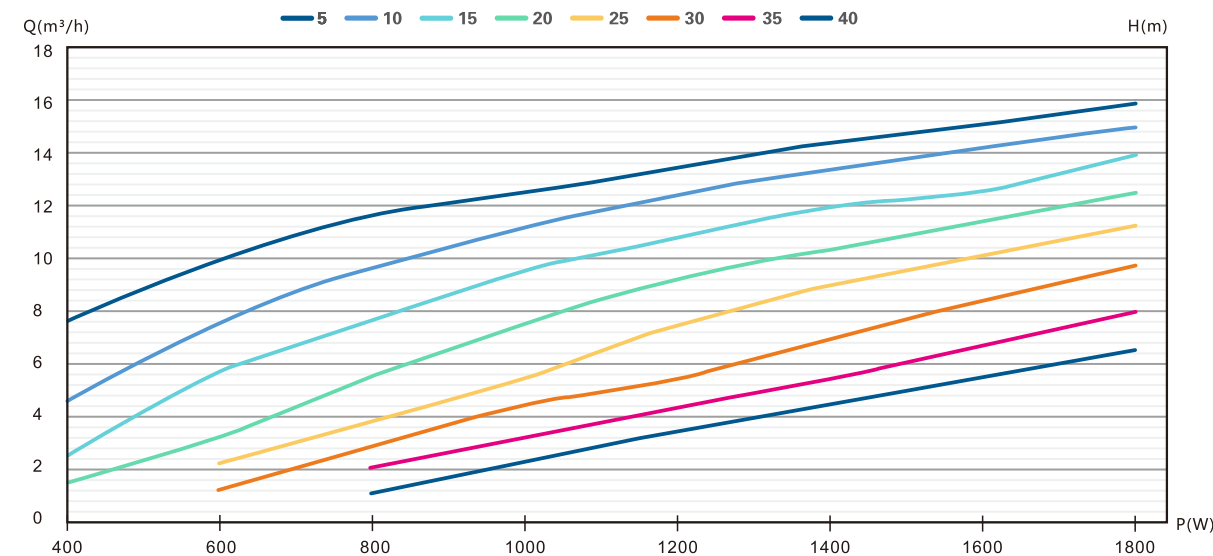
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2"	4"	2m	330W*3	in series	4DFS8/2



Model		Input Power (W)									
4DFS15-38-1100		300	400	500	600	700	800	900	1000	1100	1200
		Q(m³/h)									
H(m)	5	6.6	8.5	9.6	10.5	11	12	12.8	13.6	14.2	14.8
	10	2.6	5.2	7.2	8.2	8.8	10.3	11.2	11.8	12.6	13.1
	15	0.8	2.6	3.9	5.4	6.2	8	9.1	9.8	10.4	11.2
	20		1.3	2.2	3.4	3.8	5.3	6.5	7.7	8.7	9.4
	25			0.2	1.9	2.3	3.7	4.5	5.4	6.1	7
	30				1.1	1.4	2.6	3.1	4	4.6	5.4

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS15-38-1100	60-380Vmp(60-440VOC)	90-240VAC	1100W	15m³/h	38m

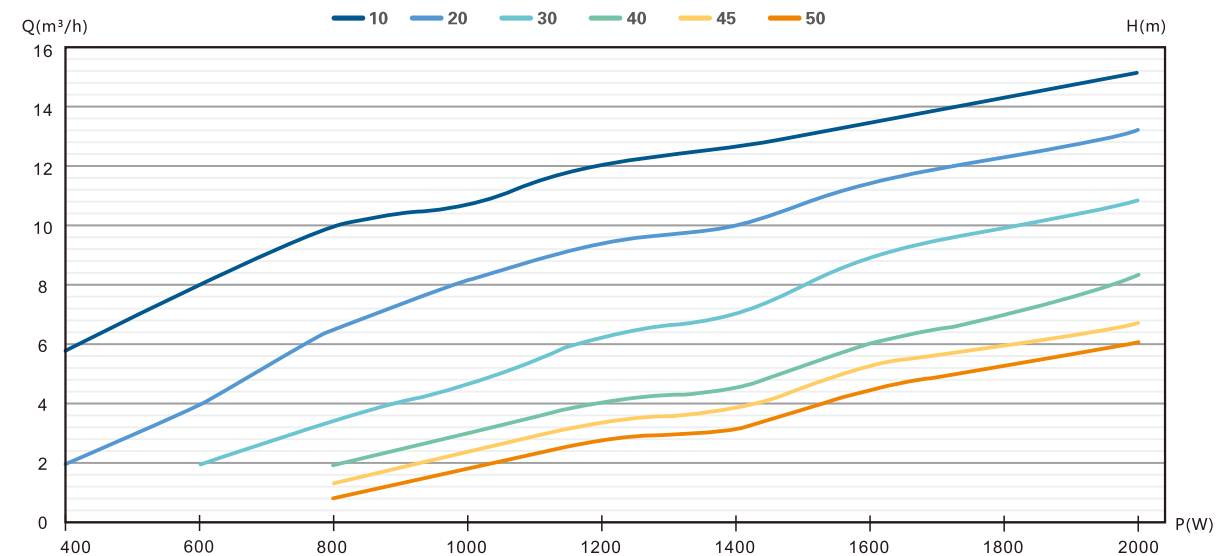
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2"	4"	2m	330W*4	in series	4DFS8/3



Model		Input Power (W)							
4DFS16.4-51-1500		400	600	800	1000	1200	1400	1600	1800
		Q(m³/h)							
H(m)	5	7.7	10	11.6	12.5	13.5	14.4	15.1	15.9
	10	4.7	7.6	9.7	11.2	12.4	13.4	14.3	15
	15	2.6	5.7	7.7	9.6	10.8	12	12.6	13.9
	20	1.6	3.3	5.6	7.6	9.3	10.4	11.5	12.5
	25		2.3	3.9	5.5	7.5	9	10.2	11.3
	30		1.3	2.9	4.5	5.5	7	8.5	9.8
	35			2.1	3.3	4.4	5.5	6.8	8
	40			1.2	2.4	3.5	4.5	5.6	6.6

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS16.4-51-1500	60-380Vmp(60-440VOC)	90-240VAC	1500W	16.4m³/h	51m

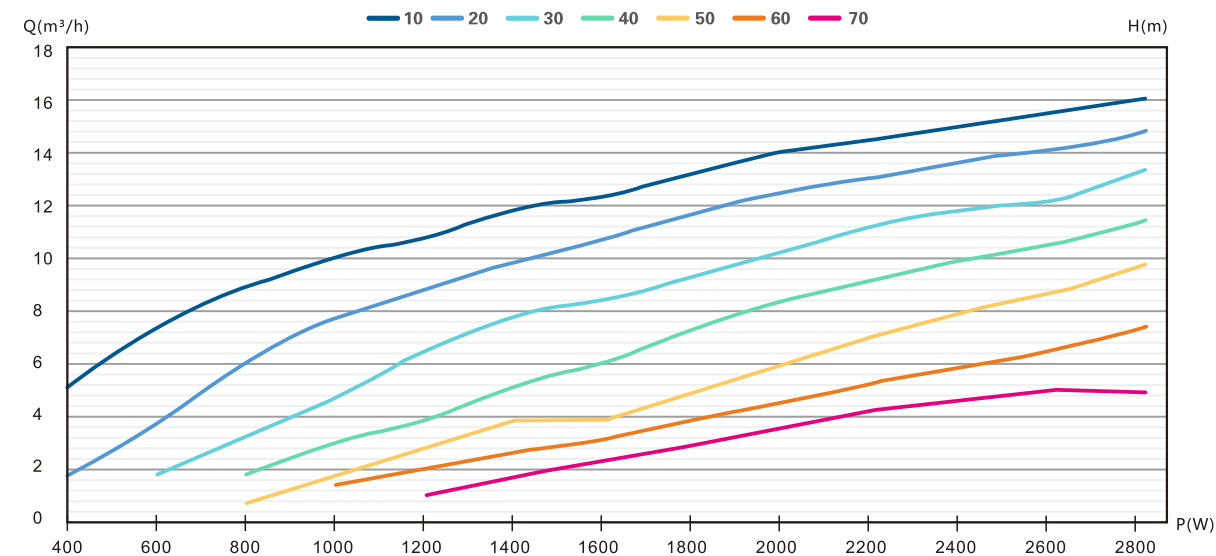
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2"	4"	2m	330W*6	in series	4DFS8/4



Model		Input Power (W)								
4DFS16.1-63-1800		400	600	800	1000	1200	1400	1600	1800	2000
		Q(m³/h)								
H(m)	10	5.7	8	9.9	10.7	12	12.6	13.5	14.3	15.1
	20	1.9	3.9	6.5	8.1	9.4	10	11.4	12.2	13.2
	30		1.9	3.4	4.6	6.2	7	8.9	9.9	10.8
	40			1.9	2.9	4	4.5	6	6.9	8.3
	45			1.3	2.3	3.3	3.8	5.2	5.9	6.7
	50			0.8	1.8	2.7	3.1	4.4	5.2	6

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS16.1-63-1800	60-380Vmp(60-440VOC)	90-240VAC	1800W	16.1m³/h	63m

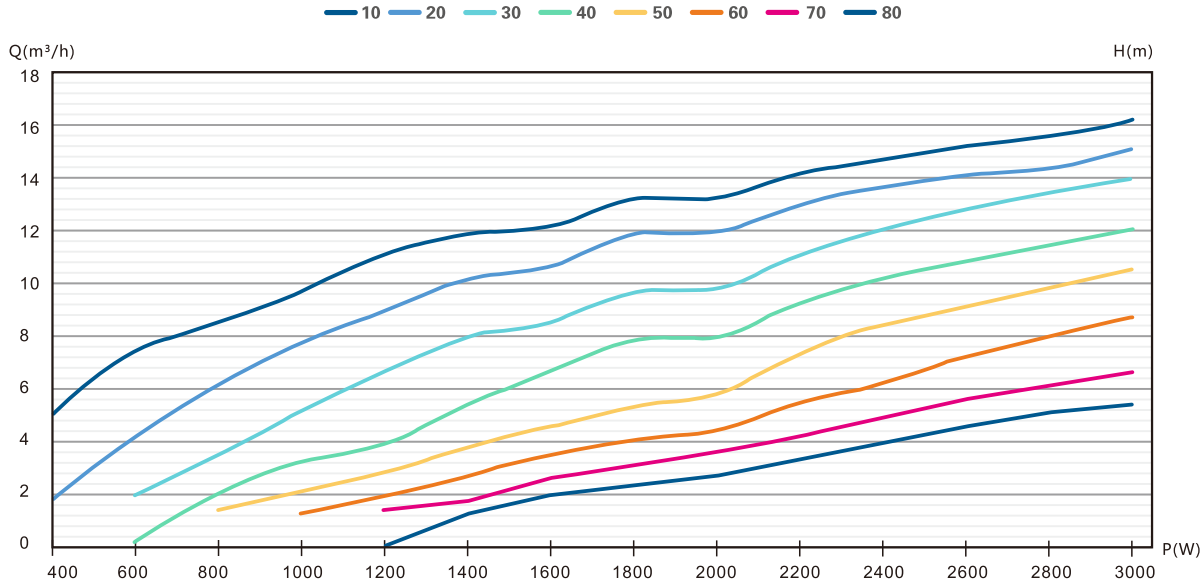
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2"	4"	2m	330W*7	in series	4DFS8/5



Model		Input Power (W)												
4DFS16.8-81-2600		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
		Q(m³/h)												
H(m)	10	5.2	7.5	9	10.2	10.9	12	12.5	13.4	14.2	14.7	15.3	15.8	16.2
	20	1.8	3.8	6.2	7.9	9	10.1	10.9	11.9	12.7	13.2	13.9	14.3	15
	30		1.9	3.4	4.8	6.6	7.9	8.6	9.5	10.4	11.4	12	12.4	13.5
	40			1.9	3.1	4	5.3	6.2	7.5	8.5	9.3	10.1	10.7	11.6
	50			0.8	1.9	2.9	3.9	4	5.2	6.1	7.2	8.1	8.8	9.9
	60				1.5	2	2.7	3.2	4	4.6	5.4	6	6.6	7.5
	70					1.1	1.8	2.4	3	3.6	4.3	4.7	5.1	5

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS16.8-81-2600	60-380Vmp(60-440VOC)	90-240VAC	2600W	16.8m³/h	81m

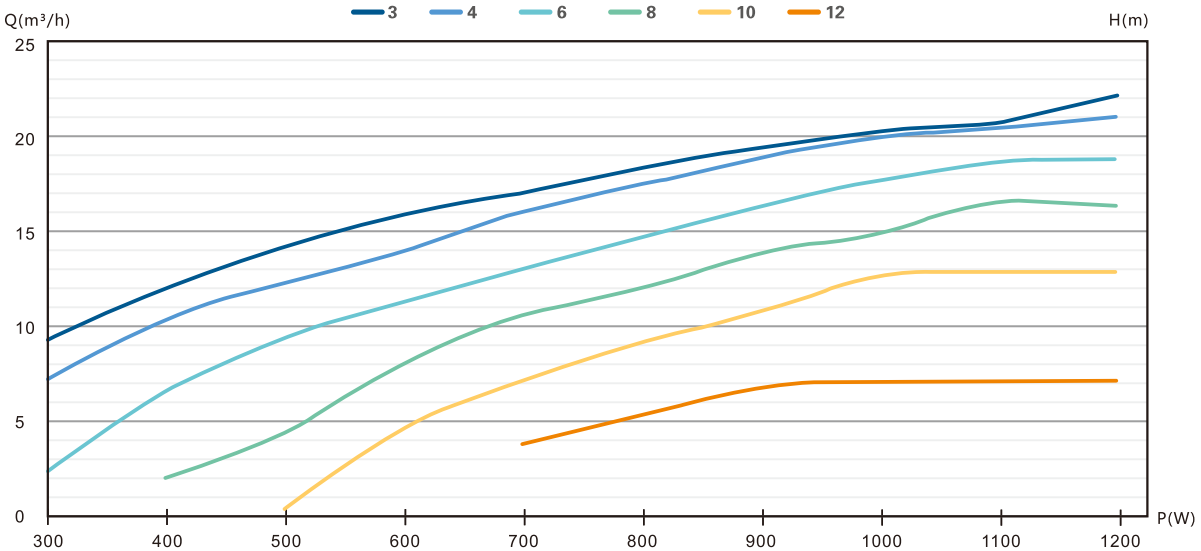
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2"	4"	2m	330W*9	in series	4DFS8/7



Model		Input Power (W)													
4DFS16.7-98-3000		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
		Q(m³/h)													
H(m)	10	5.1	7.4	8.5	9.7	11	11.8	12.1	13.1	13.2	14.1	14.6	15.1	15.5	16.1
	20	1.9	4.2	6.1	7.7	8.9	10.1	10.6	11.8	11.9	12.9	13.6	14	14.3	15
	30		2	3.4	5.1	6.6	7.9	8.5	9.6	9.7	11	12	12.7	13.3	13.9
	40		0.2	2	3.2	3.9	5.4	6.6	7.8	7.9	9.2	10.1	10.8	11.5	12
	50			1.4	2.2	2.8	3.8	4.5	5.3	5.8	7.3	8.4	9.1	9.7	10.5
	60				1.3	1.9	2.7	3.5	4	4.4	5.4	6.2	7.2	8	8.7
	70					1.4	1.8	2.6	3.1	3.6	4.2	4.9	5.6	6.1	6.6
	80						1.2	1.9	2.3	2.7	3.3	4	4.6	5.1	5.4

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS16.7-98-3000	60-380Vmp(60-440VOC)	90-240VAC	3000W	16.7m³/h	98m

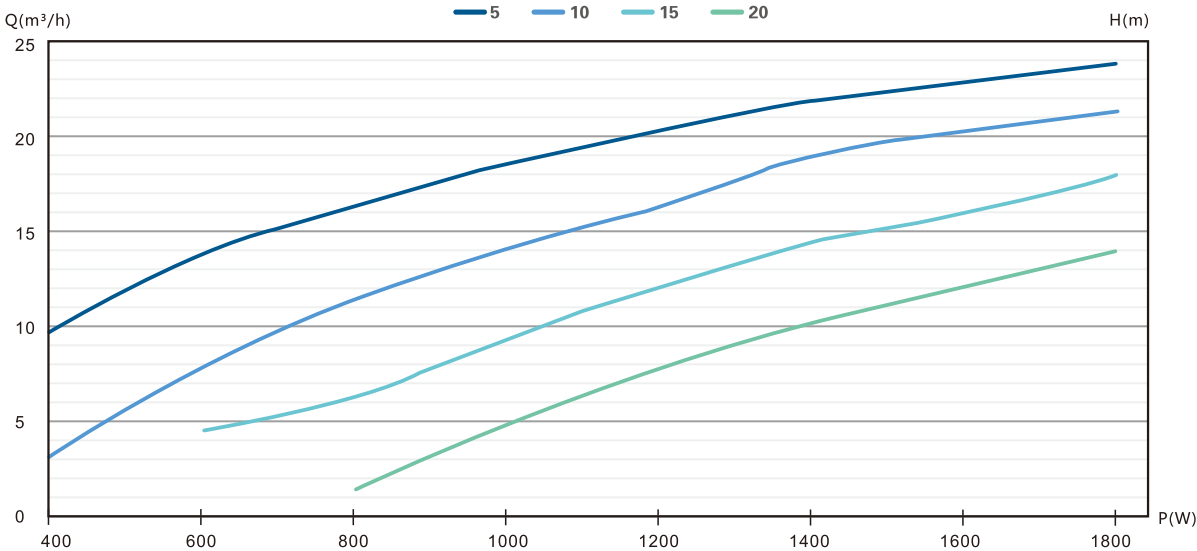
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2"	4"	2m	330W*9	in series	4DFS8/8



Model		Input Power (W)									
4DFS22-12-1100		300	400	500	600	700	800	900	1000	1100	1200
		Q(m³/h)									
H(m)	3	9.3	11.9	14.1	15.8	17	18.3	19.3	20.2	20.6	22
	4	7.2	10.3	12.3	13.9	16	17.4	18.8	19.9	20.4	21
	6	2.4	6.6	9.3	11.2	13	14.7	16.3	17.6	18.6	18.8
	8		2	4.4	8	10.5	11.9	13.8	14.8	16.5	16.3
	10			0.4	4.6	7.1	9.1	10.7	12.6	12.9	12.8
	12					3.8	5.3	6.7	7.1	7.1	7.1

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS22-12-1100	60-380Vmp(60-440VOC)	90-240VAC	1100W	22m³/h	12m

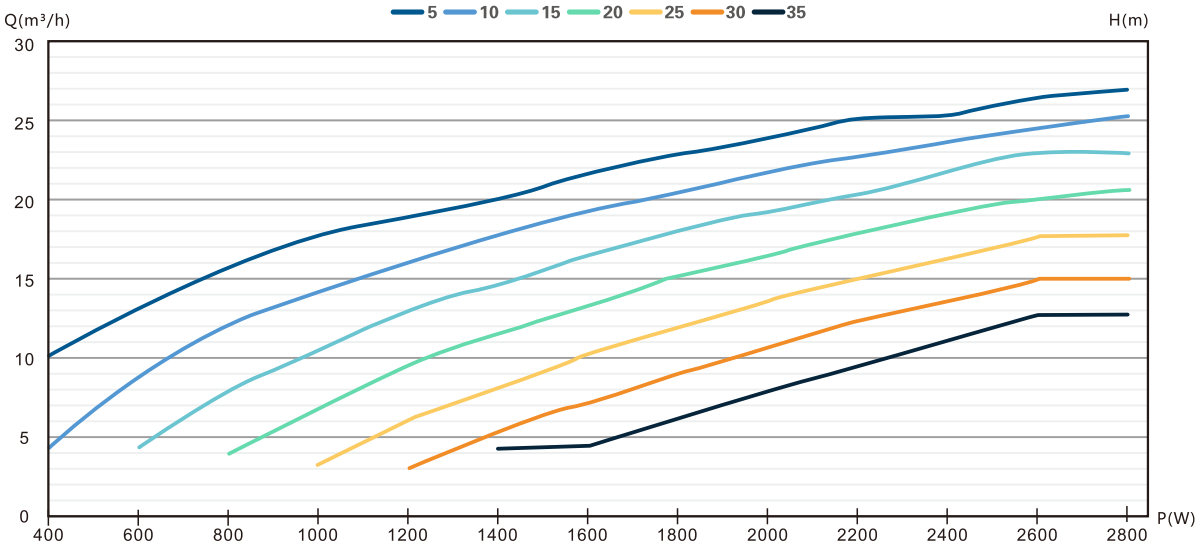
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2"	4"	2m	330W*4	in series	4DFS14/1



Model		Input Power (W)							
4DFS24.1-27-1500		400	600	800	1000	1200	1400	1600	1800
		Q(m³/h)							
H(m)	5	9.9	13.8	16.1	18.4	20.2	21.7	22.7	23.7
	10	3.2	7.8	11.3	14	16.2	18.8	20.1	21.2
	15		4.5	6.2	9.4	12	14.3	15.8	17.8
	20			1.4	4.9	7.6	10	12.2	13.9

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS24.1-27-1500	60-380Vmp(60-440VOC)	90-240VAC	1500W	24.1m³/h	27m

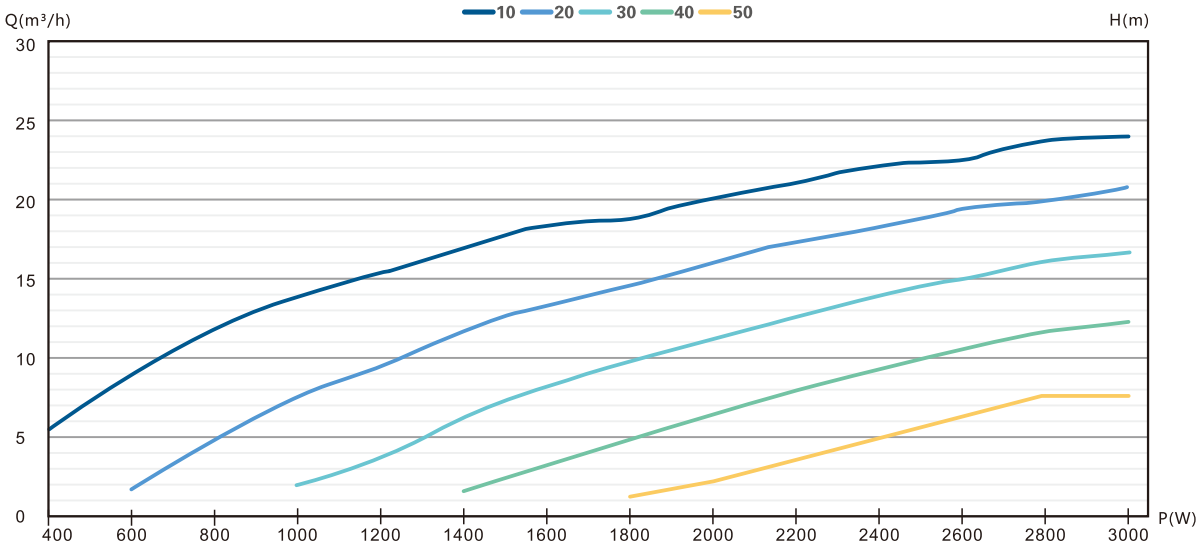
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2"	4"	2m	330W*6	in series	4DFS14/2



Model		Input Power (W)													
4DFS27-38-2600		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	
		Q(m³/h)													
H(m)	5	10	13.1	15.6	17.6	18.8	20	21.5	22.8	23.7	24.8	25.1	26.3	27	
	10	4.3	8.8	12	14.1	16	17.7	19.2	20.3	21.7	22.7	23.6	24.5	25.2	
	15		4.3	7.8	10.4	12.9	14.5	16.4	18	19.2	20.2	21.7	22.9	22.9	
	20			3.8	6.7	9.4	11.5	13.2	15.1	16.4	17.9	19.1	20.1	20.6	
	25				3.2	6	8	10.2	11.9	13.6	15	16.2	17.6	17.7	
	30					3	5.3	7.2	8.9	10.8	12.3	13.5	15	15	
	35						4.2	4.4	6.2	7.9	9.4	11.1	12.6	12.6	

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS27-38-2600	60-380Vmp(60-440VOC)	90-240VAC	2600W	27m³/h	38m

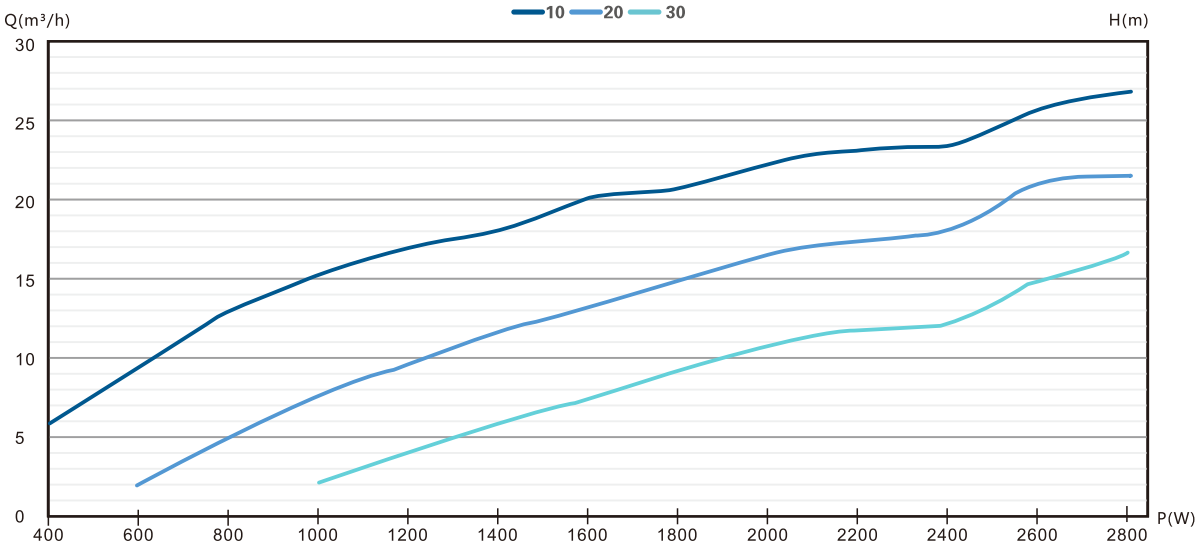
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2"	4"	2m	330W*9	in series	4DFS14/3



Model		Input Power (W)													
4DFS25.5-52-3000		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
		Q(m³/h)													
H(m)	10	5.4	8.8	11.9	13.9	15.3	16.9	18.4	18.9	20.1	21.1	22.2	22.6	23.7	24
	20		1.7	4.8	7.5	9.4	11.7	13.4	14.6	16.1	17.4	18.3	19.4	20	20.8
	30				1.9	3.7	6.1	8.2	9.7	11	12.6	14	15	16.1	16.7
	40						1.6	3.4	4.9	6.4	7.9	9.3	10.6	11.7	12.3
	50								1.2	2.2	3.7	5.1	6.4	7.6	7.6

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4DFS25.5-52-3000	60-380Vmp(60-440VOC)	90-240VAC	3000W	25.5m³/h	52m

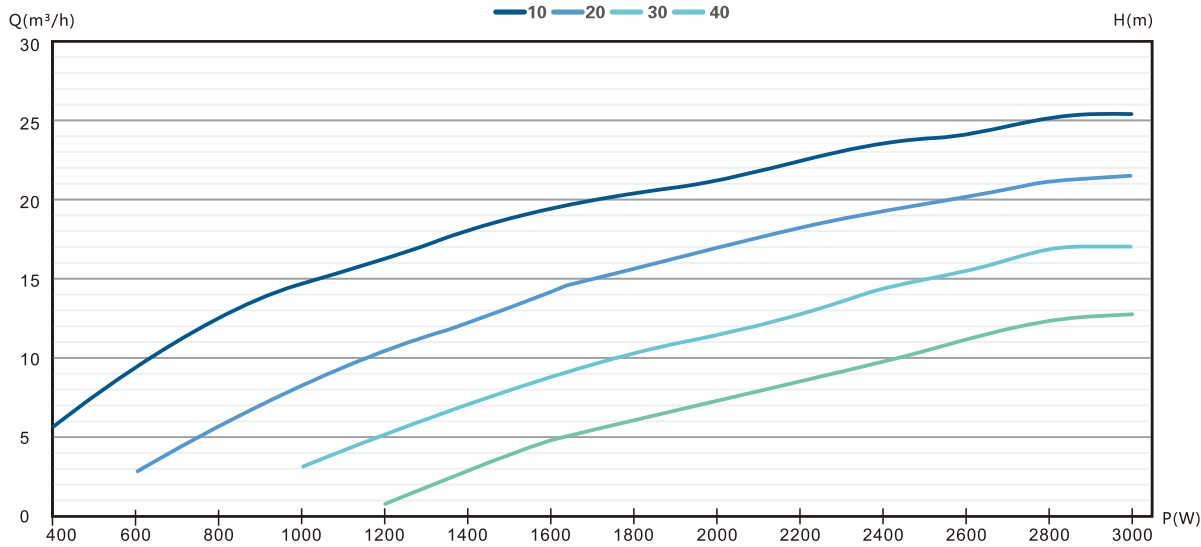
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2"	4"	2m	330W*9	in series	4DFS14/4



Model		Input Power (W)												
4/5DFS28.2-58-2600		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
		Q(m³/h)												
H(m)	10	5.7	9.3	12.9	15.1	17	18	20	20.8	22.3	23.2	23.5	25.8	26.9
	20		1.9	4.9	7.5	9.6	11.6	13.3	14.9	16.5	17.4	18.2	21	21.6
	30				2	4	5.8	7.4	9.2	10.7	11.8	12.2	14.9	16.5

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/5DFS28.2-58-2600	60-380Vmp(60-440VOC)	90-240VAC	2600W	28.2m³/h	58m

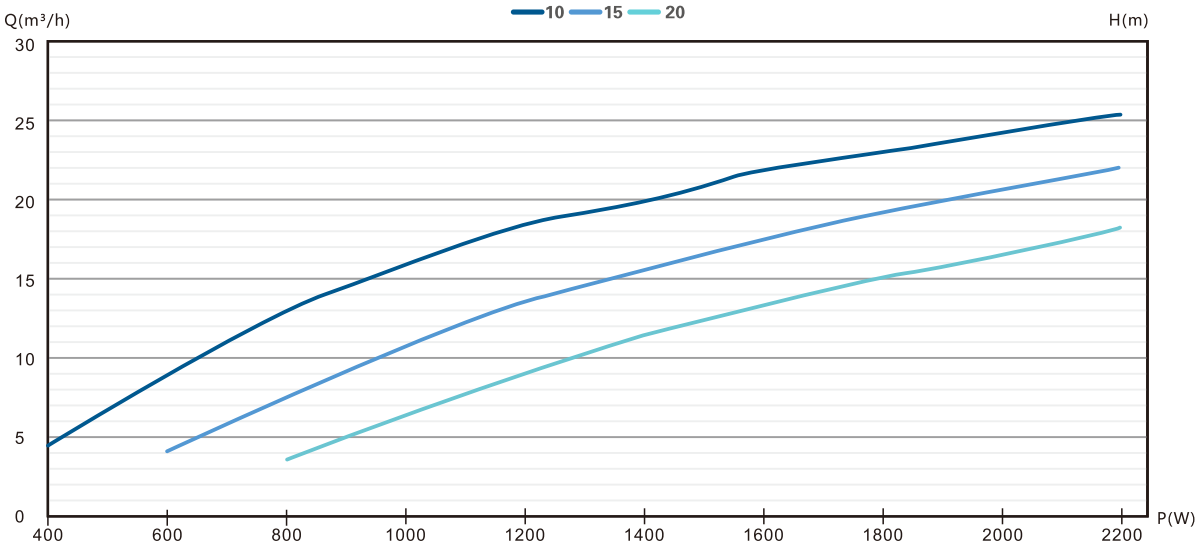
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2.5"	5"	2m	330W*9	in series	5DFS10/3



Model		Input Power (W)													
4/5DFS26.5-81-3000		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
		Q(m³/h)													
H(m)	10	5.6	9.5	12.5	14.7	16.2	18	19.4	20.4	21.2	22.4	23.5	24.1	25.1	25.4
	20		2.7	5.7	8.2	10.3	12.2	14.2	15.6	16.8	18.1	19.3	20.1	21	21.5
	30				3.1	5.2	7.1	8.7	10.2	11.4	12.8	14.3	15.4	16.8	17.1
	40					0.8	2.9	4.7	6	7.3	8.5	9.7	11.1	12.4	12.8

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/5DFS26.5-81-3000	60-380Vmp(60-440VOC)	90-240VAC	3000W	26.5m³/h	81m

Outlet	Pump size	Cable	PV	Connection mode	Pump body
2.5"	5"	2m	330W*9	in series	5DFS10/4

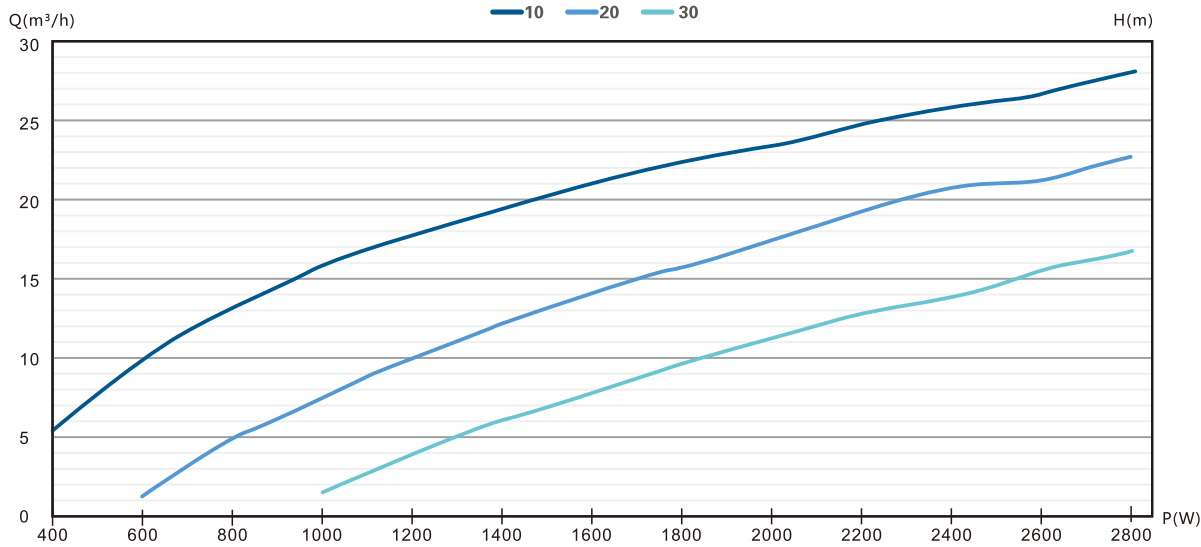


Model		Input Power (W)									
4/5DFS28-44-2200		400	600	800	1000	1200	1400	1600	1800	2000	2200
		Q(m³/h)									
H(m)	10	4.3	8.9	12.9	15.9	18.4	19.9	21.8	23	24.3	25.4
	15		3.9	7.3	10.6	13.4	15.7	17.4	19.2	20.6	22
	20			3.5	6.4	8.8	11.3	13.3	15	16.5	18.2

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/5DFS28-44-2200	60-380Vmp(60-440VOC)	90-240VAC	2200W	28m³/h	44m

Outlet	Pump size	Cable	PV	Connection mode	Pump body
2.5"	5"	2m	330W*8	in series	5DFS15/2

5DFS 15/3

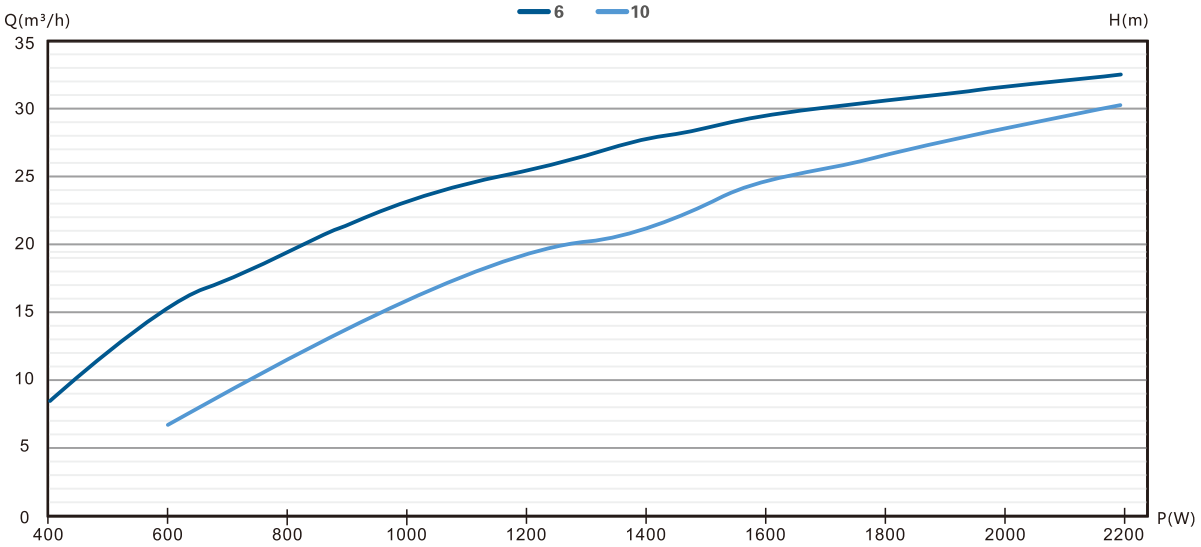


Model		Input Power (W)												
4/5DFS28.5-59-2600		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
		Q(m³/h)												
H(m)	10	5.2	9.7	12.9	15.6	17.6	19.2	20.9	22.3	23.3	24.5	25.6	26.5	27.9
	20		1.1	4.7	7.3	9.9	12	14	15.6	17.4	19	20.6	21.1	22.5
	30				1.3	3.7	5.9	7.7	9.4	11	12.7	13.7	15.4	16.6

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/5DFS28.5-59-2600	60-380Vmp(60-440VOC)	90-240VAC	2600W	28.5m³/h	59m

Outlet	Pump size	Cable	PV	Connection mode	Pump body
2.5"	5"	2m	330W*9	in series	5DFS15/3

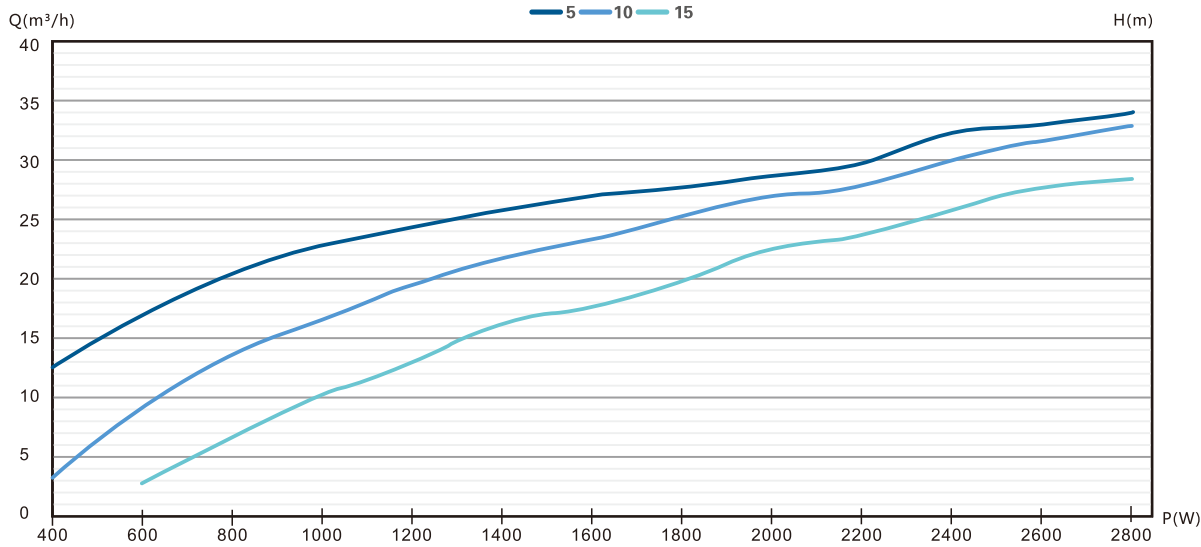
5DFS 20/1



Model		Input Power (W)									
4/5DFS32.5-22-2200		400	600	800	1000	1200	1400	1600	1800	2000	2200
		Q(m³/h)									
H(m)	6	8.5	15.2	19.3	23	25.3	27.5	29.3	30.4	31.4	32.4
	10		6.6	11.4	15.7	19.2	21.1	24.4	26.4	28.2	30.2

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/5DFS32.5-22-2200	60-380Vmp(60-440VOC)	90-240VAC	2200W	32.5m³/h	22m

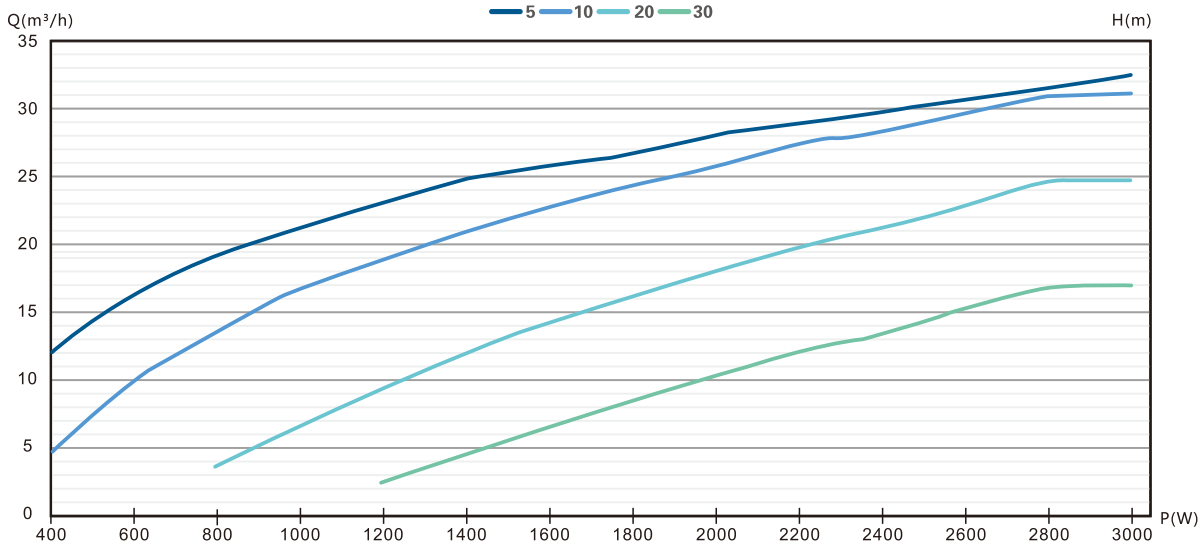
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2.5"	5"	2m	330W*8	in series	5DFS20/1



Model		Input Power (W)												
4/5DFS33.8-41-2600		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
		Q(m³/h)												
H(m)	5	12.3	16.8	20.2	22.5	24.2	25.5	26.8	27.5	28.5	29.5	32.1	32.8	33.8
	10	3	9	13.3	16.3	19.3	21.5	23.1	25.1	26.7	27.6	29.8	31.4	32.6
	15		2.6	6.4	10	12.7	15.9	17.5	19.6	22.3	23.5	25.6	27.4	28.2

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/5DFS33.8-41-2600	60-380Vmp(60-440VOC)	90-240VAC	2600W	33.8m³/h	41m

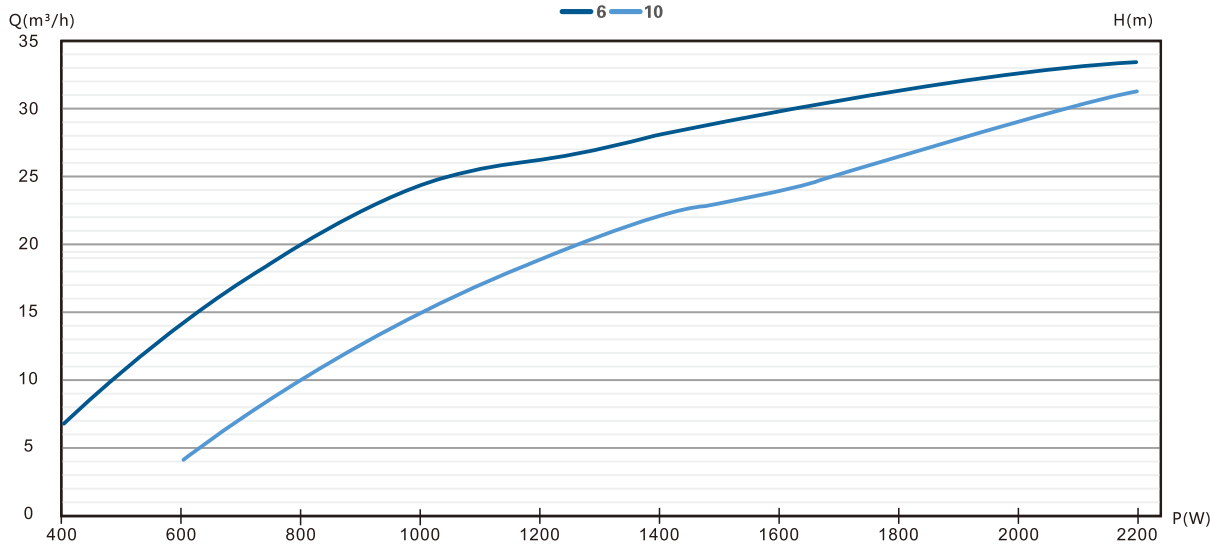
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2.5"	5"	2m	330W*9	in series	5DFS20/2



Model		Input Power (W)													
4/5DFS32.5-64-3000		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
		Q(m³/h)													
H(m)	5	12	16.3	19.1	21.1	23.1	24.8	25.8	26.7	28.1	28.9	29.8	30.7	31.6	32.5
	10	4.5	9.8	13.5	16.7	18.9	20.9	22.8	24.3	25.8	27.4	28.3	29.7	30.9	31.1
	20			3.6	6.6	9.2	11.9	14.3	16.2	18	19.7	21.3	22.8	24.6	24.7
	30					2.4	4.6	6.6	8.4	10.2	12.1	13.4	15.3	16.8	17

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/5DFS32.5-64-3000	60-380Vmp(60-440VOC)	90-240VAC	3000W	32.5m³/h	64m

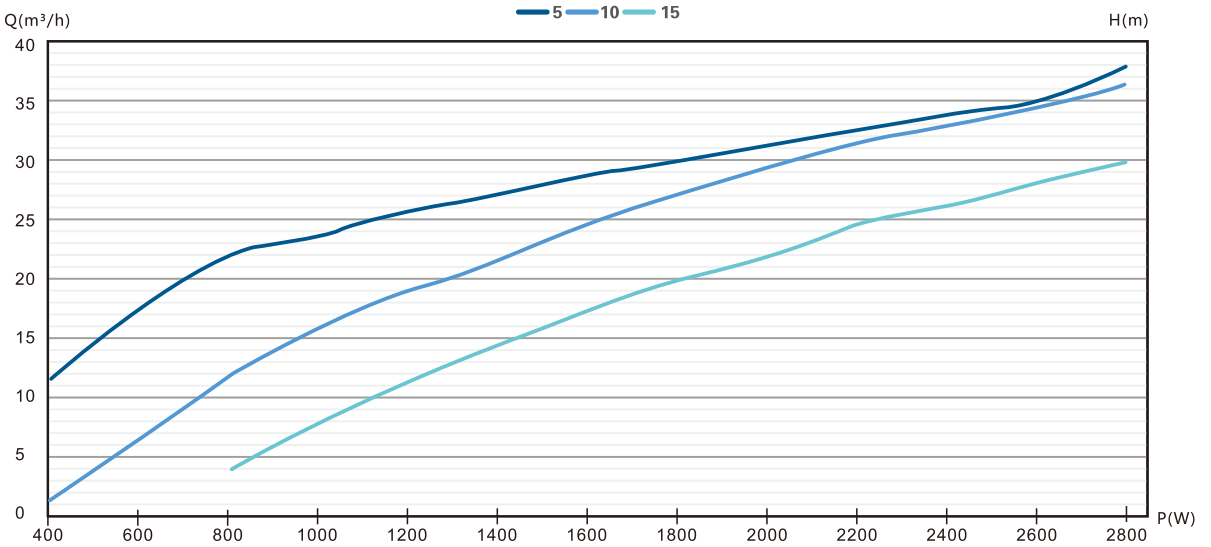
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2.5"	5"	2m	330W*9	in series	5DFS20/3



Model		Input Power (W)									
4/5DFS33.5-21-2200		400	600	800	1000	1200	1400	1600	1800	2000	2200
		Q(m³/h)									
H(m)	6	6.7	14.1	19.8	24.3	26.1	27.9	29.7	31.2	32.4	33.3
	10		4.1	10	14.8	18.7	22	23.8	26.3	28.9	31.1

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/5DFS33.5-21-2200	60-380Vmp(60-440VOC)	90-240VAC	2200W	33.5m³/h	21m

Outlet	Pump size	Cable	PV	Connection mode	Pump body
2.5"	5"	2m	330W*8	in series	5DFS25/1

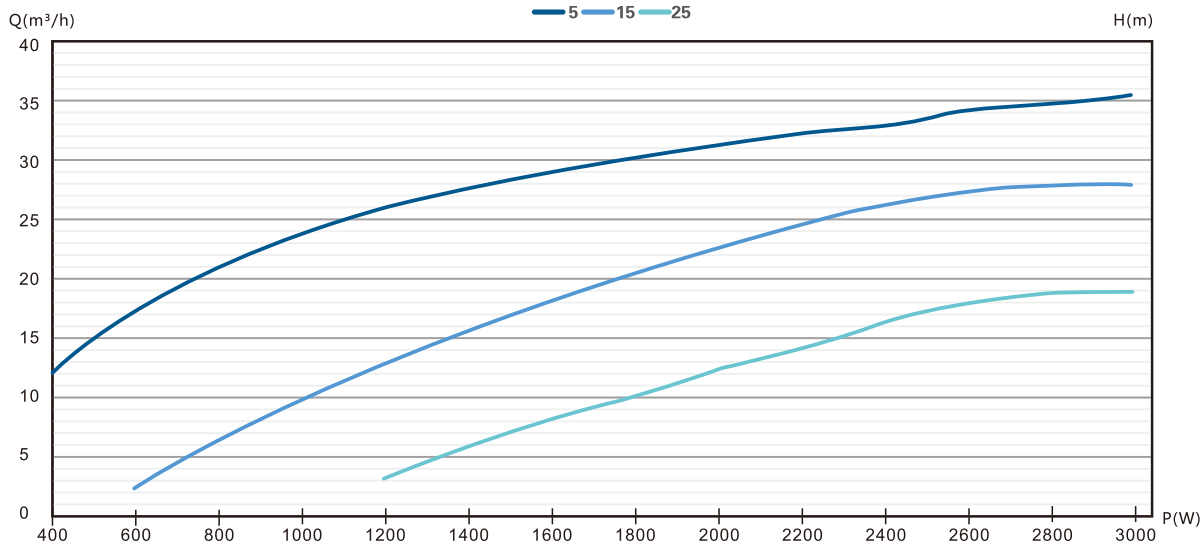


Model		Input Power (W)												
4/5DFS38-39-2600		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
		Q(m³/h)												
H(m)	5	11.5	17.5	22.1	23.7	25.8	27.2	28.8	29.9	31.4	32.6	34	35	38
	10	1.2	6.5	11.9	15.9	19	21.8	24.6	27.2	29.4	31.6	33	34.5	36.5
	15			3.9	8	11.4	14.4	17.4	20	21.8	24.6	26.2	28.2	29.8

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/5DFS38-39-2600	60-380Vmp(60-440VOC)	90-240VAC	2600W	38m³/h	39m

Outlet	Pump size	Cable	PV	Connection mode	Pump body
2.5"	5"	2m	330W*9	in series	5DFS25/2

5DFS 25/3

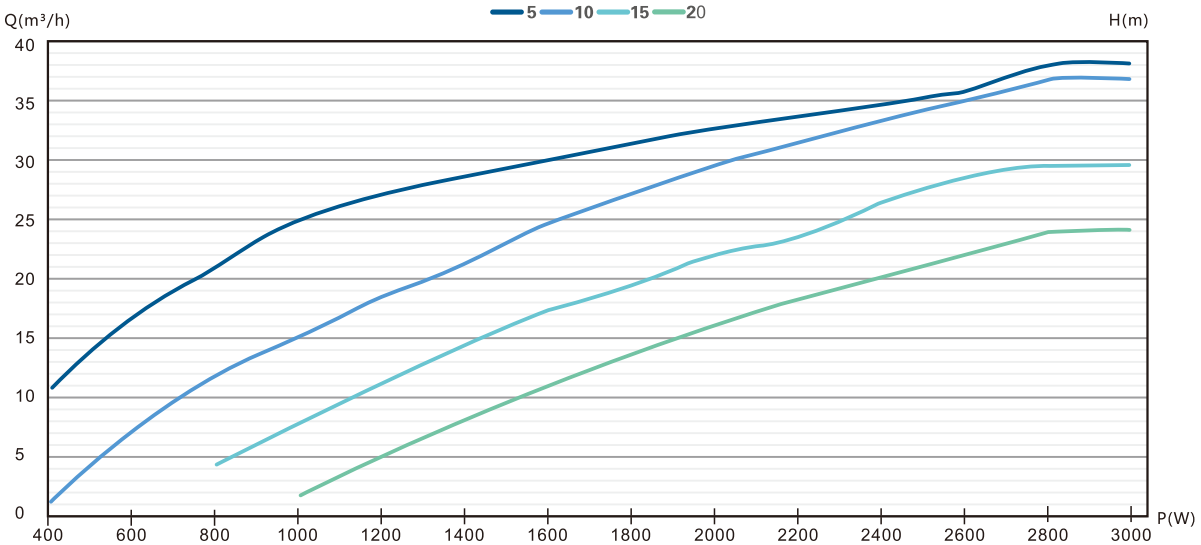


Model		Input Power (W)													
4/5DFS35.8-54-3000		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
		Q(m³/h)													
H(m)	5	11.9	17.2	20.7	23.7	25.9	27.6	28.9	30.1	31.2	32.2	32.8	34.1	34.6	35.5
	15		2.2	6	9.8	12.9	15.7	18	20.3	22.5	24.4	26	27.3	27.8	27.9
	25					3	5.7	8	9.9	12.2	14	16.1	17.8	18.7	18.8

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/5DFS35.8-54-3000	60-380Vmp(60-440VOC)	90-240VAC	3000W	35.8m³/h	54m

Outlet	Pump size	Cable	PV	Connection mode	Pump body
2.5"	5"	2m	330W*9	in series	5DFS25/3

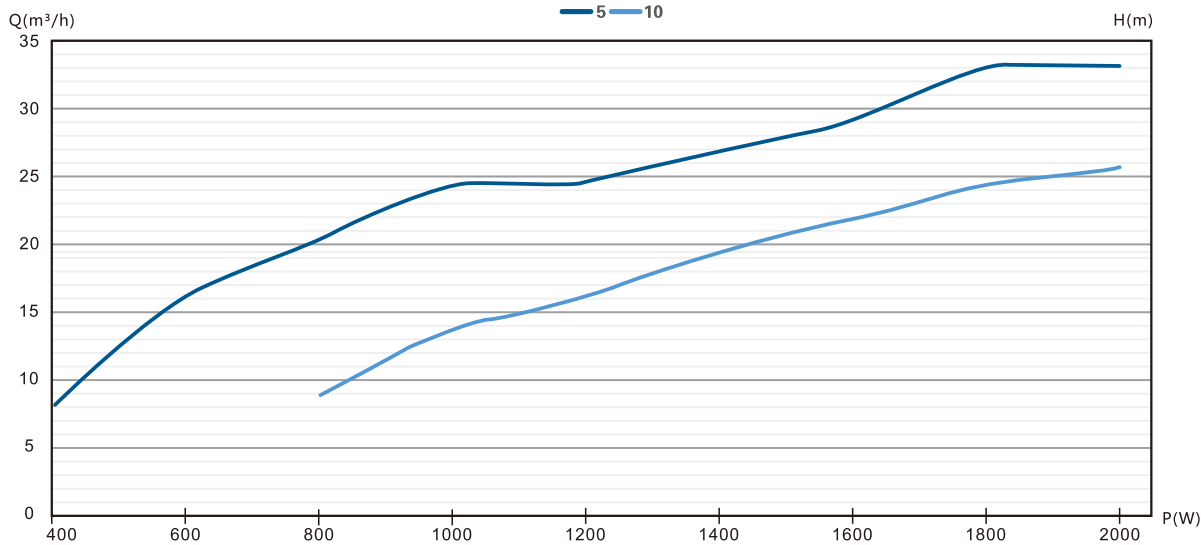
5DFS 30/2



Model		Input Power (W)													
4/5DFS38-41-3000		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
		Q(m³/h)													
H(m)	5	10.7	16.6	21	25	26.9	28.5	29.8	31.3	32.4	33.5	34.6	35.6	37.8	38
	10	1.2	7.1	11.7	15.1	18.4	21.3	24.5	27.1	29.4	31.4	33.2	34.8	36.6	36.7
	15			4.2	7.7	11.2	14.3	17.2	19.4	21.9	23.4	26.2	28.4	29.4	29.5
	20				1.7	5.2	8.2	10.8	13.5	15.9	18.2	20	21.8	23.7	24.1

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/5DFS38-41-3000	60-380Vmp(60-440VOC)	90-240VAC	3000W	38m³/h	41m

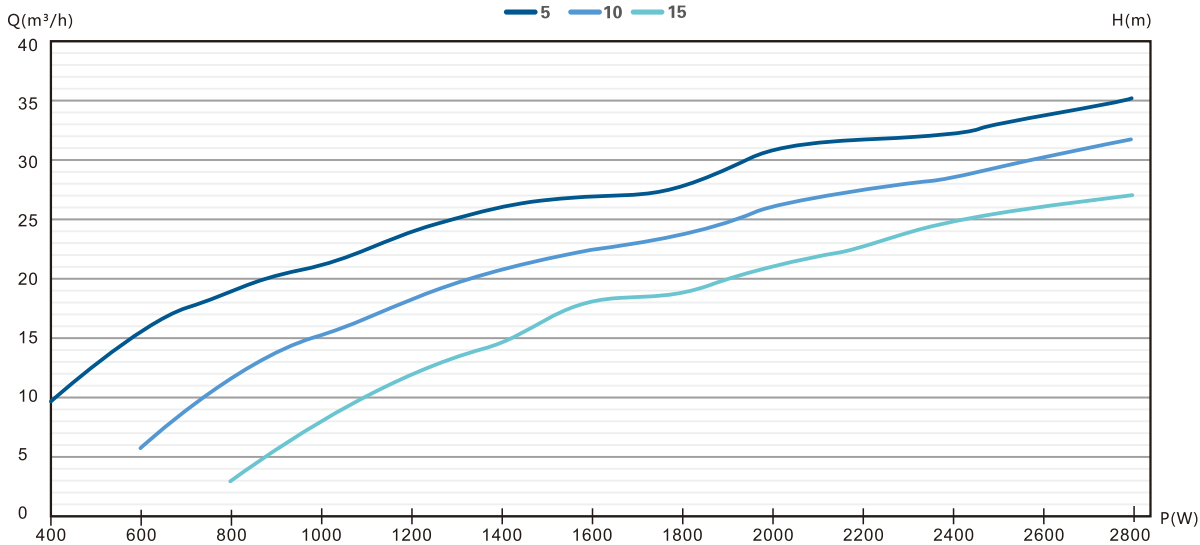
Outlet	Pump size	Cable	PV	Connection mode	Pump body
2.5"	5"	2m	330W*9	in series	5DFS30/2



Model		Input Power (W)								
4/6DFS37.2-22-1800		400	600	800	1000	1200	1400	1600	1800	2000
		Q(m³/h)								
H(m)	5	8.1	16.2	20.3	24.3	24.6	26.8	28.9	32.9	33
	10			8.9	13.7	16.1	19.4	21.8	24.3	25.6

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/6DFS37.2-22-1800	60-380Vmp(60-440VOC)	90-240VAC	1800W	37.2m³/h	22m

Outlet	Pump size	Cable	PV	Connection mode	Pump body
3"	6"	2m	330W*7	in series	6DFS17/1

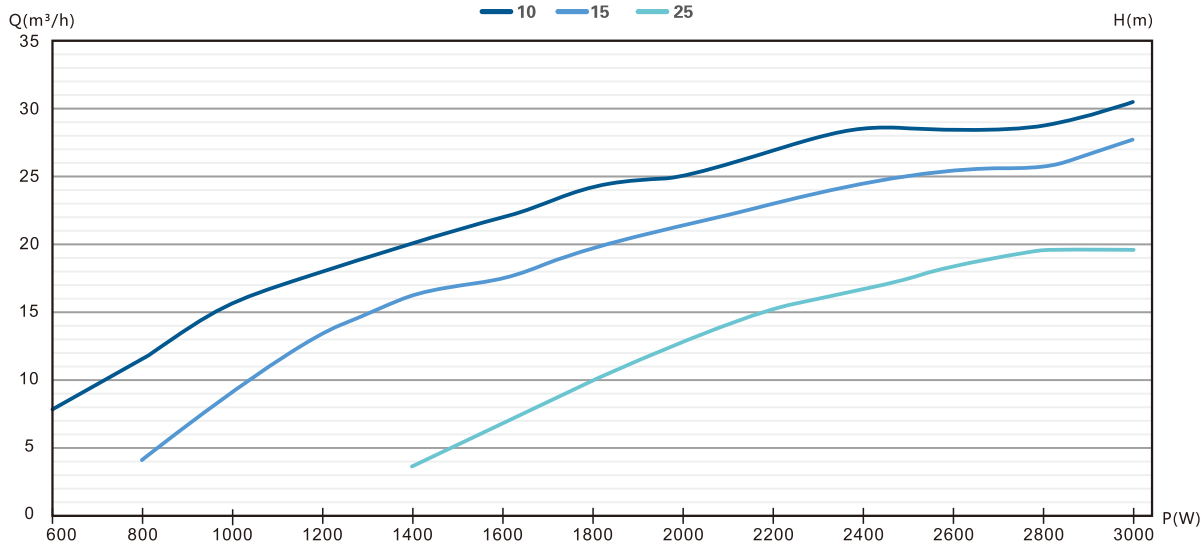


Model		Input Power (W)												
4/6DFS35.8-38-2600		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
		Q(m³/h)												
H(m)	5	9.5	15.4	18.9	21.1	23.7	26	26.8	27.6	30.7	31.7	32.2	33.6	35.2
	10		5.5	11.5	15.1	18.1	20.6	22.3	23.6	25.8	27.4	28.4	30.2	31.6
	15			2.7	7.8	11.7	14.5	17.9	18.7	20.9	22.6	24.7	25.9	27

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/6DFS35.8-38-2600	60-380Vmp(60-440VOC)	90-240VAC	2600W	35.8m³/h	38m

Outlet	Pump size	Cable	PV	Connection mode	Pump body
2.5"	6"	2m	330W*9	in series	6DFS17/2

6DFS17/3

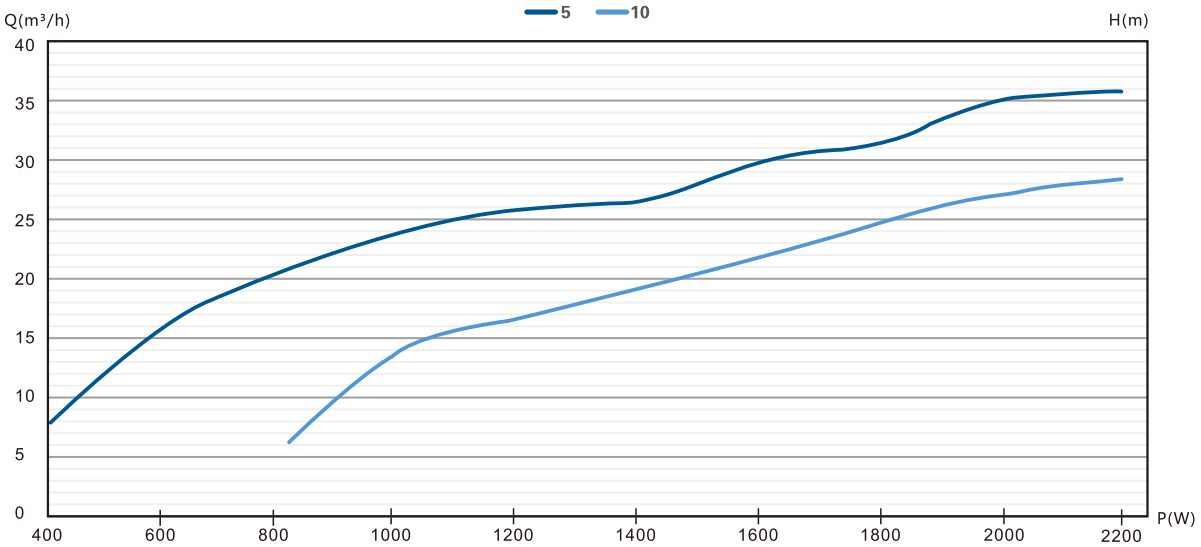


Model		Input Power (W)												
4/6DFS35-61-3000		600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
		Q(m³/h)												
H(m)	10	8	11.7	15.7	18	20.1	22	24.2	25.1	26.9	28.4	28.3	28.7	30.4
	15		4.3	9.2	13.4	16.2	17.5	19.8	21.3	23	24.4	25.4	25.7	27.7
	25					3.8	6.9	10.1	13.1	15.4	16.9	18.6	19.8	19.9

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/6DFS35-61-3000	60-380Vmp(60-440VOC)	90-240VAC	3000W	35m³/h	61m

Outlet	Pump size	Cable	PV	Connection mode	Pump body
3"	6"	2m	330W*9	in series	6DFS17/3

6DFS20/1

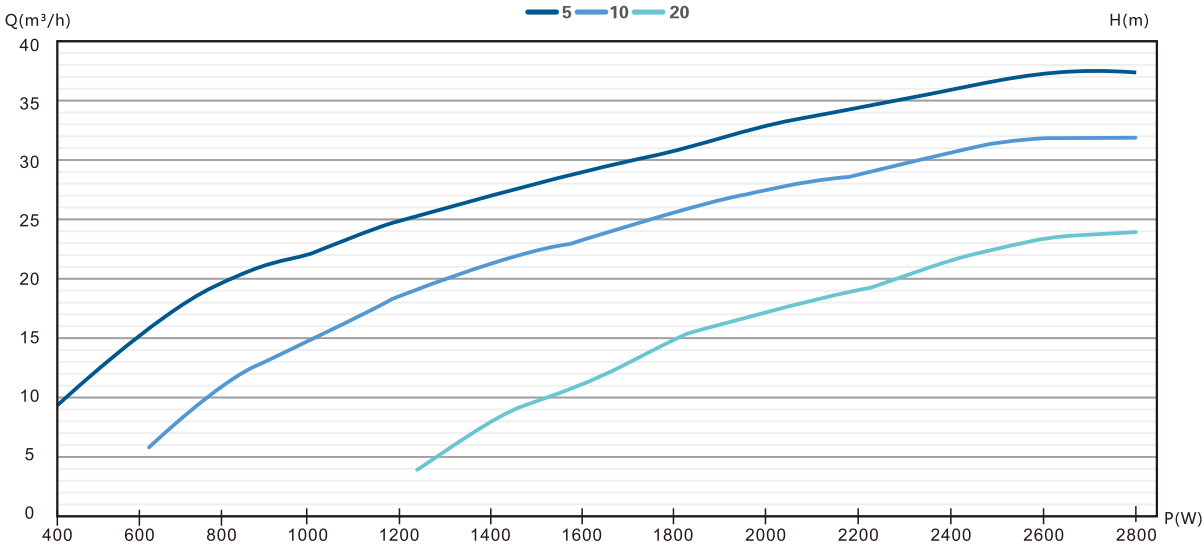


Model		Input Power (W)									
4/6DFS37.5-23-2200		400	600	800	1000	1200	1400	1600	1800	2000	2200
		Q(m³/h)									
H(m)	5	7.5	16.1	20.5	24	25.7	26.5	29.7	31.4	34.9	35.6
	10			5.8	14	16.6	19.1	21.7	24.5	26.9	28.2

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/6DFS37.5-23-2200	60-380Vmp(60-440VOC)	90-240VAC	2200W	37.5m³/h	23m

Outlet	Pump size	Cable	PV	Connection mode	Pump body
3"	6"	2m	330W*8	in series	6DFS20/1

6DFS20/2

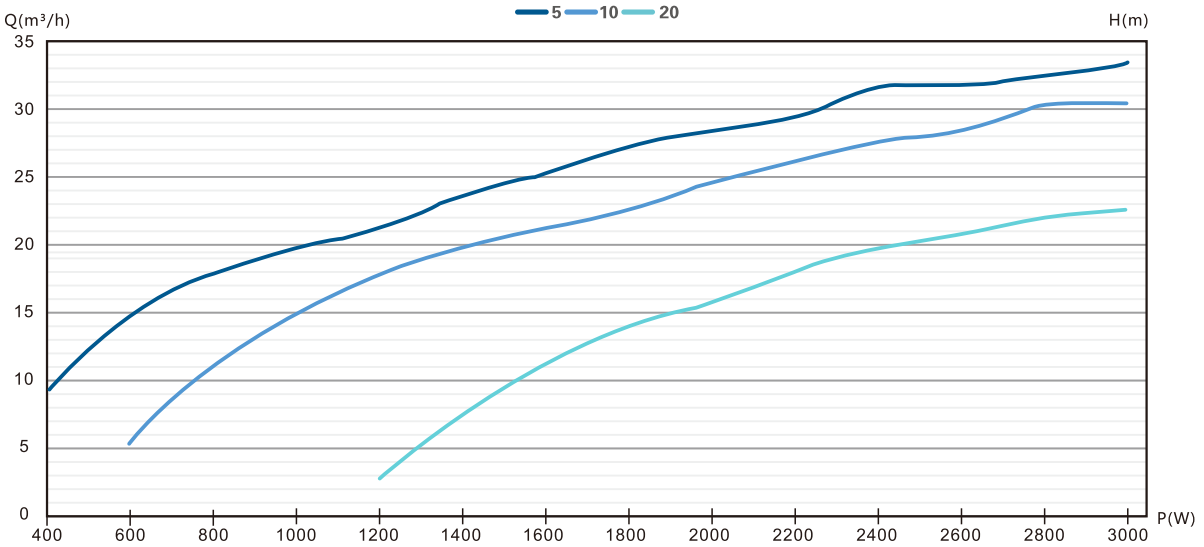


Model		Input Power (W)												
4/6DFS38.8-42-2600		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800
		Q(m³/h)												
H(m)	5	9.6	15.6	20.3	22.4	25.3	27.3	29.4	30.7	33.1	34.5	36.1	37.5	37.5
	10		5.5	11.7	15.4	18.9	21.6	23.5	25.8	27.6	28.9	30.8	31.8	31.9
	20					3.6	8.6	11.3	15.3	17.4	19	21.7	23.3	23.9

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/6DFS38.8-42-2600	60-380Vmp(60-440VOC)	90-240VAC	2600W	38.8m³/h	42m

Outlet	Pump size	Cable	PV	Connection mode	Pump body
3"	6"	2m	330W*9	in series	6DFS20/2

6DFS20/3



Model		Input Power (W)													
4/6DFS34.2-58-3000		400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
		Q(m³/h)													
H(m)	5	9.6	14.9	17.7	19.7	21.2	23.6	25.2	27.2	28.4	29.4	31.6	31.8	32.4	33.3
	10		5.2	11.1	14.7	17.7	19.8	21.1	22.6	24.5	26	27.4	28.4	30.2	30.5
	20					2.9	7.6	11.3	14	15.7	18.1	19.7	20.7	22.1	22.5

Model	DC Voltage range	AC Voltage range	Power	Max flow	Max head
4/6DFS34.2-58-3000	60-380Vmp(60-440VOC)	90-240VAC	3000W	34.2m³/h	58m

Outlet	Pump size	Cable	PV	Connection mode	Pump body
3"	6"	2m	330W*9	in series	6DFS20/3