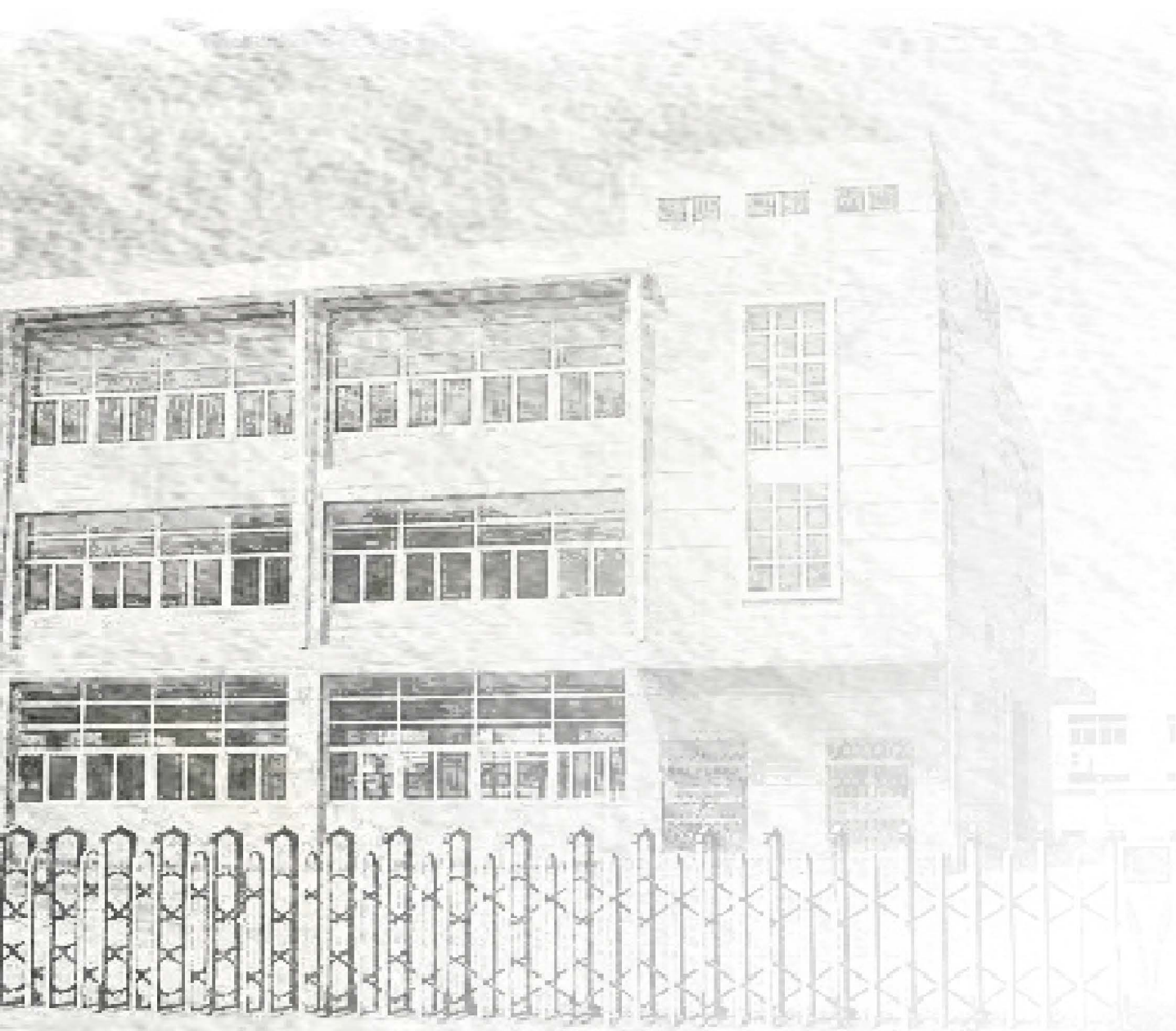


WATER FILLED MOTOR
SOLAR BOREHOLE PUMP
Built-in Inverter AC/DC
External inverter





Vaspen being one of the pioneers in solar pump manufacture, with its new advanced solar energy operated pumps has emerged as a prestigious brand in domestic and international markets.

Factory is located in Zhejiang province. With a leading position in solar pump markets, Vaspen exports wide range of solar pumping products to over 80 countries around the world.

Vaspen brand are well received in the market as they are conforming to international quality standards coupled with superior and durability.

Vaspen offers advanced water pumping solutions to a wide range of applications such as irrigation, horticulture, domestic water supply, commercial and industrial applications and so on. Quality & efficiency are our hallmarks that instills pride in us as a pioneer in manufacture of many types of solar water pumps.

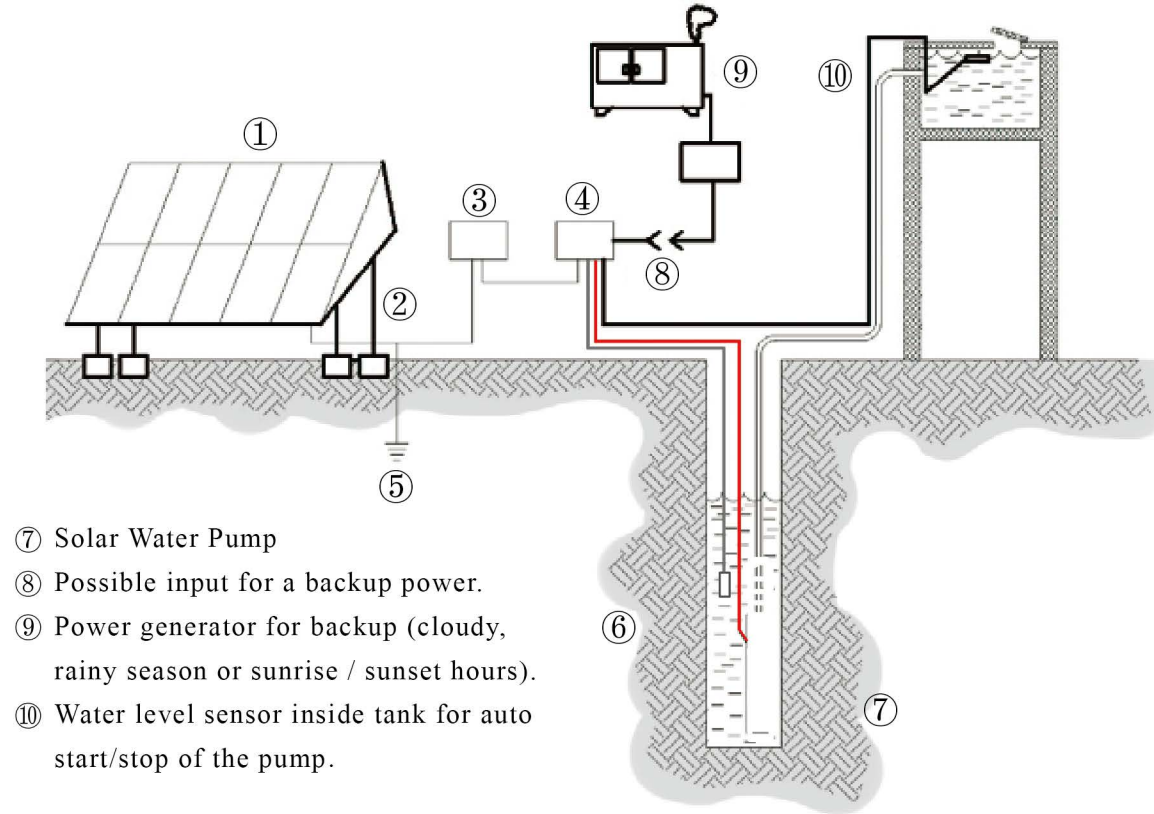
We believe in quality, ethics and customer orientation that drives us to become world class. Vaspen is at the forefront of the global pump industry. We are able to offer our customers the best solar water pumping solutions. We always hold the purpose of quality first and sustainable operation, warmly welcome your inquire.

Solar Pumping System

Main Components & Application



- ① Solar panels
- ② Panels Stand with concrete foundation.
- ③ Protection Cabinet with fuses, main contactor and surge protector device (lightning protection).
- ④ Solar pumping inverter
- ⑤ Ground rod connected to ground circuit, including solar panels, stands, cabinets, controller & pump.
- ⑥ Low water sensor (stop pump immediately if water level drops)--With Vaspen inverter, no need this.



- ⑦ Solar Water Pump
- ⑧ Possible input for a backup power.
- ⑨ Power generator for backup (cloudy, rainy season or sunrise / sunset hours).
- ⑩ Water level sensor inside tank for auto start/stop of the pump.

CONTENT

VSQ Series - With Built-in Inverter

Page 1-2	VSQ Instruction
Page 3-5	4VSQ2
Page 5-7	4VSQ3
Page 8-10	4VSQ5
Page 10-14	4VSQ8
Page 14-16	4VSQ14
Page 16-17	5VSQ10
Page 17-18	5VSQ15
Page 18-19	5VSQ20
Page 20-21	5VSQ25
Page 21-21	5VSQ30
Page 22-23	6VSQ17
Page 23-24	6VSQ20

VSQ Series - With External Inverter

Page 25-26	VSQE Instruction
Page 27-29	4VSQE
Page 30-30	6VSQE



Desert control



Stock farming



Drinking water supply



Irrigation



Fountains



Hybrid AC/DC Solar Borehole Pump With Water Filled Motor + Built-in Inverter

Application

1. Remote area's agriculture irrigation, Live stock feeding
2. Living water supply from borewell or river
3. Off grid desert control & Fountains, etc.

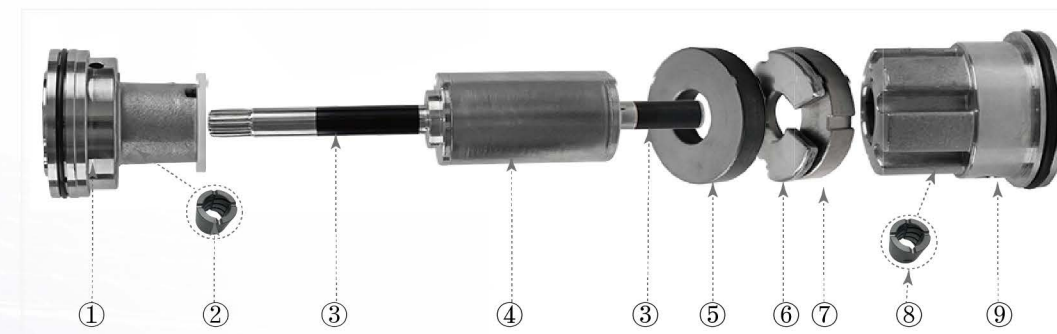
Motor Features

1. Water filled, water cooling, no pollution to pumping water
2. Reliable double shiled structure: Shiled stator & Shiled rotor
3. Insulation class F, 180 °C temperature resistant copper wire
4. Stator & rotor core: Good cold rolled 600 silicon steel
5. Ceramic plating process for AISI304 shaft, more wear resistant
6. Graphite bearings have strong self lubrication & corrosion resistance, Can operate reliable with water lubrication.
7. Max. Submerging depth: 150m
8. IP68 Protection class

Built-in Intelligent Inverter

1. Hybrid powered by AC/DC, AC/DC auto switch
2. Auto On/Off according to solar power strength
3. With MPPT function, efficiency can reach to **99%**
4. Soft start: no impact current, no water hammer damage.
5. Wide Open Circuit Voltage: DC: 60~440V, AC: 90~220V
6. Multi-protect functions: Over-voltage/Under-voltage/Over-current Phase loss/Short circuit/Water shortage/High temperature, etc.

Motor Inner Structure

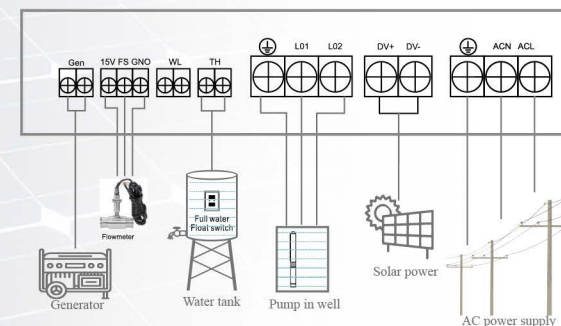


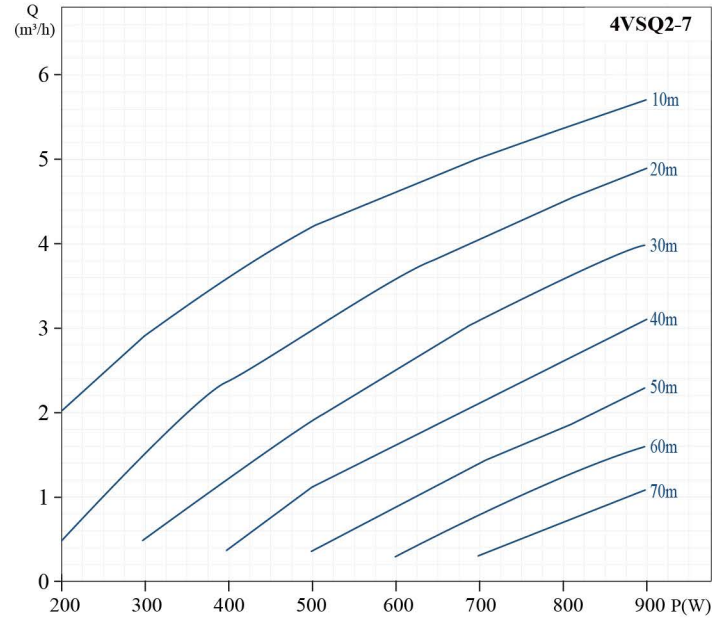
- | | | |
|-------------------------------|---------------------------|----------------------|
| ① Upper bearing seat | ④ Shiled rotor | ⑦ Thrust pad |
| ② Graphite bearing | ⑤ Graphite thrust bearing | ⑧ Graphite bearing |
| ③ Ceramic plating SS304 shaft | ⑥ Balancing block | ⑨ Lower bearing seat |



AC/DC Switcher

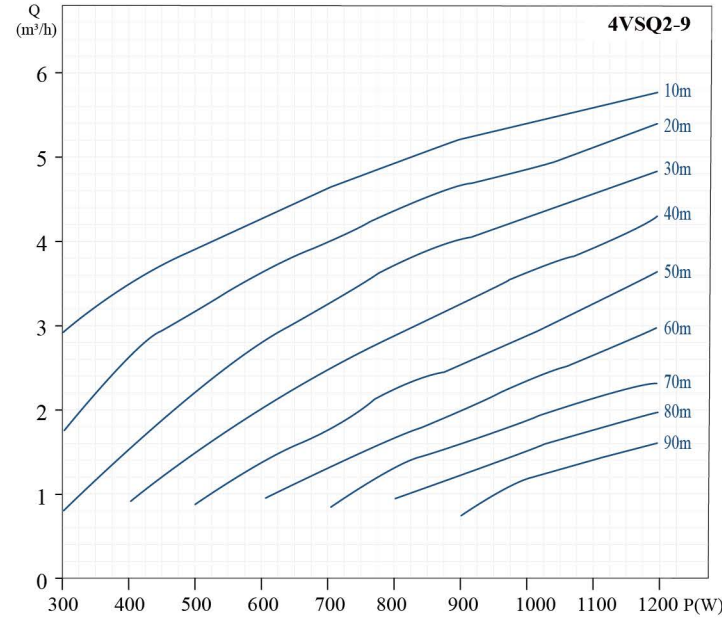
1. IP65 Protection class
2. LCD display running status & fault codes
3. Three running modes: Auto, Only AC, Only DC
4. Water level control & Outlet pressure control
5. Timing switch between AC/DC
6. Over current / Over voltage protection
7. Auto ON/OFF according to solar power strength
8. Low power or low flow judgment (with flow switch)
9. Auto start generator function (with Gen signal relay)
10. Flowmeter connecting available





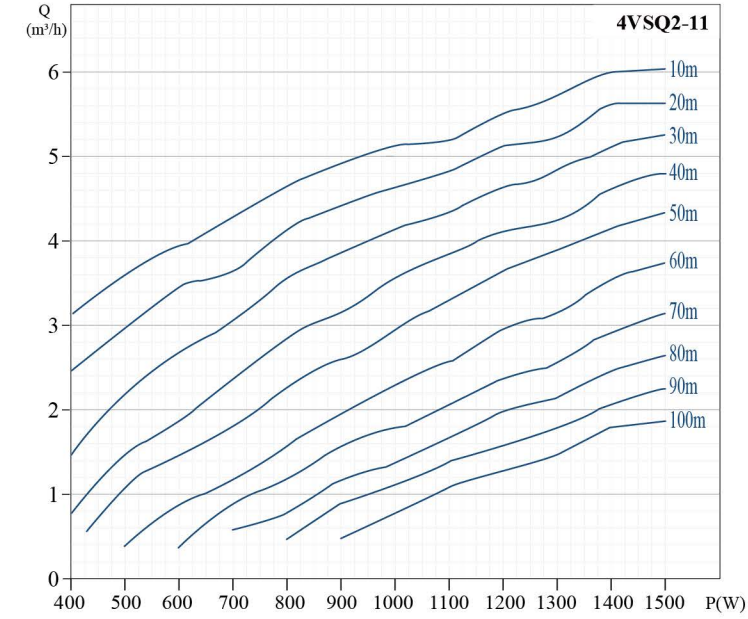
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ2-7	1300W	5.7m³/h	83m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.25"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)								
	200	300	400	500	600	700	800	900	
4VSQ2-7	Flow Q (m³/h)								
Head (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	/	/	/	1.1	1.6	2.1	2.6	3.1
	50	/	/	/	0.4	0.9	1.4	1.8	2.3
	60	/	/	/	/	/	0.8	1.2	1.6
	70	/	/	/	/	/	0.3	0.7	1.1



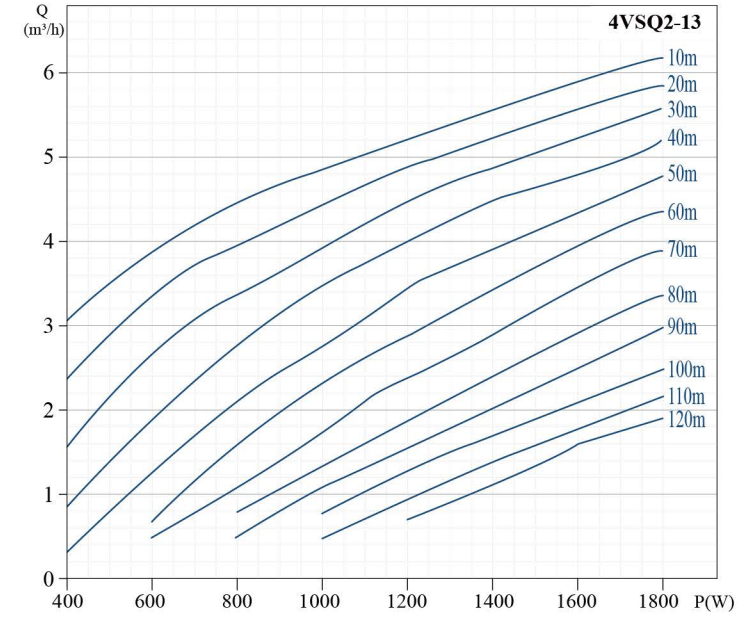
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ2-9	1500W	5.9m³/h	107m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.25"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)										
	300	400	500	600	700	800	900	1000	1100	1200	
4VSQ2-9	Flow Q (m³/h)										
Head (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



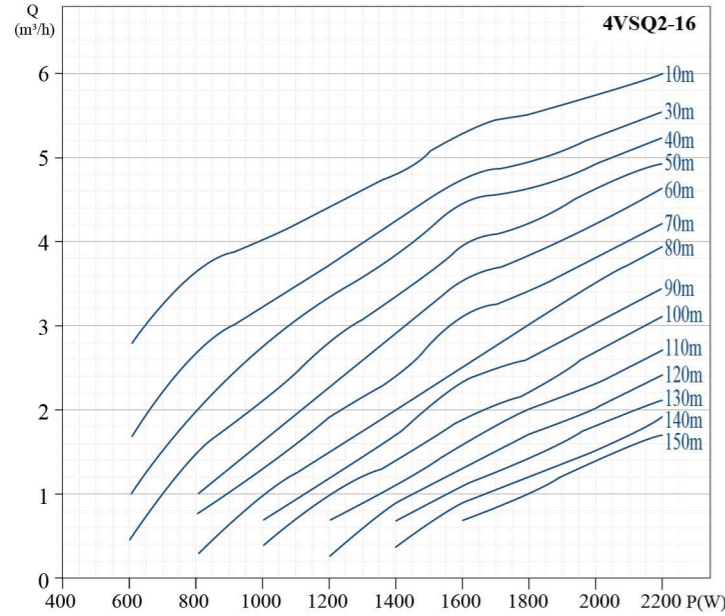
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ2-11	1500W	6.1m³/h	129m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.25"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)													
	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500		
4VSQ2-11	Flow Q (m³/h)													
Head (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	



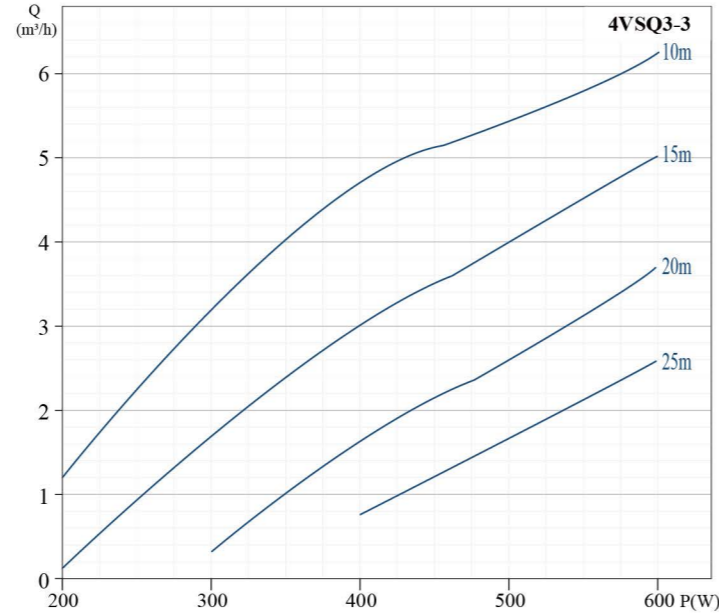
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ2-13	1500W	6.2m³/h	144m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.25"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)								
	400	600	800	1000	1200	1400	1600	1800	
4VSQ2-13	Flow Q (m³/h)								
Head (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	3
	100	/	/	/	0.8	1.3	1.7	2.1	2.5
	110	/	/	/	0.5	1	1.4	1.8	2.2
	120	/	/	/	/	0.7	1.1	1.6	1.9



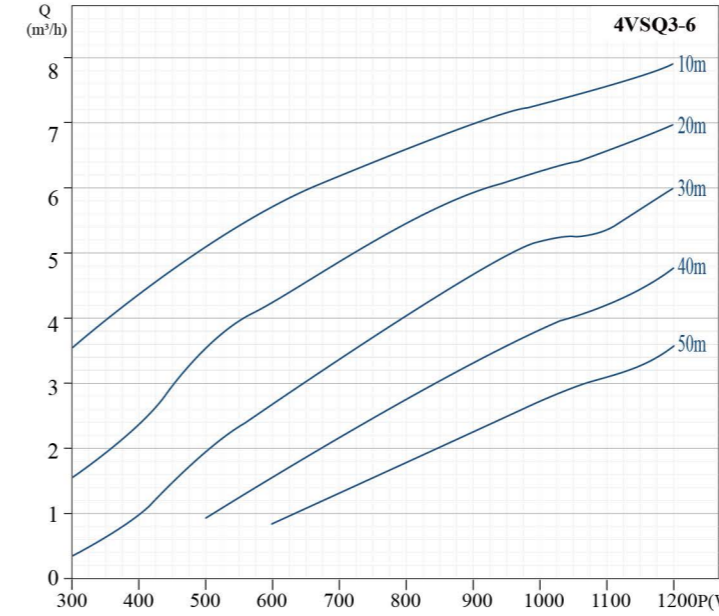
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ2-16	1800W	6.1m³-h	183m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.25"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)									
	400	600	800	1000	1200	1400	1600	1800	2000	
4VSQ2-16	Flow Q (m³/h)									
Head (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



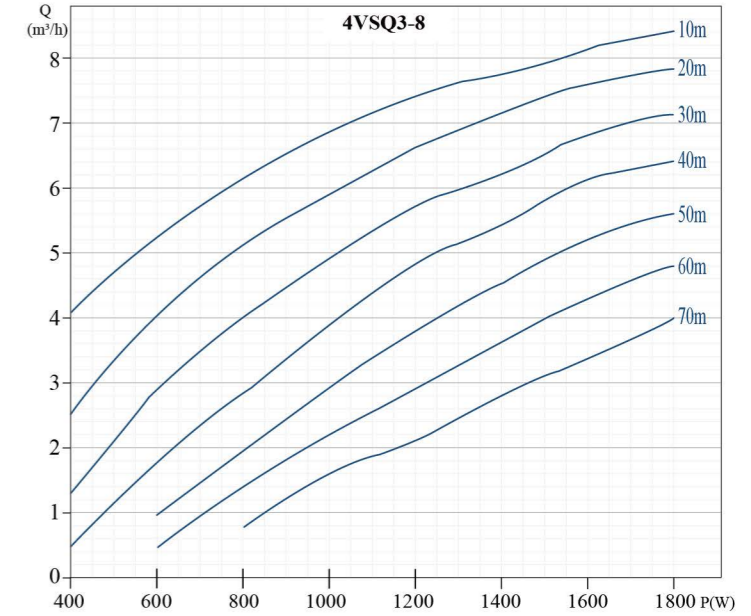
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ3-3	500W	6.7m³-h	39m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.25"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)					
	200	300	400	500	600	
4VSQ3-3	Flow Q (m³/h)					
Head (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



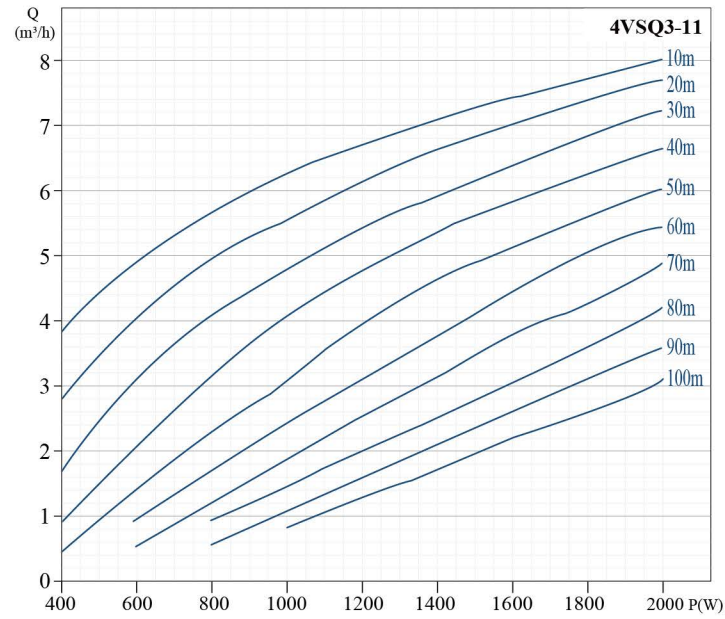
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ3-6	1100W	7.8m³-h	73m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.25"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)											
	300	400	500	600	700	800	900	1000	1100	1200		
4VSQ3-6	Flow Q (m³/h)											
Head (m)	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	



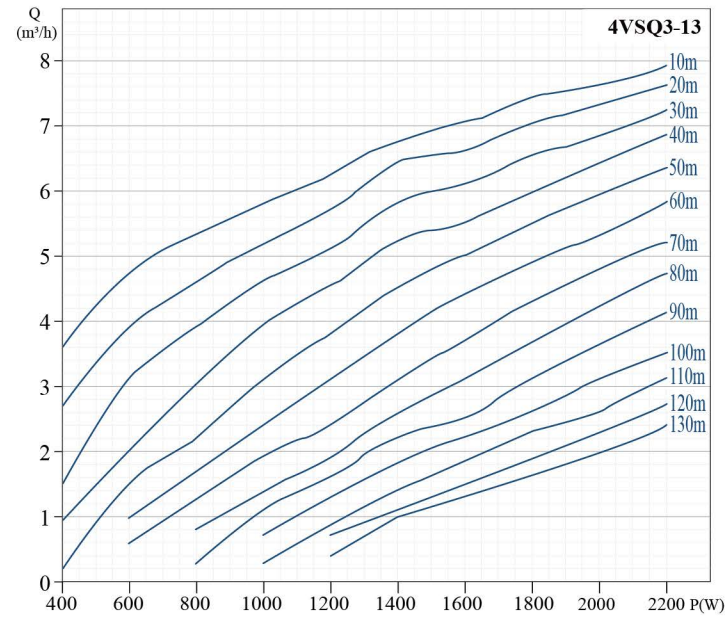
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ3-8	1500W	8.4m³-h	97m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.25"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)								
	400	600	800	1000	1200	1400	1600	1800	
4VSQ3-8	Flow Q (m³/h)								
Head (m)	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



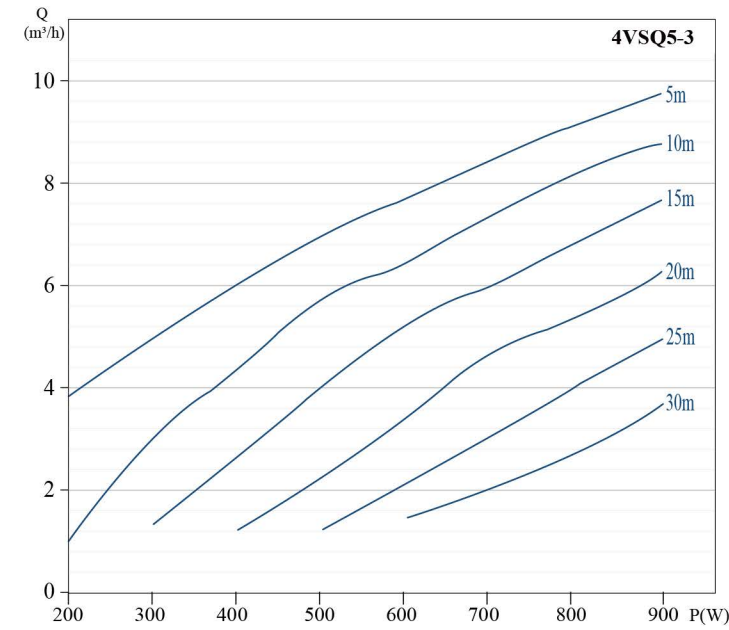
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ3-11	1800W	8.1m ³ -h	133m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.25"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)									
	400	600	800	1000	1200	1400	1600	1800	2000	
4VSQ3-11	Flow Q (m ³ /h)									
Head (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



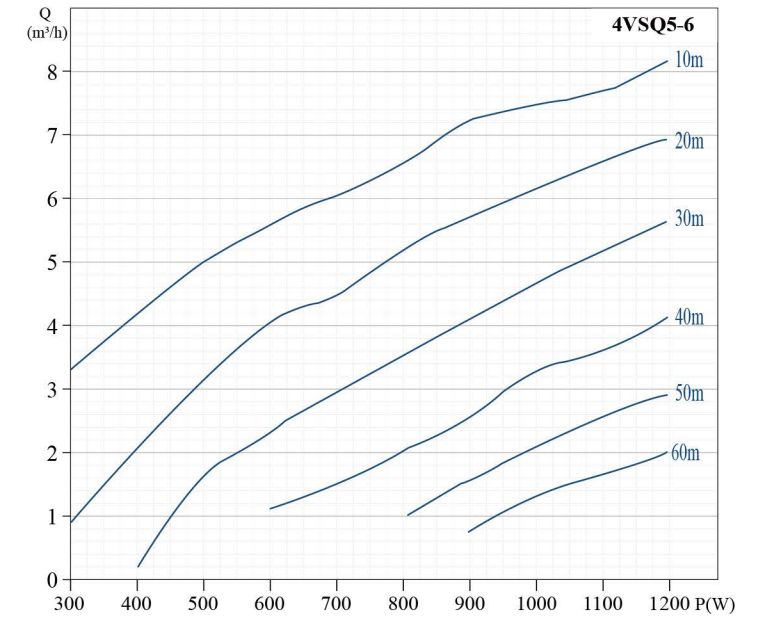
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ3-13	2200W	8m ³ -h	157m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.25"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)										
	400	600	800	1000	1200	1400	1600	1800	2000	2200	
4VSQ3-13	Flow Q (m ³ /h)										
Head (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



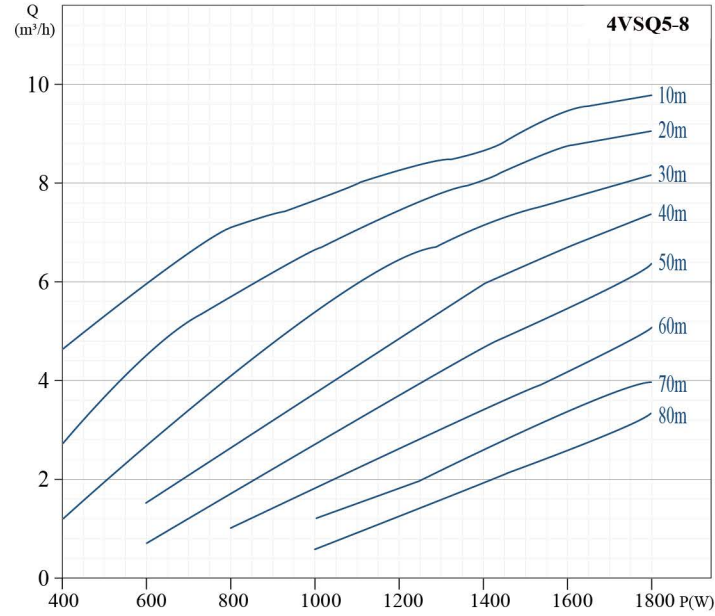
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ5-3	750W	10.2m ³ -h	40m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.25"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)								
	200	300	400	500	600	700	800	900	
4VSQ5-3	Flow Q (m ³ /h)								
Head (m)	5	3.8	4.9	6	6.9	7.6	8.4	8.9	9.7
	10	/	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



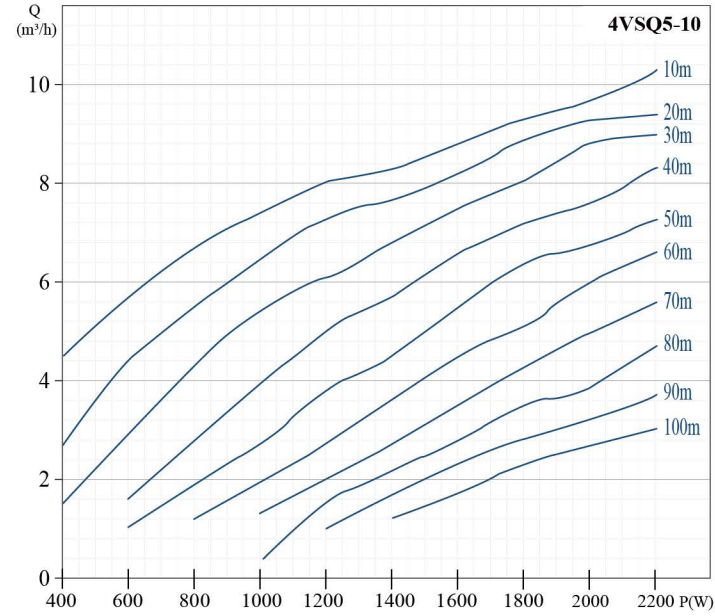
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ5-6	1100W	9.5m ³ -h	77m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.25"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)										
	300	400	500	600	700	800	900	1000	1100	1200	
4VSQ5-6	Flow Q (m ³ /h)										
Head (m)	10	3.6	4.6	5.5	6.4	6.5	7.3	8	8.3	8.5	9.1
	20	0.9	2.2	3.4	4.4	4.9	5.7	6.3	6.8	7.3	7.7
	30	/	0.2	2.1	2.3	3	3.8	4.5	5.1	5.7	6.2
	40	/	/	/	1.1	1.5	2.1	2.7	3.5	3.9	4.5
	50	/	/	/	/	/	1.5	1.6	2.2	2.7	3.1
	60	/	/	/	/	/	/	0.7	1.3	1.7	2.1



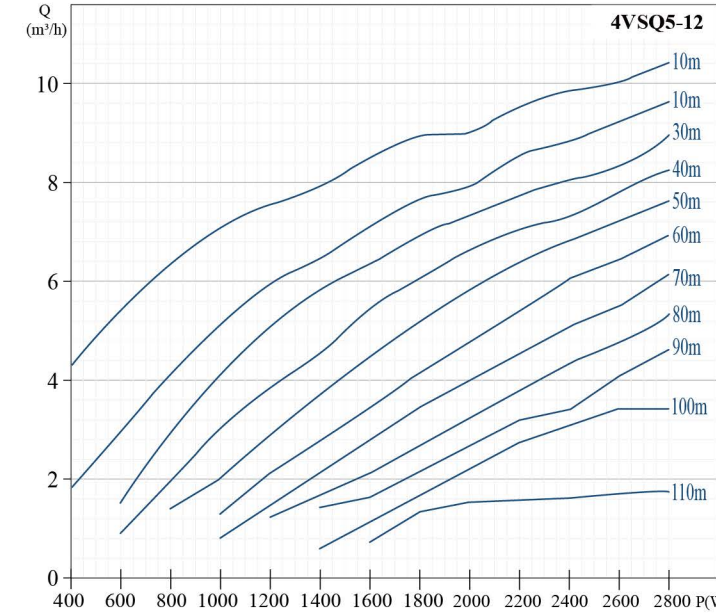
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ5-8	1500W	10m ³ -h	104m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.5"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)								
	400	600	800	1000	1200	1400	1600	1800	
4VSQ5-8	Flow Q (m ³ -h)								
Head (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	



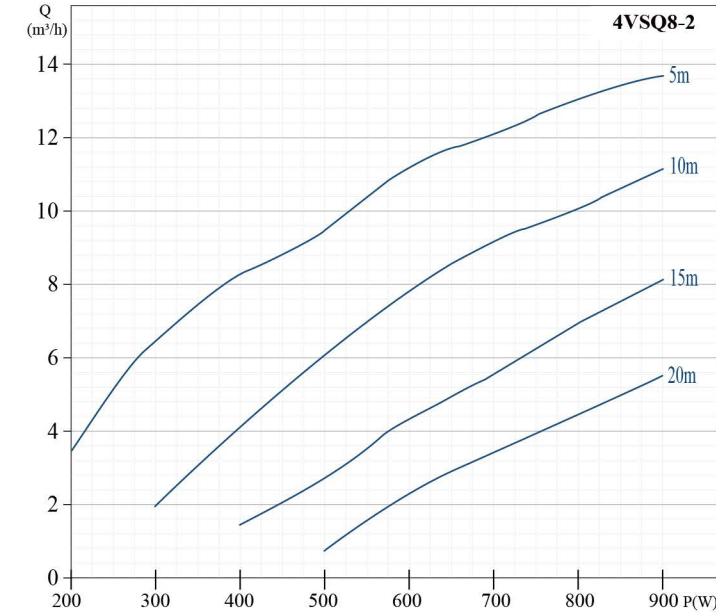
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ5-10	2200W	10.3m ³ -h	129m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	1.5"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)										
	400	600	800	1000	1200	1400	1600	1800	2000	2200	
4VSQ5-10	Flow Q (m ³ -h)										
Head (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	



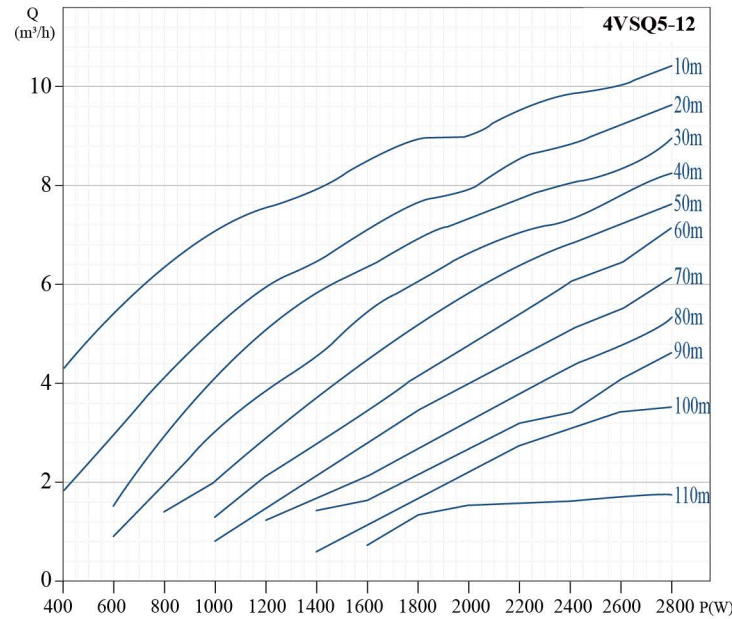
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ5-12	2600W	10.6m ³ -h	136m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)													
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	
4VSQ5-12	Flow Q (m ³ -h)													
Head (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
20	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	
30	/	1.5	2.9	4.1	5	5.8	6.3	6.9	7.3	7.7	8	8.3	8.9	
40	/	0.9	1.9	3	3.8	4.5	5.4	6	6.6	7	7.3	7.8	8.2	
50	/	/	1.4	2	2.9	3.7	4.4	5.1	5.7	6.3	6.8	7.1	7.6	
60	/	/	/	1.3	2.1	2.7	3.4	4.1	4.7	5.3	6	6.4	7.1	
70	/	/	/	0.8	1.5	2.1	2.7	3.4	3.9	4.5	5.1	5.5	6.1	
80	/	/	/	/	1.2	1.7	2.1	2.7	3.2	3.8	4.3	4.7	5.3	
90	/	/	/	/	/	1.4	1.6	2.1	2.6	3.2	3.4	4.1	4.6	
100	/	/	/	/	/	0.6	1.1	1.6	2.1	2.7	3	3.4	3.4	
110	/	/	/	/	/	/	0.7	1.3	1.5	1.5	1.6	1.7	1.7	



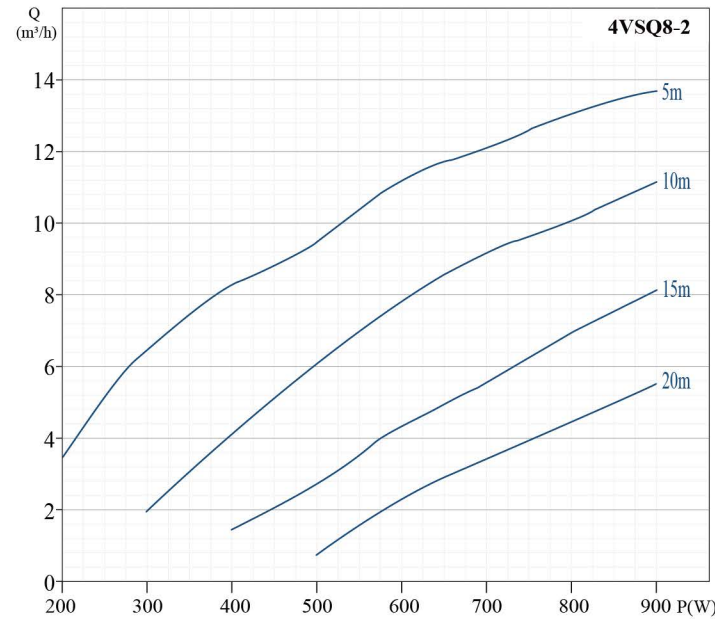
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ8-2	750W	14.3m ³ -h	26m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)								
	200	300	400	500	600	700	800	900	
4VSQ8-2	Flow Q (m ³ -h)								
Head (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	



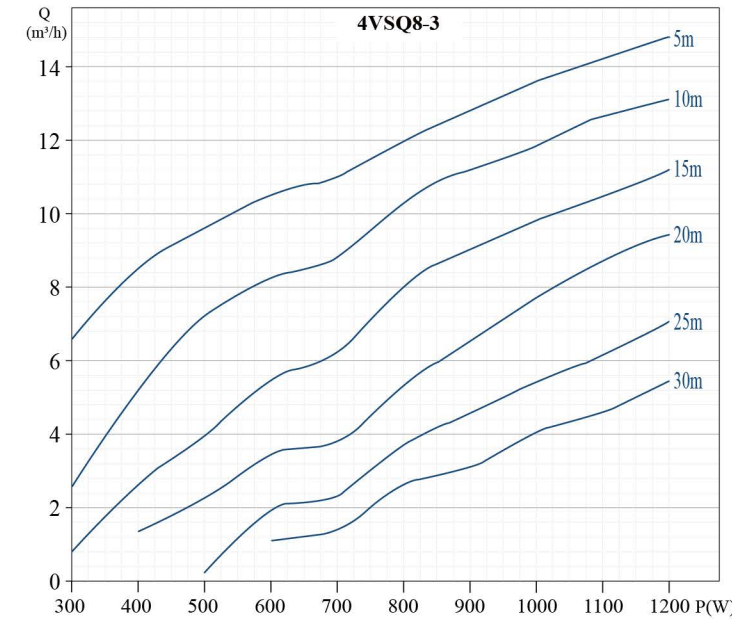
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ5-12	2600W	10.6m³-h	136m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)													
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	
Head (m)	Flow Q (m³-h)													
	10	4.3	5.4	6.3	7	7.5	7.9	8.5	8.9	9	9.5	9.8	10	10.4
	20	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
	30	/	1.5	2.9	4.1	5	5.8	6.3	6.9	7.3	7.7	8	8.3	8.9
	40	/	0.9	1.9	3	3.8	4.5	5.4	6	6.6	7	7.3	7.8	8.2
	50	/	/	1.4	2	2.9	3.7	4.4	5.1	5.7	6.3	6.8	7.1	7.6
	60	/	/	/	1.3	2.1	2.7	3.4	4.1	4.7	5.3	6	6.4	7.1
	70	/	/	/	0.8	1.5	2.1	2.7	3.4	3.9	4.5	5.1	5.5	6.1
	80	/	/	/	/	1.2	1.7	2.1	2.7	3.2	3.8	4.3	4.7	5.3
	90	/	/	/	/	1.4	1.6	2.1	2.6	3.2	3.4	4.1	4.6	
	100	/	/	/	/	0.6	1.1	1.6	2.1	2.7	3	3.4	3.4	
	110	/	/	/	/	/	0.7	1.3	1.5	1.5	1.6	1.7	1.7	



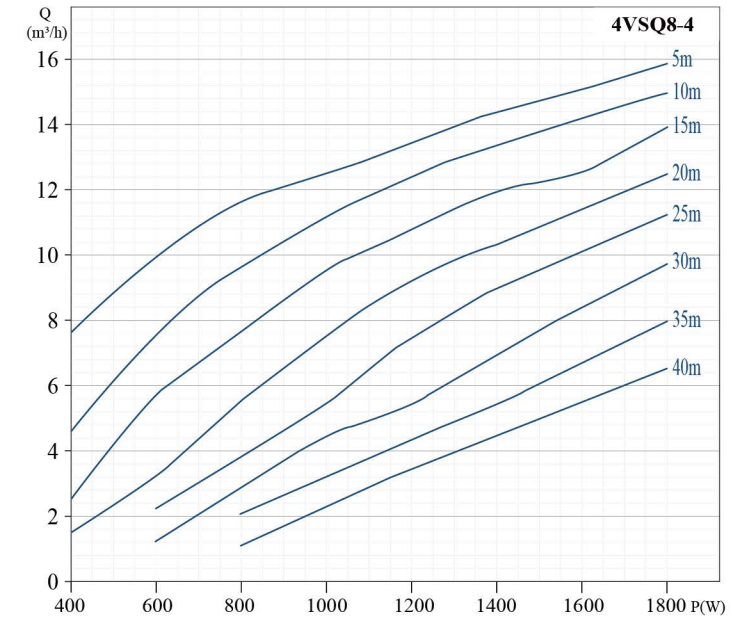
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ8-2	750W	14.3m³-h	26m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)								
	200	300	400	500	600	700	800	900	
Head (m)	Flow Q (m³-h)								
	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



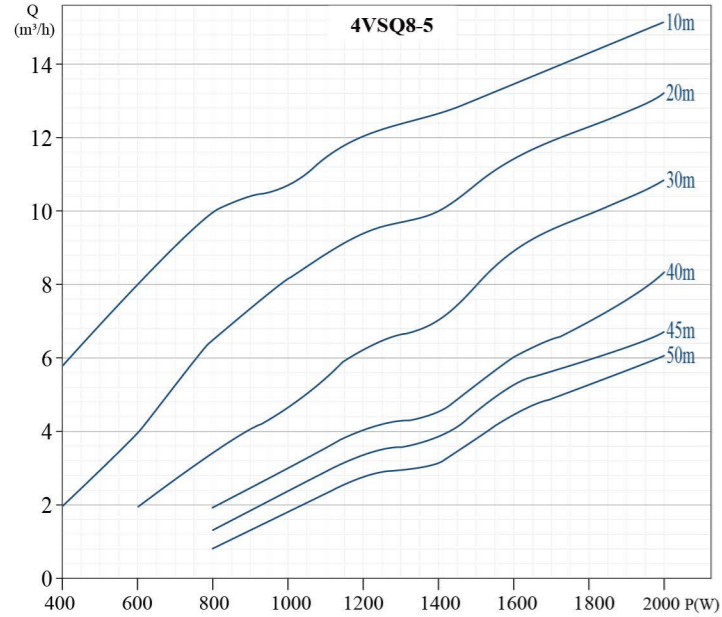
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ8-3	1100W	15m³-h	38m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)										
	300	400	500	600	700	800	900	1000	1100	1200	
Head (m)	Flow Q (m³/h)										
	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
	30	/	/	0.2	1.9	2.3	3.7	4.5	5.4	6.1	7



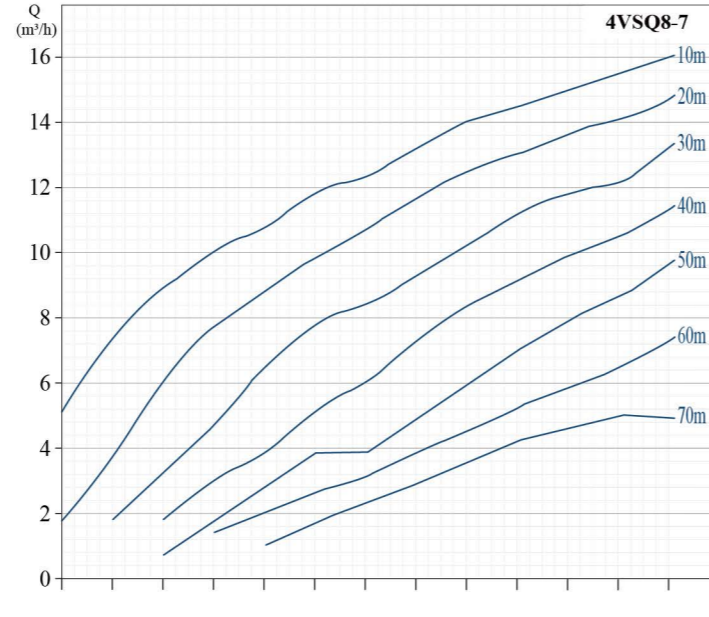
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ8-4	1500W	16.4m³-h	51m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)								
	400	600	800	1000	1200	1400	1600	1800	
Head (m)	Flow Q (m³/h)								
	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



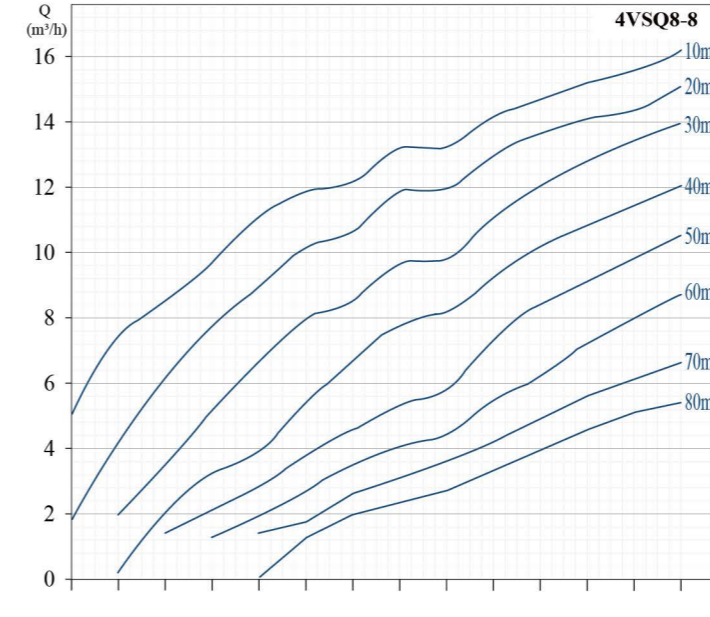
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ8-5	1800W	16.1m³/h	63m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)									
	400	600	800	1000	1200	1400	1600	1800	2000	
4VSQ8-5	Flow Q (m3/h)									
Head (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



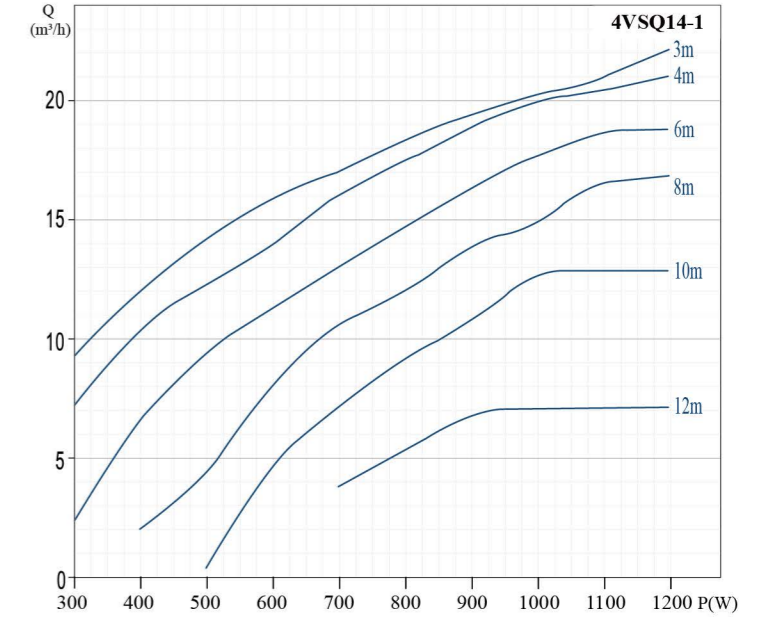
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ8-7	2600W	16.8m³/h	81m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)															
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800			
4VSQ8-7	Flow Q (m3/h)															
Head (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		



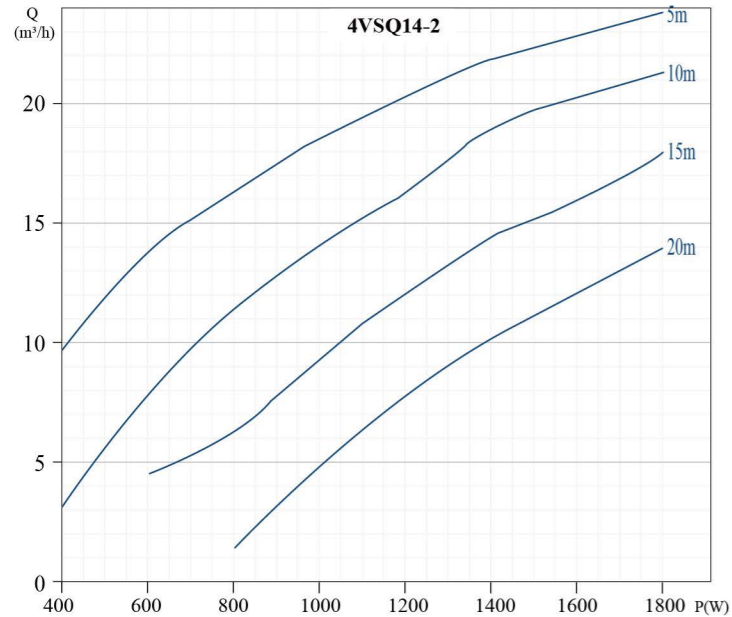
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ8-8	3000W	16.7m³/h	98m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)																
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000			
4VSQ8-8	Flow Q (m3/h)																
Head (m)	10	5.1	7.4	8.5	9.7	11	12	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	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		



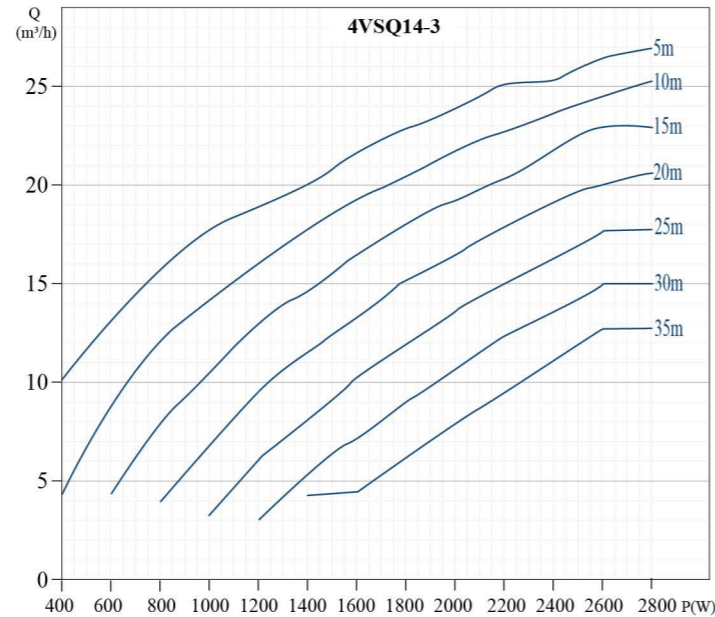
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ14-1	1100W	22m³/h	12m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)											
	300	400	500	600	700	800	900	1000	1100	1200		
4VSQ14-1	Flow Q (m3/h)											
Head (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	



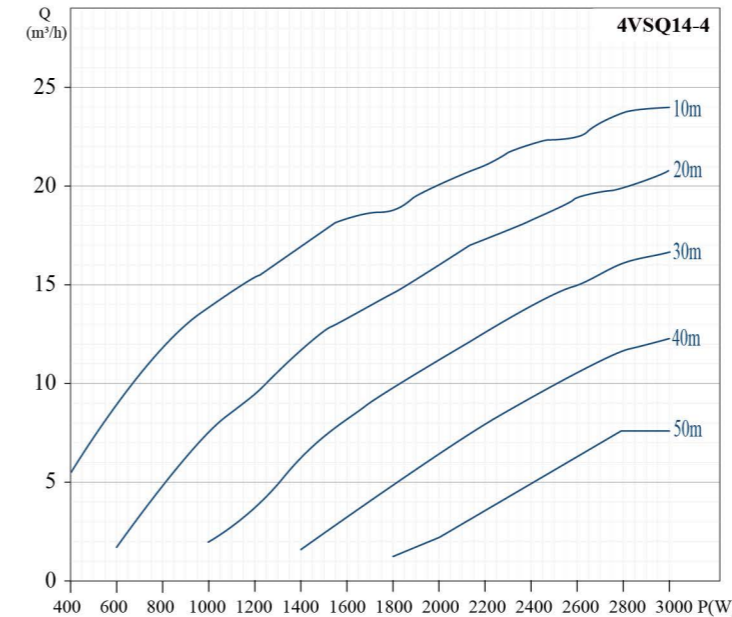
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ14-2	1500W	24.1m³/h	27m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)								
	400	600	800	1000	1200	1400	1600	1800	
4VSQ14-2	Flow Q (m3/h)								
Head (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



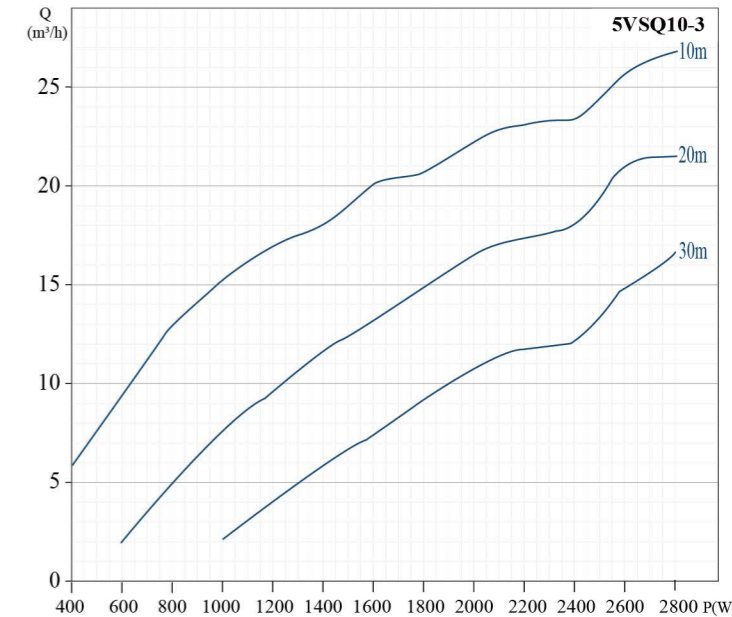
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ14-3	2600W	27m³/h	38m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)															
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800			
4VSQ14-3	Flow Q (m3/h)															
Head (m)	5	10	13	16	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		



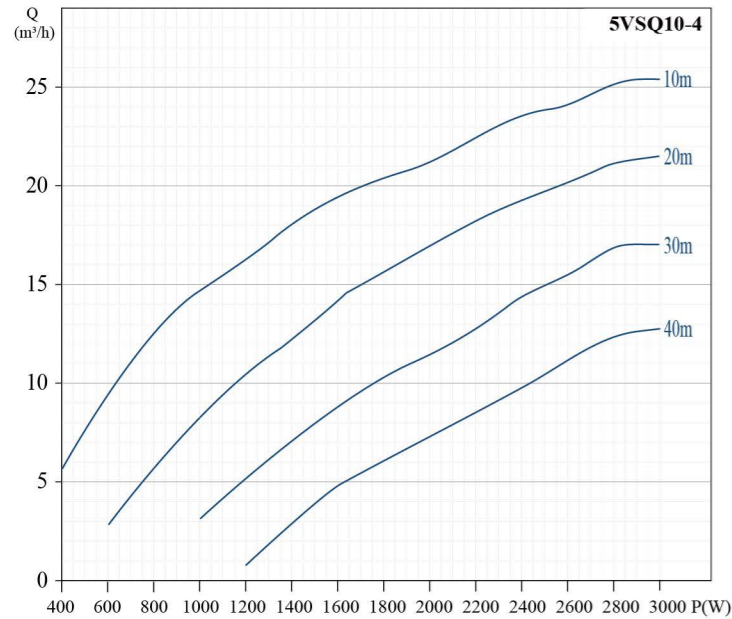
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
4VSQ14-4	3000W	25.5m³/h	52m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)															
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000		
4VSQ14-4	Flow Q (m3/h)															
Head (m)	10	5.4	8.8	12	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	



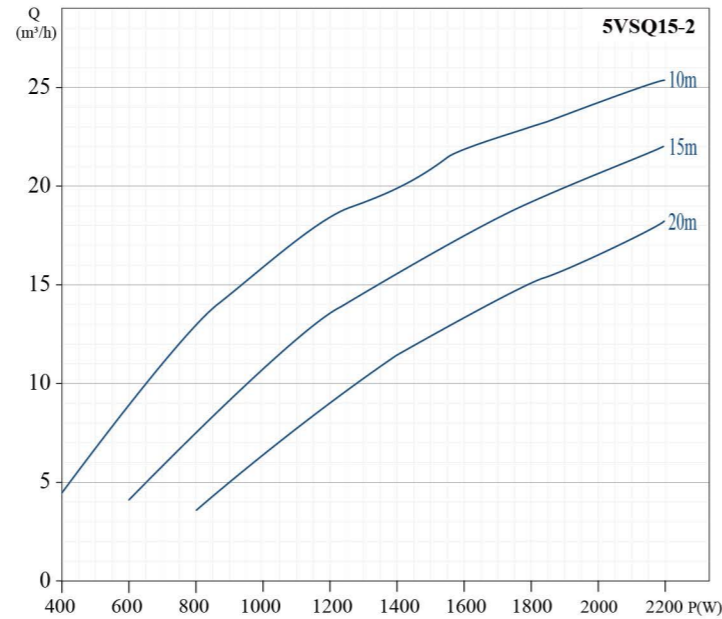
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
5VSQ10-3	2600W	28.2m³/h	58m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	4"	2.5"	2m	90-240V, 1~50/60Hz

Model	Input Power (W)															
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800			
5VSQ10-3	Flow Q (m3/h)															
Head (m)	10	5.7	9.3	13	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		



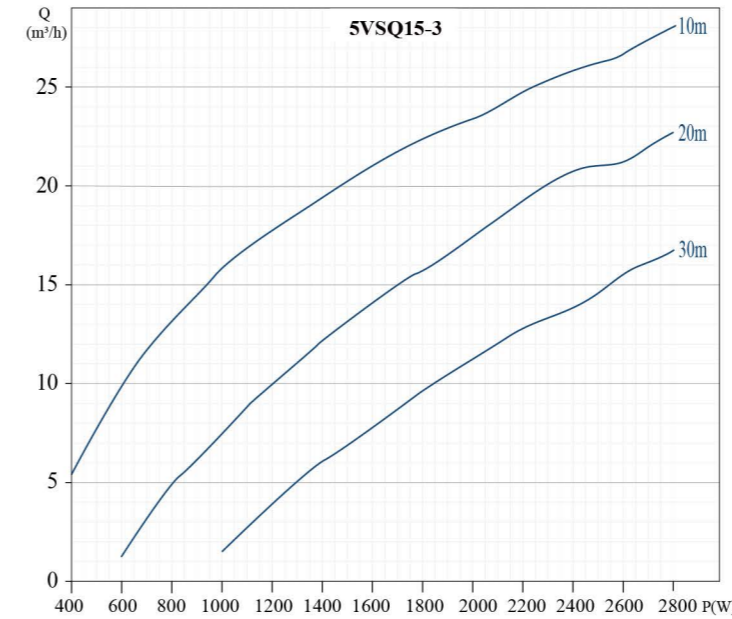
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
5VSQ10-4	3000W	26.5m³/h	81m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	5"	2.5"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)														
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	
5VSQ10-4	Flow Q (m³/h)														
Head (m)	10	5.6	9.5	13	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	



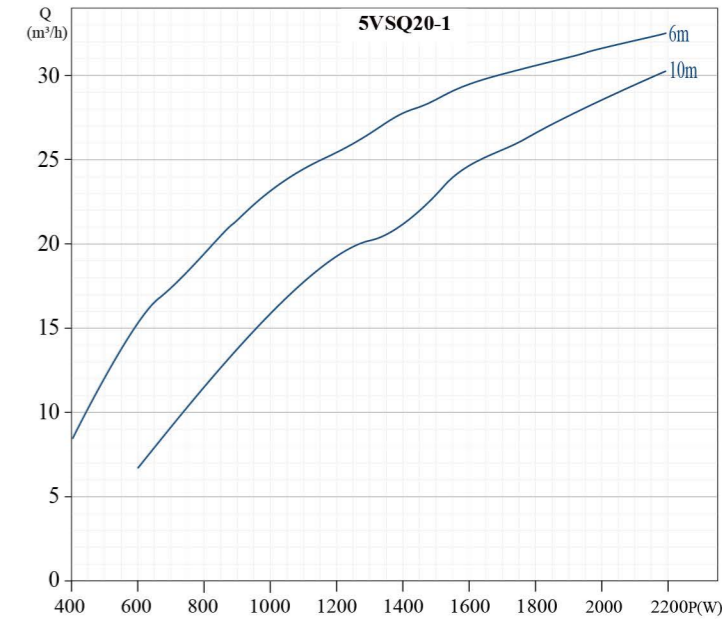
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
5VSQ15-2	2200W	28m³/h	44m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	5"	2.5"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)										
	400	600	800	1000	1200	1400	1600	1800	2000	2200	
5VSQ15-2	Flow Q (m³/h)										
Head (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	



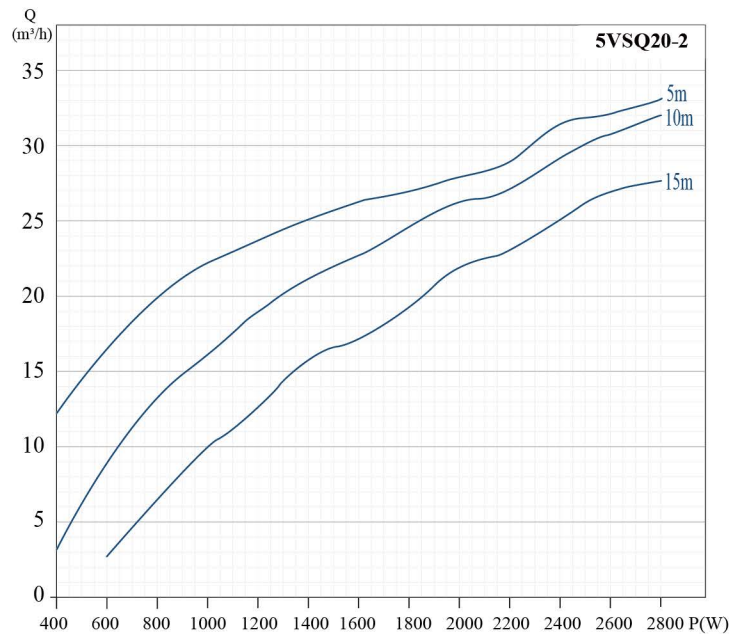
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
5VSQ15-3	2600W	28.5m³/h	59m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	5"	2.5"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)													
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	
5VSQ15-3	Flow Q (m³/h)													
Head (m)	10	5.2	9.7	13	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	



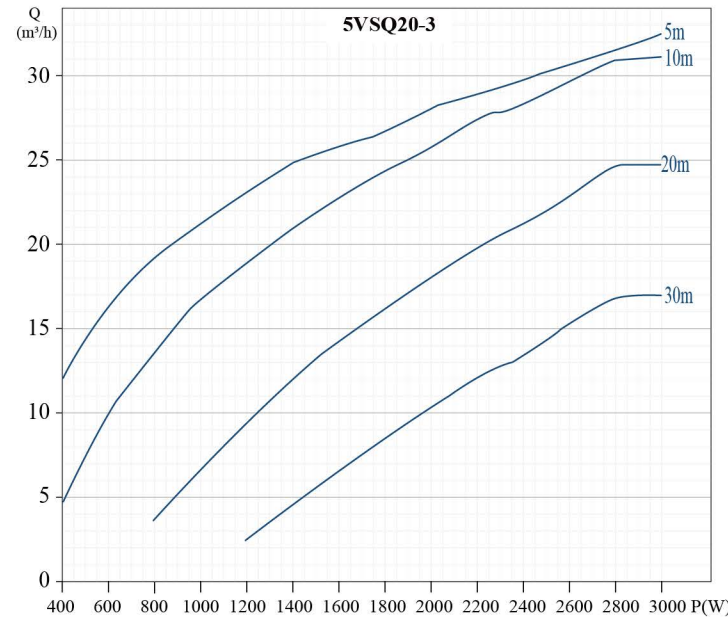
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
5VSQ20-1	2200W	32.5m³/hh	22m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	5"	2.5"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)										
	400	600	800	1000	1200	1400	1600	1800	2000	2200	
5VSQ20-1	Flow Q (m³/h)										
Head (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	



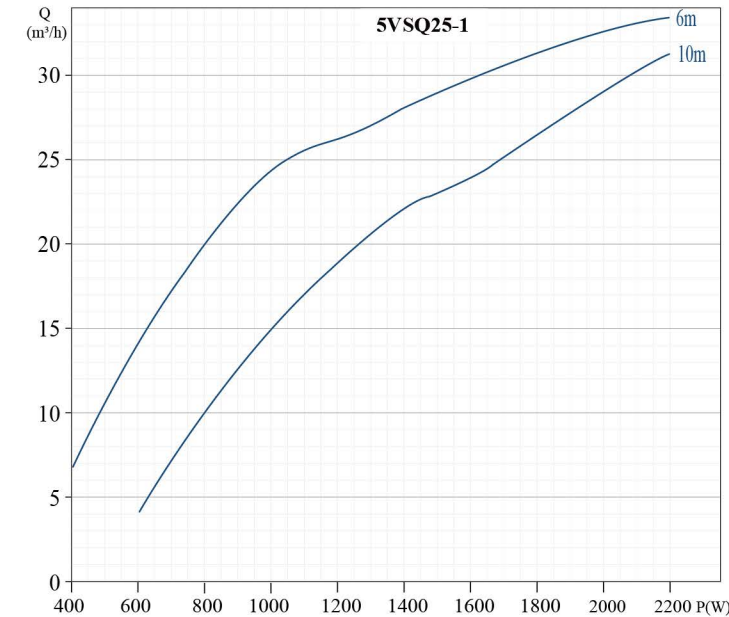
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
5VSQ20-2	2600W	33.8m³/h	41m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	5"	2.5"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)													
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	
Flow Q (m3/h)														
Head (m)	5	12	17	20	22.5	24.2	25.5	26.8	27.5	28.5	29.5	32.1	32.8	33.8
	10	3	9	13	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



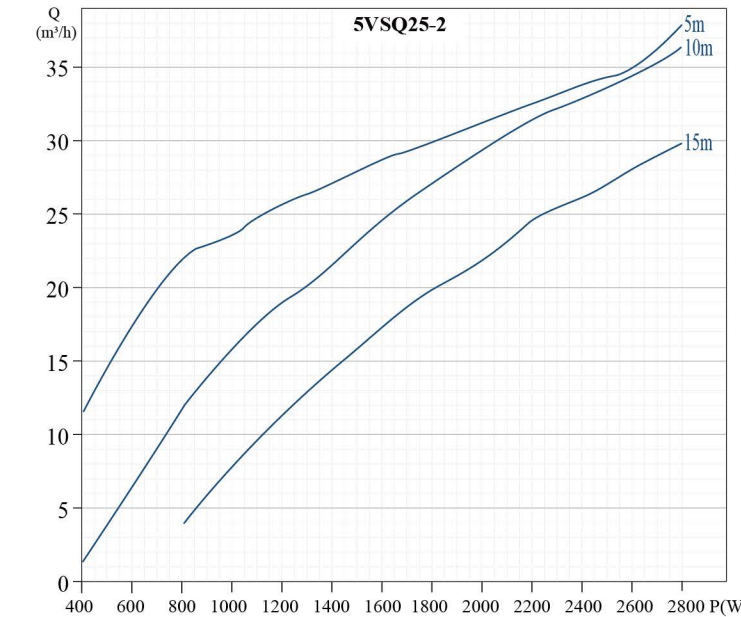
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
5VSQ20-3	3000W	32.5m³/h	64m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	5"	2.5"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)														
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	
Flow Q (m3/h)															
Head (m)	5	12	16	19	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	14	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



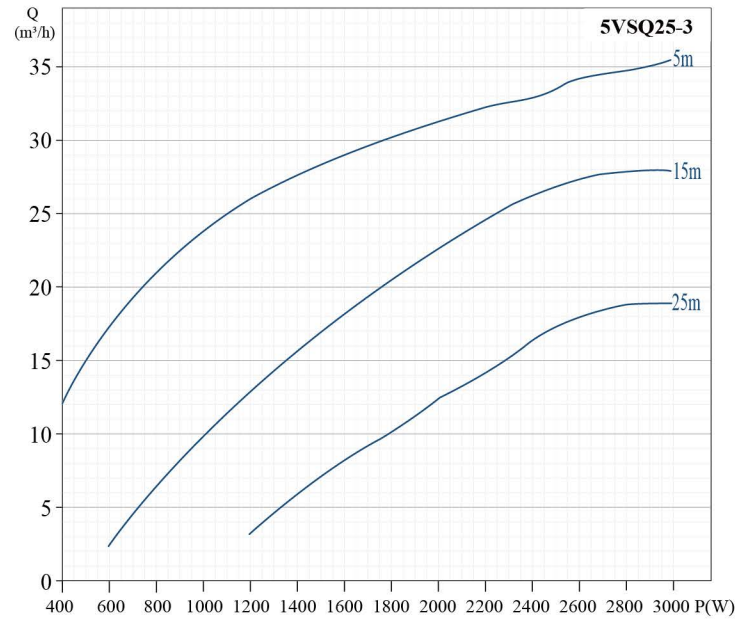
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
5VSQ25-1	2200W	33.5m³/h	21m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	5"	2.5"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)										
	400	600	800	1000	1200	1400	1600	1800	2000	2200	
Flow Q (m3/h)											
Head (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



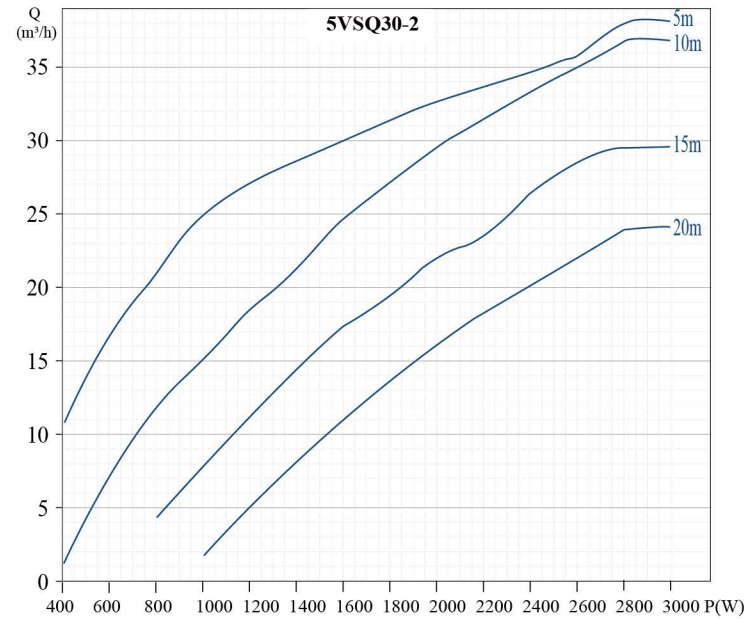
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
5VSQ25-2	2600W	38m³/h	39m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	5"	2.5"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)													
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	
Flow Q (m3/h)														
Head (m)	5	12	18	22	23.7	25.8	27.2	28.8	29.9	31.4	32.6	34	35	38
	10	1.2	6.5	12	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



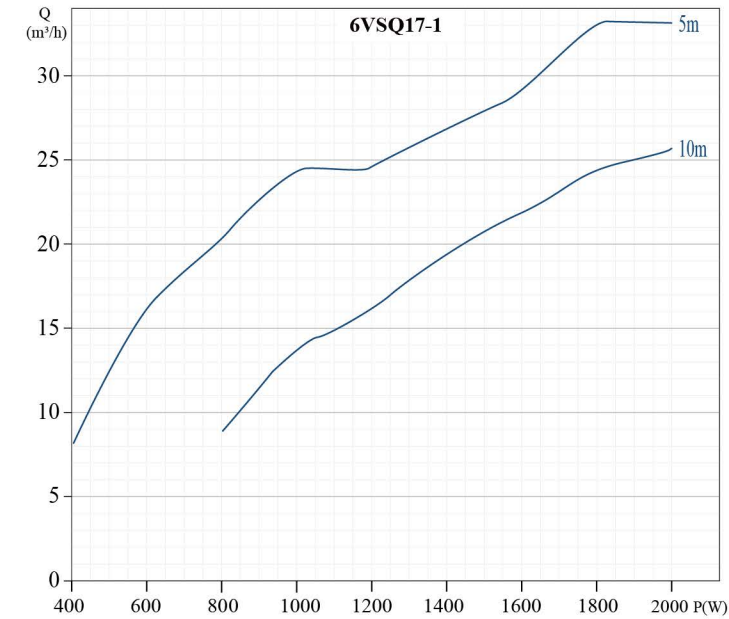
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
5VSQ25-3	3000W	35.8m³/h	54m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	5"	2.5"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)														
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	
5VSQ25-3	Flow Q (m³/h)														
Head (m)	5	12	17	21	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



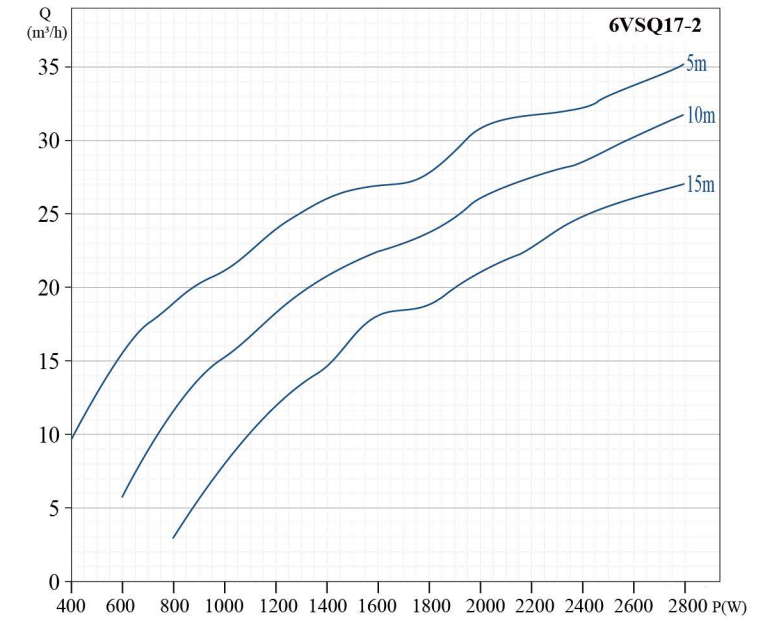
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
5VSQ30-2	3000W	38m³/h	41m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	5"	2.5"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)														
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	
5VSQ30-2	Flow Q (m³/h)														
Head (m)	5	11	17	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	12	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



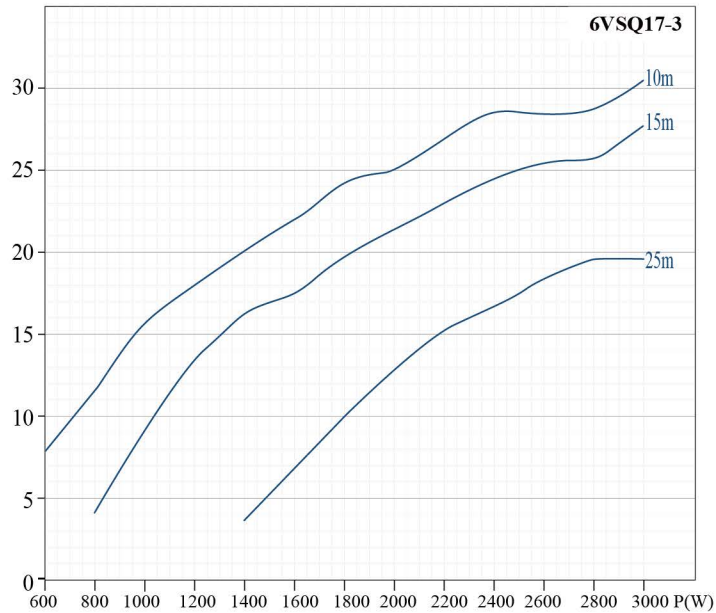
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
6VSQ17-1	1800W	37.2m³/h	22m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	6"	3"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)									
	400	600	800	1000	1200	1400	1600	1800	2000	
6VSQ17-1	Flow Q (m³/h)									
Head (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



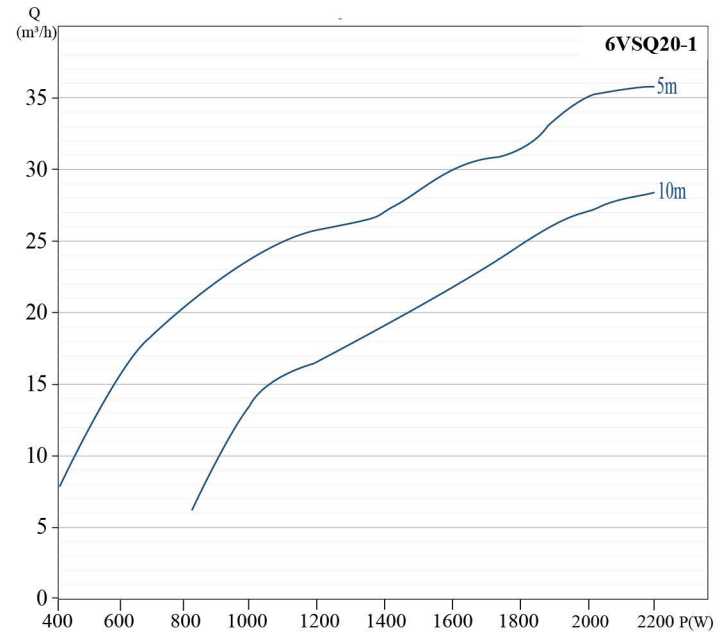
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
6VSQ17-2	2600W	35.8m³/h	38m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	6"	2.5"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)													
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	
6VSQ17-2	Flow Q (m³/h)													
Head (m)	5	9.5	15	19	21.1	23.7	26	26.8	27.6	30.7	31.7	32.2	33.6	35.2
	10	/	5.5	12	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



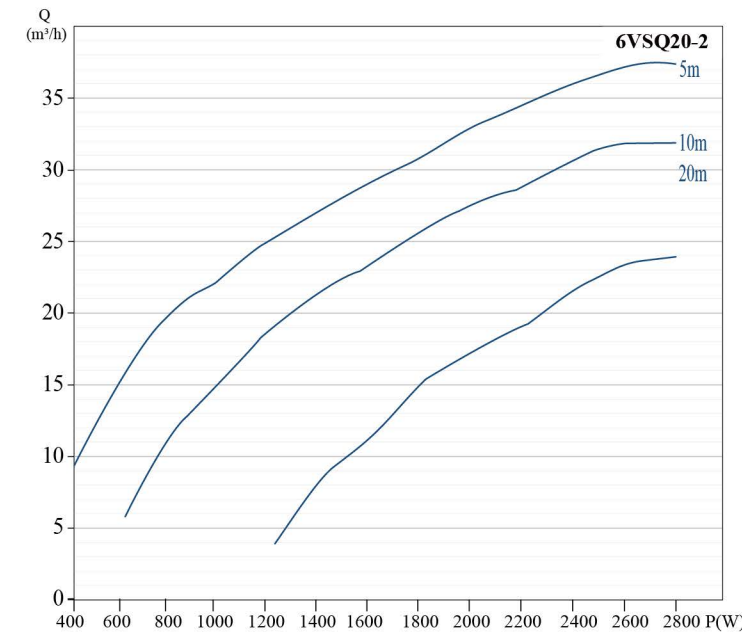
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
6VSQ17-3	3000W	35m³/h	61m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	6"	3"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)													
	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	
6VSQ17-3	Flow Q (m³/h)													
Head (m)	10	8	12	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



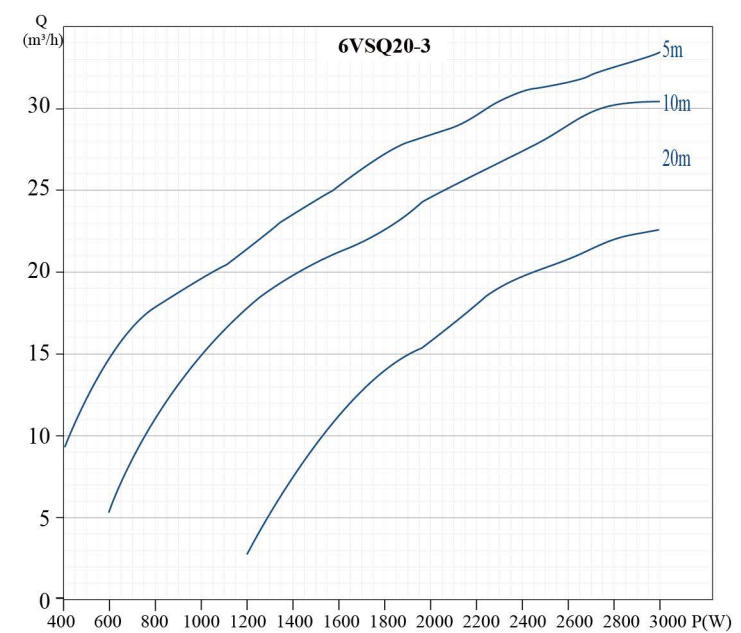
Model	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
6VSQ20-1	2200W	37.5m³/h	23m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	6"	3"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)										
	400	600	800	1000	1200	1400	1600	1800	2000	2200	
6VSQ20-1	Flow Q (m³/h)										
Head (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	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
6VSQ20-2	2600W	38.8m³/h	42m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	6"	3"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)													
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	
6VSQ20-2	Flow Q (m³/h)													
Head (m)	5	9.6	16	20	22.4	25.3	27.3	29.4	30.7	33.1	34.5	36.1	37.5	37.5
	10	/	5.5	12	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	Max. Input Power	Max. Flow	Max. Head	DC Voltage Range
6VSQ20-3	3000W	34.2m³/h	58m	60-380Vmp (60-440VOC)
Motor Speed	Pump size	Outlet	Cable	AC Voltage Range
1rpm ~ 3500rpm Automatic adjustment	6"	3"	2m	90-240V, 1~50/60Hz

Model	Input Power(W)														
	400	600	800	1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	
6VSQ20-3	Flow Q (m³/h)														
Head (m)	5	9.6	15	18	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	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

Hybrid AC/DC Solar Borehole Pump With Water Filled Motor + External Inverter



Application

1. Remote area's agriculture irrigation, Live stock feeding
2. Living water supply from borewell or river
3. Off grid desert control & Fountains, etc.

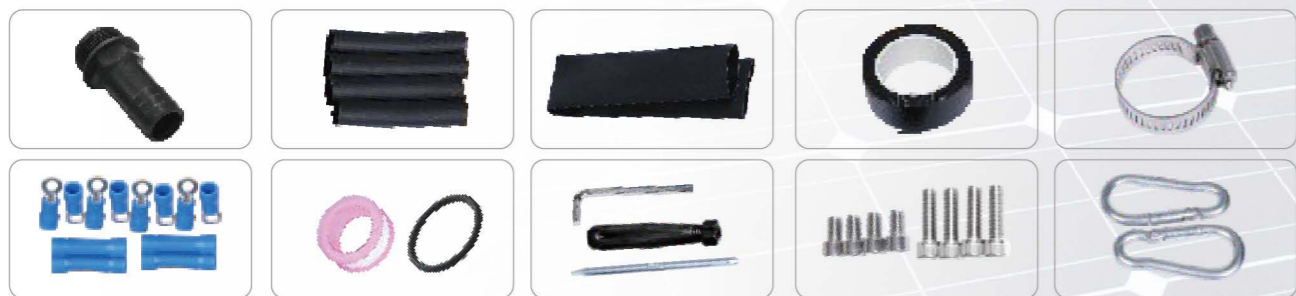
Motor Features

1. Water filled, water cooling, no pollution to pumping water
2. Reliable double shiled structure: Shiled stator & Shiled rotor
3. Insulation class F, 180 °C temperature resistant copper wire
7. Max. Submerging depth: 150m
8. IP68 Protection class

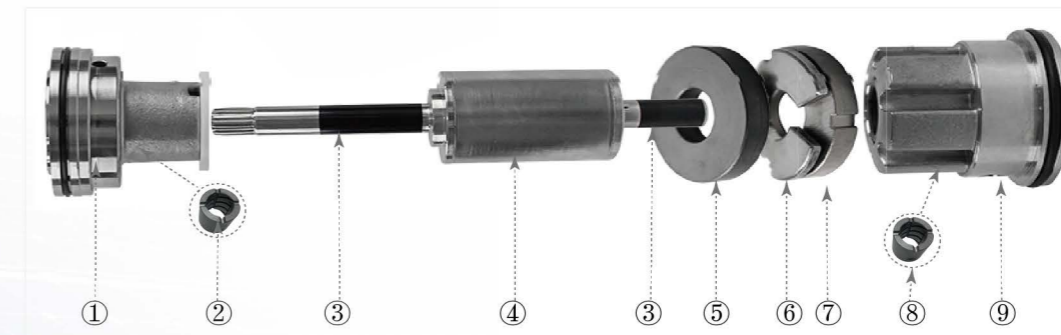
Material features

1. Whole AISI304 impeller & diffuser
4. Stator & rotor core: Good cold rolled 600 silicon steel
5. Ceramic plating process for AISI304 shaft, more wear resistant
6. Graphite bearings have strong self lubrication & corrosion resistance, Can operate reliable with water lubrication.

Free Accessories



Motor Inner Structure



- | | | |
|------------------------------|---------------------------|----------------------|
| ① Upper bearing seat | ④ Shiled rotor | ⑦ Thrust pad |
| ② Graphite bearing | ⑤ Graphite thrust bearing | ⑧ Graphite bearing |
| ③ Ceramic plating SS304shaft | ⑥ Balancing block | ⑨ Lower bearing seat |

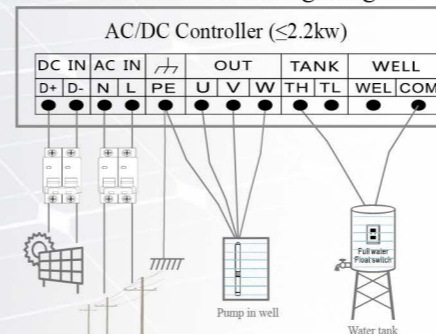


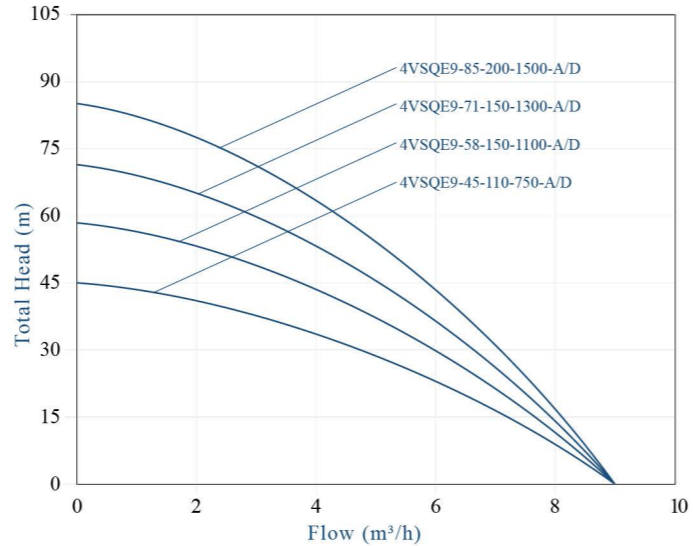
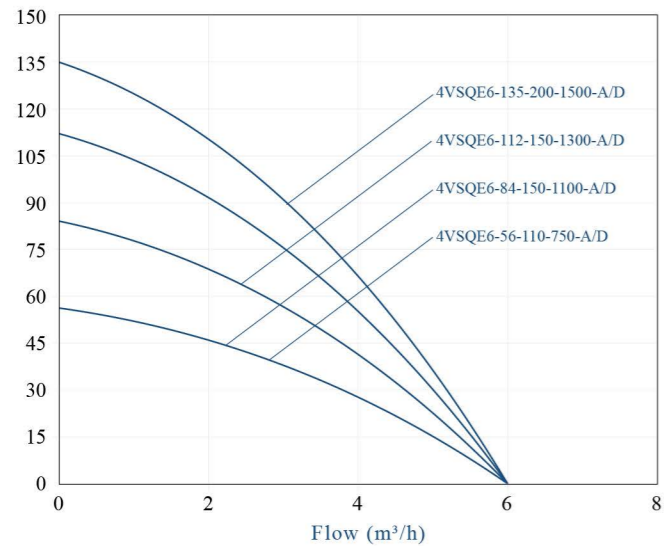
Intelligent Hybrid AC/DC Inverter Features

1. IP65 Protection class
2. Flowmeter connecting available
3. Timing switch between AC/DC
4. With MPPT function, efficiency can reach to 99%
5. Running modes: AC/DC Auto Switch, Only AC, Only DC
6. Soft start: no impact current, no water hammer damage.
7. Water level control & Outlet pressure control
8. Auto On/Off according to solar power strength
9. Auto start generator function (with Gen signal relay)
10. LCD Screen display running status & fault codes
11. Multi-protect functions: Over-voltage/Under-voltage/Over-current
Phase loss/Short circuit/Water shortage/High temperature, etc.

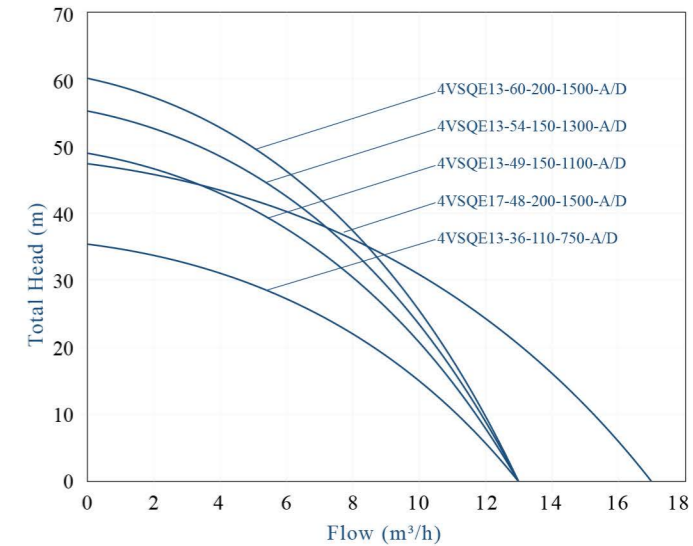
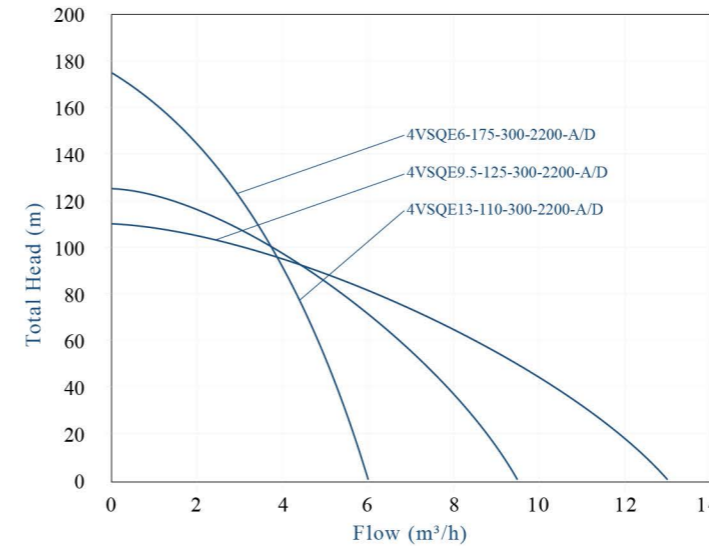


MPPT Inverter Wiring Diagram

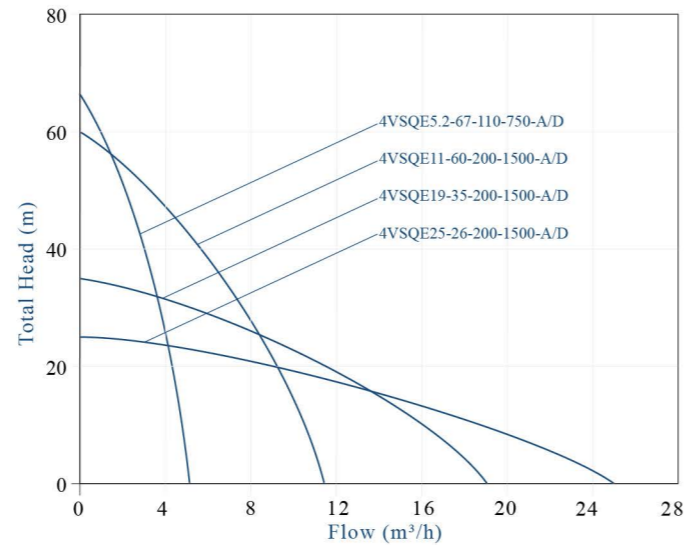
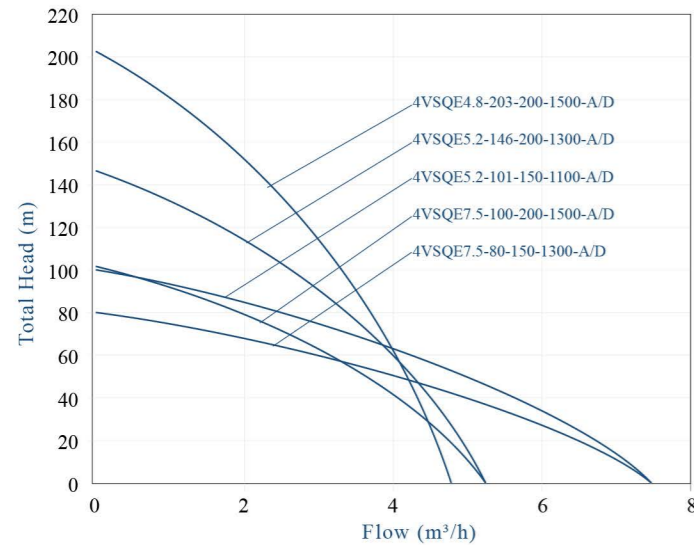




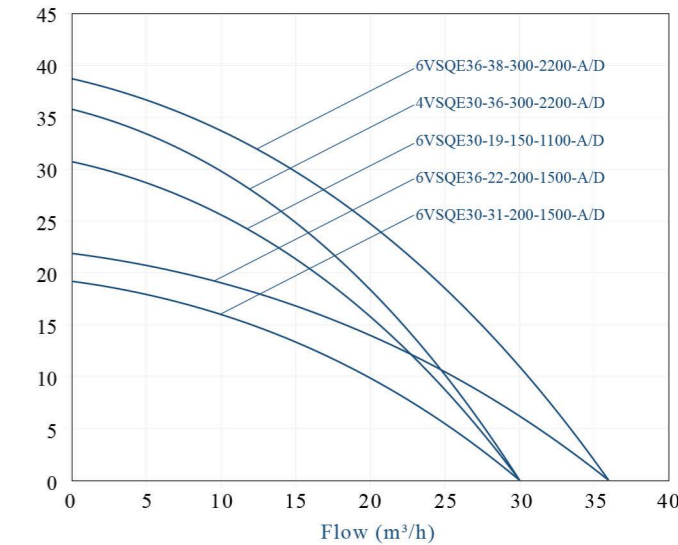
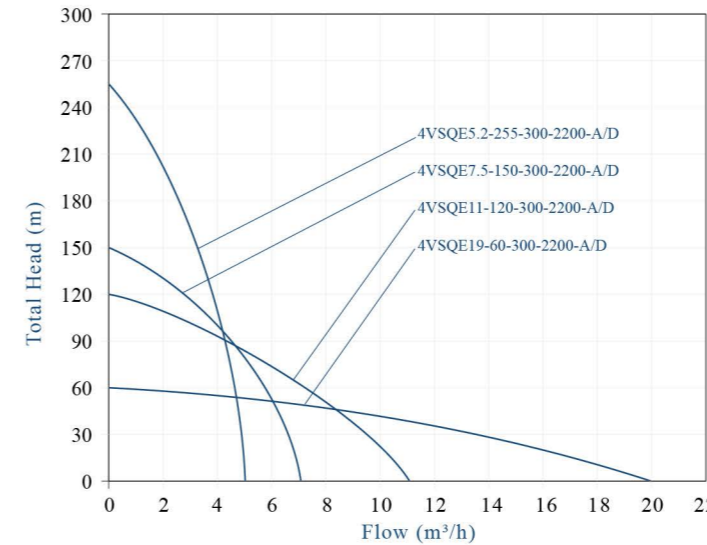
Model	Rated Power	AC Voltage Range	DC Voltage Range	Max. Flow	Max. Head	Outlet Dia.	Cable Length	Solar Panel	
								Max. Voc	Power
4VSQE6-56-110-750-A/D	750W	85V-280V	80V-430V	6 m³/h	56 m	1.25"	2m	< 430V	≥ 1.3*Pump Power
4VSQE6-84-150-1100-A/D	1100W	85V-280V	80V-430V	6 m³/h	84 m	1.25"	2m	< 430V	≥ 1.3*Pump Power
4VSQE6-112-150-1300-A/D	1300W	85V-280V	80V-430V	6 m³/h	112 m	1.25"	2m	< 430V	≥ 1.3*Pump Power
4VSQE6-135-200-1500-A/D	1500W	85V-280V	80V-430V	6 m³/h	135 m	1.25"	2m	< 430V	≥ 1.3*Pump Power
4VSQE9-45-110-750-A/D	750W	85V-280V	80V-430V	9 m³/h	45 m	2"	2m	< 430V	≥ 1.3*Pump Power
4VSQE9-58-150-1100-A/D	1100W	85V-280V	80V-430V	9 m³/h	58 m	2"	2m	< 430V	≥ 1.3*Pump Power
4VSQE9-71-150-1300-A/D	1300W	85V-280V	80V-430V	9 m³/h	71 m	2"	2m	< 430V	≥ 1.3*Pump Power
4VSQE9-85-200-1500-A/D	1500W	85V-280V	80V-430V	9 m³/h	85 m	2"	2m	< 430V	≥ 1.3*Pump Power



Model	Rated Power	AC Voltage Range	DC Voltage Range	Max. Flow	Max. Head	Outlet Dia.	Cable Length	Solar Panel	
								Max. Voc	Power
4VSQE13-36-110-750-A/D	750W	85V-280V	80V-430V	13 m³/h	36 m	2"	2m	< 430V	≥ 1.3*Pump Power
4VSQE13-49-150-1100-A/D	1100W	85V-280V	80V-430V	13 m³/h	49 m	2"	2m	< 430V	≥ 1.3*Pump Power
4VSQE13-54-150-1300-A/D	1300W	85V-280V	80V-430V	13 m³/h	54 m	2"	2m	< 430V	≥ 1.3*Pump Power
4VSQE13-60-200-1500-A/D	1500W	85V-280V	80V-430V	13 m³/h	60 m	2"	2m	< 430V	≥ 1.3*Pump Power
4VSQE17-48-200-1500-A/D	1500W	85V-280V	80V-430V	17 m³/h	48 m	2"	2m	< 430V	≥ 1.3*Pump Power
4VSQE6-175-300-2200-A/D	2200W	85V-280V	80V-430V	6 m³/h	175 m	1.25"	2m	< 430V	≥ 1.3*Pump Power
4VSQE9.5-125-300-2200-A/D	2200W	85V-280V	80V-430V	9.5 m³/h	125 m	2"	2m	< 430V	≥ 1.3*Pump Power
4VSQE13-110-300-2200-A/D	2200W	85V-280V	80V-430V	13 m³/h	110 m	2"	2m	< 430V	≥ 1.3*Pump Power



Model	Rated Power	AC Voltage Range	DC Voltage Range	Max. Flow	Max. Head	Outlet Dia.	Cable Length	Solar Panel	
								Max. Voc	Power
4VSQE5.2-67-110-750-A/D	750W	85V-280V	80V-430V	5.2 m³/h	67 m	1.25"	2m	< 430V	≥ 1.3*Pump Power
4VSQE4.8-203-200-1500-A/D	1500W	85V-280V	80V-430V	4.8 m³/h	203 m	1.25"	2m	< 430V	≥ 1.3*Pump Power
4VSQE5.2-101-150-1100-A/D	1100W	85V-280V	80V-430V	5.2 m³/h	101 m	1.25"	2m	< 430V	≥ 1.3*Pump Power
4VSQE5.2-146-200-1300-A/D	1300W	85V-280V	80V-430V	5.2 m³/h	146 m	1.25"	2m	< 430V	≥ 1.3*Pump Power
4VSQE7.5-80-150-1300-A/D	1300W	85V-280V	80V-430V	7.5 m³/h	80 m	1.25"	2m	< 430V	≥ 1.3*Pump Power
4VSQE7.5-100-200-1500-A/D	1500W	85V-280V	80V-430V	7.5 m³/h	100 m	1.25"	2m	< 430V	≥ 1.3*Pump Power
4VSQE11-60-200-1500-A/D	1500W	85V-280V	80V-430V	11 m³/h	60 m	2"	2m	< 430V	≥ 1.3*Pump Power
4VSQE19-35-200-1500-A/D	1500W	85V-280V	80V-430V	19 m³/h	35 m	2"	2m	< 430V	≥ 1.3*Pump Power
4VSQE25-26-200-1500-A/D	1500W	85V-280V	80V-430V	25 m³/h	26 m	2"	2m	< 430V	≥ 1.3*Pump Power



Model	Rated Power	AC Voltage Range	DC Voltage Range	Max. Flow	Max. Head	Outlet Dia.	Cable Length	Solar Panel	
								Max. Voc	Power
6VSQE30-19-150-1100-A/D	1100W	85V-280V	80V-430V	30 m³/h	19 m	3"	2m	< 430V	≥ 1.3*Pump Power
6VSQE36-22-200-1500-A/D	1500W	85V-280V	80V-430V	36 m³/h	22 m	3"	2m	< 430V	≥ 1.3*Pump Power
6VSQE30-31-200-1500-A/D	1500W	85V-280V	80V-430V	30 m³/h	31 m	3"	2m	< 430V	≥ 1.3*Pump Power
4VSQE5.2-255-300-2200-A/D	2200W	85V-280V	80V-430V	5.2 m³/h	255 m	1.25"	2m	< 430V	≥ 1.3*Pump Power
4VSQE7.5-150-300-2200-A/D	2200W	85V-280V	80V-430V	7.5 m³/h	150 m	1.25"	2m	< 430V	≥ 1.3*Pump Power
4VSQE11-120-300-2200-A/D	2200W	85V-280V	80V-430V	11 m³/h	120 m	2"	2m	< 430V	≥ 1.3*Pump Power
4VSQE19-60-300-2200-A/D	2200W	85V-280V	80V-430V	19 m³/h	60 m	2"	2m	< 430V	≥ 1.3*Pump Power
4VSQE30-36-300-2200-A/D	2200W	85V-280V	80V-430V	30 m³/h	36 m	2"	2m	< 430V	≥ 1.3*Pump Power
6VSQE36-38-300-2200-A/D	2200W	85V-280V	80V-430V	36 m³/h	38 m	3"	2m	< 430V	≥ 1.3*Pump Power