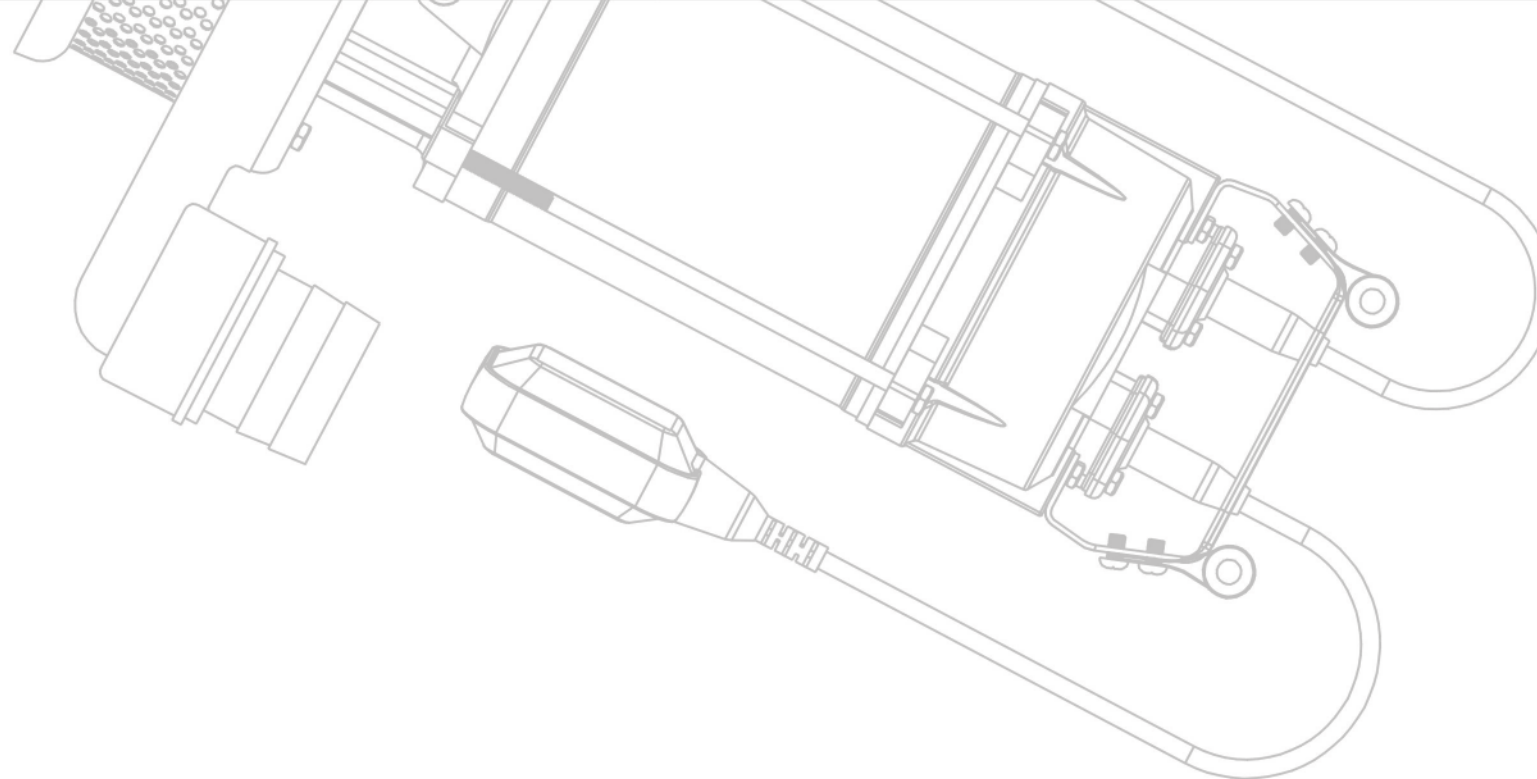
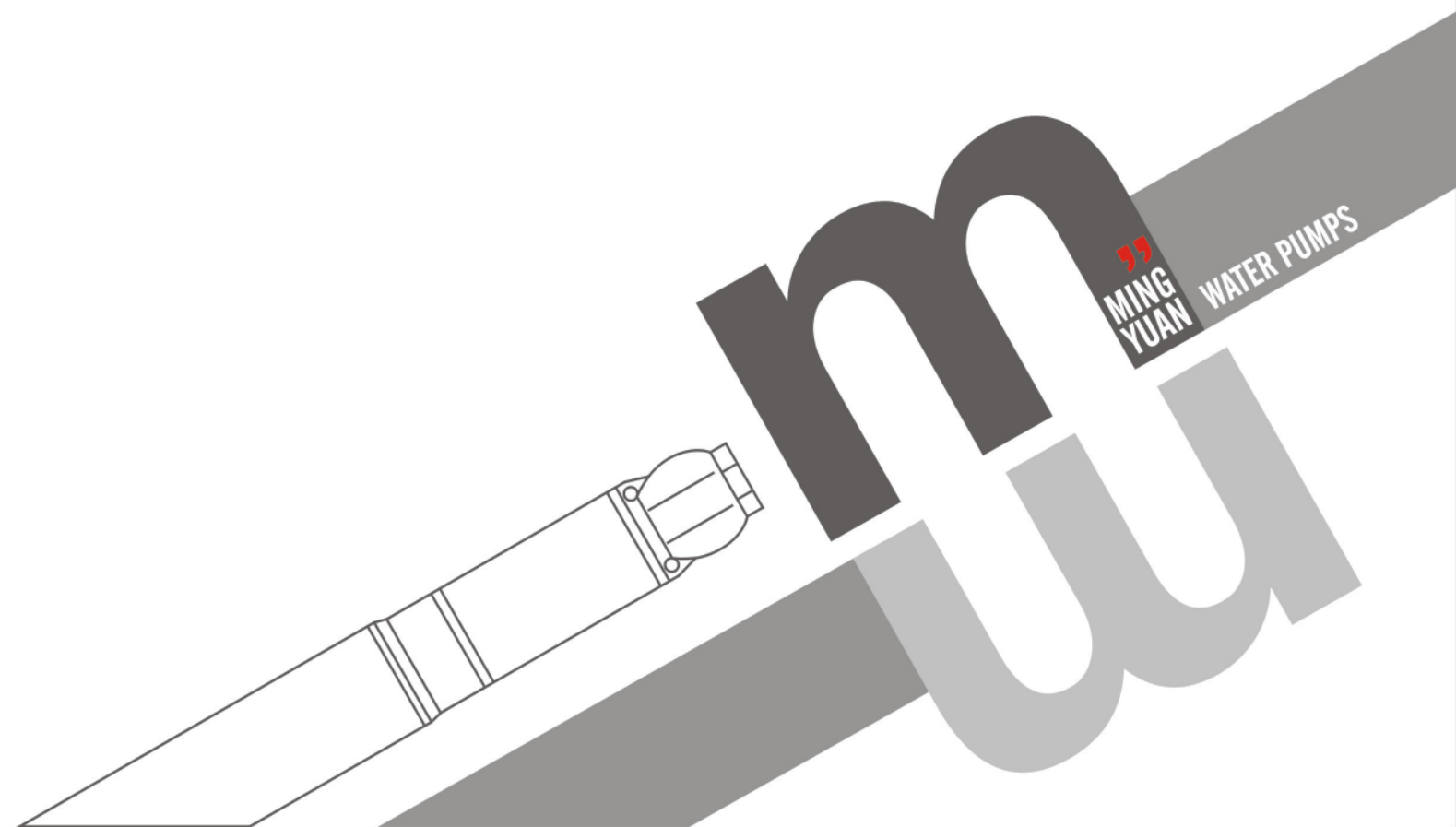




MINGYUAN
water pumps manual
Enjoy living, love water



ZHEJIANG MINGYUAN PUMP CO.,LTD.
Add:Henghou Industrial Zone,Daxi Town,Wenling City,Zhejiang,China
Tel: +8615601795927 (Foreign trade department) 86231888(office)
Fax:0086-576-86231111
Http://www.mingyuanpump.com www.zjmingyuan.en.alibaba.com
E-mail:my@mingyuanpump.com tianyiuk@qq.com



about US MINGYUAN

Zhejiang MingYuan Pump Co.,Ltd, is located in the Liangshan Industrial District of Wenling which is called "Pump town of China". It is near the 104 national highway and G15 highway by following the Daxi exit.

MingYuan is a professional production enterprise which integrates the research, design, production and sale of water pumps. The company founded in 1988, has been devoted to innovation in science, technology, management, development of comprehensive market demands for industrial and mining enterprises, construction sites, urban water supply, agriculture irrigation, high-rise building water supply, fire industrial water treatment, sewage treatment and other industry pumps.

The company's leading products include: 3SDM, 3.5SDM, 4SDM, YQJD series of stainless steel deep well pump, QGD series of screw submersible pump, QXD, QD series of small submersible pump, QY series of oil submersible pump, WQD, WQ series of sewage submersible pump, WQV, WQK series of cutting sewage submersible pump, WZB, QB, CPM, DTM, JET series of land pump, RG, ISG, SGR and S G series of pipeline pump.



The company has obtained national production licenses for industrial products, agriculture machinery, achieved the ISO9001:2015 quality management system certification and the ISO14001 environment management system certificate.

MingYuan has always been based on integrity and honesty with the production of quality products as its core mission together with the development of products to meet the needs of the market. Our goal is to produce the best quality and service to your needs.



Enjoy living water

The world is moved by technology and the future moves by ideals.
The advancement of science and technology carries the ideals of time.
Each product is a moving story with the innovation of thinking condenses the feelings of MingYuan Pump Industry. In the journey beyond itself – imagine what the future would look like.



Contents

MINGYUAN
BOUTIQUE
PUMP COLLECTION

01	WQD/QG SERIES CUTTING SYSTEM SUBMERSIBLE SEWAGE PUMP
03	WQV SERIES CUTTING SYSTEM SUBMERSIBLE SEWAGE PUMP
05	WQV SERIES SYSTEM SUBMERSIBLE SEWAGE PUMP
07	WQV SERIES SYSTEM SUBMERSIBLE SEWAGE PUMP
09	QDX SERIES SUBMERSIBLE PUMP
11	QDX SERIES SUBMERSIBLE PUMP
13	QDX/B SERIES STAINLESS STEEL SUBMERSIBLE PUMP
15	SPA SERIES STAINLESS STEEL SUBMERSIBLE PUMP
17	SPA SERIES STAINLESS STEEL SUBMERSIBLE PUMP
19	3SDM MULTISTAGE DEEP WELLSUBMERSIBLE PUMP
21	4SDM MULTISTAGE DEEP WELLSUBMERSIBLE PUMP
27	4SP MULTISTAGE DEEP WELLSUBMERSIBLE PUMP
32	Y150QJ SERIES DEEP WELLSUBMERSIBLE PUMP
35	6SP STAINLESS STEEL SUBMERSIBLE PUMP
39	4SK MULTISTAGE SUBMERSIBLE PUMP
41	WQ SERIES SUBMERSIBLE SEWAGE PUMP
45	WQD SERIES SUBMERSIBLE SEWAGE PUMP
47	WQX SERIES ENGINEERING SUBMERSIBLE PUMP
49	QXN SERIES ENGINEERING SUBMERSIBLE PUMP
51	SCM SERIES ENGINEERING SUBMERSIBLE PUMP
53	QY SERIES OIL-IMMERSED SUBMERSIBLE PUMP
55	QYN SERIES ENGINEERING SUBMERSIBLE PUMP
57	QYH SERIES ENGINEERING SUBMERSIBLE PUMP
59	QD SERIES ENGINEERING SUBMERSIBLE PUMP
61	QD SERIES ENGINEERING SUBMERSIBLE PUMP
63	CPM/DTM SERIES ENGINEERING SUBMERSIBLE PUMP
65	JET SERIES SELF-PRIMING PUMP
67	QDWF(J) SERIES STAINLESS STEEL HORIZONTAL MULTI-STAGE CENTRIFUGAL PUMP
70	QDLF SERIES STAINLESS STEEL HORIZONTAL MULTI-STAGE CENTRIFUGAL PUMP

Product Overview

The WQV Series stainless cutting submersible pump is the most recent and efficient sewage cutter pump currently on the market. The pump cutter has a high quality machinery seal and three motor parts. Each fixed static seal is made of a double mechanical seal, O-Shaped oil resistant rubber sealing ring.



Application

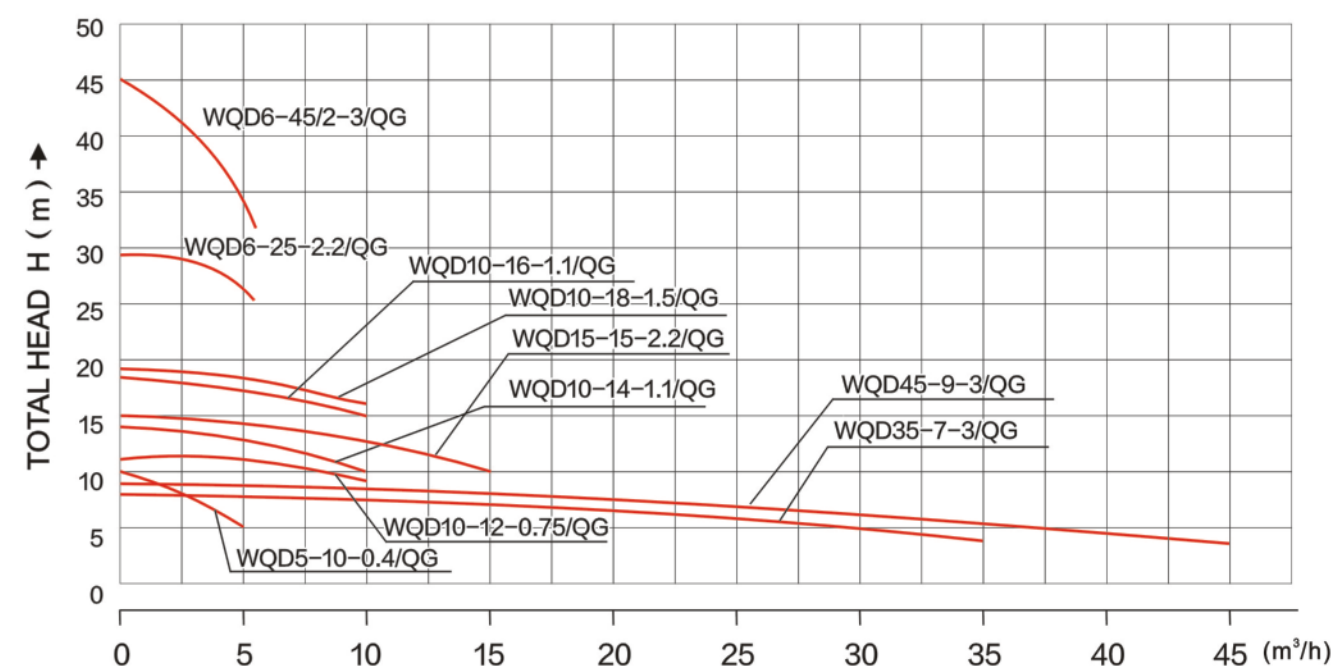
The Stainless Cutting Sewage Pump is widely used in **municipal sewage systems, construction, hotels, mines, industrial companies and municipal safety**. Other places which could be used for pumping are: Mud, mortar, wastewater, sewage manure and fixed granules/ short fibres, paper scraps, sediment, etc. It is an excellent equipment for river dredging!

Service conditions

The pump can work continuously on these conditions:

- 1) The working volume ratio of solid impurities does not exceed 2%
- 2) Water Temperature < 40℃ PH 4-10
- 3) Use within the max head range
- 4) The pump should be completely submerged in water and diving depth should not exceed 5m (Not in sludge)

PERFORMANCE CHART AT n=2860r/min



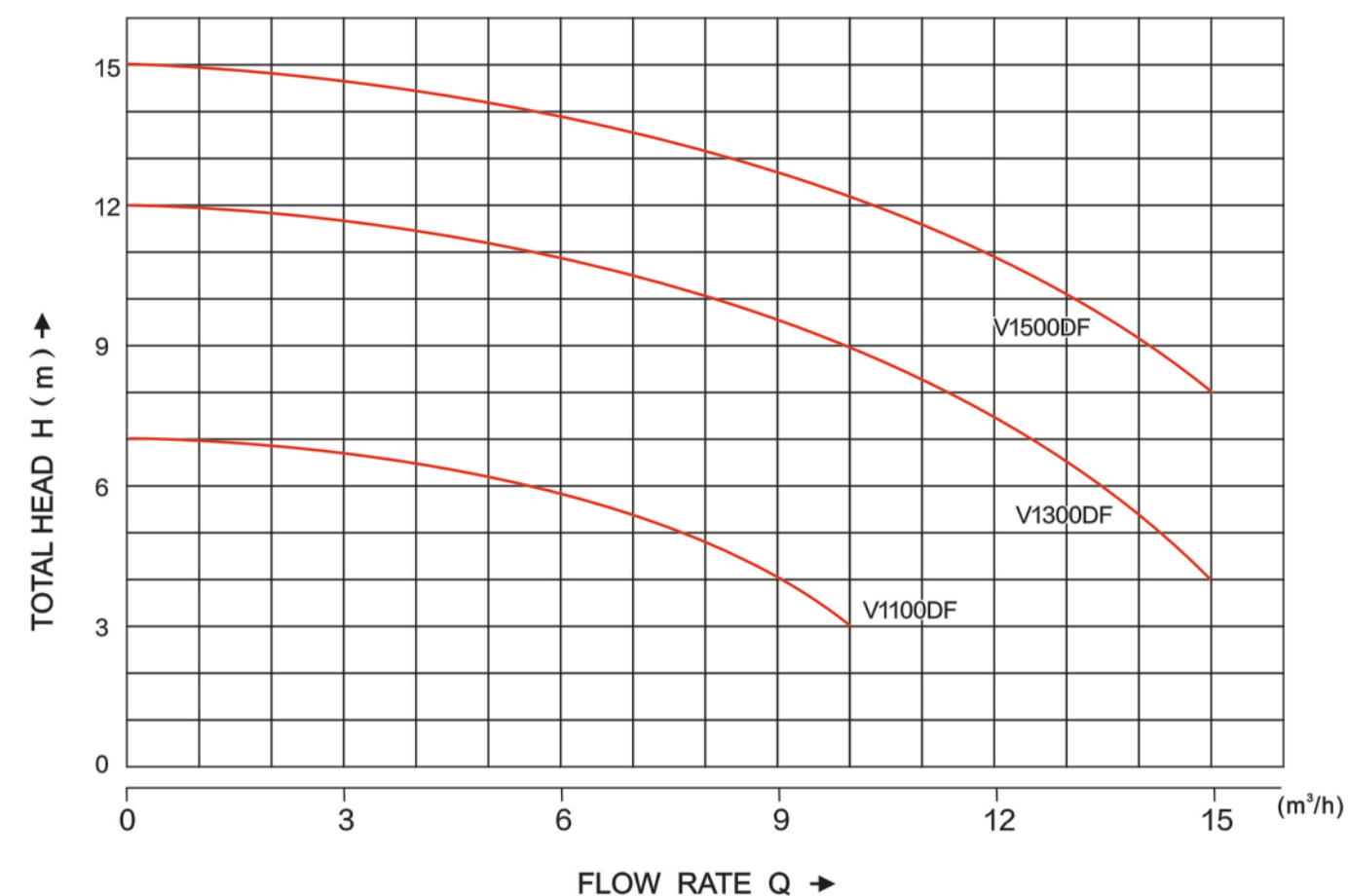
Model	Power		Voltage Frequency (V/Hz)	Rotational speed (r/min)	Rated Flow(m³/h)	Rated Head (m)	Outlet Diameter (mm)
	kW	HP					
WQD5-10-0.4/QG	0.4	0.55	220/50	2860	5	10	40
WQD10-12-0.75/QG	0.75	1	220/50	2860	10	12	50
WQD10-14-1.1/QG	1.1	1.5	220/50	2860	10	14	50
WQD10-16-1.1/QG	1.1	1.5	220/50	2860	10	16	50
WQD10-18-1.5/QG	1.5	2	220/50	2860	10	18	50
WQD6-25-2.2/QG	2.2	3	220/50	2860	6	25	50
WQD15-15-2.2/QG	2.2	3	220/50	2860	15	15	50
WQD35-7-3/QG	3	4	220/50	2860	35	7	80
WQD45-9-3/QG	3	4	220/50	2860	45	9	100
WQD6-45/2-3/QG	3	4	220/50	2860	6	45	50

Condition of usage:

1. The maximum deep it is allowed in water is 5m from its center of impeller;
2. The trans medium's temperature shouldn't be higher than 40℃;
3. The trans medium's pH scope is from 4~10;
4. The kinematics viscosity of the trans medium is $7 \times 10^{-7} \sim 23 \times 10^{-6} \text{m}^2/\text{s}$;
5. The maximum density of the trans medium is $1.2 \times 10^3 \text{kg}/\text{m}^3$.

Function and feature:

The submersible pump with cutter is an ideal machine for draining sewage. A high-speed rotation cutter is assembled at the inlet hole of the pump, making it easy to cut off long fibre and firm sundries contained in the sewage, to avoid that the impeller is blocked by the entanglement. It is suitable for **draining sewage sanitation, factories, mining and domestic use**. The float switch can automatically control the "on" and "off" switch based on the liquid level. The safety switch in the motor can automatically cut off the power, when it overheats or overcuts. This will guarantee the security and reliability of the pump's running, even in atrocious environments.



Model	Power		Voltage Frequency (V/Hz)	Rotational speed (r/min)	Rated Flow(m³/h)	Rated Head (m)	Outlet Diameter (mm)
	kW	HP					
V1100DF	1.1	1.5	220/50	2860	10	7	50
V1300DF	1.3	1.8	220/50	2860	15	12	50
V1500DF	1.5	2	220/50	2860	15	15	50

Condition of usage

1. The maximum deep it is allowed in water is 5m from its center of impeller;
2. The trans medium's temperature shouldn't be higher than 40℃;
3. The trans mediums pH scope is from 4~10
4. The kinematics viscosity of the trans medium is $7 \times 10^{-7} \sim 23 \times 10^{-6} \text{m}^2/\text{s}$
5. The maximum density of the trans medium is $1.2 \times 10 \text{kg}^3/\text{m}^3$

Model Specification

WQ V 3 - 5 - 0.25

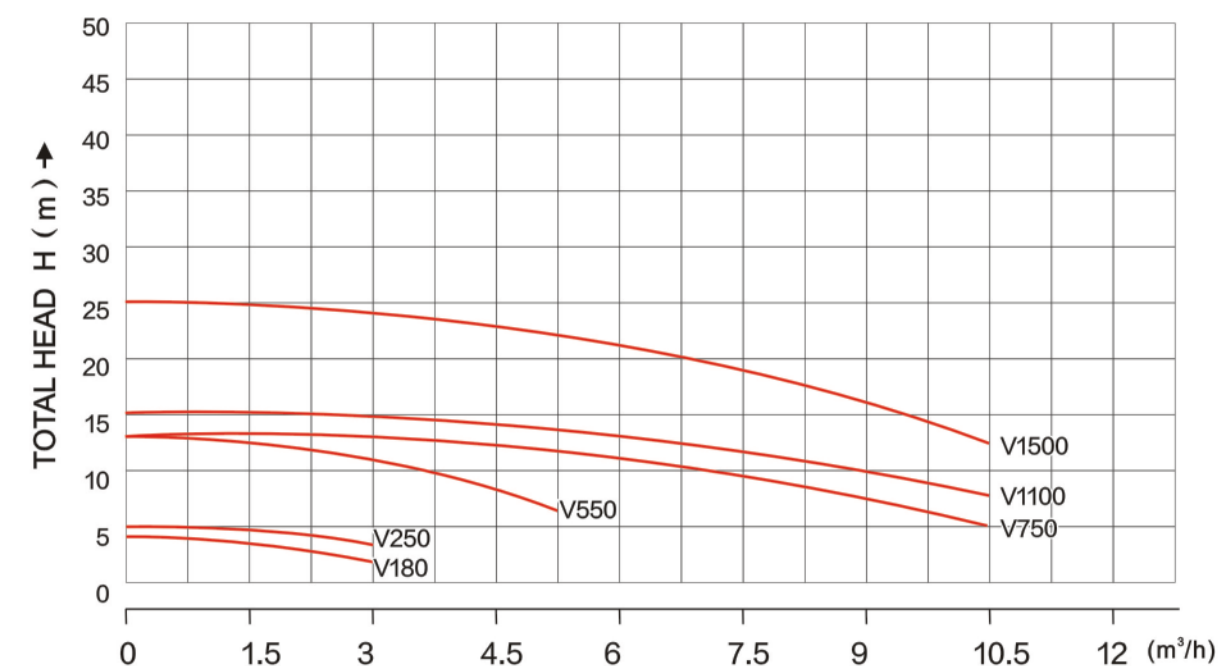
Rated Power(KW)
Rated Head(m)
Rated Flow(m^3/h)
Improved
submersible pump



Function and feature:

The submersible pump with cutter is an ideal machine for draining sewage. A high-speed rotation cutter is assembled at the inlet hole of the pump, making it easy to cut off long fibre and firm sundries contained in the sewage, to avoid that the impeller is blocked by the entanglement. It is suitable for **draining sewage sanitation, factories, mining and domestic use**. The float switch can automatically control the “on” and “off” switch based on the liquid level. The safety switch in the motor can automatically cut off the power, when it overheats or overcuts. This will guarantee the security and reliability of the pump's running, even in atrocious environments.

PERFORMANCE CHART AT $n=2860\text{r/min}$



Model	Power		Voltage Frequency (V/Hz)	Rotational speed (r/min)	Rated Flow(m^3/h)	Rated Head (m)	Outlet Diameter (mm)
	kW	HP					
V180	0.18	0.25	220/50	2860	3	4	25
V250	0.25	0.35	220/50	2860	3	5	25
V550	0.55	0.75	220/50	2860	5	12	50
V750	0.75	1	220/50	2860	10	12	50
V1100	1.1	1.5	220/50	2860	10	15	50
V1500	1.5	2	220/50	2860	10	25	50

Condition of usage

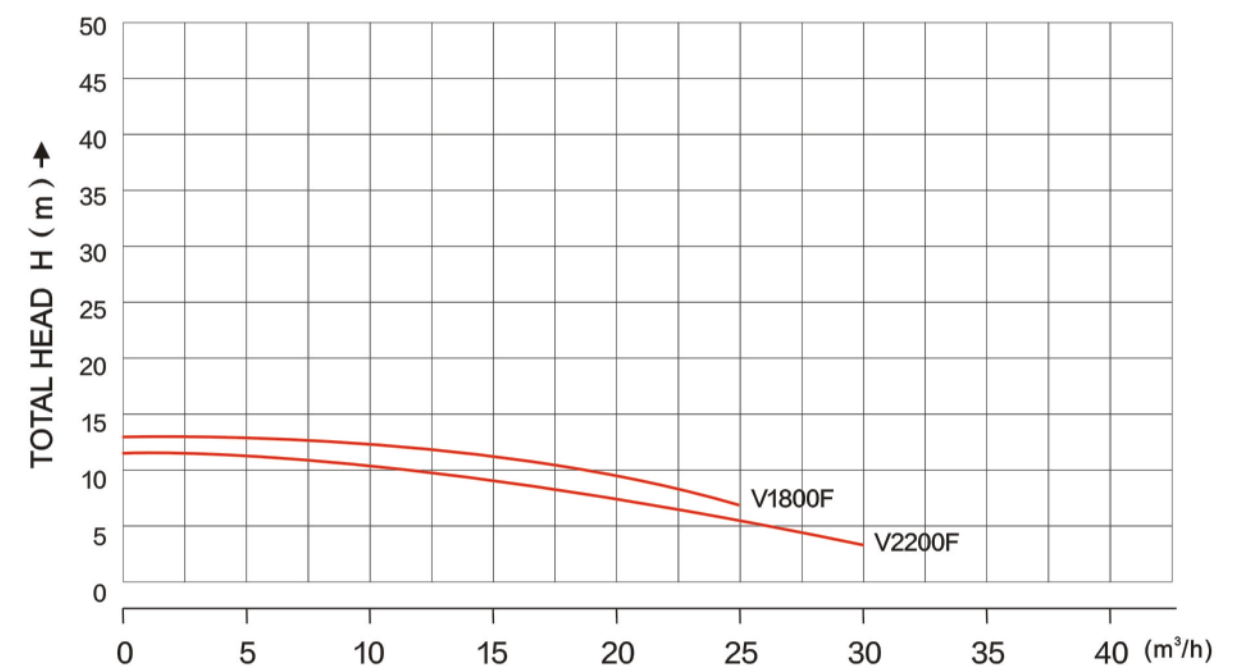
1. The maximum deep it is allowed in water is 5m from its center of impeller;
2. The trans medium's temperature shouldn't be higher than 40°C;
3. The trans mediums pH scope is from 4-10
4. The kinematics viscosity of the trans medium is $7 \times 10^{-7} \sim 23 \times 10^{-6} \text{m}^2/\text{s}$
5. The maximum density of the trans medium is $1.2 \times 10 \text{kg}^3/\text{m}^3$



Function and feature:

The advanced WQV series pumps, will be your ideal drainage helper. The letter “V” which substitutes for the letters “WQ” indicates the distinct design of the filter and the broadness of the high efficiency area. It can work safely and efficient at a high flux rate with the features of complete heads. The pump is designed for a wide tunnel, which helps to convey the long fibre liquid or solids with a diameter for 35mm. The selection of bottom suction structure, stainless steel and special cast made from iron, has the capability to be completely submersed and be highly resistant to abrasion and corrosion. The float switch can automatically control the “on” and “off” switch based on the liquid level. The safety switch in the motor can automatically cut off the power, when it overheats or overloads. This will guarantee the security and reliability of the pump’ s running, even in atrocious environments.

PERFORMANCE CHART AT $n=2860\text{r/min}$

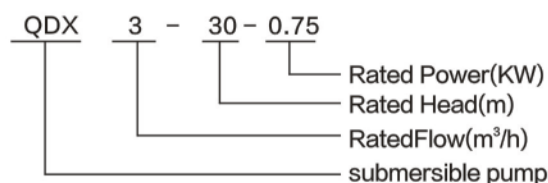


Model	Power		Voltage Frequency (V/Hz)	Rotational speed (r/min)	Rated Flow(m³/h)	Rated Head (m)	Outlet Diameter (mm)
	kW	HP					
V1800F	1.8	2.5	220/50	2860	25	12	80
V2200F	2.2	3	220/50	2860	30	11	80

Condition of usage:

- 1.The depth for the electrical pump below the water is no more than 5m;
- 2.The temperature of the water is no higher of 40°C ;
- 3.The pH figure of the water is between 6. 5~8.5;
- 4.The grain diameter of the solids in the water is no bigger than 0. 2mm.

Model Specification



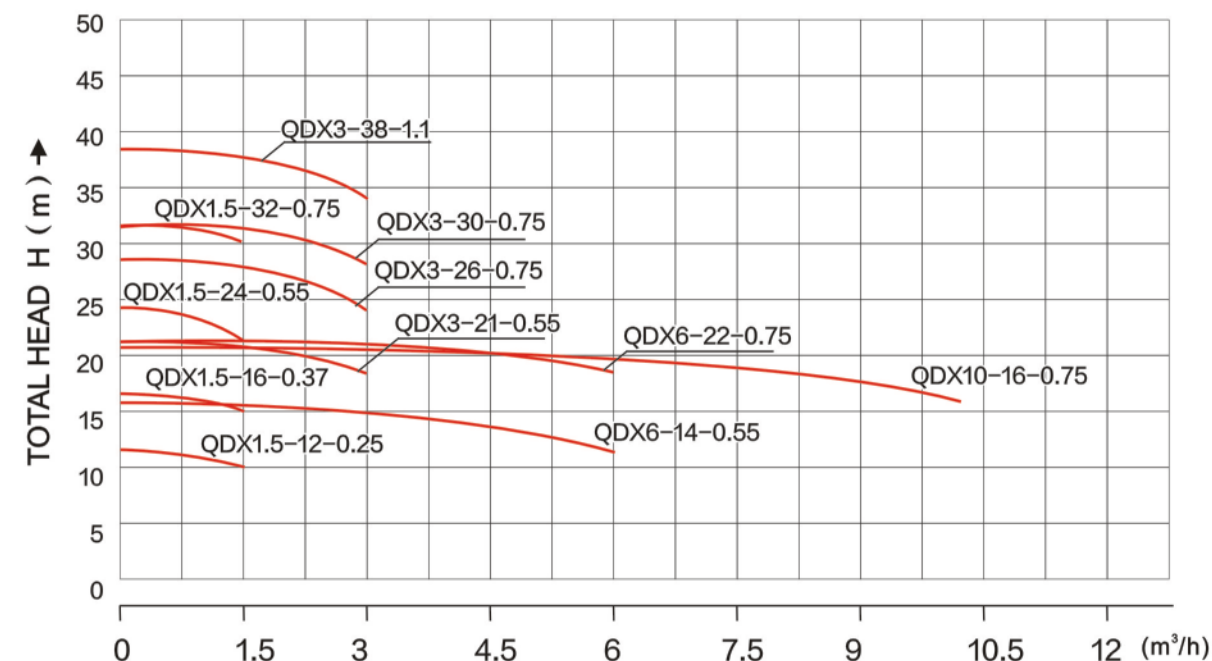
Products introduction:

The QDX submersible pump series consists of a mechanical seal and motor. The motor is at the bottom part of the pump, which is an adopted centrifugal impeller. The motor is a single phased motor which is at the upper part of the pump. A seal is used to combine the upper part of the pump and the motor. The seal is a double-end mechanical seal with “O” rings used for all static joints.

Main Application:

This pump series is small and light, which is commonly used in rural areas for the elevation of water from **wells**, **irrigation**, **sprinkling** and **domestic water supply**. It can also be used in draining off water for **fish ponds** and **building sites**.

PERFORMANCE CHART AT n=2860r/min

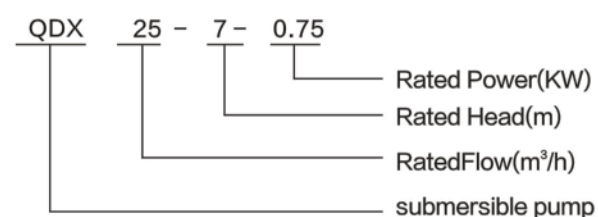


Model	Power		Voltage Frequency (V/Hz)	Rotational speed (r/min)	Rated Flow(m³/h)	Rated Head (m)	Outlet Diameter (mm)
	kW	HP					
QDX1.5-12-0.25	0.25	0.35	220/50	2860	1.5	12	25
QDX1.5-16-0.37	0.37	0.5	220/50	2860	1.5	16	25
QDX1.5-24-0.55	0.55	0.75	220/50	2860	1.5	24	25
QDX3-21-0.55	0.55	0.75	220/50	2860	3	21	25
QDX6-14-0.55	0.55	0.75	220/50	2860	6	14	40
QDX1.5-32-0.75	0.75	1	220/50	2860	1.5	32	25
QDX3-26-0.75	0.75	1	220/50	2860	3	26	25
QDX3-30-0.75	0.75	1	220/50	2860	3	30	25
QDX6-22-0.75	0.75	1	220/50	2860	6	22	40
QDX10-16-0.75	0.75	1	220/50	2860	10	16	50
QDX3-38-1.1	1.1	1.5	220/50	2860	3	38	25

Condition of usage:

- 1.The depth for the electrical pump below the water is no more than 5m;
- 2.The temperature of the water is no higher of 40°C ;
- 3.The pH figure of the water is between 6. 5~8.5;
- 4.The grain diameter of the solids in the water is no bigger than 0. 2mm.

Model Specification

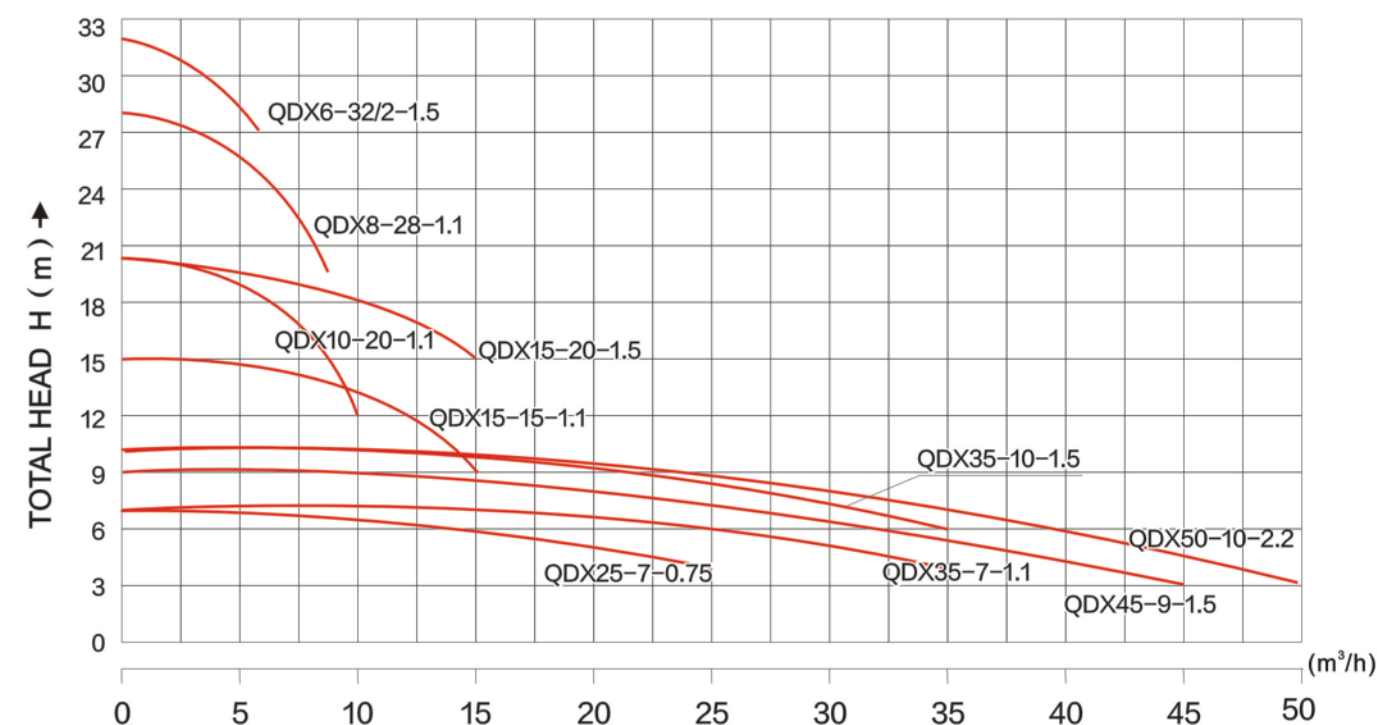


Products introduction:

The QDX submersible pump series consists of a mechanical seal and motor. The motor is at the bottom part of the pump, which is an adopted centrifugal impeller. The motor is a single phased motor which is at the upper part of the pump. A seal is used to combine the upper part of the pump and the motor. The seal is a double-end mechanical seal with “O” rings used for all static joints.

Main Application:

This pump series is small and light, which is commonly used in rural areas for the elevation of water from **wells, irrigation, sprinkling** and **domestic water supply**. It can also be used in draining off water for **fish ponds** and **building sites**.



Model	Power		Voltage Frequency (V/Hz)	Rotational speed (r/min)	Rated Flow(m³/h)	Rated Head (m)	Outlet Diameter (mm)
	kW	HP					
QDX25-7-0.75	0.75	1	220/50	2860	25	7	65
QDX8-28-1.1	1.1	1.5	220/50	2860	8	28	50
QDX10-20-1.1	1.1	1.5	220/50	2860	10	20	50
QDX15-15-1.1	1.1	1.5	220/50	2860	15	15	65
QDX35-7-1.1	1.1	1.5	220/50	2860	35	7	80
QDX6-32/2-1.5	1.5	2	220/50	2860	6	32	50
QDX15-20-1.5	1.5	2	220/50	2860	15	20	65
QDX35-10-1.5	1.5	2	220/50	2860	35	10	80
QDX45-9-1.5	1.5	2	220/50	2860	45	9	100
QDX50-10-2.2	2.2	3	220/50	2860	50	10	100

Condition of usage:

1. The volume ratio of the sand content in the medium does not exceed 0.10%, and the particle size is not more than 0.20 mm.
2. The temperature of the medium does not exceed 40 ° C, and the pH of the medium is between 6.5 and 8.5.
3. The electric pump should be used within the range of use near the specified head.
4. The electric pump should be completely immersed in water, and the depth of diving should not exceed 5m.the electric pump is more than 0.5m from the bottom of the water, but it should not fall into the mud.
5. The power frequency is 50Hz, the voltage single phase is 220V, and the three phase is 380V.
the voltage fluctuation range is 0.9-1.1 times the rated value.

Products introduction:

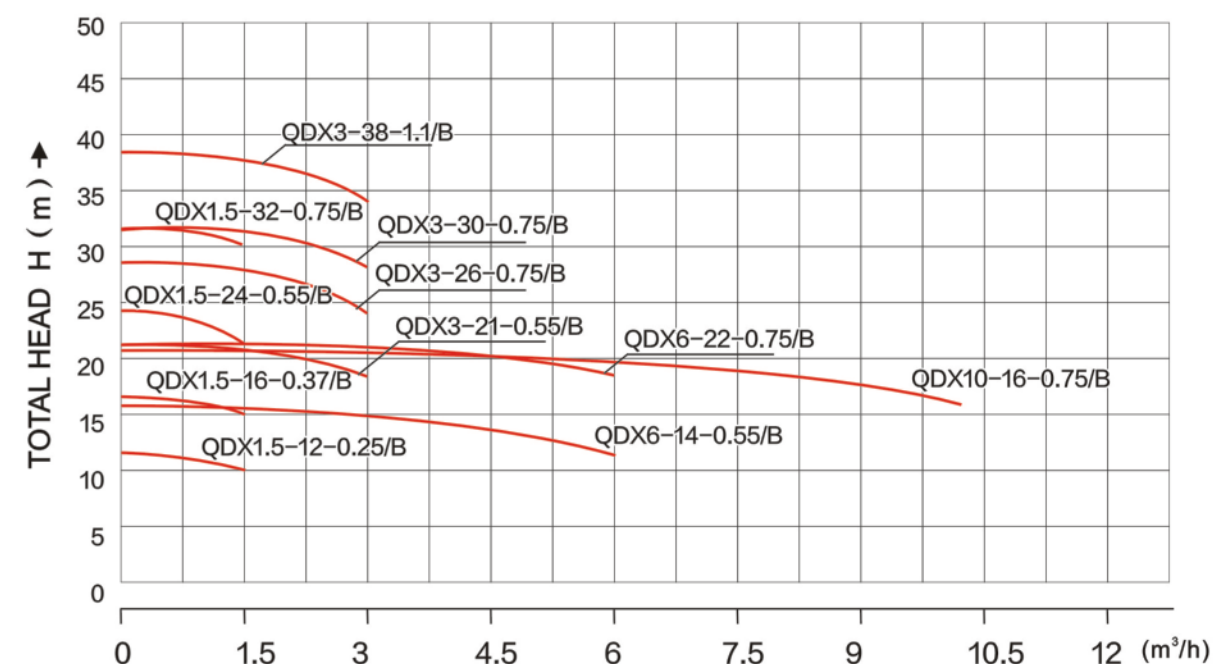
The QDX/B stainless steel submersible pump (referred to as electric pump) consist of three parts: Water pump, seal and motor. The motor has a built-in thermal protector which is located at the top of the electric pump. Oil-filled single-phase and three-phase asynchronous motors are used. The rotor shaft is made of stainless steel (304) material. The water pump is located at the lower part of the motor. The impeller is a centrifugal impeller (using industrial wear resistance plastic). It is a volute structure with a double mechanical seal between the water pump and the motor, each fixed seal seals has the "O" – shaped oil-resistant rubber seal for static sealing.

Application

Due to its small size and light weight, this series of electric pumps is especially suitable for **rural underground pumping, farmland irrigation and drainage, garden watering and domestic water supply**. It can also be used to eliminate industrial water, Building constructions, drainage, marine aquaculture and other places.



PERFORMANCE CHART AT n=2860r/min



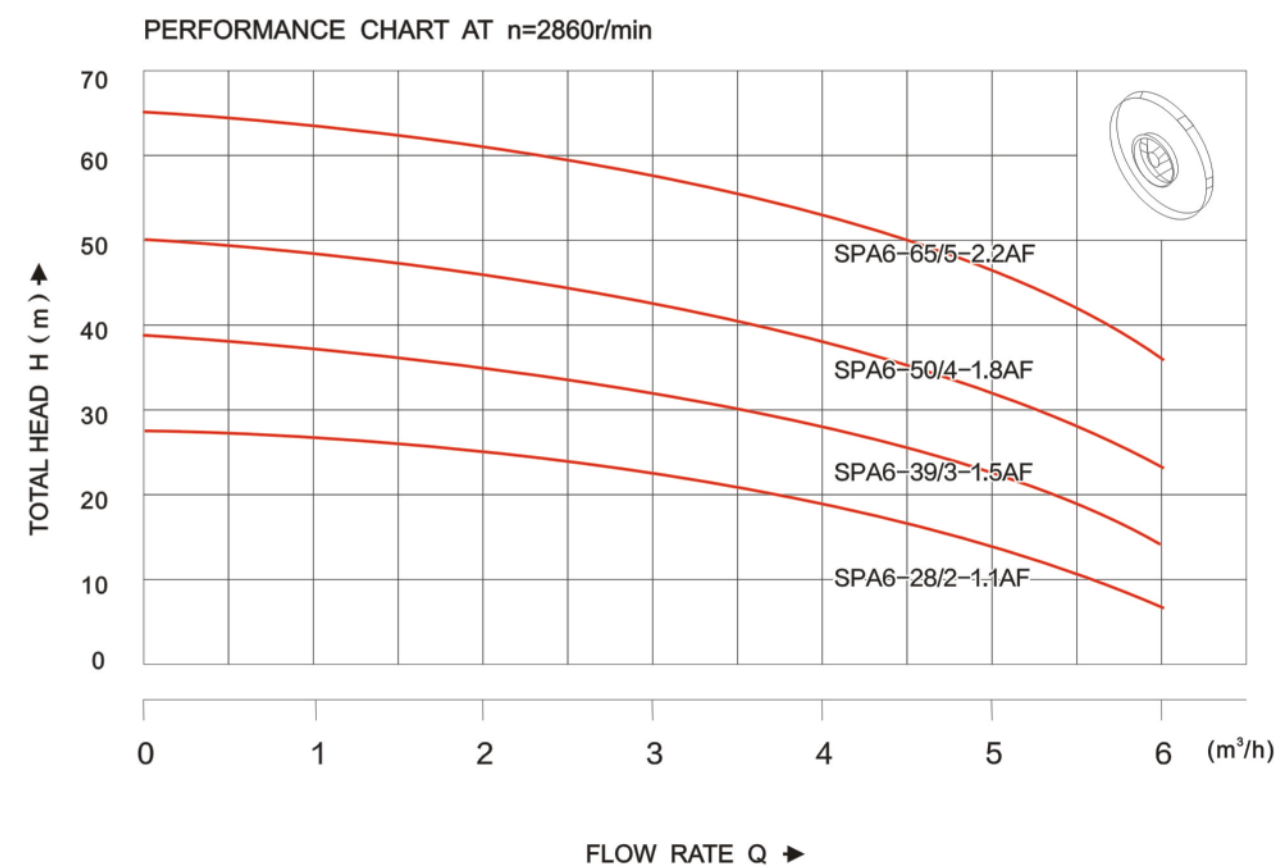
Model	Power		Voltage Frequency (V/Hz)	Rotational speed (r/min)	Rated Flow(m³/h)	Rated Head (m)	Outlet Diameter (mm)
	kW	HP					
QDX1.5-12-0.25/B	0.25	0.35	220/50	2860	1.5	12	25
QDX1.5-16-0.37/B	0.37	0.5	220/50	2860	1.5	16	25
QDX1.5-24-0.55/B	0.55	0.75	220/50	2860	1.5	24	25
QDX3-21-0.55/B	0.55	0.75	220/50	2860	3	21	25
QDX6-14-0.55/B	0.55	0.75	220/50	2860	6	14	40
QDX3-26-0.75/B	0.75	1	220/50	2860	3	26	25
QDX1.5-32-0.75/B	0.75	1	220/50	2860	1.5	32	25
QDX3-30-0.75/B	0.75	1	220/50	2860	3	30	25
QDX6-22-0.75/B	0.75	1	220/50	2860	6	22	40
QDX10-16-0.75/B	0.75	1	220/50	2860	10	16	50
QDX3-38-1.1/B	1.1	1.5	220/50	2860	3	38	25

Condition of usage:

- 1.The depth for the electrical pump below the water is no more than 5m;
- 2.The temperature of the water is no higher of 40℃;
- 3.The pH figure of the water is between 6.5~8.5;
- 4.The grain diameter of the solids in the water is no bigger than 0.2mm.

Products introduction:

This model of pump is characterized with high heads, compact size, light weight and is easy to use. It is commonly used in high water positioned delivery flushes and construction sites. The float switch can automatically control the “on” and “off” switch based on the liquid level. The safety switch in the motor can automatically cut off the power, when it overheats or overloads. This will guarantee the security and reliability of the pump’ s running, even in atrocious environments.



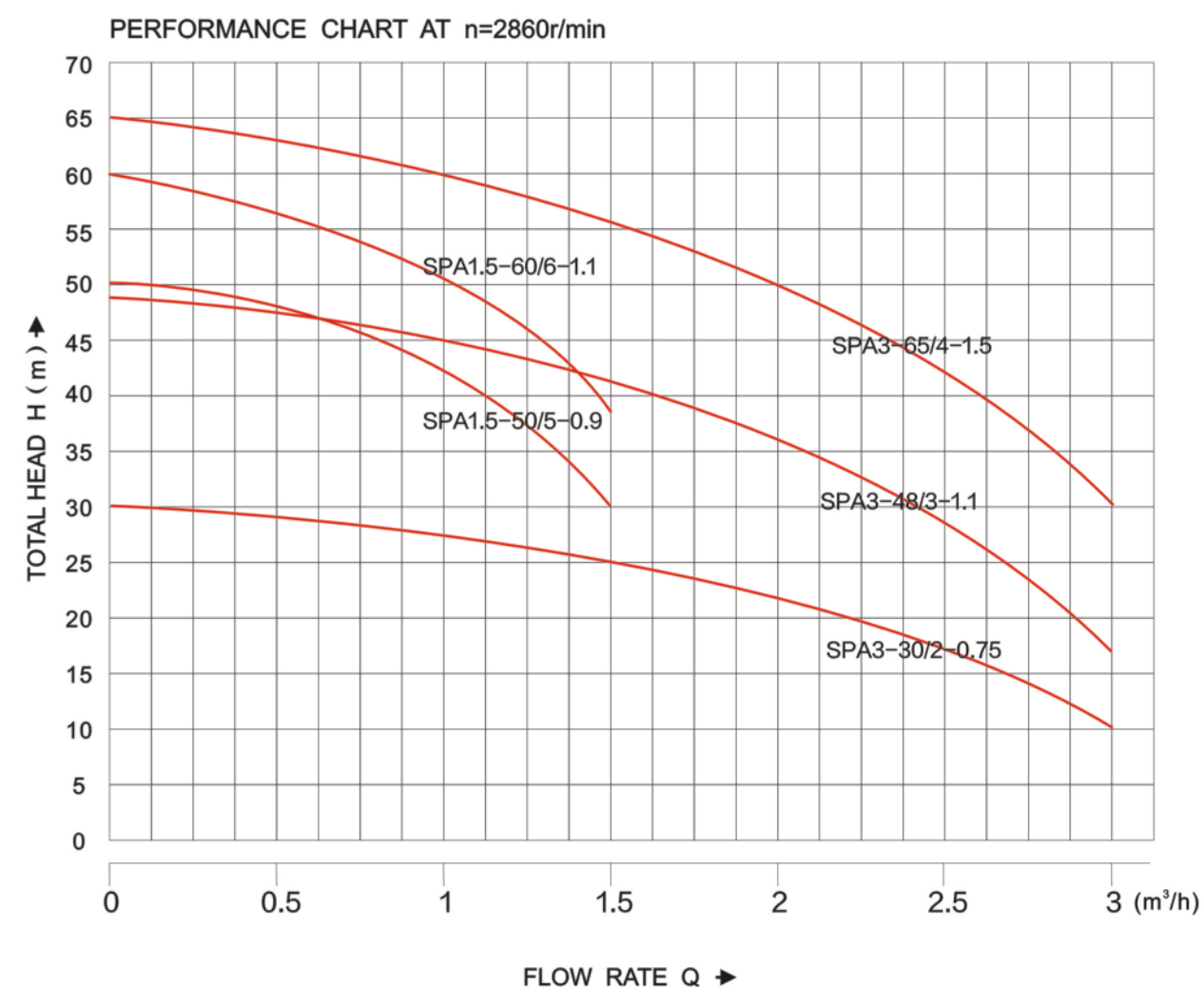
Model	Power		Voltage Frequency (V/Hz)	Rotational speed (r/min)	Rated Flow(m³/h)	Rated Head (m)	Outlet Diameter (mm)
	kW	HP					
SPA6-28/2-1.1AF	1.1	1.5	220/50	2860	6	28	50
SPA6-39/3-1.5AF	1.5	2	220/50	2860	6	39	50
SPA6-50/4-1.8AF	1.8	2.5	220/50	2860	6	50	50
SPA6-65/5-2.2AF	2.2	3	220/50	2860	6	65	50

Condition of usage:

- 1.The depth for the electrical pump below the water is no more than 5m;
- 2.The temperature of the water is no higher of 40℃;
- 3.The pH figure of the water is between 6.5~8.5;
- 4.The grain diameter of the solids in the water is no bigger than 0.2mm.

Products introduction:

The Model SPA standing submersible pump is vastly used for **farming, breed aquatics, mining enterprises** and **construction sites**. The SPA model features are: Compact size, light weight and easy to use. (Can also be assembled with 3-phase motor). The float switch can automatically control the “on” and “off” switch based on the liquid level. The safety switch in the motor can automatically cut off the power, when it overheats or overloads. This will guarantee the security and reliability of the pump’ s running, even in atrocious environments.



Model	Power		Voltage Frequency (V/Hz)	Rotational speed (r/min)	Rated Flow(m³/h)	Rated Head (m)	Outlet Diameter (mm)
	kW	HP					
SPA1.5-50/5-0.9	0.9	1.2	220/50	2860	1.5	50	25
SPA1.5-60/6-1.1	1.1	1.5	220/50	2860	1.5	60	25
SPA3-30/2-0.75	0.75	1	220/50	2860	3	30	25
SPA3-48/3-1.1	1.1	1.5	220/50	2860	3	48	25
SPA3-65/4-1.5	1.5	2	220/50	2860	3	65	25

3SDM 1.8 / 2.5 / 3.5

Applications

For water supply from wells or reservoirs .
For domestic use, for civil and industrial applications, for garden use and irrigation.

Operating conditions

Water temperature up to 30°C.
Minimum internal diameter of well:102mm
Maximum immersion depth:40m

Motor

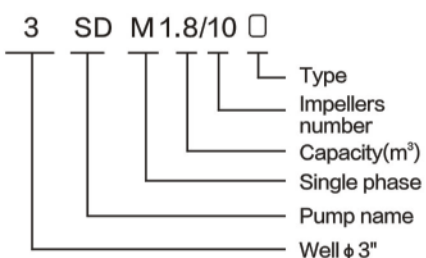
①Full obturated screen motor
②Rewind able motor
Three-phase:230V±10%(220-240V)
Three-phase:440V±10%(380-415V)
Single-phase:230V±10%(220-240V)
Control box with capacitor, on request.

Special features on request

Other voltages.
Frequency 60Hz.
Other mechanical seal.
The length of cable over than 40m.
Cable gland with cable fasteners.

Warranty: 1 year
(as per our general sales conditions).

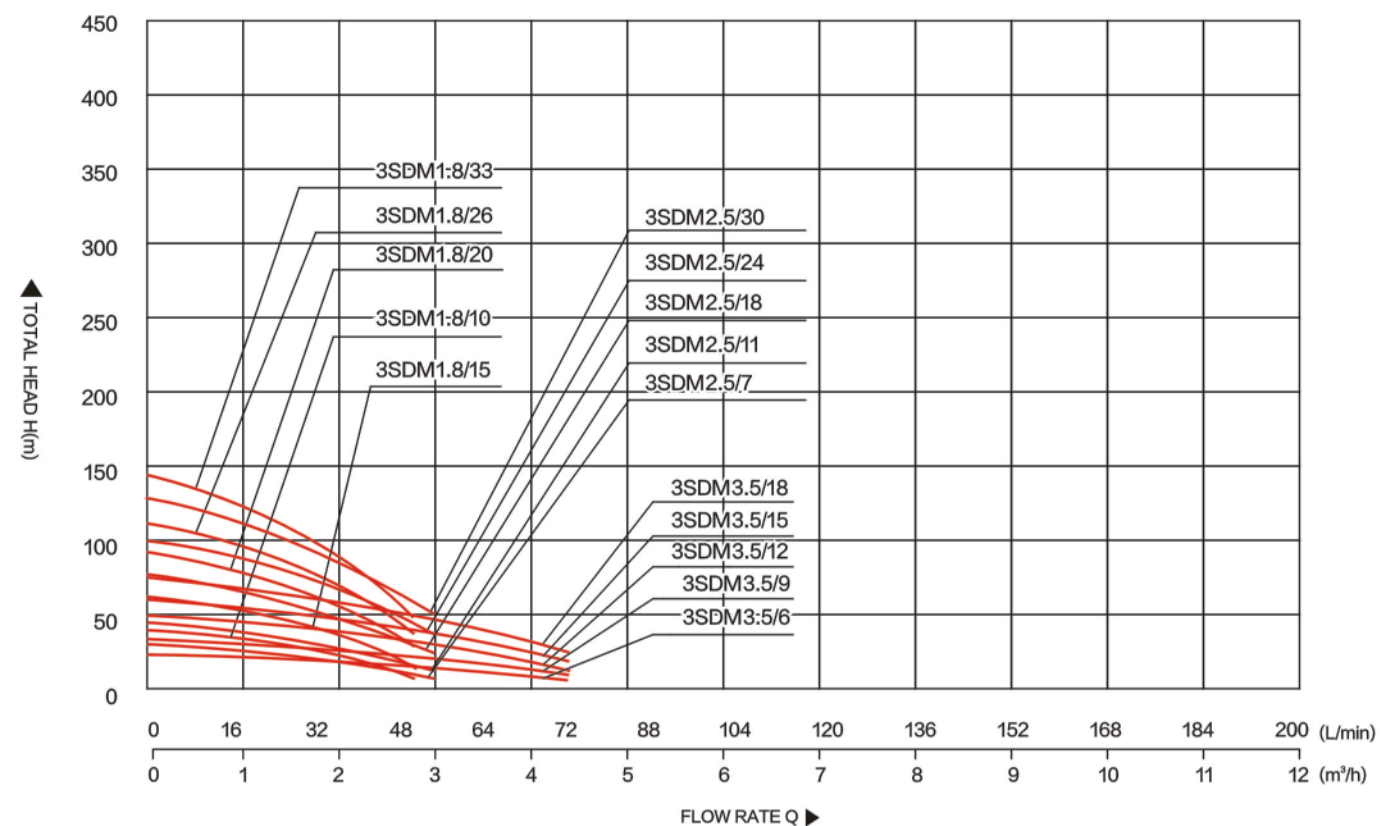
Model Specification



Components

Pump external casing	AISI 304 ss / AISI 201ss
Delivery casing	①AISI 304 ss ②Cast-Cu ASTM280
Suction lantern	①AISI 304 ss ②Cast-Cu ASTM280
Stage casing	Plastic, PC, PPO
Impeller	①Plastic, POM, PPO
Shaft	AISI 304 ss
Shaft coupling	①AISI 304 ss ②AISI 304 ss
Wear ring	AISI 304 ss
Motor external casing	AISI 201 /304
Former cover	①Cast-Cu ASTM280 ②G20 UNI5007
Bottom support	AISI 304 ss
Mechanical seal	Special seal for deep well(carbon-SiC/TC)
Shaft	AISI 316 ss-C1045
Bearing	NTN
Seal lubricant oil	Oil for food machinery and pharmaceutical use

Material



Major parameter

MODEL	P2		Voltage (V)	Frequency (Hz)	CAPACITY AND HEAD n ≈ 2860 r/min				
	kW	HP			Q $\frac{\text{m}^3/\text{h}}{\text{l/min}}$	0	1	1.8	2.5
						0	16.7	30	50
3SDM1.8/10	0.25	0.35	220	50	H(m)	44	35	25	14.5
3SDM1.8/15	0.37	0.5	220	50		66	53	38	22
3SDM1.8/20	0.55	0.75	220	50		88	70	50	29
3SDM1.8/26	0.75	1	220	50		115	91	65	38
3SDM1.8/33	1.1	1.5	220	50		145	116	83	48

MODEL	P2		Voltage (V)	Frequency (Hz)	CAPACITY AND HEAD n≈2860 r/min				
	kW	HP			Q $\frac{m^3}{h}$ l/min	0	1	2.5	3.2
						0	16.7	30	53
3SDM2.5/7	0.25	0.35	220	50	H(m)	29	27	17	11
3SDM2.5/11	0.37	0.5	220	50		45	42	26	18
3SDM2.5/18	0.55	0.75	220	50		74	68	43	29
3SDM2.5/24	0.75	1	220	50		98	91	58	38
3SDM2.5/30	1.1	1.5	220	50		123	114	72	48

MODEL	P2		Voltage (V)	Frequency (Hz)	CAPACITY AND HEAD n≈2860 r/min				
	kW	HP			Q $\frac{m^3}{h}$ l/min	0	1	3.5	4.2
						0	16.7	58.3	70
3SDM3.5/6	0.25	0.35	220	50	H(m)	23	19	11	9
3SDM3.5/9	0.37	0.55	220	50		35	29	17	13.5
3SDM3.5/12	0.55	0.75	220	50		47	38	23	18
3SDM3.5/15	0.75	1	220	50		59	48	29	23
3SDM3.5/18	1.1	1.5	220	50		70	58	34	27

4SDM 2/3

Applications

For water supply from wells or reservoirs .
For domestic use, for civil and industrial applications, for garden use and irrigation.

Operating conditions

Water temperature up to 30℃.
Minimum internal diameter of well:102mm
Maximum immersion depth:40m

Motor

①Full obturated screen motor
②Rewind able motor
Three-phase:230V±10%(220-240V)
Three-phase:440V±10%(380-415V)
Single-phase:230V±10%(220-240V)
Control box with capacitor, on request.

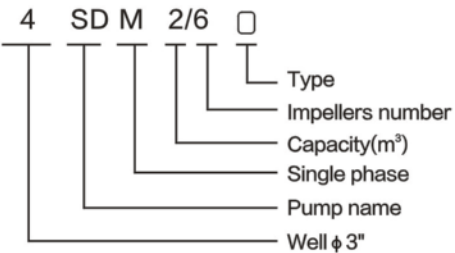
Special features on request

Other voltages.
Frequency 60Hz.
Other mechanical seal.
The length of cable over than 40m.
Cable gland with cable fasteners.

Warranty: 1 year

(as per our general sales conditions).

Model Specification



Components

Pump external casing

Delivery casing

Suction lantern

Stage casing

Impeller

Shaft

Shaft coupling

Wear ring

Motor external casing

Former cover

Bottom support

Mechanical seal

Shaft

Bearing

Seal lubricant oil

Material

AISI 304 ss

①AISI 304 ss ②Cast-Cu ASTM280

①AISI 304 ss ②Cast-Cu ASTM280

Plastic, PC, PPO

①AISI 304 ss ②Plastic, POM, PPO

AISI 304 ss

①AISI 304 ss ②AISI 304 ss

AISI 304 ss

AISI 304 ss

①Cast-Cu ASTM280 ②G20 UNI5007

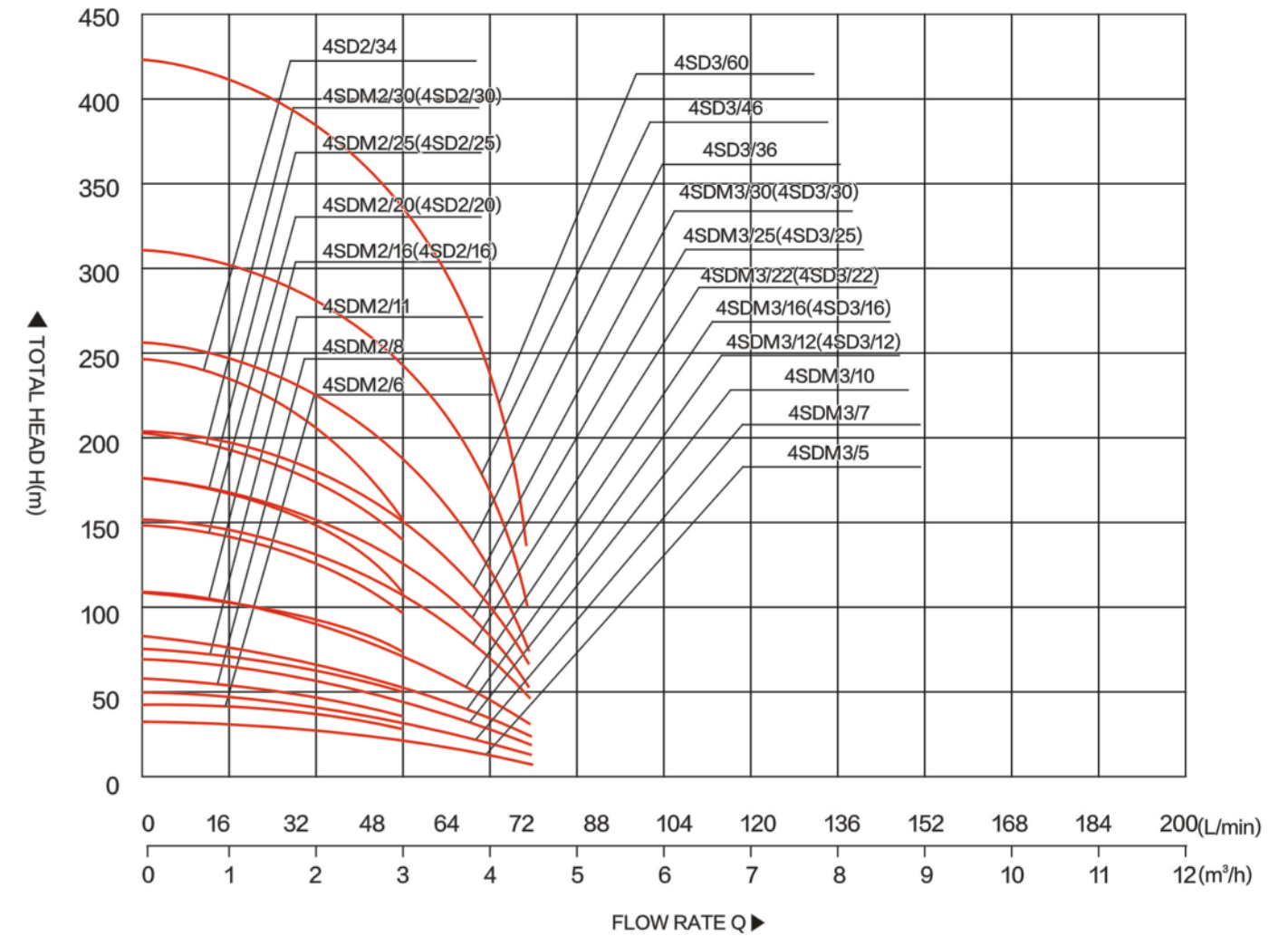
AISI 304 ss

Special seal for deep well(carbon-SiC/TC)

AISI 316 ss-C1045

NTN

Oil for food machinery and pharmaceutical use



MODEL		P2		Frequency (Hz)	CAPACITY AND HEAD n≈2860 r/min				
1~	3~	kW	HP		Q $\frac{m^3/h}{l/min}$	0	1	2	3
						0	16.7	33.3	50
4SDM2/6		0.25	0.35	50	H(m)	43	40	34	28
4SDM2/8		0.37	0.5	50		57	53	45	37
4SDM2/11		0.55	0.75	50		78	73	62	51
4SDM2/16	4SD2/16	0.75	1	50		114	106	90	74
4SDM2/20	4SD2/20	1.1	1.5	50		142	132	112	92
4SDM2/25	4SD2/25	1.5	2	50		178	165	140	115
4SDM2/30	4SD2/30	2.2	3	50		213	198	168	138
	4SD2/34	3	4	50		241	224	190	156

MODEL		P2		Frequency (Hz)	CAPACITY AND HEAD n ≈ 2860 r/min				
1~	3~	kW	HP		Q m³/h l/min	0	1	3	4.5
						0	16.7	50	75
4SDM3/5		0.25	0.35	50	H(m)	36	34	24	11
4SDM3/7		0.37	0.5	50		50	47	34	15
4SDM3/10		0.55	0.75	50		71	67	48	22
4SDM3/12	4SD3/12	0.75	1	50		85	80	58	26
4SDM3/16	4SD3/16	1.1	1.5	50		114	107	77	35
4SDM3/22	4SD3/22	1.5	2	50		156	174	106	48
4SDM3/25	4SD3/25	2.2	3	50		178	168	120	55
4SDM3/30	4SD3/30	2.2	3	50		213	201	144	66
	4SD3/36	3	4	50		256	242	173	79
	4SD3/46	4	5.5	50		327	308	221	101
	4SD3/60	5.5	7.5	50		426	402	288	132

4SDM 4/6

Applications

For water supply from wells or reservoirs .
For domestic use, for civil and industrial applications, for garden use and irrigation.

Operating conditions

Water temperature up to 30℃.
Minimum internal diameter of well:102mm
Maximum immersion depth:40m

Motor

①Full obturated screen motor
②Rewind able motor
Three-phase:230V±10%(220-240V)
Three-phase:440V±10%(380-415V)
Single-phase:230V±10%(220-240V)
Control box with capacitor, on request.

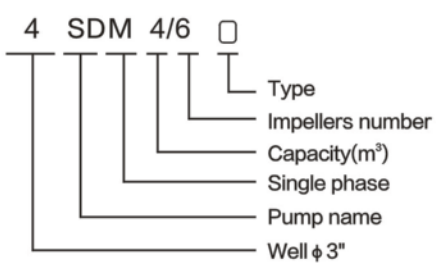
Special features on request

Other voltages.
Frequency 60Hz.
Other mechanical seal.
The length of cable over than 40m.
Cable gland with cable fasteners.

Warranty: 1 year

(as per our general sales conditions).

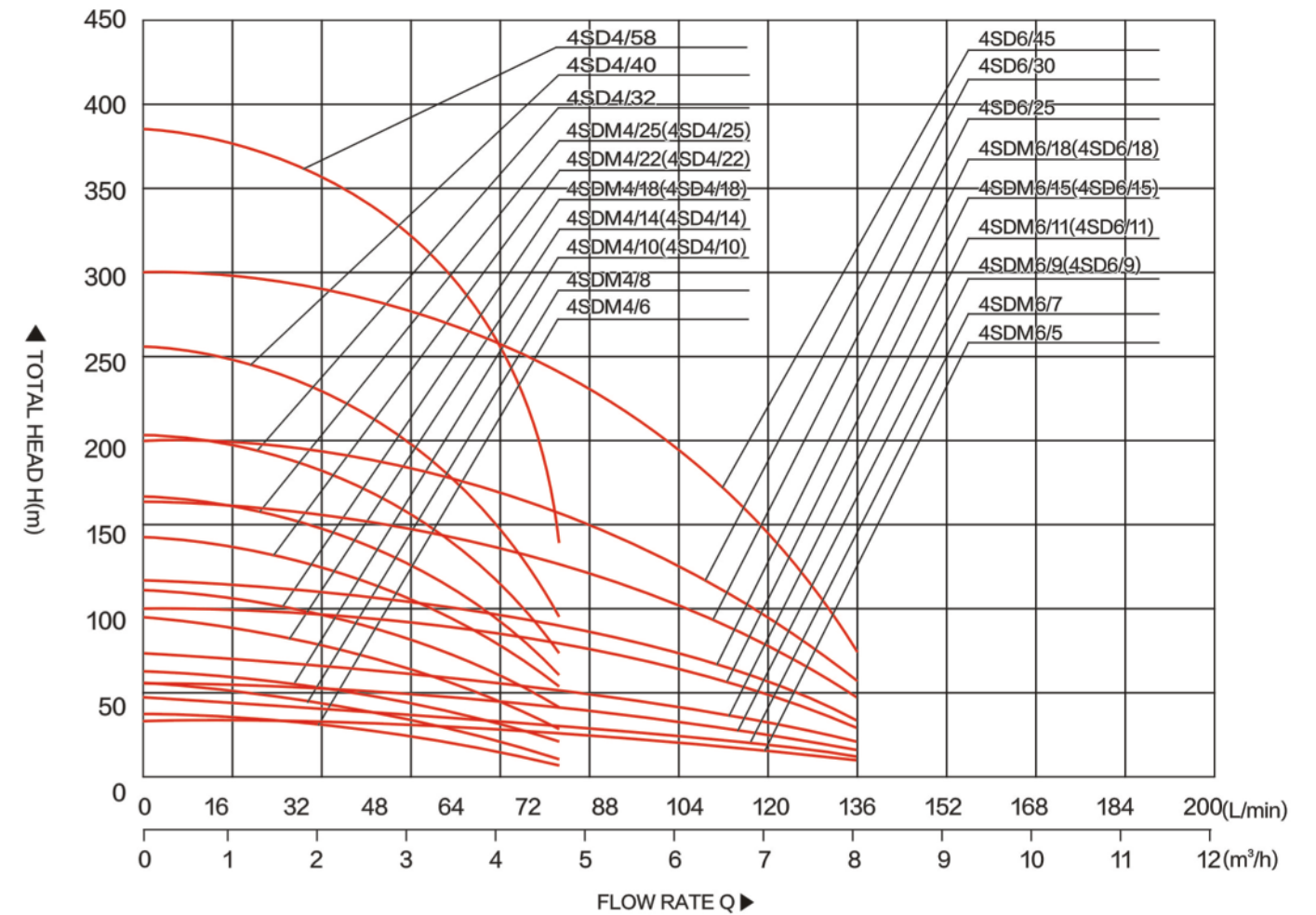
Model Specification



Components

Pump external casing	AISI 304 ss
Delivery casing	①AISI 304 ss ②Cast-Cu ASTM280
Suction lantern	①AISI 304 ss ②Cast-Cu ASTM280
Stage casing	Plastic, PC, PPO
Impeller	①AISI 304 ss ②Plastic, POM, PPO
Shaft	AISI 304 ss
Shaft coupling	①AISI 304 ss ②AISI 304 ss
Wear ring	AISI 304 ss
Motor external casing	AISI 304 ss
Former cover	①Cast-Cu ASTM280 ②G20 UNI5007
Bottom support	AISI 304 ss
Mechanical seal	Special seal for deep well(carbon-SiC/TC)
Shaft	AISI 316 ss-C1045
Bearing	NTN
Seal lubricant oil	Oil for food machinery and pharmaceutical use

Material



MODEL		P2		Frequency (Hz)	CAPACITY AND HEAD n≈2860 r/min				
1~	3~	kW	HP		Q $\frac{\text{m}^3/\text{h}}{\text{l/min}}$	0	1	4	5
						0	16.7	66.7	83
4SDM4/6		0.37	0.5	50	H(m)	40	36	23	15
4SDM4/8		0.55	0.75	50		53	48	30	19
4SDM4/10	4SD4/10	0.75	1	50		66	60	38	24
4SDM4/14	4SD4/14	1.1	1.5	50		92	84	53	34
4SDM4/18	4SD4/18	1.5	2	50		119	108	68	43
4SDM4/22	4SD4/22	2.2	3	50		145	132	84	53
4SDM4/25	4SD4/25	2.2	3	50		165	150	95	60
	4SD4/32	3	4	50		211	192	121	77
	4SD4/40	4	5.5	50		264	240	152	96
	4SD4/58	5.5	7.5	50		383	348	220	140

MODEL		P2		Frequency (Hz)	CAPACITY AND HEAD n≈2860 r/min					
1~	3~	kW	HP		Q	m³/h	0	2	6	8
						l/min	0	33.3	100	133
4SDM6/5		0.37	0.5	50	H(m)	34	32	20	10	
4SDM6/7		0.55	0.75	50		47	44	27	13	
4SDM6/9	4SD6/9	0.75	1	50		60	57	35	17	
4SDM6/11	4SD6/11	1.1	1.5	50		74	69	43	21	
4SDM6/15	4SD6/15	1.5	2	50		100	95	60	29	
4SDM6/18	4SD6/18	2.2	3	50		121	113	70	34	
	4SD6/25	3	4	50		168	155	98	48	
	4SD6/30	4	5.5	50		201	186	117	57	
	4SD6/45	5.5	7.5	50		302	279	176	86	

4SDM 8 / 10

Applications

For water supply from wells or reservoirs .
For domestic use, for civil and industrial applications, for garden use and irrigation.

Operating conditions

Water temperature up to 30°C.
Minimum internal diameter of well:102mm
Maximum immersion depth:40m

Motor

①Full obturated screen motor
②Rewind able motor
Three-phase:230V±10%(220-240V)
Three-phase:440V±10%(380-415V)
Single-phase:230V±10%(220-240V)
Control box with capacitor, on request.

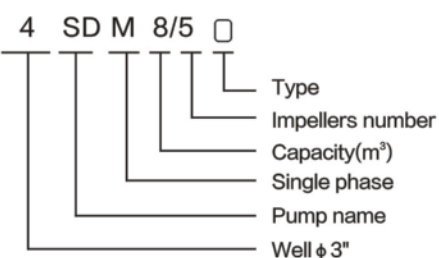
Special features on request

Other voltages.
Frequency 60Hz.
Other mechanical seal.
The length of cable over than 40m.
Cable gland with cable fasteners.

Warranty: 1 year

(as per our general sales conditions).

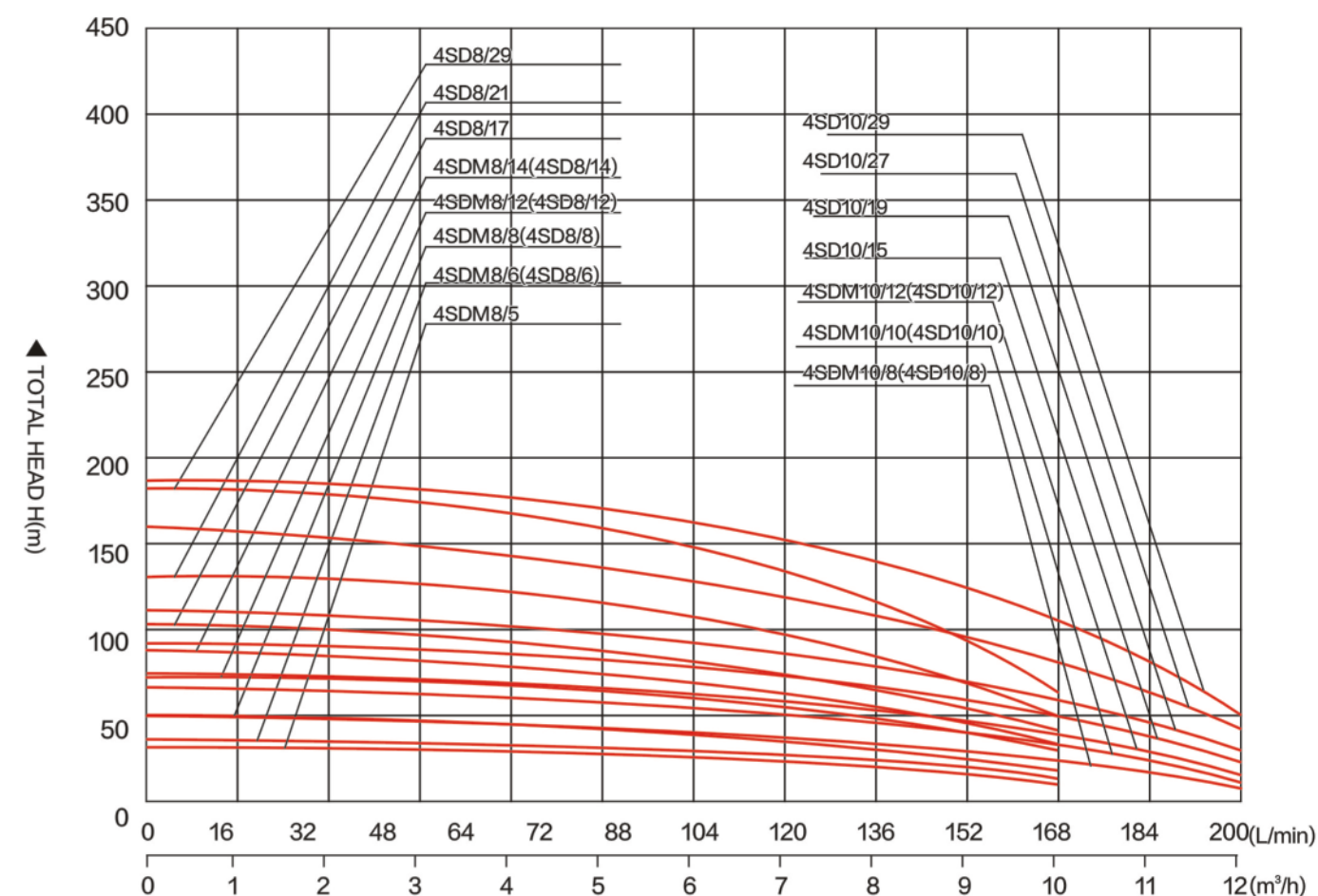
Model Specification



Components

Pump external casing	AISI 304 ss
Delivery casing	①AISI 304 ss ②Cast-Cu ASTM280
Suction lantern	①AISI 304 ss ②Cast-Cu ASTM280
Stage casing	Plastic, PC, PPO
Impeller	①AISI 304 ss ②Plastic, POM, PPO
Shaft	AISI 304 ss
Shaft coupling	①AISI 304 ss ②AISI 304 ss
Wear ring	AISI 304 ss
Motor external casing	AISI 304 ss
Former cover	①Cast-Cu ASTM280 ②G20 UNI5007
Bottom support	AISI 304 ss
Mechanical seal	Special seal for deep well(carbon-SiC/TC)
Shaft	AISI 316 ss-C1045
Bearing	NTN
Seal lubricant oil	Oil for food machinery and pharmaceutical use

Material



MODEL		P2		Frequency (Hz)	CAPACITY AND HEAD n ≈ 2860 r/min					
1~	3~	kW	HP		Q	m³/h	0	4	8	10
						l/min	0	66.7	133	167
4SDM8/5				50	H(m)	31	26	19	12	
4SDM8/6	4SD8/6	0.75	1	50		37	31	22	14	
4SDM8/8	4SD8/8	1.1	1.5	50		50	42	30	19	
4SDM8/12	4SD8/12	1.5	2	50		74	62	44	29	
4SDM8/14	4SD8/14	2.2	3	50		87	62	50	33	
	4SD8/17	3	4	50		105	88	63	41	
	4SD8/21	4	5.5	50		130	92	76	50	
	4SD8/29	5.5	7.5	50		180	128	104	70	

MODEL		P2		Frequency (Hz)	CAPACITY AND HEAD n ≈ 2860 r/min					
1~	3~	kW	HP		Q	m³/h	0	6	10	12
						l/min	0	100	167	200
4SDM10/8	4SD10/8	1.1	1.5	50	H(m)		49	44	33	13
4SDM10/10	4SD10/10	1.5	2	50			61	55	41	16
4SDM10/12	4SD10/12	2.2	3	50			73	66	50	20
	4SD10/15	3	4	50			92	83	63	26
	4SD10/19	4	5.5	50			116	105	80	32
	4SD10/27	5.5	7.5	50			165	150	113	46
	4SD10/29	7.5	10	50			177	160	122	50

4SP2



Applications

For water supply from wells or reservoirs .
For domestic use, for civil and industrial applications, for garden use and irrigation.

Operating conditions

Water temperature up to 55°C.
Minimum internal diameter of well:102mm
Maximum immersion depth:40m

Motor

①Full obturated screen motor
②Rewind able motor
Three-phase:230V±10%(220-240V)
Three-phase:440V±10%(380-415V)
Single-phase:230V±10%(220-240V)
Control box with capactlor, on request.

Special features on request

Other voltages.
Frequency 60Hz.
Other mechanical seal.
The length of cable over than 40m.
Cable gland with cable fasteners.

Warranty: 1 year

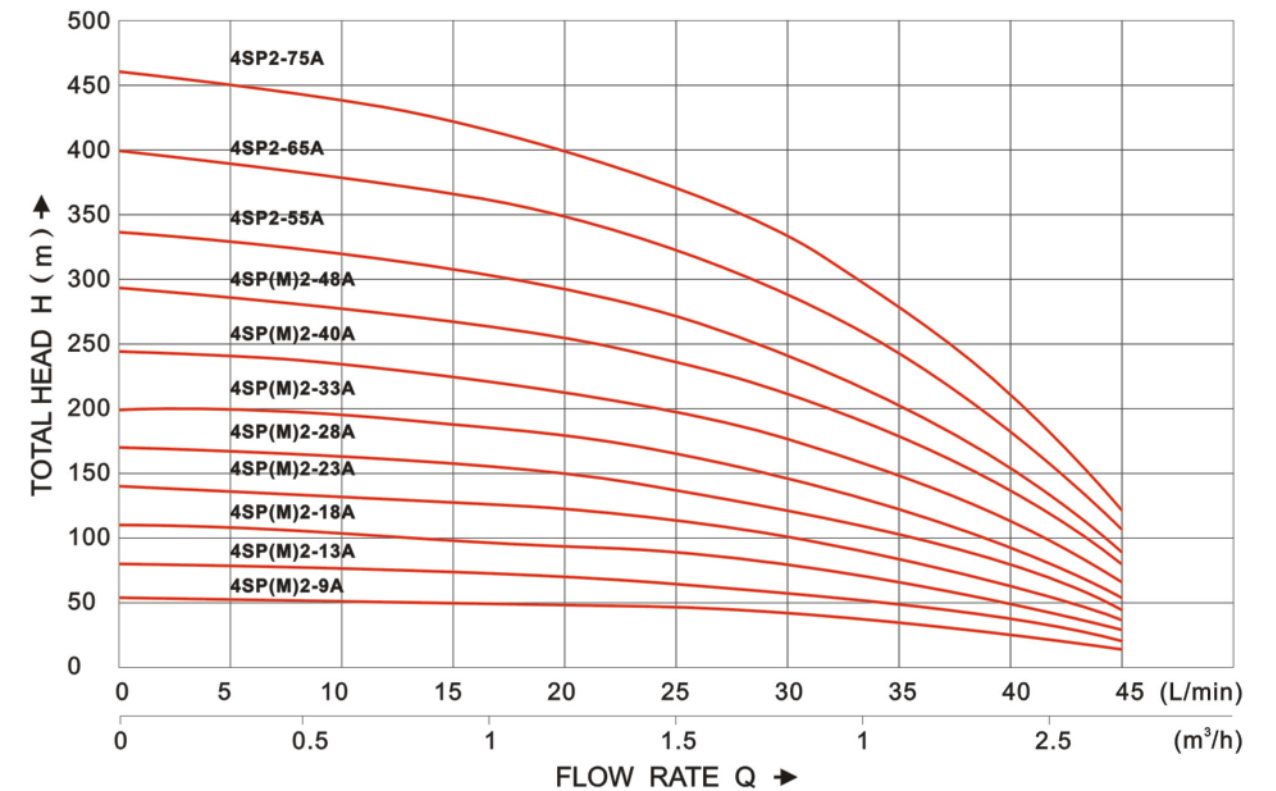
(as per our general sales conditions).

Components

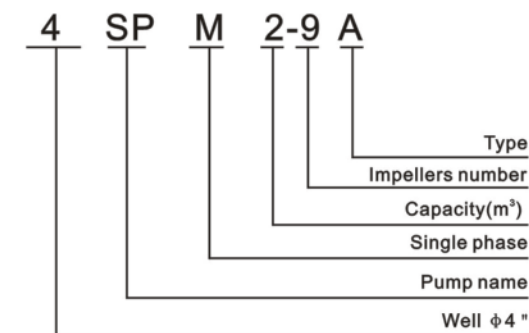
Material

Pump extenal casing	AISI 304 ss
Delivery casing	①AISI 304 ss ②Cast-Cu ASTM280
Suction lantern	①AISI 304 ss ②Cast-Cu ASTM280
Stage casing	Plastic, PC, PPO
Impeller	①AISI 304 ss ②Plastic, POM, PPO
Shaft	AISI 304 ss
Shaft coupling	①AISI 304 ss ②AISI 304 ss
Wear ring	AISI 304 ss
Motor extenal casing	AISI 304 ss
Former cover	①Cast-Cu ASTM280 ②G20 UNI5007
Bottom support	AISI 304 ss
Mechanical seal	Special seal for deep well(carbon-SIC/TC)
Shaft	AISI 316 ss-C1045
Bearing	NTN
Seal lubricant oil	Oil for food machinery and pharmaceutical use

PERFORMANCE CHART AT n=2850r/min



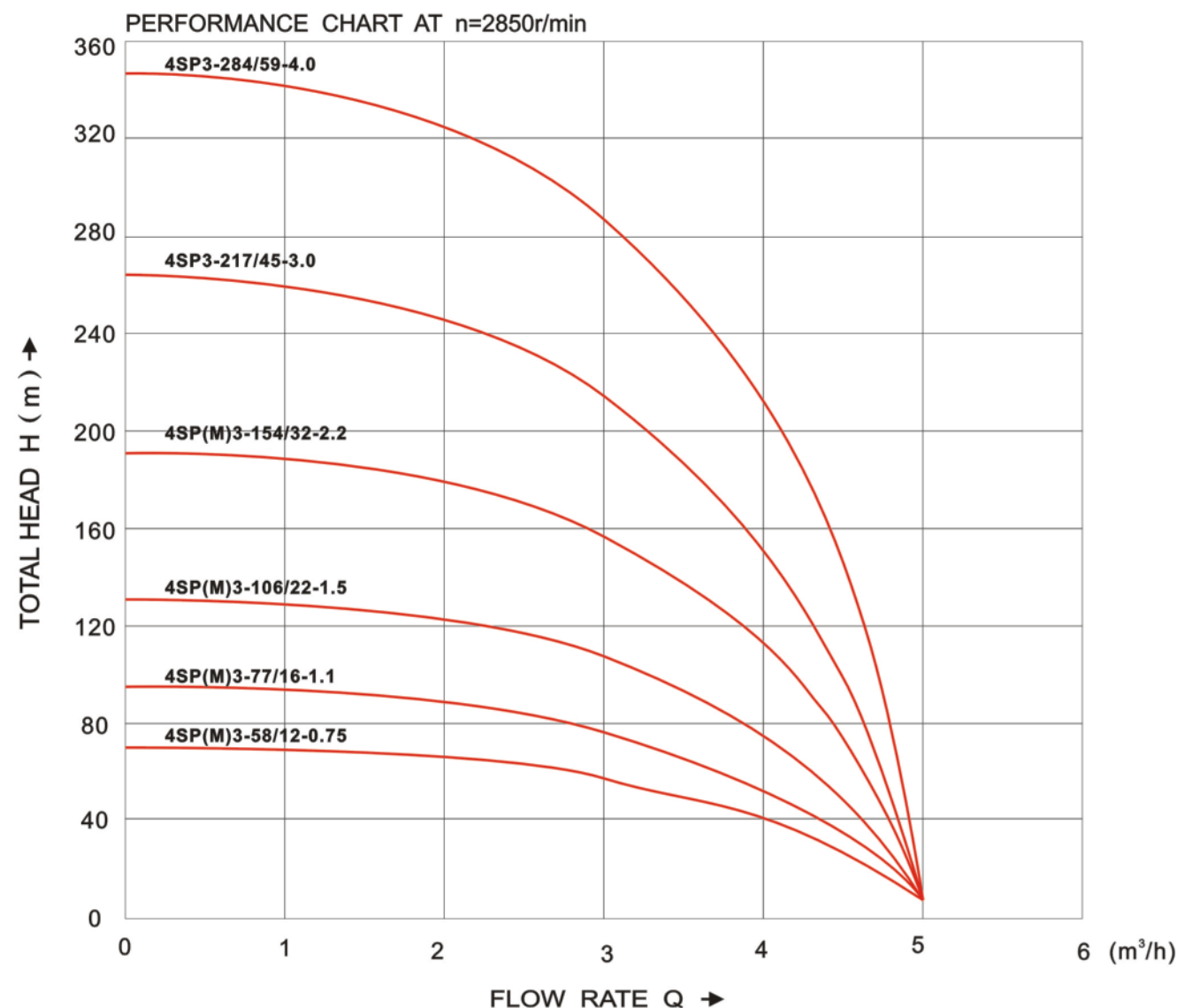
Model Description:



MODEL	DN	DIMENSIONS(mm)		
		L1	L(s)	L(r)
4SP(M)2-9A	1 1/4 " / 1 1/2 "	344	600	570
4SP(M)2-13A	1 1/4 " / 1 1/2 "	428	719	669
4SP(M)2-18A	1 1/4 " / 1 1/2 "	533	839	809
4SP(M)2-23A	1 1/4 " / 1 1/2 "	638	984	944
4SP(M)2-28A	1 1/4 " / 1 1/2 "	743	1089	1089
4SP(M)2-33A	1 1/4 " / 1 1/2 "	844	1190	1190
4SP(M)2-40A	1 1/4 " / 1 1/2 "	1040	1613	1386
4SP(M)2-48A	1 1/4 " / 1 1/2 "	1208	1781	1554
4SP2-55A	1 1/4 " / 1 1/2 "	1355		1848
4SP2-65A	1 1/4 " / 1 1/2 "	1565		2058
4SP2-75A	1 1/4 " / 1 1/2 "	1954		2527

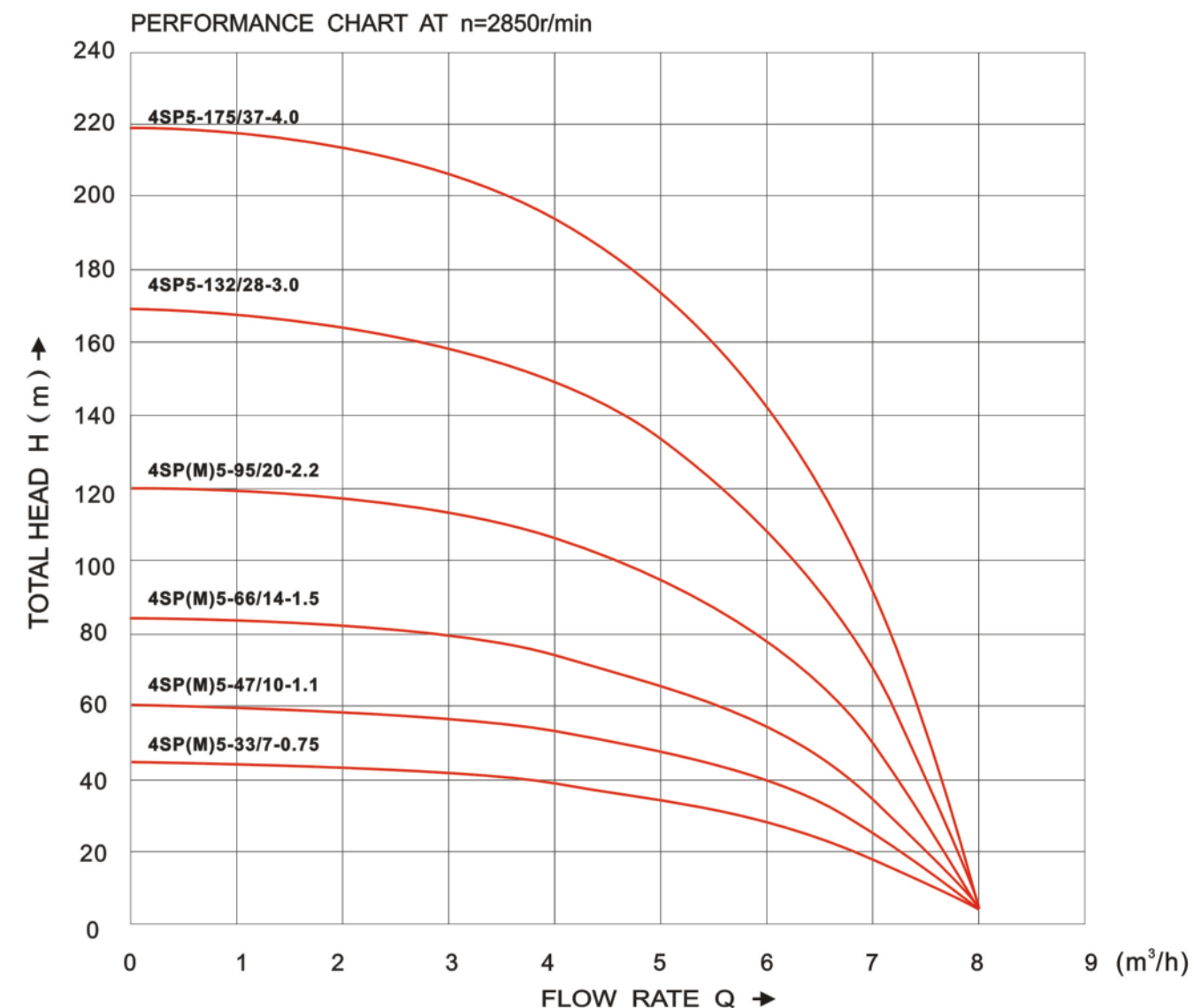
MODEL		P2		Frequency (Hz)	CAPACITY AND HEAD n=2860 r/min										
1~220V/240V	3~380V/415V	kW	HP		Q m³/h	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
4SP(M)2-9A	4SP2-9A	0.37	0.5	50	H(m)	0	5	10	15	20	25	30	35	40	45
4SP(M)2-13A	4SP2-13A	0.55	0.75	50		55	54	53	51	48	45	40	33	25	14
4SP(M)2-18A	4SP2-18A	0.75	1	50		80	78	76	73	69	64	57	48	36	21
4SP(M)2-23A	4SP2-23A	1.1	1.5	50		110	108	105	101	96	89	80	67	50	29
4SP(M)2-28A	4SP2-28A	1.5	2	50		141	139	135	129	122	114	102	85	64	37
4SP(M)2-33A	4SP2-33A	1.5	2	50		171	168	163	157	149	139	124	103	78	45
4SP(M)2-40A	4SP2-40A	2.2	3	50		202	199	193	186	176	163	146	122	92	53
4SP(M)2-48A	4SP2-48A	2.2	3	50		245	241	234	225	213	198	177	148	112	65
	4SP2-55A	3	4	50		294	289	281	270	255	237	212	177	134	78
	4SP2-65A	3.7	5	50		336	331	321	309	292	272	243	203	154	89
	4SP2-75A	4	5.5	50		398	391	380	365	346	321	287	240	182	105
						459	451	438	421	399	371	331	277	209	121

4SP3



MODEL	P2		Voltage (V)	Frequency (Hz)	Outlet Diameter	Water pipe (mm)	CAPACITY AND HEAD n ≈ 2860 r/min					
	kW	HP					0	1	2	3	4	
							0	16	33	50	66	
4SP(M)3-58/12-0.75	0.75	1	220/380	50	1.2" ^a	96	H(m)	70	68	64	58	40
4S P(M)3-77/16-1.1	1.1	1.5	220/380	50	1.2" ^a	96		95	90	85	77	50
4SP(M)3-106/22-1.5	1.5	2	220/380	50	1.2" ^a	96		130	125	120	106	75
4SP(M)3-154/32-2.2	2.2	3	220/380	50	1.2" ^a	96		190	185	178	154	110
4SP3-217/45-3.0	3	4	380	50	1.2" ^a	96		265	260	244	217	150
4SP3-284/59-4.0	4	5.5	380	50	1.2" ^a	96		345	340	322	284	210

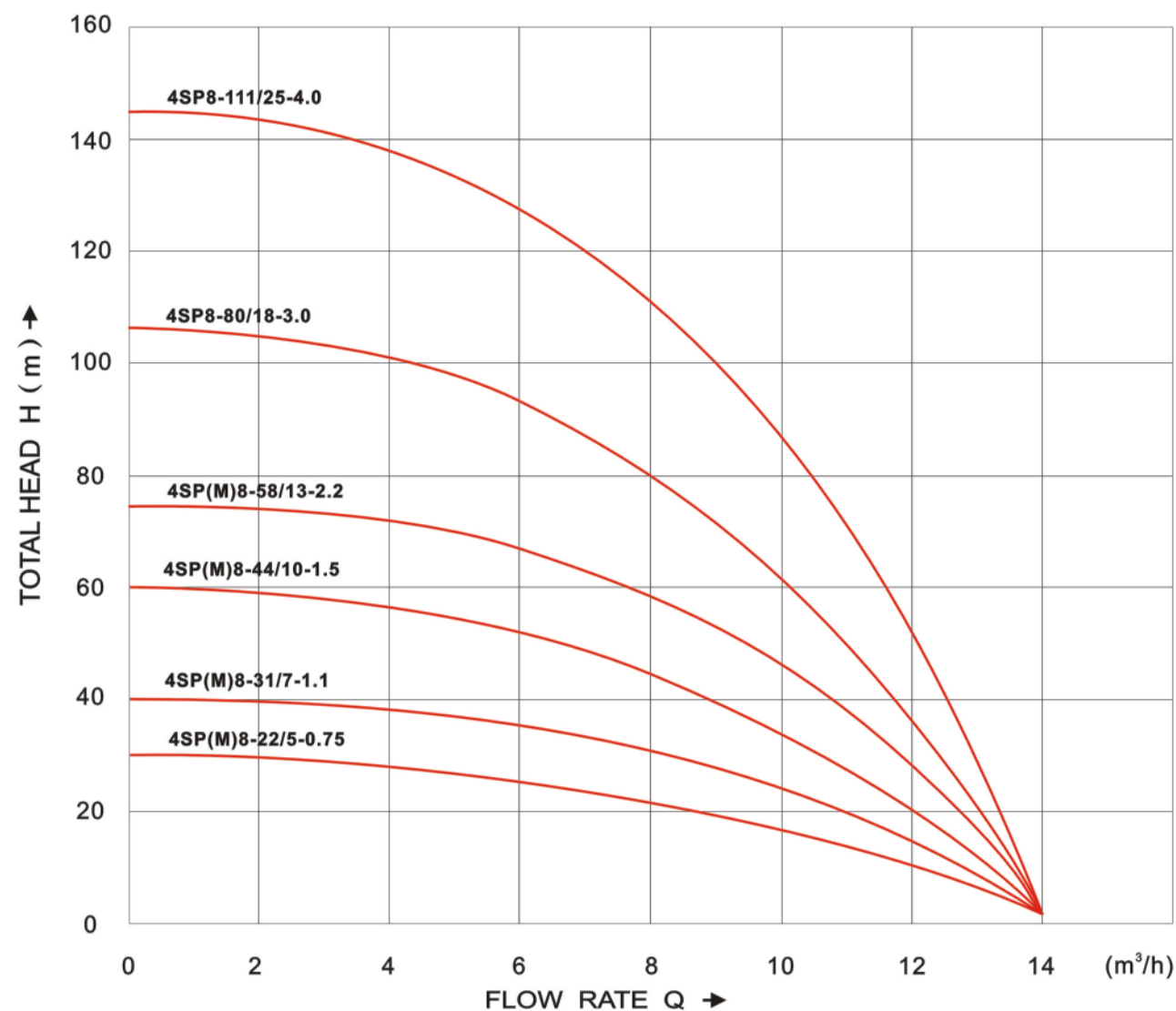
4SP5



MODEL	P2		Voltage (V)	Frequency (Hz)	Outlet Diameter	Water pipe (mm)	CAPACITY AND HEAD n ≈ 2860 r/min						
	kW	HP						0	3	4	5	6	7
								0	50	66	83	100	116
4SP(M)5-33/7-0.75	0.75	1	220/380	50	1.5"	96	H(m)	45	41	38	33	28	18
4SP(M)5-47/10-1.1	1.1	1.5	220/380	50	1.5"	96		60	57	54	47	69	25
4SP(M)5-66/14-1.5	1.5	2	220/380	50	1.5"	96		85	78	75	66	53	35
4SP(M)5-95/20-2.2	2.2	3	220/380	50	1.5"	96		120	114	105	95	78	749
4SP5-132/28-3.0	3	4	380	50	1.5"	96		170	158	148	132	108	68
4SP5-175/37-4.0	4	5.5	380	50	1.5"	96		220	207	195	175	140	90

4SP8

PERFORMANCE CHART AT n=2850r/min



MODEL	P2		Voltage (V)	Frequency (Hz)	Outlet Diameter	Water pipe (mm)	CAPACITY AND HEAD n≈2860 r/min							
	kW	HP					H(m)	0	6	7	8	9	10	12
								0	100	116	133	150	166	200
4SP(M)8-22/5-0.75	0.75	1	220/380	50	2.0"	96	H(m)	30	26	24	22	19	16	10
4SP(M)8-31/7-1.1	1.1	1.5	220/380	50	2.0"	96		40	36	33	31	27	24	15
4SP(M)8-44/10-1.5	1.5	2	220/380	50	2.0"	96		60	52	48	44	40	34	20
4SP(M)8-58/13-2.2	2.2	3	220/380	50	2.0"	96		75	68	62	58	53	47	28
4SP8-80/18-3.0	3	4	380	50	2.0"	96		105	95	88	80	71	61	35
4SP8-111/25-4.0	4	5.5	380	50	2.0"	96		145	128	120	114	100	88	50

YI50QJ

Applications

For water supply from wells or reservoirs .
For domestic use, for civil and industrial applications, for garden use and irrigation.

Operating conditions

Water temperature up to 80℃.
Minimum internal diameter of well:102mm
Maximum immersion depth:300m

Motor

①Full obturated screen motor
②Rewind able motor
Three-phase:230V±10%(220-240V)
Three-phase:440V±10%(380-415V)
Single-phase:230V±10%(220-240V)
Control box with capacitor, on request.

Special features on request

Other voltages.
Frequency 60Hz.
Other mechanical seal.
The length of cable over than 300m.
Cable gland with cable fasteners.

Warranty: 1 year

(as per our general sales conditions).

Components

Pump external casing

Material

AISI 304 ss

Delivery casing

①AISI 304 ss ②Cast-Cu ASTM280

Suction lantern

①AISI 304 ss ②Cast-Cu ASTM280

Stage casing

Plastic, PC, PPO

Impeller

①AISI 304 ss ②Plastic, POM, PPO

Shaft

AISI 304 ss

Shaft coupling

①AISI 304 ss ②AISI 304 ss

Wear ring

AISI 304 ss

Motor external casing

AISI 304 ss

Former cover

①Cast-Cu ASTM280 ②G20 UNI5007

Bottom support

AISI 304 ss

Mechanical seal

Special seal for deep well(carbon-SiC/TC)

Shaft

AISI 316 ss-C1045

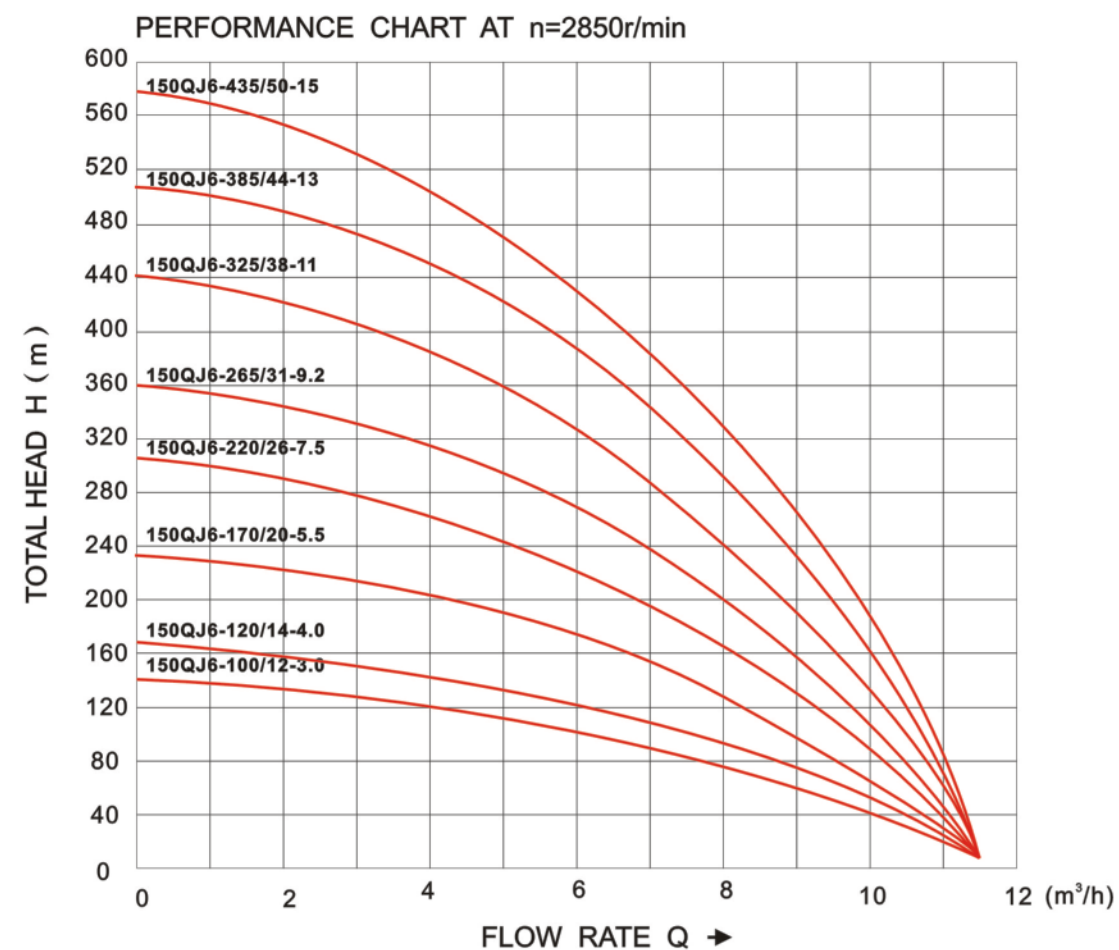
Bearing

NSK.NTN(Japan)

Seal lubricant oil

Oil for food machinery and pharmaceutical use

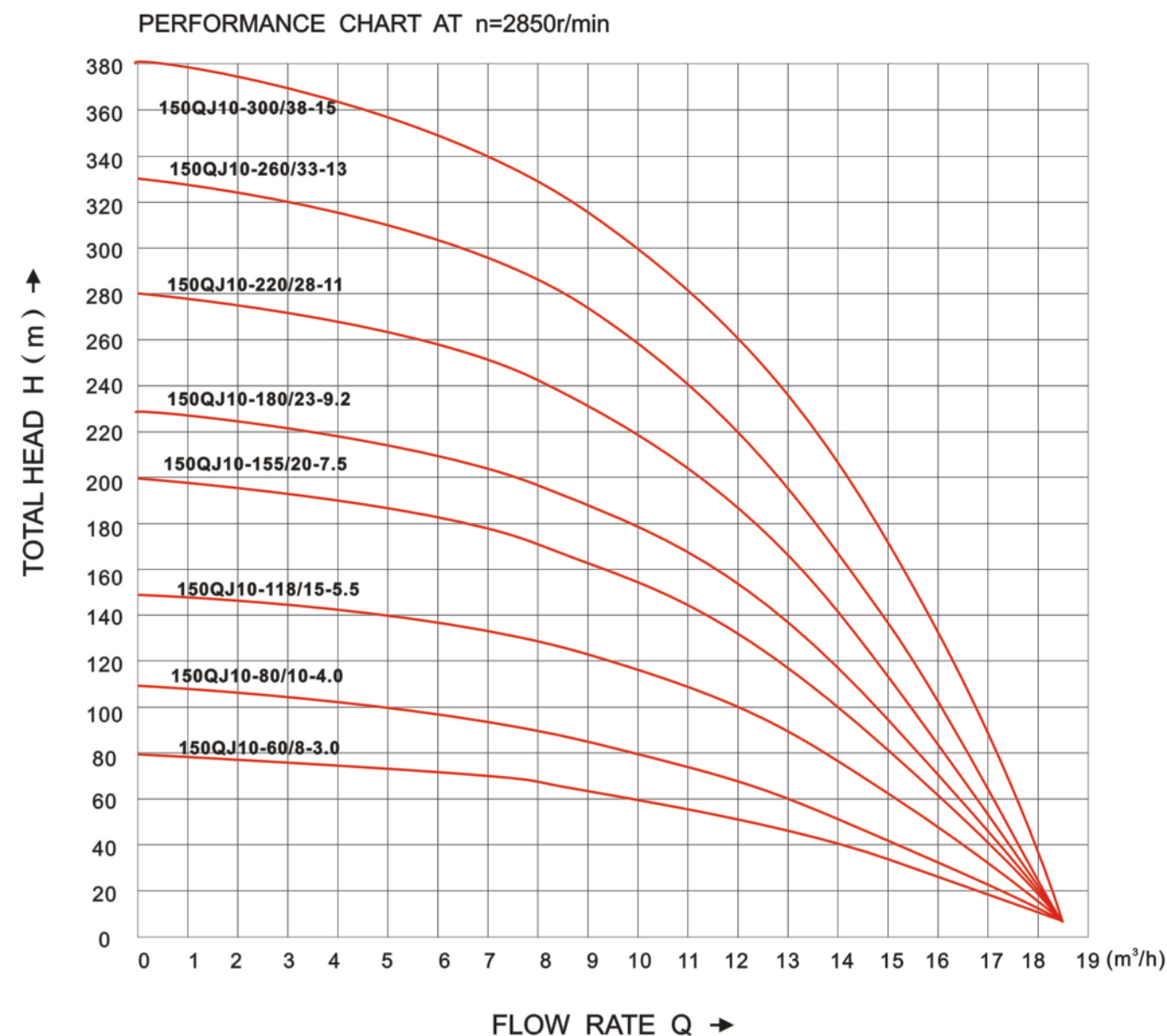




Model Description: Y150 QJ 6 - 100 / 12 - 3.0

Y: Pump name
 150: Use the smallest hole diameter(mm)
 QJ: Pump name
 6: Rated flow (m³/h)
 100: Rated head (m)
 12: Impeller quantity
 3.0: Rated power (kw)

MODEL	P2		Voltage (V)	Frequency (Hz)	Outlet Diameter	Water pipe (mm)	CAPACITY AND HEAD n≈2860 r/min							
	kW	HP					0	5	6	7	8	9	10	
							0	83	100	116	133	150	166	
150QJ6-100/12-3.0	3	4	380	50	2.0"	140	H(m)	140	110	100	90	78	60	40
150QJ6-120/14-4.0	4	5.5	380	50	2.0"	140		165	130	120	104	90	78	50
150QJ6-170/20-5.5	5.5	7.5	380	50	2.0"	140		235	185	170	148	135	98	65
150QJ6-220/26-7.5	7.5	10	380	50	2.0"	140		305	240	220	192	165	127	85
150QJ6-265/31-9.2	9.2	12.5	380	50	2.0"	140		360	290	265	229	200	152	105
150QJ6-325/38-11	11	15	380	50	2.0"	140		440	360	325	290	240	186	130
150QJ6-385/44-13	13	17.5	380	50	2.0"	140		510	420	385	340	290	225	150
150QJ6-435/50-15	15	20.5	380	50	2.0"	140		580	470	435	370	320	255	170



MODEL	P2		Voltage (V)	Frequency (Hz)	Outlet Diameter	Water pipe (mm)	CAPACITY AND HEAD n≈2860 r/min							
	kW	HP					H(m)	0	6	8	10	12	14	16
								0	100	133	166	200	233	266
150QJ10-60/8-3.0	3	4	380	50	2.0″	140	H(m)	80	72	65	60	52	40	25
150QJ10-80/10-4.0	4	5.5	380	50	2.0″	140		110	96	90	80	67	50	35
150QJ10-118/15-5.5	5.5	7.5	380	50	2.0″	140		150	137	127	118	100	75	46
150QJ10-155/20-7.5	7.5	10	380	50	2.0″	140		200	185	170	155	131	100	60
150QJ10-180/23-9.2	9.2	12.5	380	50	2.0″	140		230	210	195	180	152	113	80
150QJ10-220/28-11	11	15	380	50	2.0″	140		280	250	232	220	180	135	95
150QJ10-260/33-13	13	17.5	380	50	2.0″	140		330	305	285	260	220	170	100
150QJ10-300/38-15	15	20.5	380	50	2.0″	140		380	348	328	300	260	205	130

6SP 17/20

Applications

For water supply from wells or reservoirs .
For domestic use, for civil and industrial applications, for garden use and irrigation.

Operating conditions

Water temperature up to 80℃.
Minimum internal diameter of well:102mm
Maximum immersion depth:300m

Motor

①Full obturated screen motor
②Rewind able motor
Three-phase:230V±10%(220-240V)
Three-phase:440V±10%(380-415V)
Single-phase:230V±10%(220-240V)
Control box with capacitor, on request.

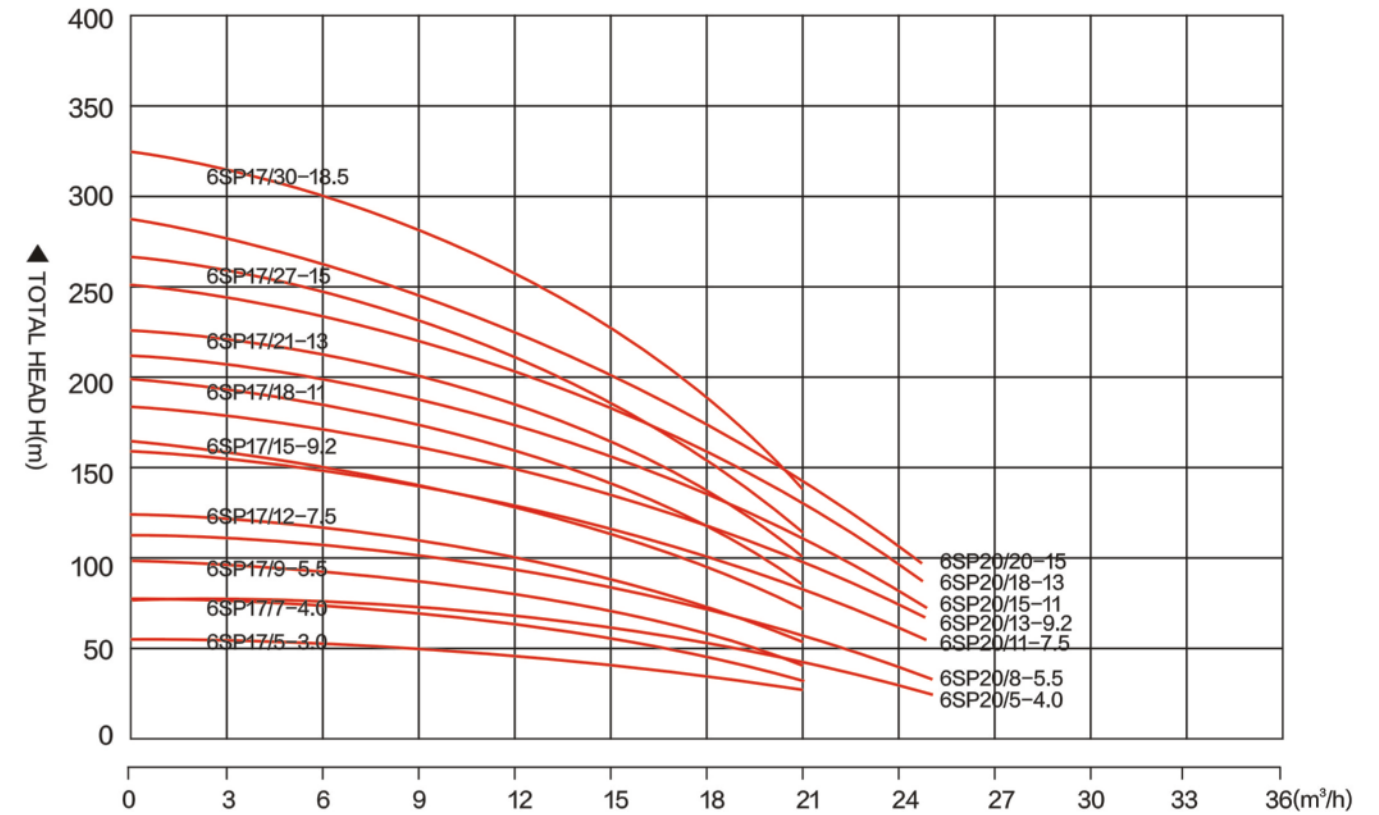
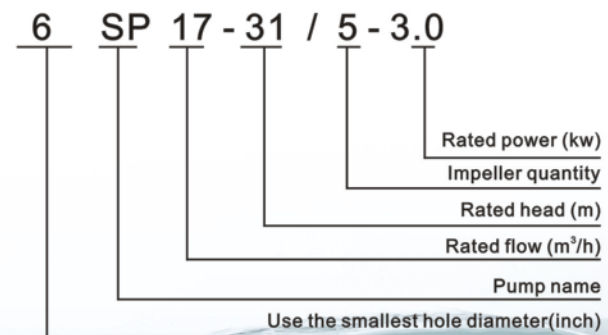
Special features on request

Other voltages.
Frequency 60Hz.
Other mechanical seal.
The length of cable over than 300m.
Cable gland with cable fasteners.

Warranty: 1 year

(as per our general sales conditions).

Model Description:



MODEL	P2		Frequency (Hz)	CAPACITY AND HEAD n≈2860 r/min						
Three phase 380V–50Hz	kW	HP		Q m³/h l/min	0	10	14	17	20	22
					0	167	233	283	333	367
6SP17/5–3.0	3	4	50	H(m)	53	49	44	40	35	24
6SP17/7–4.0	4	5.5	50		75	69	61	56	49	33
6SP17/9–5.5	5.5	7.5	50		97	81	79	72	63	43
6SP17/12–7.5	7.5	10	50		129	108	105	96	84	57
6SP17/15–9.2	9.2	12.5	50		162	134	132	120	105	72
6SP17/18–11	11	15	50		194	161	158	144	126	86
6SP17/21–13	13	17.5	50		226	188	184	168	147	100
6SP17/27–15	15	20	50		259	215	211	192	168	115
6SP17/30–18.5	18.5	25	50		323	297	263	240	210	143

MODEL	P2		Frequency (Hz)	CAPACITY AND HEAD n ≈ 2860 r/min						
Three phase 380V–50Hz	Kw	HP		Q m³/h l/min	0	5	10	10	20	25
					0	83	167	250	333	417
6SP20/5–4.0	4	5.5	50	H(m)	70	68	62	50	37	25
6SP20/8–5.5	5.5	7.5	50		111	108	98	81	59	39
6SP20/11–7.5	7.5	10	50		153	149	135	111	81	54
6SP20/13–9.2	9.2	12.5	50		181	176	160	131	96	64
6SP20/15–11	11	15	50		209	203	185	152	111	74
6SP20/18–13	13	17.5	50		250	243	221	183	133	88
6SP20/20–15	15	20	50		278	270	246	204	149	98

6SP 30/46

Applications

For water supply from wells or reservoirs .
For domestic use, for civil and industrial applications, for garden use and irrigation.

Operating conditions

Water temperature up to 80℃.
Minimum internal diameter of well:102mm
Maximum immersion depth:300m

Motor

①Full obturated screen motor
②Rewind able motor
Three-phase:230V±10%(220-240V)
Three-phase:440V±10%(380-415V)
Single-phase:230V±10%(220-240V)
Control box with capacitor, on request.

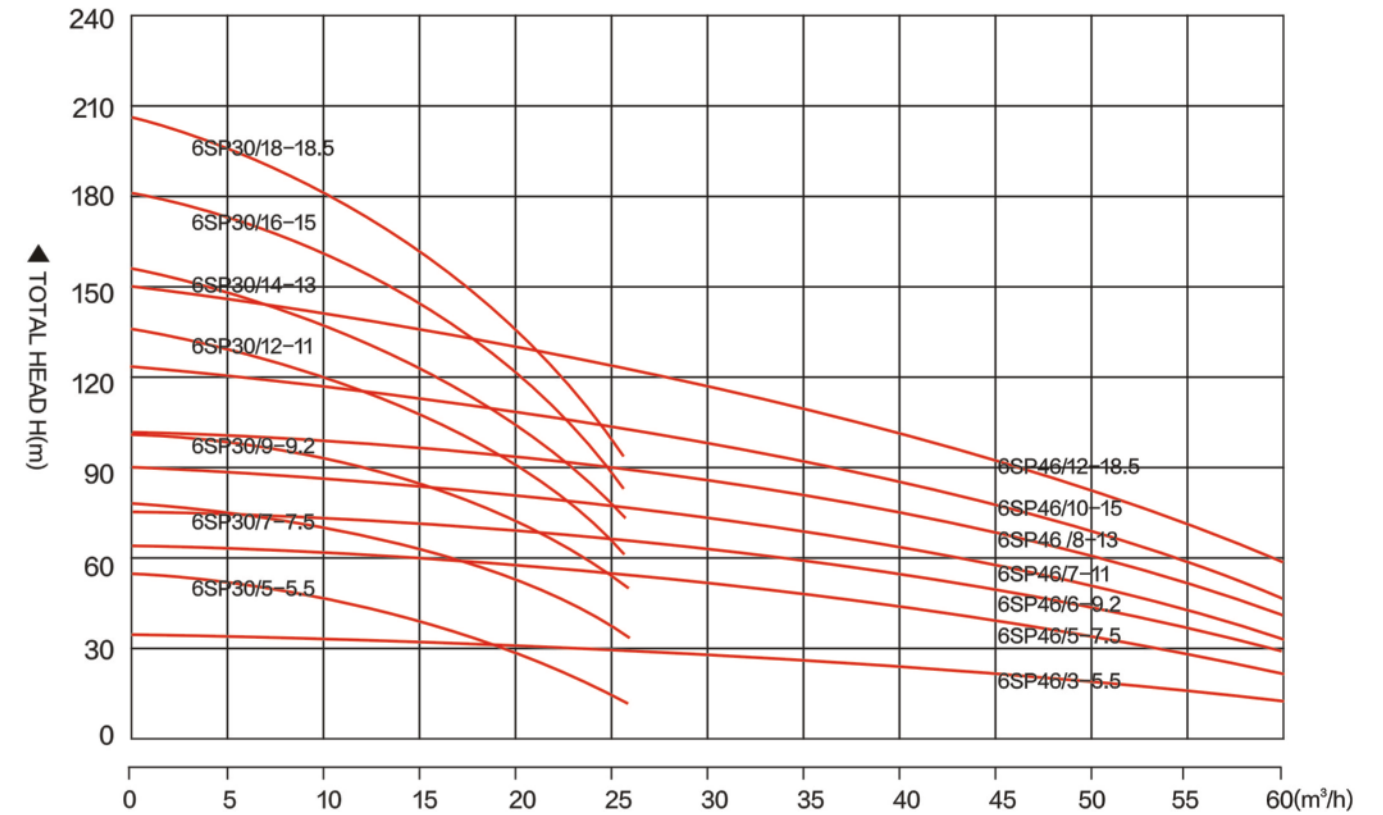
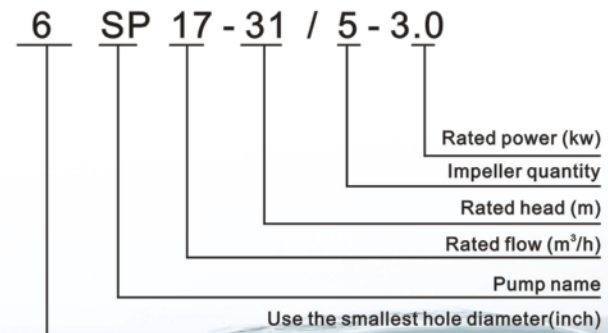
Special features on request

Other voltages.
Frequency 60Hz.
Other mechanical seal.
The length of cable over than 300m.
Cable gland with cable fasteners.

Warranty: 1 year

(as per our general sales conditions).

Model Description:



MODEL	P2		Frequency (Hz)	CAPACITY AND HEAD n≈2860 r/min							
Three phase 380V–50Hz	Kw	HP		Q	m³/h	0	16	20	24	30	45
					l/min	0	267	333	400	500	600
6SP30/5–5.5	5.5	7.5	50	H(m)	57	50	49	43	36	26	
6SP30/7–7.5	7.5	10	50		79	70	65	60	51	37	
6SP30/9–9.2	9.2	12.5	50		102	90	83	77	65	47	
6SP30/12–11	11	15	50		136	120	111	102	87	63	
6SP30/14–13	13	17.5	50		159	140	130	119	102	74	
6SP30/16–15	15	20	50		181	160	148	136	116	84	
6SP30/18–18.5	18.5	25	50		204	180	167	153	131	95	

MODEL	P2		Frequency (Hz)	CAPACITY AND HEAD n ≈ 2860 r/min						
Three phase 380V–50Hz	Kw	HP		Q m³/h l/min	0	24	30	46	54	60
					0	400	500	767	900	1000
6SP46/3–5.5	5.5	7.5	50	H(m)	38	34	32	25	19	15
6SP46/5–7.5	7.5	10	50		64	56	53	41	32	24
6SP46/6–9.2	9.2	12.5	50		76	67	64	49	38	29
6SP46/7–11	11	15	50		89	79	74	58	45	34
6SP46/8–13	13	17.5	50		102	90	85	66	51	39
6SP46/10–15	15	20	50		127	112	106	82	64	49
6SP46/12–18.5	18.5	25	50		150	135	127	99	77	59

4SK

Applications

For water supply from wells or reservoirs .
For domestic use, for civil and industrial applications, for garden use and irrigation.

Operating conditions

Water temperature up to 40°C.
Minimum internal diameter of well:102mm
Maximum immersion depth:120m

Motor

①Full obturated screen motor
②Rewind able motor
Three-phase:230V±10%(220-240V)
Three-phase:440V±10%(380-415V)
Single-phase:230V±10%(220-240V)
Control box with capacitor, on request.

Special features on request

Other voltages.
Frequency 50Hz.
Other mechanical seal.
The length of cable over than 120m.
Cable gland with cable fasteners.

Warranty: 1 year

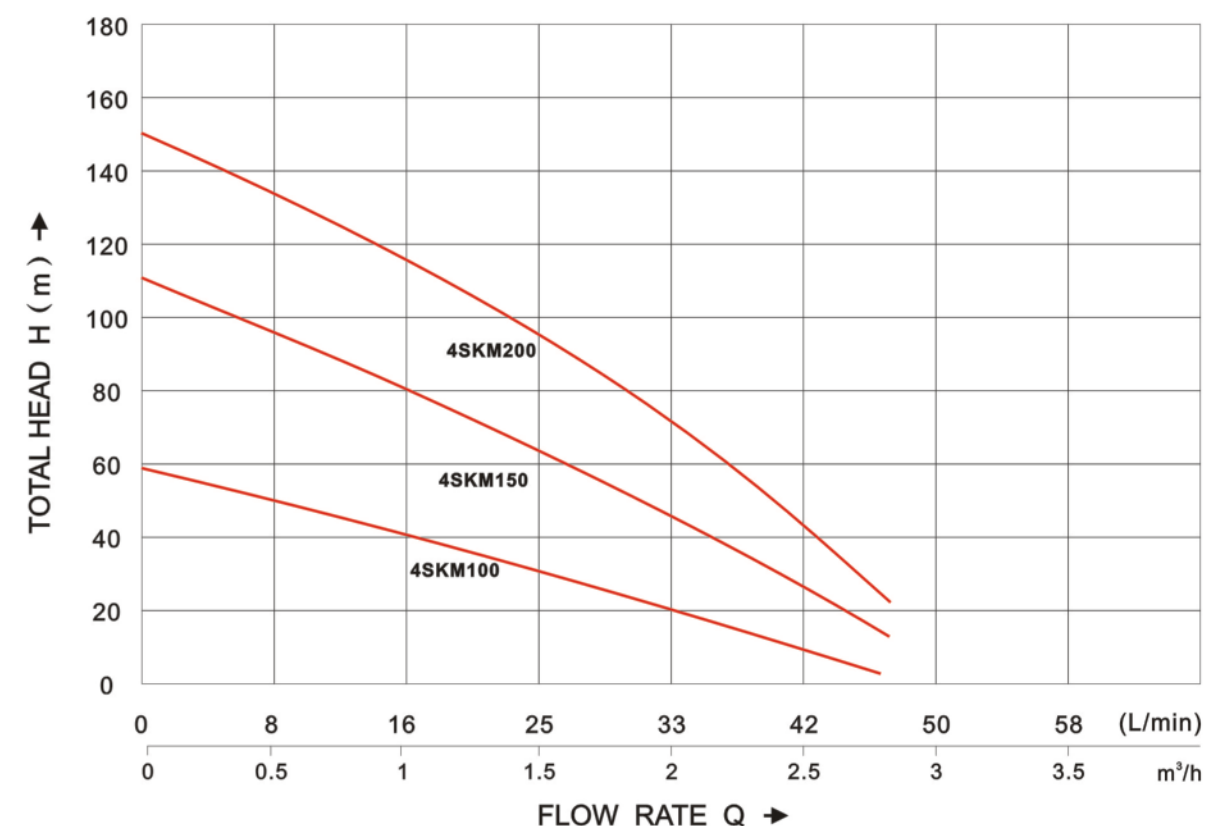
(as per our general sales conditions).

Components

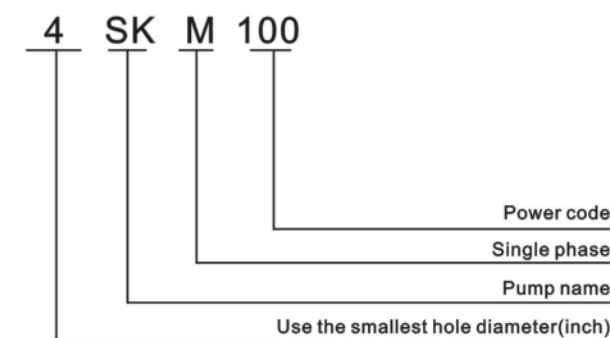
Material

Pump external casing	AISI 304 ss
Delivery casing	①AISI 304 ss ②Cast-Cu ASTM280
Suction lantern	①AISI 304 ss ②Cast-Cu ASTM280
Stage casing	Plastic, PC, PPO
Impeller	①AISI 304 ss ②Plastic, POM, PPO
Shaft	AISI 304 ss
Shaft coupling	①AISI 304 ss ②AISI 304 ss
Wear ring	AISI 304 ss
Motor external casing	AISI 304 ss
Former cover	①Cast-Cu ASTM280 ②G20 UNI5007
Bottom support	AISI 304 ss
Mechanical seal	Special seal for deep well(carbon-SiC/TC)
Shaft	AISI 316 ss-C1045
Bearing	NSK.NTN(Japan)
Seal lubricant oil	Oil for food machinery and pharmaceutical use

PERFORMANCE CHART at n=2850 1/min



Model Description:



Model	Power		Voltage V	Frequency Hz	Rotational speed (r/min)	Rated Flow(m³/h)	Rated Head (m)	Outlet Diameter (mm)
	kW	HP						
4SKM100	0.75	1	220	50	2860	1	40	25
4SKM150	1.1	1.5	220	50	2860	1	80	25
4SKM200	1.5	2	220	50	2860	1	115	25

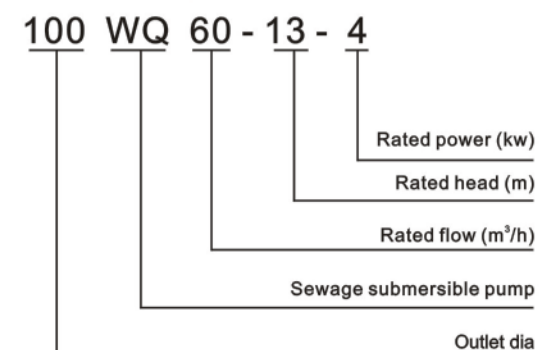


FUNCTION AND FEATURE:

WQ series submersible sewage pump consists of pump, mechanical seals and motor. Pump is at the lower part of sewage pump, Motor located at the upper part of the motor pump, which is three-phase electric motor.

Mechanical seal is between pump and motor and it is a kind of double end mechanical seal, "O" rings are applied in all static joints of the submersible pump. WQ submersible sewage pump widely used in agriculture, architecture, mine, environment protection and industry, such as drainage slurry, waste water, which contained short fibre, wastepaper, sand, and so on.

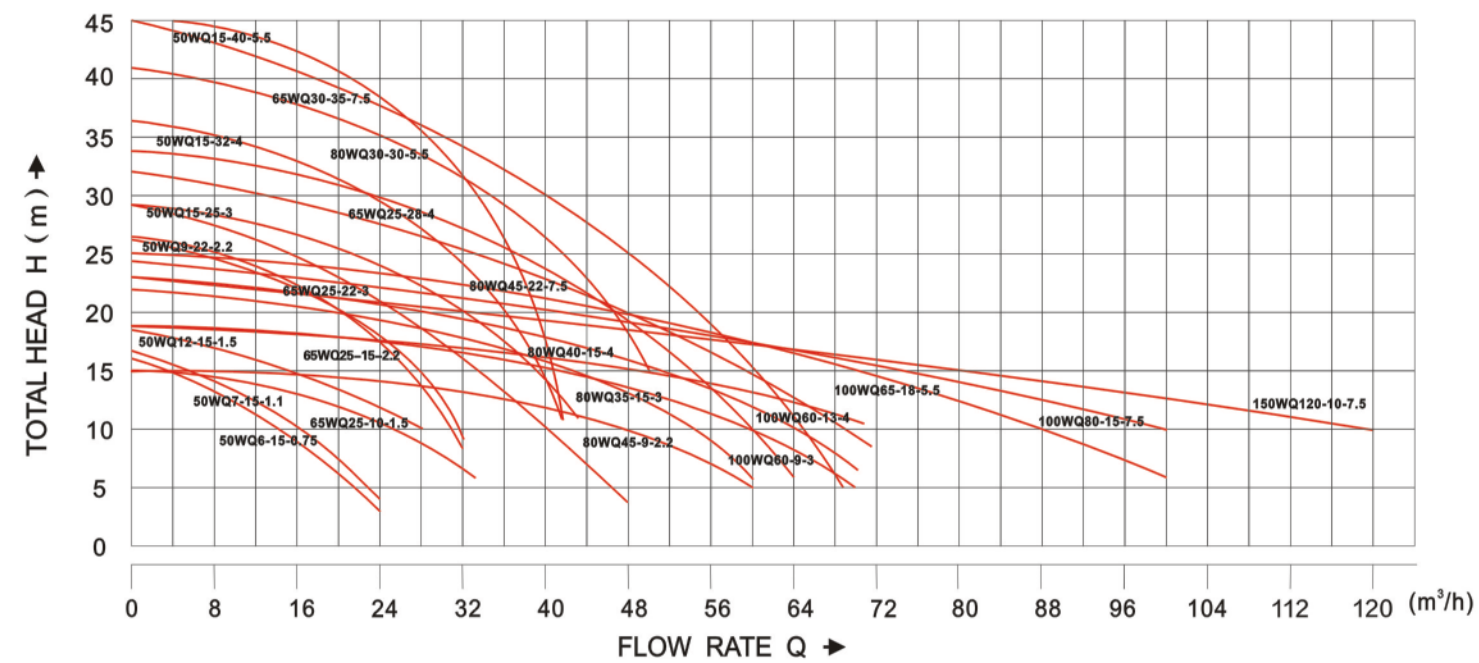
Model Description:



CONDITION OF USAGE:

1. The depth for the electrical pump below the water is no more than 5m;
2. The temperature of the water is no higher of 40°C
3. The pH figure of the water is between 5~9.;

PERFORMANCE CHART AT n=2860r/min



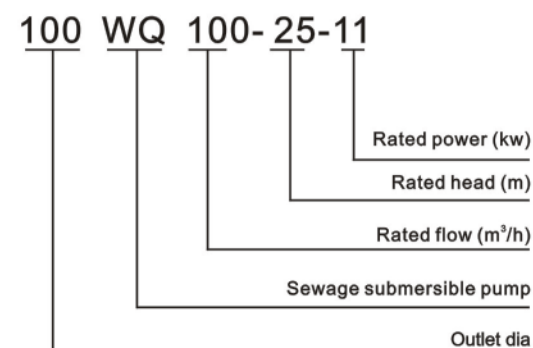
Model	Power		Voltage (V)	Frequency (Hz)	Rated Speed (r/min)	Rated Flow (m³/h)	Rated Head (m)	Outlet dia (mm)	Passing Solid Dia (φ mm)	Use of Lift Head (m)
	kW	HP								
50WQ6-15-0.75	0.75	1	380	50	2860	6	15	50	8	Total head
50WQ7-15-1.1	1.1	1.5	380	50	2860	7	15	50	20	Total head
50WQ12-15-1.5	1.5	2	380	50	2860	12	15	50	20	Total head
65WQ25-10-1.5	1.5	2	380	50	2860	25	10	65	20	Total head
50WQ9-22-2.2	2.2	3	380	50	2860	9	22	50	20	Total head
65WQ25-15-2.2	2.2	3	380	50	2860	25	15	65	20	Total head
80WQ45-9-2.2	2.2	3	380	50	2860	45	9	80	25	Total head
50WQ15-25-3	3	4	380	50	2860	15	25	50	20	Total head
65WQ25-22-3	3	4	380	50	2860	25	22	65	25	Total head
80WQ35-15-3	3	4	380	50	2860	35	15	80	25	Total head
100WQ60-9-3	3	4	380	50	2860	60	9	100	30	Total head
50WQ15-32-4	4	5.5	380	50	2860	15	32	50	20	Total head
65WQ25-28-4	4	5.5	380	50	2860	25	28	65	25	Total head
80WQ40-15-4	4	5.5	380	50	2860	40	15	80	25	Total head
100WQ60-13-4	4	5.5	380	50	2860	60	13	100	30	Total head
50WQ15-40-5.5	5.5	7.5	380	50	2860	15	40	50	20	Total head
80WQ30-30-5.5	5.5	7.5	380	50	2860	30	30	80	25	Total head
100WQ65-18-5.5	5.5	7.5	380	50	2860	65	18	100	35	Total head
65WQ30-35-7.5	7.5	10	380	50	2860	30	35	65	25	Total head
80WQ45-22-7.5	7.5	10	380	50	2860	45	22	80	30	Total head
100WQ80-15-7.5	7.5	10	380	50	2860	80	15	100	35	Total head
150WQ120-10-7.5	7.5	10	380	50	2860	120	10	150	45	Total head



FUNCTION AND FEATURE:

The WQ submersible pump series consists of mechanical seals and motor. The motor is at the bottom part of the sewage pump. The motor is located at the upper part of the motor pump, which is a three-phase electric motor. A seal is used to combine the upper part of the pump and the motor. The seal is a double-end mechanical seal with "O" rings used for all static joints. The WQ submersible sewage pump series is used mainly in **agriculture, architecture, mining, environment protection** and other industries. It can drain slurry, waste water (which can contain short fibres), wastepaper, sand and so on.

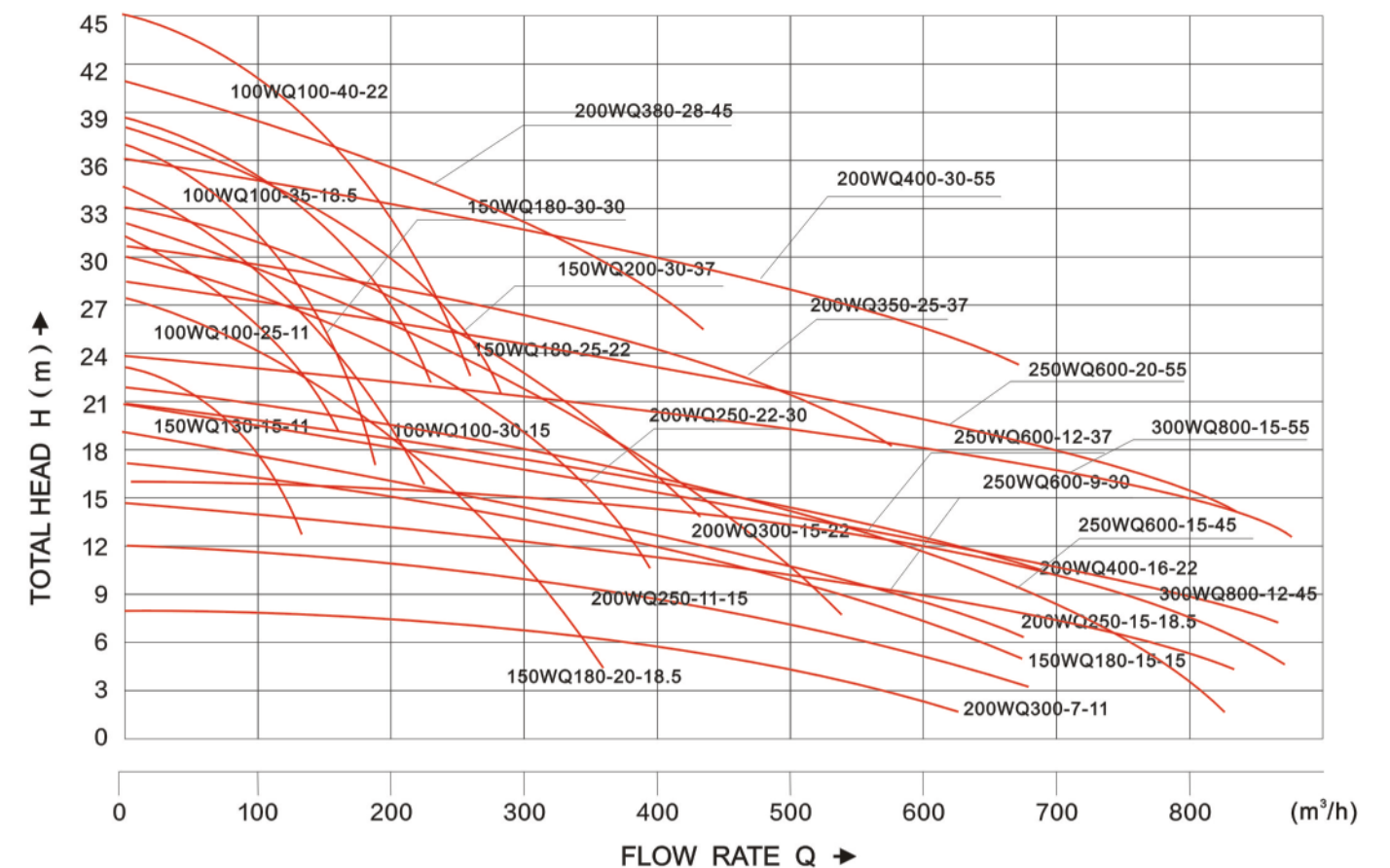
Model Description:



CONDITION OF USAGE:

- 1.The depth for the electrical pump below the water is no more than 5m;
- 2.The temperature of the water is no higher of 40℃
- 3.The pH figure of the water is between 6.5~8.5;

PERFORMANCE CHART AT n=1450r/min



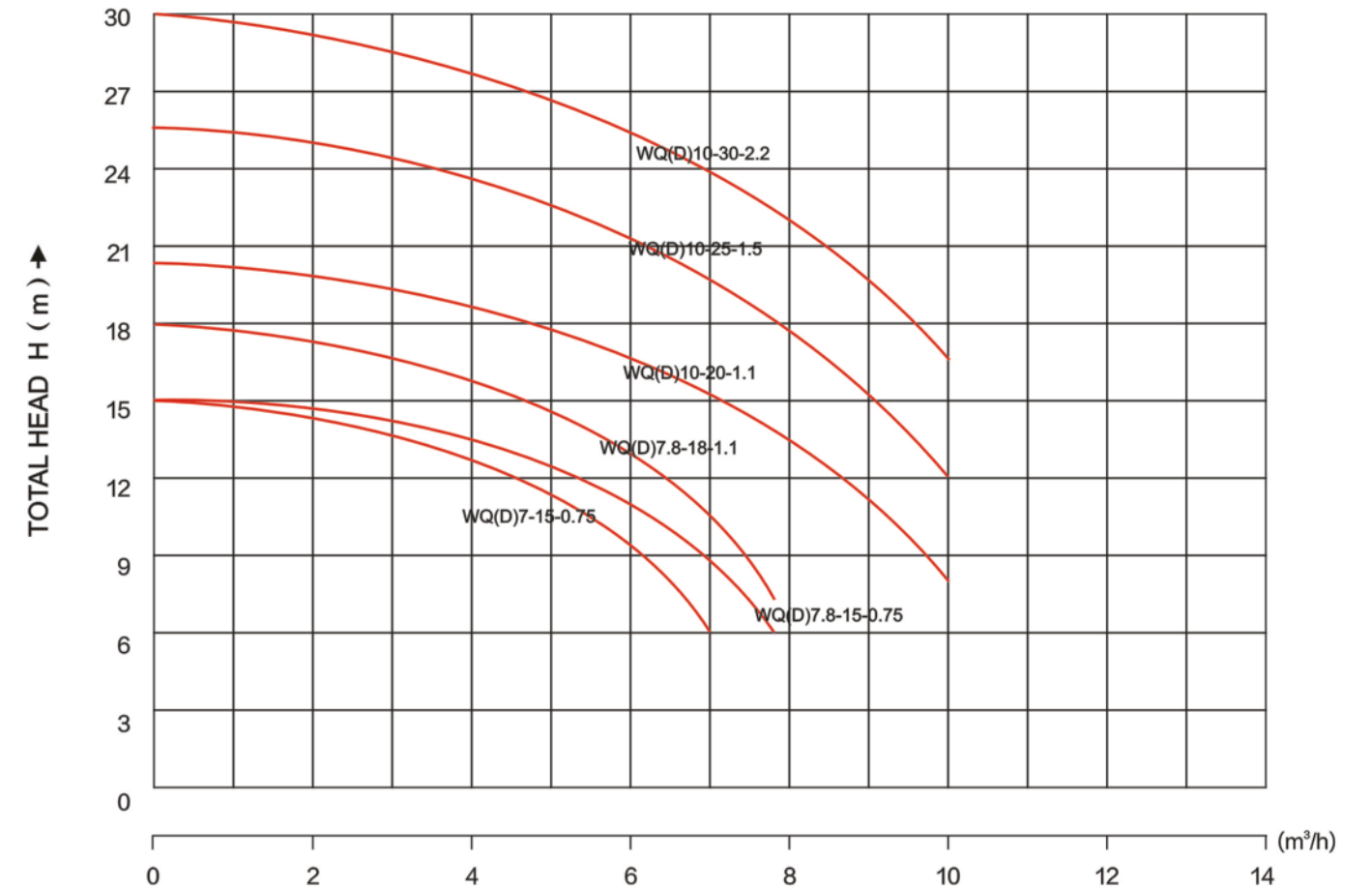
Model	Power		Voltage (V)	Frequency (Hz)	Rated Speed (r/min)	Rated Flow (m³/h)	Rated Head (m)	Outlet dia (mm)	Passing Solid Dia. (φ mm)	Use of Lift Head(m)
	kW	HP								
100WQ100-25-11	11	15	380	50	1450	100	25	100	35	Total head
150WQ130-15-11	11	15	380	50	1450	130	15	150	45	Total head
200WQ300-7-11	11	15	380	50	1450	300	7	200	50	Total head
100WQ100-30-15	15	20	380	50	1450	80	30	100	35	Total head
150WQ180-15-15	15	20	380	50	1450	180	15	150	45	Total head
200WQ250-11-15	15	20	380	50	1450	250	11	200	50	Total head
100WQ100-35-18.5	18.5	25	380	50	1450	100	35	100	35	Total head
150WQ180-20-18.5	18.5	25	380	50	1450	180	20	150	45	Total head
200WQ250-15-18.5	18.5	25	380	50	1450	250	15	200	50	Total head
100WQ100-40-22	22	30	380	50	1450	100	40	100	45	Total head
150WQ180-25-22	22	30	380	50	1450	180	28	150	45	Total head
200WQ300-15-22	22	30	380	50	1450	300	22	200	50	Total head
200WQ400-16-22	22	30	380	50	1450	400	16	200	50	Total head
150WQ180-30-30	30	40	380	50	1450	180	30	150	50	Total head
200WQ250-22-30	30	40	380	50	1450	250	22	200	55	Total head
250WQ600-9-30	30	40	380	50	1450	600	9	250	60	Total head
150WQ200-30-37	37	50	380	50	1450	200	30	150	50	Total head
200WQ350-25-37	37	50	380	50	1450	350	25	200	55	Total head
250WQ600-12-37	37	50	380	50	1450	600	12	250	60	Total head
200WQ380-28-45	45	61	380	50	1450	380	28	200	55	Total head
250WQ600-15-45	45	61	380	50	1450	600	15	250	60	Total head
300WQ800-12-45	45	61	380	50	980	800	12	300	70	Total head
200WQ400-30-55	55	75	380	50	1450	400	30	200	55	Total head
250WQ600-20-55	55	75	380	50	1450	600	20	250	60	Total head
300WQ800-15-55	55	75	380	50	980	800	15	300	70	Total head

FUNCTION AND FEATURE:

The WQ submersible pump series consists of mechanical seals and motor. It has an open impeller which makes it strong for discharge of sewage water with dirt or fibres. The WQ submersible sewage pump series is used mainly in **agriculture, architecture, mining, environment protection** and other industries. It can drain slurry, waste water (which can contain short fibres), wastepaper, sand and so on.

CONDITION OF USAGE:

1. The maximum deep it is allowed in water is 5m from its center of impeller;
2. The trans medium's temperature shouldn't be higher than 40°C;
3. The trans medium's pH scope is from 5~9;
4. The kinematics viscosity of the trans medium is $7 \times 10^{-7} \sim 23 \times 10^{-6} \text{ m}^2/\text{s}$;
5. The maximum density of the trans medium is $1.2 \times 10^3 \text{ kg/m}^3$



	Power		Voltage (V)	Frequency (Hz)	Speed (r/min)	Rated Flow (m³/h)	Rated Head (m)	Piping caliber (mm)	Use of Lift Head(m)
	kW	HP							
WQ(D)7-15-0.75	0.75	1	220/380	50	2860	7	15	50	Total head
WQ(D)7.8-15-0.75	0.75	1	220/380	50	2860	7.8	15	50	Total head
WQ(D)7.8-18-1.1	1.1	1.5	220/380	50	2860	7.8	18	50	Total head
WQ(D)10-20-1.1	1.1	1.5	220/380	50	2860	10	20	50	Total head
WQ(D)10-25-1.5	1.5	2	220/380	50	2860	10	25	50	Total head
WQ(D)10-30-2.2	2.2	3	220/380	50	2860	10	30	50	Total head

Application area

Used for agriculture water lifting, water supply, drainage of farmland, gardens and domestic usage. Can also be used in drainage of industry ponds and construction buildings.

Operating limits

Trans medium's PH: 6-8.5
Fluid temperature limit: <40℃
Max ambient temperature: <40℃
Operating depth: 3m

Material

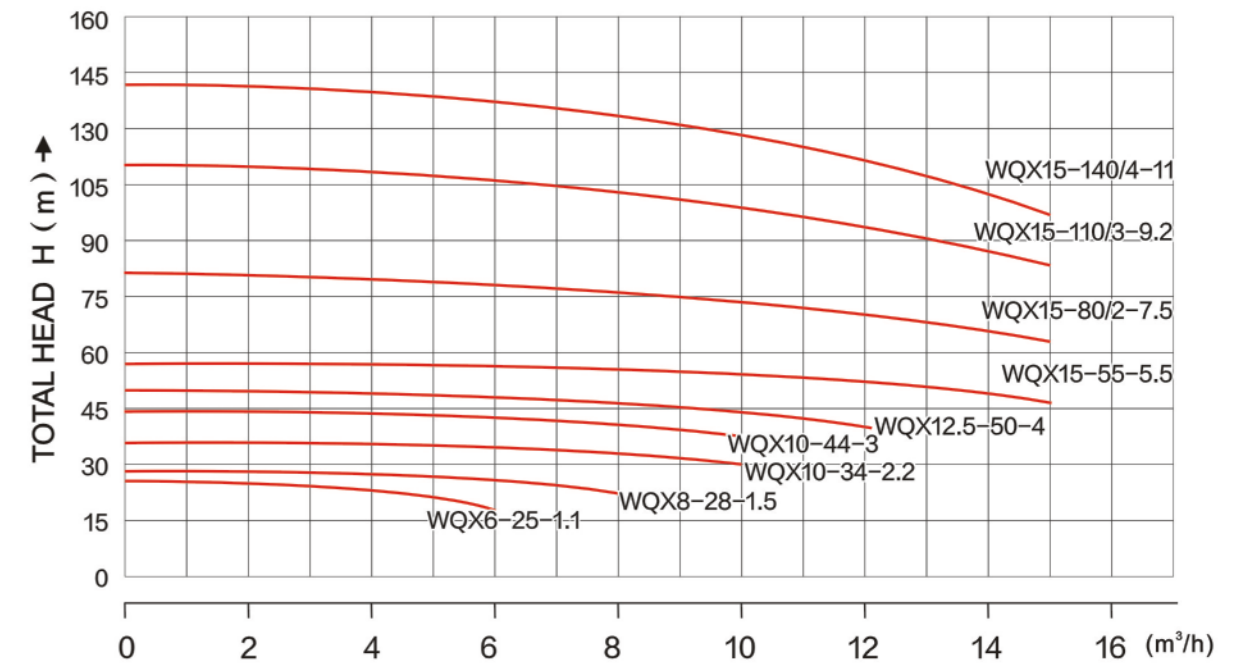
Pump body: Aluminium / Stainless steel(AISI 304)
Impeller: Aluminium / PPO
Motor shaft: Stainless steel
Mechanical seal: Ceramic-Graphite
Suction strainer: Stainless steel

Structural characteristics

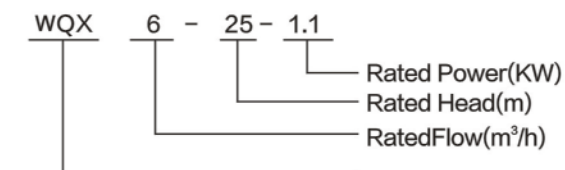
Insulation Class: B
Protection Class: Ip68



PERFORMANCE CHART AT n=2860r/min



Model Specification



Model	Power		Voltage (V)	Frequency (Hz)	Rated Flow (m³/h)	Rated Head (m)	Outlet Diameter (mm)	Net Weight (kg)
	kW	HP						
WQX6-25-1.1	1.1	1.5	380	50	6	25	40	21
WQX8-28-1.5	1.5	2	380	50	8	28	50	24
WQX10-34-2.2	2.2	3	380	50	10	34	50	39
WQX10-44-3	3	4	380	50	10	44	50	47
WQX12.5-50-4	4	5	380	50	12.5	50	50	52
WQX15-55-5.5	5.5	7.5	380	50	15	55	50	72
WQX15-80/2-7.5	7.5	10	380	50	15	80	50	94
WQX15-110/3-9.2	9.2	12.5	380	50	15	110	50	118
WQX15-140/4-11	11	15	380	50	15	140	50	128

Condition of usage:

1. Three-phase AC power supply with power frequency of 50Hz and rated voltage of 380V (tolerance of $\pm 5\%$)
2. The temperature of the water is no higher of 40° C;
3. The pH figure of the water is between 6. 5-8.5;

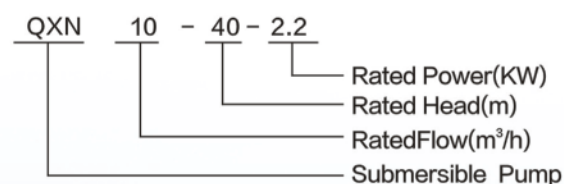
Products introduction:

QXN series are the downdraft built-in submersible electric pumps, which is suitable for sewage pumping in various harsh environments. The motor is a three-phase asynchronous motor, which occupies a small area, is easy to install, reliable and durable, and has a long service life.

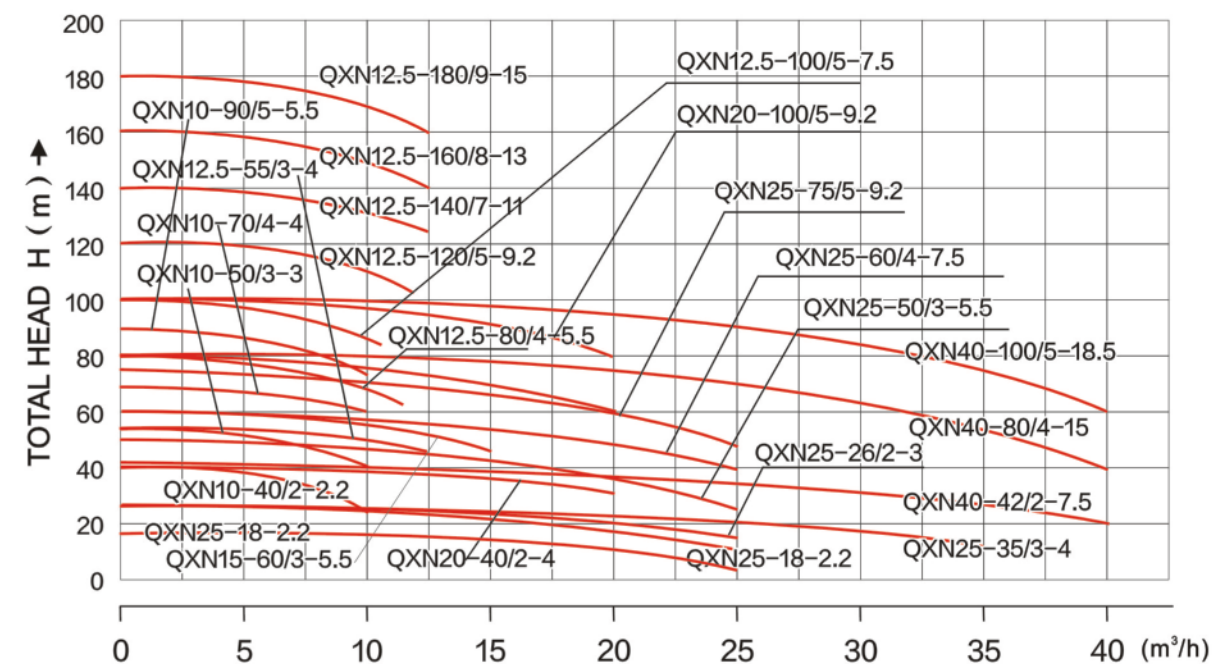
Main Application:

For mining, building, factory and industrial applications. For water supply from wells, tanks or reservoirs. For garden use and agricultural irrigation.

Model Specification



PERFORMANCE CHART AT n=2860r/min



Model	Power		Voltage (V)	Frequency (Hz)	Rated Flow(m³/h)	Rated Head(m)	Outlet Diameter (mm)	Net Weight (kg)
	kW	HP						
QXN10-40/2-2.2	2.2	3	380	50	10	40	50	52
QXN25-18-2.2	2.2	3	380	50	25	18	65	46
QXN10-50/3-3	3	4	380	50	10	50	50	58
QXN25-26/2-3	3	4	380	50	25	26	65	53.5
QXN10-70/4-4	4	5.5	380	50	10	70	50	73
QXN12.5-55/3-4	4	5.5	380	50	12.5	55	50	67
QXN20-40/2-4	4	5.5	380	50	20	40	50	61.5
QXN25-35/3-4	4	5.5	380	50	25	35	65	62.5
QXN10-90/5-5.5	5.5	7.5	380	50	10	90	50	80.5
QXN12.5-80/4-5.5	5.5	7.5	380	50	12.5	80	50	79
QXN15-60/3-5.5	5.5	7.5	380	50	15	60	50	70
QXN25-50/3-5.5	5.5	7.5	380	50	25	50	65	72.5
QXN12.5-100/5-7.5	7.5	10	380	50	12.5	100	50	96
QXN20-80/4-7.5	7.5	10	380	50	20	80	50	90
QXN25-60/4-7.5	7.5	10	380	50	25	60	65	90
QXN12.5-120/5-9.2	9.2	12.5	380	50	12.5	120	50	101
QXN20-100/5-9.2	9.2	12.5	380	50	20	100	50	107.5
QXN25-75/5-9.2	9.2	12.5	380	50	25	75	65	110
QXN12.5-140/7-11	11	15	380	50	12.5	140	50	154
QXN12.5-160/8-13	13	17.5	380	50	12.5	160	50	186
QXN12.5-180/9-15	15	20	380	50	12.5	180	50	215
QXN40-42/2-7.5	7.5	10	380	50	40	42	80	86
QXN40-63/3-11	11	15	380	50	40	63	80	125
QXN40-80/4-15	15	20	380	50	40	80	80	150
QXN40-100/5-18.5	18.5	25	380	50	40	100	80	225

Condition of usage:

- 1, the highest fluid temperature can reach +35°C
2. Maximum sand content: 0.25%.
3. Maximum immersion: 30m.
4. Minimum well diameter: $\phi 7$

Products introduction:

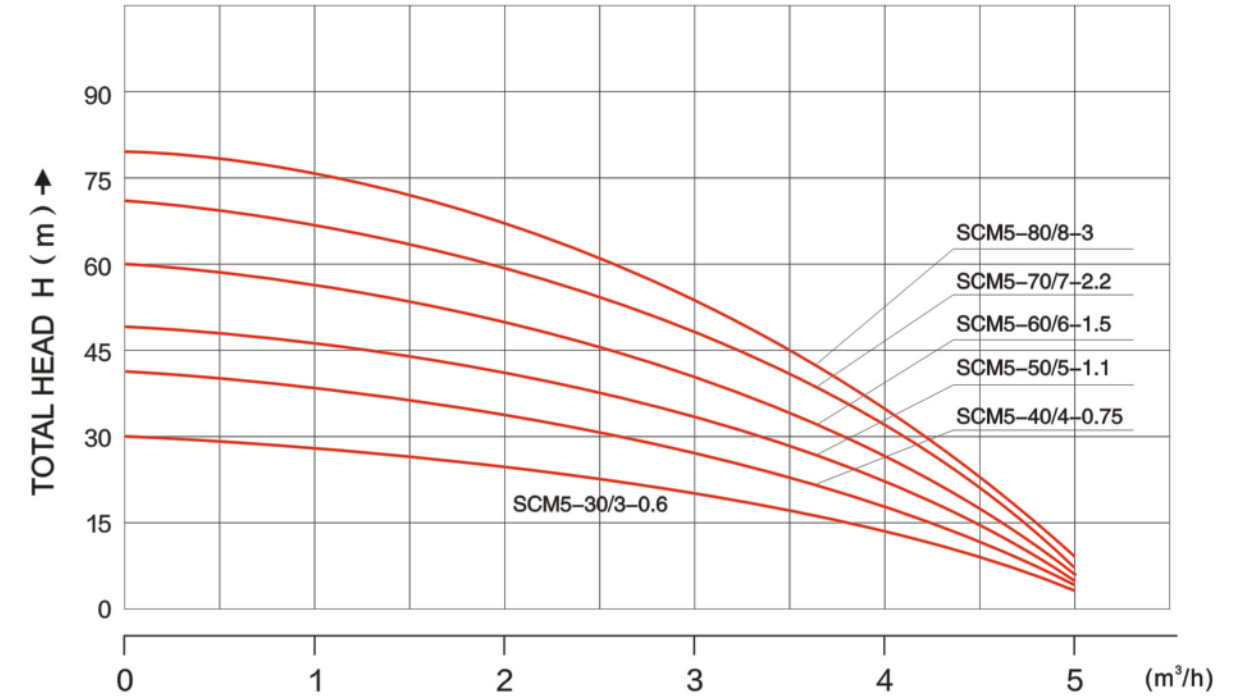
- 1, can be rewound motor or fully closed screen motor.
- 2, three-phase :380V-415V/50Hz/single-phase :220V-240V/50Hz
- 3, equipped with start control box or digital automatic control box
- 4, the pump is designed by casing force size standard in accordance with ISO 9906

Options on request

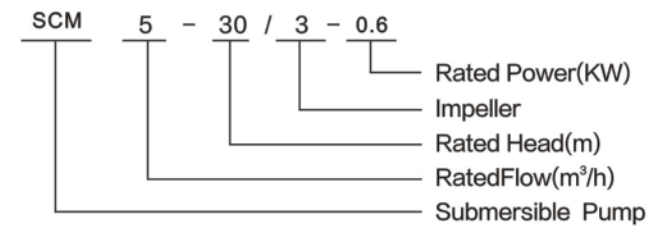
- 1, special mechanical seal
2. Voltage frequency 60Hz
3. Single-phase motor with built-in capacitor



PERFORMANCE CHART AT n=2860r/min



Model Specification



Model	Power		Voltage (v)	Frequency (Hz)	Rotational speed (r/min)	Flow rate (m³/h)	Rated (m)	Outlet Diameter (mm)
	kW	HP						
SCM5-30/3-0.6	0.6	0.8	220	50	2850	5	30	32
SCM5-40/4-0.75	0.75	1	220	50	2850	5	40	32
SCM5-50/5-1.1	1.1	1.5	220	50	2850	5	50	32
SCM5-60/6-1.5	1.5	2	220	50	2850	5	60	32
SCM5-70/7-2.2	2.2	3	220	50	2850	5	70	32
SCM5-80/8-3	3	4	220	50	2850	5	80	32

Condition of usage:

1. The working medium is non-corrosive clean water, the volume ratio of the sand content in the medium is not more than 0.10%, and the particle size is not more than 0.20mm.
2. The temperature of the medium does not exceed 40° C, and the PH value of the medium is between 6.5–8.5
3. The electric pump should be used within the scope of use near the specified head. And completely immersed in water for use, the diving depth is not more than 5m.
4. The electric pump should be more than 0.5m away from the bottom of the water, but it should not fall into the mud. Affect heat dissipation, otherwise it will cause an explosion.
5. The power frequency is three-phase 50Hz, the voltage is 380V, and the voltage fluctuation range is 0.9–1.1 times the rated value.

Model Specification

QY 20 - 36 - 2

Submersible Pump
Rated Flow(m³/h)
Rated Head(m)
Rated Power(KW)



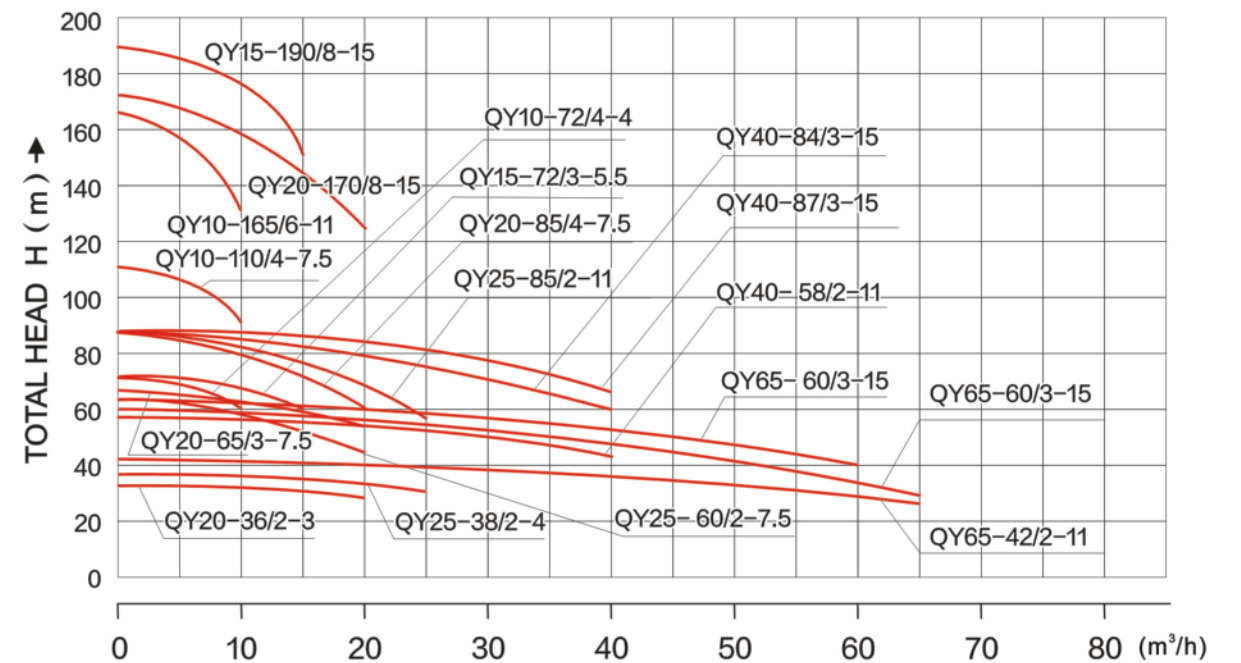
Products introduction:

This series of electric pumps has a wide range of applications due to the rate flow and head, and is the electric drainage and irrigation equipment for the vast rural areas, industrial and mining enterprises.

Main Application:

It is an indispensable water supply and drainage tool for farmland irrigation and drainage, garden sprinkler irrigation, underground water pumping, water tower water supply, urban construction water and other occasions.

PERFORMANCE CHART AT n=2860r/min

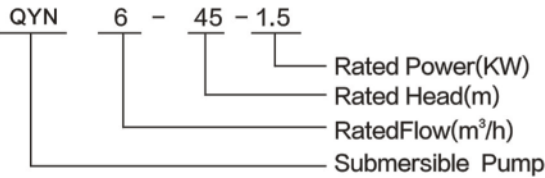


Model	Power		Voltage (V)	Frequency (Hz)	Rated Flow(m³/h)	Rated Head(m)	Outlet Diameter (mm)	Net Weight (kg)
	kW	HP						
QY20-36/2-3	3	4	380	50	20	36	65	48
QY25-38/2-4	4	5.5	380	50	25	38	65	58
QY10-72/4-4	4	5.5	380	50	10	72	50	65
QY15-72/3-5.5	5.5	7.5	380	50	15	72	65	95
QY25-60/2-7.5	7.5	10	380	50	25	60	65	95
QY20-65/3-7.5	7.5	10	380	50	20	65	65	115
QY10-110/4-7.5	7.5	10	380	50	10	110	50	140
QY20-85/4-7.5	7.5	10	380	50	20	85	65	103
QY40-58/2-11	11	15	380	50	40	58	80	105
QY65-42/2-11	11	15	380	50	65	42	100	140
QY10-165/6-11	11	15	380	50	10	165	50	140
QY25-85/2-11	11	15	380	50	25	85	65	115
QY40-87/3-15	15	20	380	50	40	87	80	125
QY65-60/3-15	15	20	380	50	65	60	100	150
QY15-190/8-15	15	20	380	50	15	190	50	165
QY20-170/8-15	15	20	380	50	20	170	65	165
QY40-84/3-15	15	20	380	50	40	84	80	150
QY65-60/3-15	15	20	380	50	65	60	100	150

Products introduction:

QYN oil-immersed seawater electric pump adopts multi-stage impeller section structure, high head and wide application area.

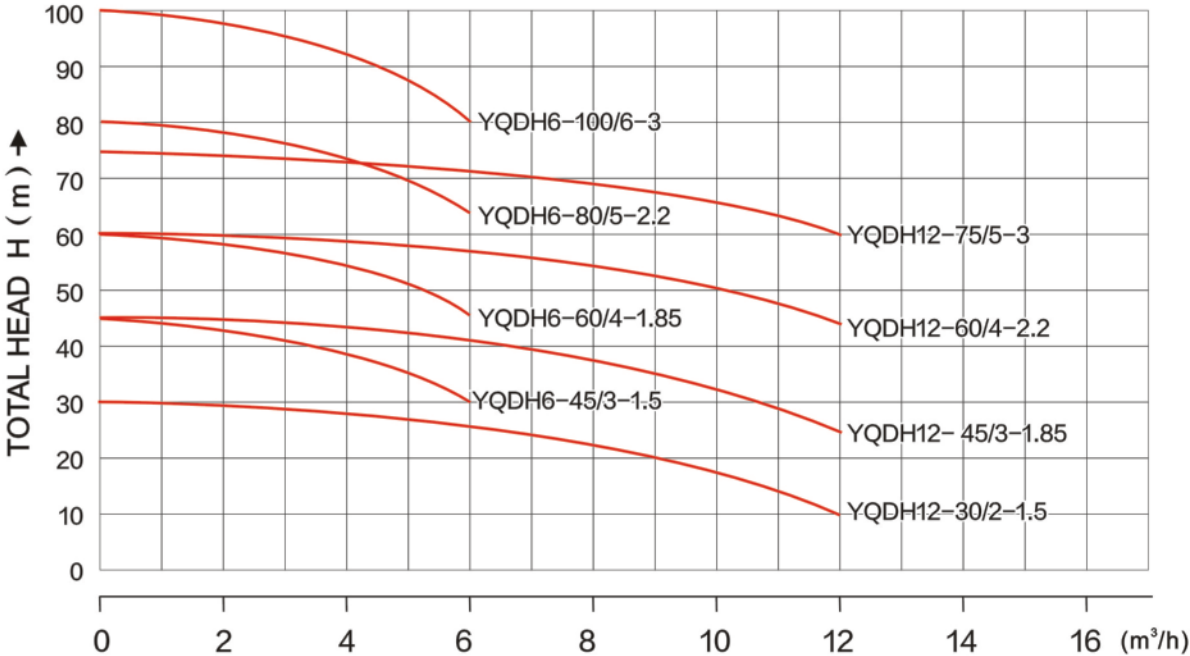
Model Specification



Main Application:

It is an indispensable water supply and drainage tool for farmland irrigation, seawater irrigation and drainage, garden sprinkler irrigation, landscape fountains, underground water pumping, water tower water supply, urban construction, industrial and mining enterprises, etc.

PERFORMANCE CHART AT n=2860r/min



Model	Power		Voltage (V)	Frequency (Hz)	Rated Flow(m³/h)	Rated Head(m)	Outlet Diamerter (mm)	Net Weight (kg)
	kW	HP						
QYN6-45/3-1.5	1.5	2	220/380	50	6	45	40	21
QYN6-60/4-1.85	1.85	2.5	220/380	50	6	60	40	23
QYN6-80/5-2.2	2.2	3	220/380	50	6	80	40	25.9
QYN6-100/6-3	3	4	220/380	50	6	100	40	32
QYN12-30/2-1.5	1.5	2	220/380	50	12	30	50	21
QYN12- 45/3-1.85	1.85	2.5	220/380	50	12	45	50	22
QYN12-60/4-2.2	2.2	3	220/380	50	12	60	50	26
QYN12-75/5-3	3	4	220/380	50	12	75	50	30.5

Products introduction:

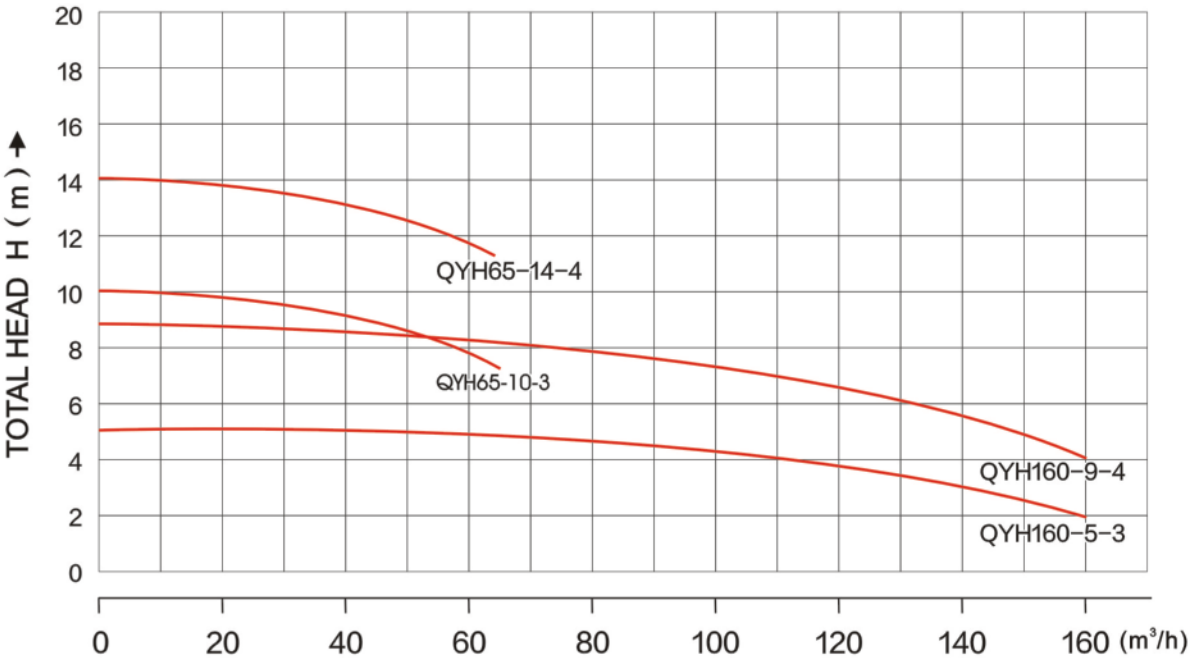
QYH oil-immersed seawater electric pump adopts multi-stage impeller section structure, high head and wide application area.

Main Application:

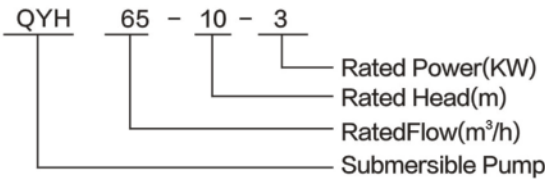
It is an indispensable water supply and drainage tool for farmland irrigation, seawater irrigation and drainage, garden sprinkler irrigation, landscape fountains, underground water pumping, water tower water supply, urban construction, industrial and mining enterprises, etc.



PERFORMANCE CHART AT n=2860r/min



Model Specification



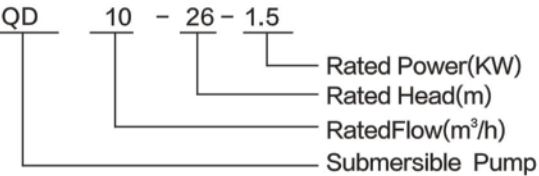
Model	Power		Voltage (V)	Frequency (Hz)	Rated Flow(m³/h)	Rated Head(m)	Outlet Diamerter (mm)	Net Weight (kg)
	kW	HP						
QYH65-10-3	3	4	380	50	65	10	100	39
QYH160-5-3	3	4	380	50	160	5	150	40
QYH65-14-4	4	5.5	380	50	65	14	100	40
QYH160-9-4	4	5.5	380	50	160	9	150	41

Products introduction:

QD series multi-stage submersible pump is composed of water pump, motor and mechanical seal, based in the upper of electric pump. Motor is single or three-phase asynchronous motor; located in the part of electric pump, water pump of channel impeller or vortex impeller-volute structure, mechanical seal and framework oil seal are adopted between water pump and motor as seal, O-shaped oil resistant rubber seal rings are adopted at fixed rabbet seals as static seal to insure the reliability of electric pump.

There are multi-stage impellers, high head and large flow. Stainless steel material series is more resistant to corrosion and prolongs life.

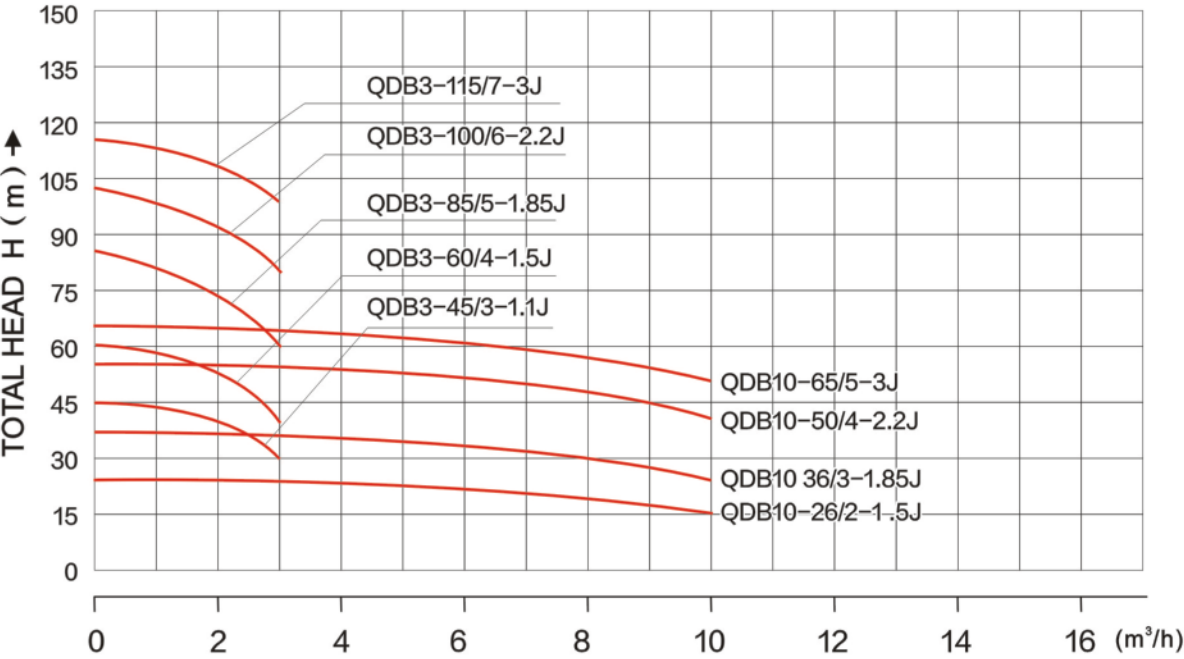
Model Specification



Main Application:

This series of electric pumps are widely used in such fields as industry agriculture, mining, building construction and municipal administration and environmental protection.

PERFORMANCE CHART AT n=2860r/min



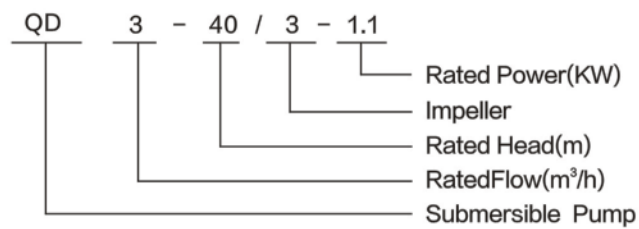
Model	Power		Voltage (V)	Frequency (Hz)	Rated Flow(m³/h)	Rated Head(m)	Outlet Diamerter (mm)	Net Weight (kg)
	kW	HP						
QDB3-45/3-1.1J	1.1	1.5	220/380	50	3	45	25	20.5
QDB3-60/4-1.5J	1.5	2	220/380	50	3	60	25	21.5
QDB3-85/5-1.85J	1.85	2.5	220/380	50	3	85	25	23
QDB3-100/6-2.2J	2.2	3	220/380	50	3	100	25	25
QDB3-115/7-3J	3	4	220/380	50	3	115	25	27
QDB10-26/2-1.5J	1.5	2	220/380	50	10	26	50/65	21
QDB10 36/3-1.85J	1.85	2.5	220/380	50	10	36	50/65	23.4
QDB10-50/4-2.2J	2.2	3	220/380	50	10	50	50/65	26.4
QDB10-65/5-3J	3	4	220/380	50	10	65	50/65	29.5

Products introduction:

QD series multi-stage submersible pump is composed of water pump, motor and mechanical seal, based in the upper of electric pump. Motor is single or three-phase asynchronous motor; located in the part of electric pump, water pump of channel impeller or vortex impeller-volute structure, mechanical seal and framework oil seal are adopted between water pump and motor as seal, O-shaped oil resistant rubber seal rings are adopted at fixed rabbet seals as static seal to insure the reliability of electric pump.

There are multi-stage impellers, high head and large flow. Stainless steel material series is more resistant to corrosion and prolongs life.

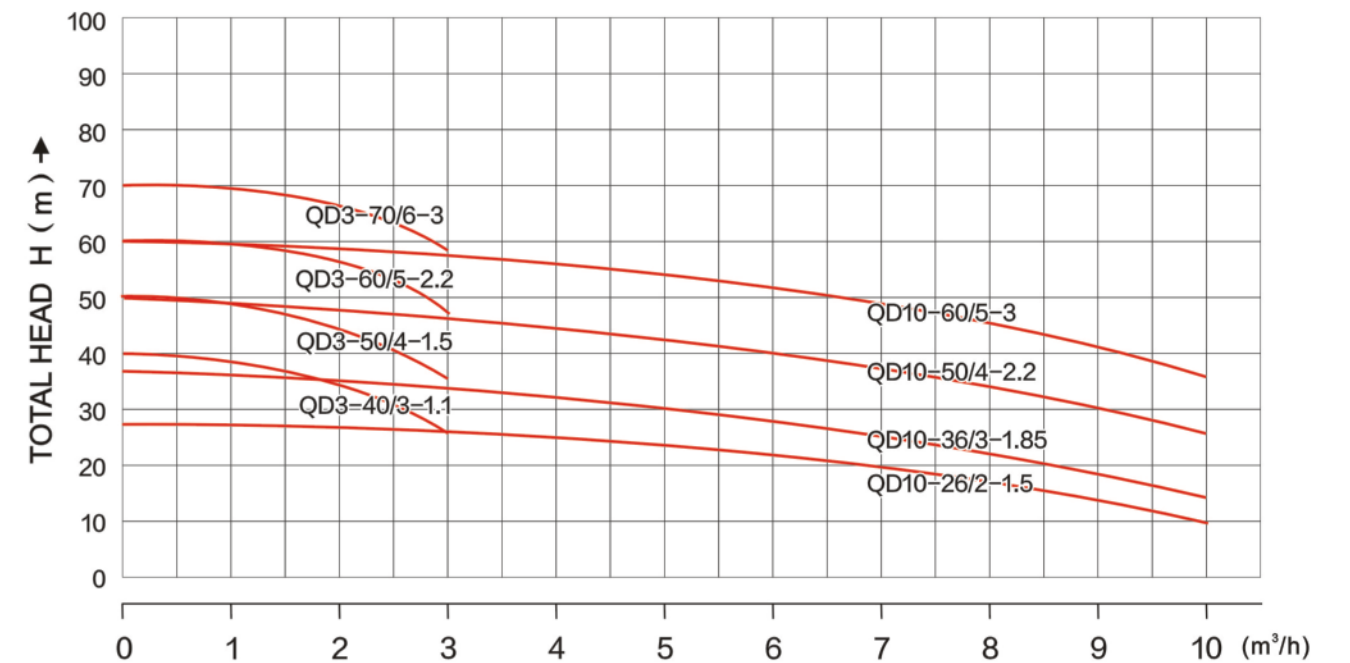
Model Specification



Main Application:

This series of electric pumps are widely used in such fields as industry agriculture, mining, building construction and municipal administration and environmental protection.

PERFORMANCE CHART AT n=2860r/min



Model	Power		Voltage (v)	Frequency (Hz)	Rated Flow (m³/h)	Rated Head (m)	Rotational speed (r/min)	Outlet Diameter (mm)
	kW	HP						
QD3-40/3-1.1	1.1	1.5	220	50	3	40	2850	25/40
QD3-50/4-1.5	1.5	2	220	50	3	50	2850	25/40
QD3-60/5-2.2	2.2	3	220	50	3	60	2850	25/40
QD3-70/6-3	3	4	220	50	3	70	2850	25/40
QD10-26/2-1.5	1.5	2	220	50	10	26	2850	50/65
QD10-36/3-1.85	1.85	2.5	220	50	10	36	2850	50/65
QD10-50/4-2.2	2.2	3	220	50	10	50	2850	50/65
QD10-60/5-3	3	4	220	50	10	60	2850	50/65

Performance range

Flow rate up to 140L/min. (8.4m³/h)
Head up to 45m

Operating limits

Suction lift up to 9m
Fluid temperature up to 60°C
Maximum ambient temperature 40°C

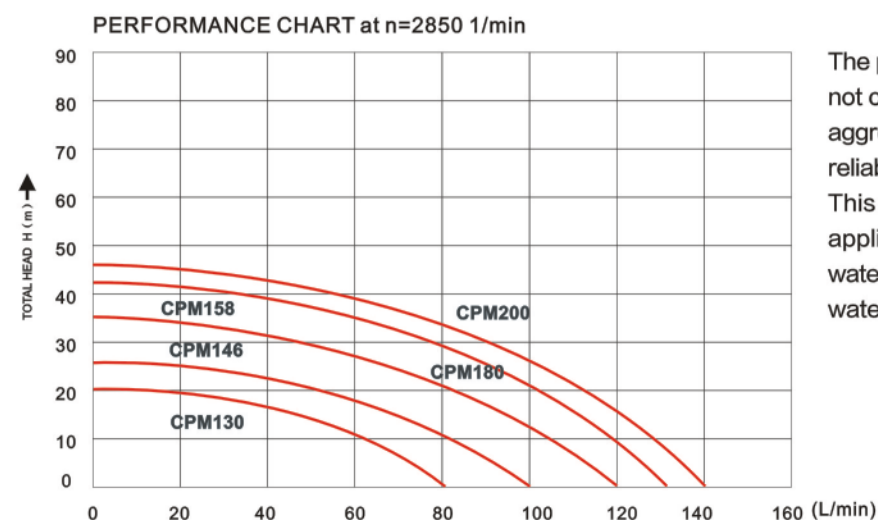
Standard data and equipment

Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V, 60Hz, dual voltage, stainless shaft, etc, will be available upon request.



20ft container

Model	Power		Voltage (V)	Frequency (Hz)	Flow rate (m ³ /h)	Rated (m)	Size (inch)	Suction head (m)	N.W (kg)	Packing QTY
	kW	HP								
CPM130	0.37	0.5	220	50	4.8	20	1" x1"	9	8	2200
CPM146	0.55	0.75	220	50	6.6	27	1" x1"	9	12	1600
CPM158	0.75	1	220	50	7.2	35	1" x1"	9	13	1540
CPM180	1.1	1.5	220	50	7.8	42	1.25" x1"	9	20	1200
CPM200	1.5	2	220	50	8.4	45	1.25" x1"	9	21	1200



The pumps are suitable for handling clean water, that does not contain abrasive particles or fluids which are chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free. This series is commonly used in many domestic and civil applications. In particularly in automated distributions of water, from small to medium-sized surge tanks, transferring water, water gardens, etc.

DTM SERIES CENTRIFUGAL PUMP

Performance range

Flow rate up to 480L/min. (28.8m³/h)
Head up to 20m

Operating limits

Suction lift up to 9m
Fluid temperature up to 60°C
Maximum ambient temperature 40°C

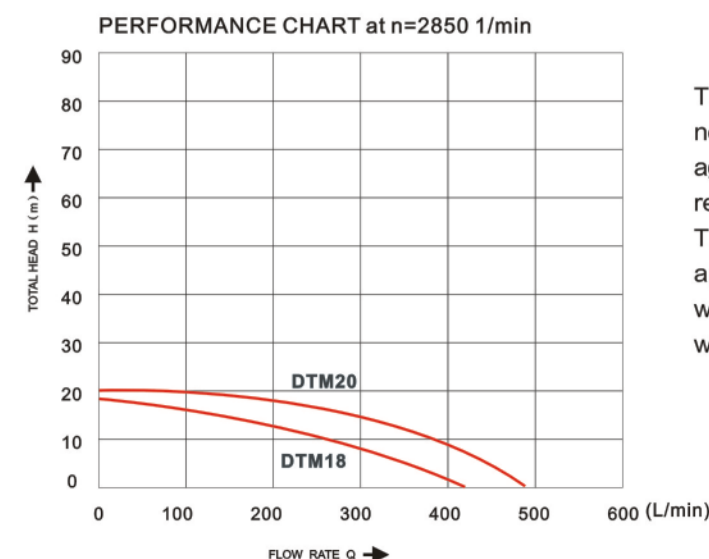
Standard data and equipment

Single phase 220V/50Hz.Brass impeller, carbon steel motor shaft, with thermal protector inside.
Other model and material such as three phase, 110V,60Hz, dual voltage, stainless shaft, etc, will be available upon request.



20ft container

Model	Power		Voltage (V)	Frequency (Hz)	Flow rate (m ³ /h)	Rated (m)	Size (inch)	Suction head (m)	Packing QTY
	kW	HP							
DTM18	1.1	1.5	220	50	25	18	2" x2"	9	1200
DTM20	1.5	2	220	50	28	20	2" x2"	9	1200



The pumps are suitable for handling clean water, that does not contain abrasive particles or fluids which are chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free. This series is commonly used in many domestic and civil applications. In particularly in automated distributions of water, from small to medium-sized surge tanks, transferring water, water gardens, etc.



The pumps are suitable for handling clean water, that does not contain abrasive particles or fluids which are chemically aggressive to the pump components. They are extremely reliable, simple to use, quiet and virtually maintenance-free. This series is commonly used in many domestic and civil applications. In particular in automated distributions of water, from small to medium-sized surge tanks, transferring water, water gardens, etc. These pumps should be installed in a covered area, protected against the weather. N.B. It is also being advised to install a foot valve or non-return valve on the suction opening.

Performance range

Flow rate up to 80L/min. (4.8m³/h)
Head up to 55m

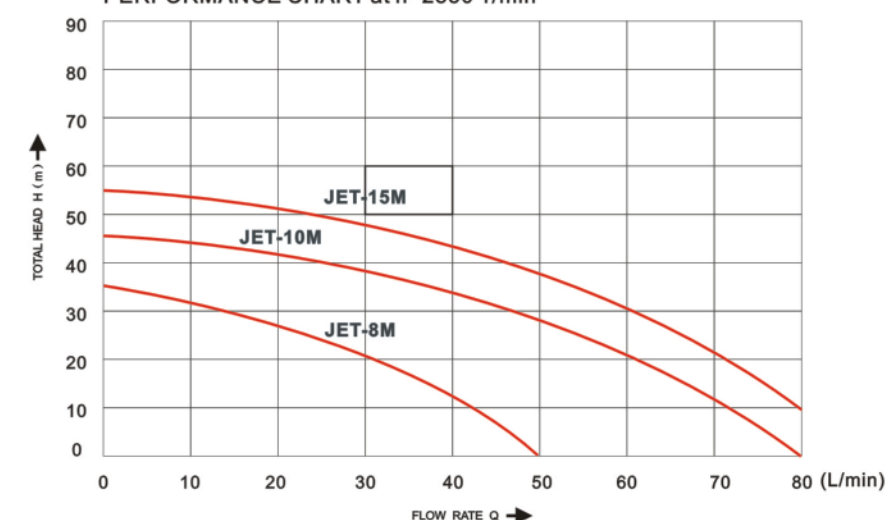
Operating limits

Suction lift up to 9m
Fluid temperature up to 60°C
Maximum ambient temperature 40°C

Standard data and equipment

Single phase 220V/50Hz. Brass impeller, carbon steel motor shaft, with thermal protector inside. Other model and material such as three phase, 110V, 60Hz, dual voltage, stainless shaft, etc, will be available upon request.

PERFORMANCE CHART at n=2850 1/min



Model specification

JET S 550
Specification code
Three-phase, (single-phase non-standard)
Self-priming pump

20ft container

Model	Power		Voltage (V)	Frequency (Hz)	Flow rate (m ³ /h)	Rated (m)	Size (inch)	Suction head (m)	Packing QTY
	kW	HP							
JET-8M	0.37	0.5	220	50	3	35	1" x1"	9	1800
JET-10M	0.75	1	220	50	4.8	46	1" x1"	9	1450
JET-15M	1.1	1.5	220	50	4.8	55	1" x1"	9	900

MINGYUAN

QDWF(J) SERIES

STAINLESS STEEL

HORIZONTAL MULTI-STAGE

CENTRIFUGAL PUMP



Application

The CHL and CMF type pumps are mainly used for family friendly central air conditioning circulation and industrial liquid transmission. Transmission examples are: Mineral water, small water supplies, purification systems such as light oil circulation and pressurization. Small central air conditioning circulation, cooling systems, industrial cleaning, water treatments (purification), aquaculture and measurement systems.

Main usage:

- Municipal projects, sewage projects, construction projects
- Transportation of sewage for uptown
- Transportation of factory or contaminated water
- Sewage transportation in hospitals, hotels and so on
- Systems solutions for municipal sewage, factories and concentrate engineering problems.

●Operation conditions.

Liquid temperature: Normal temperature type- 15 ° C --+700°C

Hot watertype-15 ° C--+110 ° C

Flow range 0.5~ 28m/h

Max pressure: 10 bar

Liquid pH range: pH5~9

Max ambient temperature: +40°C

The Max suction pressure is limited by max operating pressure

Min inlet pressure: Refer to CHL catalogue

Caution: When pumping liquids with a density and/or viscosity higher than that of water, use motors with correspondingly higer outputs, if required

Applications

Pumped liquids; Low viscosity, neutral, non-explosive liquids, not containing solid particles or fibres. The liquid must not attack the pump materials chemically. (Oil or the liquid mainly consisted of oil can bepumped by specialtype of pumps)

Circulation for air condition system

Cooling system

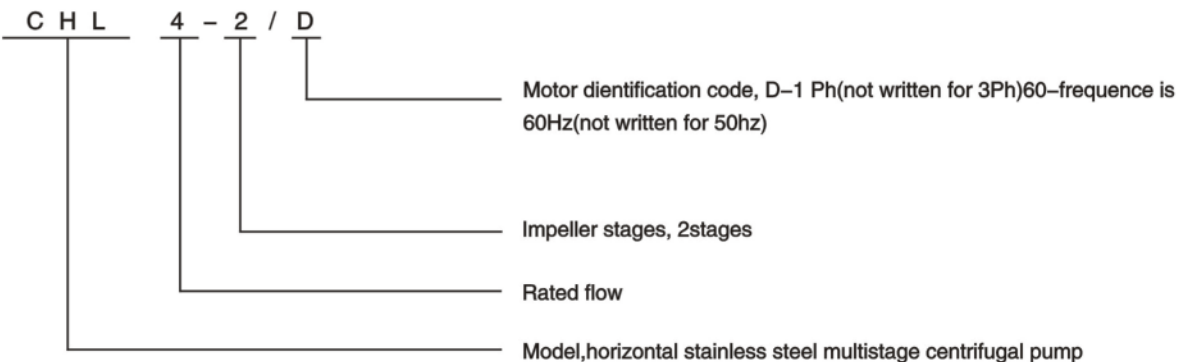
Water treatment, purification system

Industry cleaning system

Liquid transferring. circulation, boosting

Hot or cold water

Feed proportioning system of fod, drinking, agiculture,etc.



Major parameter

Model	Voltage (V)	Frequency (Hz)	Motor (kw)	Q (m³/h)	0.5	1.0	1.5	2	2.5	3	3.5
QDWF(J)2-20	220/380	50	0.37	H (m)	19	18	16	14	13	11	9
QDWF(J)2-30	220/380	50	0.37		28	27	24	21	20	17	14
QDWF(J)2-40	220/380	50	0.55		36	34	32	28	26	23	17
QDWF(J)2-50	220/380	50	0.55		46	43	40	35	33	28	22
QDWF(J)2-60	220/380	50	0.75		54	50	48	42	38	33	25

Model	Voltage (V)	Frequency (Hz)	Motor (kw)	Q (m³/h)	1	2	3	4	5	6	7
QDWF(J)4-20	220/380	50	0.37	H (m)	19	18	16	15	13	10	7
QDWF(J)4-30	220/380	50	0.55		28	27	24	22	19	15	10
QDWF(J)4-40	220/380	50	0.75		38	36	32	30	26	20	14

Model	Voltage (V)	Frequency (Hz)	Motor (kw)	Q (m³/h)	5	6	7	8	9	10	11
QDWF(J)8-20	220/380	50	0.75	H (m)	19	18.5	18	17	15	13	11
QDWF(J)8-30	220/380	50	1.1		29	28	27	25.5	22.5	20	17.5
QDWF(J)8-40	220/380	50	1.5		39	38	36	34	30	26.5	22.5
QDWF(J)8-50	220/380	50	2.2		49	47	45	42.5	38	33.5	28

Model	Voltage (V)	Frequency (Hz)	Motor (kw)	Q (m³/h)	8	10	12	14	16	18	20	22
QDWF(J)16-20	220/380	50	2.2	H (m)	25.5	24	23	22	21	19	17	14.5
QDWF(J)16-30	220/380	50	3		38.5	37	36	34	32	30	27	23

MINGYUAN

QDLF SERIES

STAINLESS STEEL.

HORIZONTAL MULTI-STAGE
CENTRIFUGAL PUMP



Application

QDLF is a multifunctional product. It can be used to convey various medium, from tap water to industrial liquid at different temperature with different flow rate and pressure. QDLF is suitable for slightly corrosive liquids.

Water supply: Water filter and transport in water constructions, boost of the main pipeline, boost for high-rise buildings.

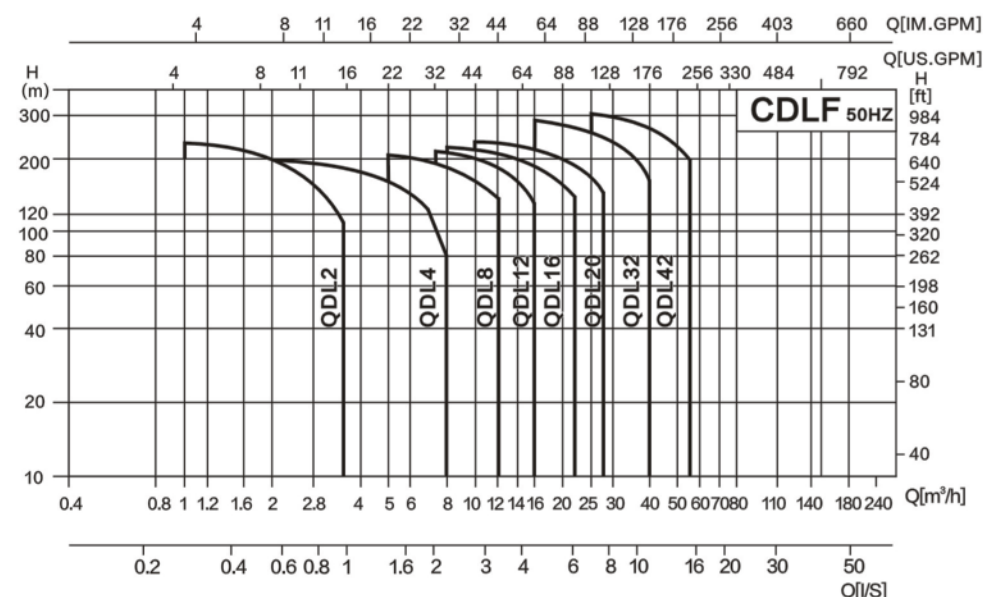
Industrial boosting: Process the water flow system, cleaning systems, high-pressure washing systems and fire fighting systems.

Industrial liquid conveying: Cooling and air-conditioning systems, water boiler supply and condensing systems, machine-associated purposes, acids and alkali.

Water systems: Ultra-filtration systems, reverse osmosis systems, distillation systems, separator and swimming pools.

Irrigation: Farmland migration, spray irrigation and dripping irrigation.

● Performancescope



● Productrange

Description	QDLF2	QDLF4	QDLF8	QDLF12	QDLF16	QDLF20	QDLF32	QDLF42
Rated flow[m³/h]	2	4	8	12	16	20	32	42
Rated flow[l/s]	0.56	1.1	2.2	3.3	4.4	5.6	8.9	11.7
Flow range[m³/h]	1-3.5	1.5-7	5-12	7-16	8-22	10-28	16-40	25-55
Flow range[l/s]	0.28-0.97	0.42-1.9	1.4-3.3	1.9-4.4	2.2-6.1	2.8-7.8	4.4-11.1	6.9-15.3
Max.pressure[bar]	23	21	21	22	22	23	29	30
Motor power[kW]	0.37-3	0.37-4	0.75-7.5	1.5-11	2.2-15	1.1-18.5	1.5-30	3.0-45
Temperature range[°C]	-15~+120							
Max. efficiency[%]	46	57	62	63	66	69	73	75
Type	CDLF							
CDLF Pipe connection	DIN Flange							
DIN Flange	DN25	DN32	DN40	DN50	DN50	DN50	DN65	DN80
Cutting ferrule joint	DN32	DN32	DN50	DN50	DN50	DN50		
Pipe thread	ZG1"	ZG1"	ZG2	ZG2	ZG2	ZG2		

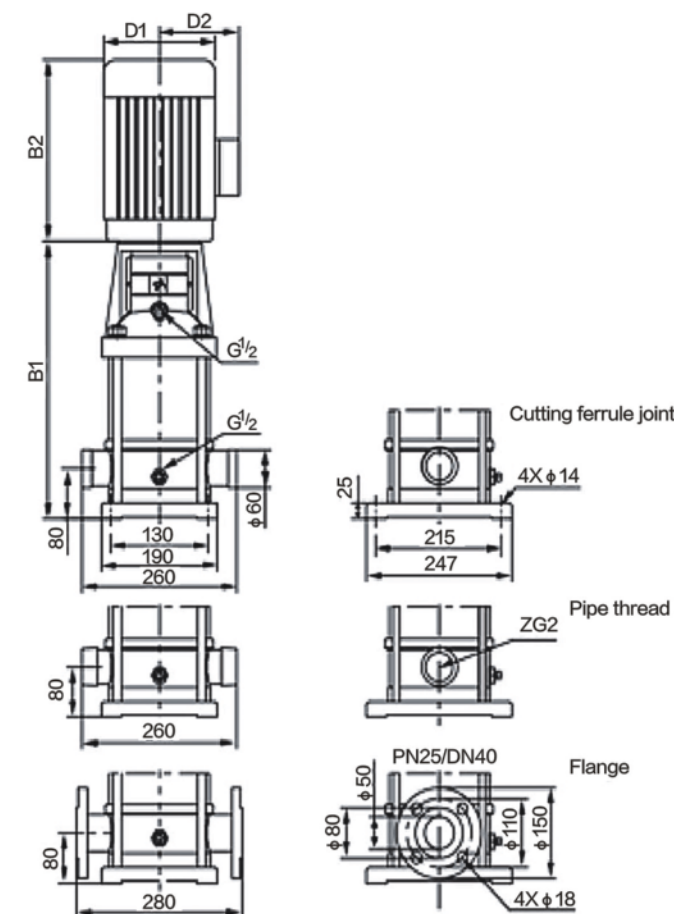
● Pump

QDLF is a kind of vertical non-selfpriming multistage centrifugal pump, which is driven by a standard electric motor. The motor output shaft directly connects with the pump shaft through a coupling. The pressure-resistant cylinder and flow passage components are fixed between pump head and inlet & outlet section with stay bolts. The inlet and outlet are located at the pump bottom at the same plane. This kind of pump can be equipped with an intelligent protector to effectively prevent it from dry-running, out-of-phase and overload.

● Motor

Full-enclosed air-blast two-pole standard motor
Protection class: IP55
Insulation class: F
Standard voltage: 50Hz: 1x220-230/240V
3x200-220/346-380V
3x220-240/380-415V
3x380-415V

● Installation sketch



● Size and weight

MODEL	Size(mm)					Weight (kg)
	B1	B2	B1+B2	D1	D2	
QDLF8-2	347	245	592	170	142	32
QDLF8-2	347	245	592	170	142	32
QDLF8-3	377	245	622	170	142	34
QDLF8-4	417	290	707	190	155	40
QDLF8-5	447	290	737	190	155	44
QDLF8-6	477	290	767	190	155	45
QDLF8-8	547	345	892	197	165	53
QDLF8-10	607	355	962	230	188	64
QDLF8-12	667	355	1022	230	188	66
QDLF8-14	747	390	1137	260	208	81
QDLF8-16	807	390	1197	260	208	84
QDLF8-18	867	390	1257	260	208	93
QDLF8-20	927	390	1317	260	208	94

The over all dimensions of the single-phase motor and explosion-proof motor are a little different, Pls contact us for details

Model	Voltage (V)	Frequency (Hz)	Motor (kw)	Q (m³/h)	1	1.2	1.6	2	2.4	2.8	3.2	3.5	Weight (kg)
QDLF2-20	220/380	50	0.37	H (m)	18	17	16	15	13	12	10	8	19
QDLF2-30	220/380	50	0.37		27	26	24	22	20	18	15	12	19
QDLF2-40	220/380	50	0.55		36	35	33	30	26	24	20	16	20
QDLF2-50	220/380	50	0.55		45	43	40	37	33	30	24	20	20
QDLF2-60	220/380	50	0.75		53	52	50	45	40	36	30	24	25
QDLF2-70	220/380	50	0.75		63	61	57	52	47	41	35	28	25
QDLF2-90	220/380	50	1.1		80	78	73	67	61	54	45	37	30
QDLF2-110	220/380	50	1.1		98	95	89	82	73	64	54	44	30
QDLF2-130	220/380	50	1.5		116	114	106	97	89	78	65	52	35
QDLF2-150	220/380	50	1.5		134	130	123	112	100	90	73	60	35
QDLF2-180	220/380	50	2.2		161	157	148	135	121	108	91	76	40
QDLF2-220	220/380	50	2.2		197	192	180	165	148	130	110	90	45
QDLF2-260	220/380	50	3		232	228	214	195	179	158	130	110	50

Major parameter

Model	Voltage (V)	Frequency (Hz)	Motor (kw)	Q (m³/h)	1.5	1.2	3	4	5	6	7	8	Weight (kg)
QDLF4-20	220/380	50	0.37	H (m)	19	18	17	16	13	10	8	6	19
QDLF4-30	220/380	50	0.55		28	27	26	24	20	18	13	10	20
QDLF4-40	220/380	50	0.75		38	36	34	32	27	24	19	13	20
QDLF4-50	220/380	50	1.1		47	45	43	40	34	31	23	17	25
QDLF4-60	220/380	50	1.1		56	54	52	48	41	37	28	20	25
QDLF4-70	220/380	50	1.5		66	63	61	56	48	43	33	24	30
QDLF4-80	220/380	50	1.5		74	72	70	64	55	50	38	27	30
QDLF4-100	220/380	50	2.2		96	90	87	80	71	62	48	34	30
QDLF4-120	220/380	50	2.2		114	108	104	96	85	75	58	41	35
QDLF4-140	220/380	50	3		136	126	122	112	101	89	68	48	35
QDLF4-160	220/380	50	3		152	144	140	128	115	101	78	55	40
QDLF4-190	220/380	50	4		183	171	168	152	137	122	93	67	45
QDLF4-220	220/380	50	4		211	200	192	176	160	138	108	79	50

Model	Voltage (V)	Frequency (Hz)	Motor (kw)	Q (m³/h)	5	6	7	8	9	10	11	12	Weight (kg)
QDLF8-20	220/380	50	0.75	H (m)	21	20	19	18	17	16	15	14	25
QDLF8-30	220/380	50	1.1		31	30	29	27	26	24	23	20	30
QDLF8-40	220/380	50	1.5		41	40	39	36	35	32	30	27	30
QDLF8-50	220/380	50	2.2		52	50	48	45	44	41	37	34	40
QDLF8-60	220/380	50	2.2		62	60	58	54	53	49	45	41	40
QDLF8-80	220/380	50	3		83	80	78	72	70	65	60	54	45
QDLF8-100	220/380	50	4		104	100	97	90	88	80	75	68	55
QDLF8-120	220/380	50	4		125	120	116	108	105	97	90	81	55
QDLF8-140	220/380	50	5.5		146	140	136	126	123	113	105	95	80
QDLF8-160	220/380	50	5.5		166	160	155	144	140	130	120	108	80
QDLF8-180	220/380	50	7.5		187	180	175	162	158	146	135	122	90
QDLF8-200	220/380	50	7.5		208	200	194	180	175	162	150	135	90

型号	Voltage (V)	Frequency (Hz)	配用电机 (kw)	Q (m³/h)	8	10	12	14	16	18	20	22	重量 (kg)
QDLF16-20	220/380	50	2.2	H (m)	28	27	26	25	22	21	19	17	40
QDLF16-30	220/380	50	3		42	41	39	37	34	32	29	26	50
QDLF16-40	220/380	50	4		56	54	52	50	46	44	38	34	55
QDLF16-50	220/380	50	5.5		69	68	65	62	57	54	48	43	70
QDLF16-60	220/380	50	5.5		83	81	78	75	69	64	58	52	75
QDLF16-70	220/380	50	7.5		97	95	92	87	80	75	68	61	80
QDLF16-80	220/380	50	7.5		111	108	105	100	92	86	77	70	80
QDLF16-100	220/380	50	11		139	136	131	125	115	108	97	87	140
QDLF16-120	220/380	50	11		167	163	157	150	138	129	116	105	145
QDLF16-140	220/380	50	15		194	190	184	175	161	151	136	122	160
QDLF16-160	220/380	50	15		222	217	210	200	184	173	155	140	165

Major parameter

Model	Voltage (V)	Frequency (Hz)	Motor (kw)	Q (m³/h)	14	16	18	20	22	24	26	28	30
QDLF20-10	220/380	50	1.1	H (m)	12.5	12	11	10	9	8	7	6	5.5
QDLF20-20	220/380	50	2.2		26	25	24	22	21	20	18	15	13
QDLF20-30	220/380	50	4		39	38	37	34	32	30	27	24	21
QDLF20-40	220/380	50	5.5		52	51	49	45	43	40	37	33	29
QDLF20-50	220/380	50	5.5		64	62	60	56	54	51	45	40	35
QDLF20-60	220/380	50	7.5		77	75	73	68	66	61	55	49	43
QDLF20-70	220/380	50	7.5		91	89	86	80	75	70	65	58	53
QDLF20-80	220/380	50	11		105	102	99	92	86	81	75	67	60
QDLF20-100	220/380	50	11		131	128	124	115	108	102	95	85	78
QDLF20-120	220/380	50	15		158	154	149	138	130	123	114	102	92
QDLF20-140	220/380	50	15		185	180	174	161	152	144	133	119	104
QDLF20-170	220/380	50	18.5		225	219	212	196	185	175	162	145	125

Model	Voltage (V)	Frequency (Hz)	Motor (kw)	Q (m³/h)	16	20	24	28	32	36	40
QDLF32-10	220/380	50	2.2	H (m)	18	17	15	14	13	11	8
QDLF32-20	220/380	50	4		36	34	32	29	27	23	18
QDLF32-30	220/380	50	5.5		54	51	48	44	39	35	27
QDLF32-40	220/380	50	7.5		72	68	65	59	53	47	37
QDLF32-50	220/380	50	11		90	86	81	74	67	59	47
QDLF32-60	220/380	50	11		108	102	97	90	81	72	57
QDLF32-70	220/380	50	15		126	120	113	105	95	84	67
QDLF32-80	220/380	50	15		144	137	129	120	109	97	76
QDLF32-90	220/380	50	18.5		162	154	146	136	123	109	86
QDLF32-100	220/380	50	18.5		180	171	162	151	137	121	96
QDLF32-110	220/380	50	22		198	188	178	166	151	134	105
QDLF32-120	220/380	50	30		216	205	194	182	165	146	115
QDLF32-130	220/380	50	30		234	222	211	197	179+	158	125
QDLF32-140	220/380	50	30		252	239	227	212	193	171	135
QDLF32-150	220/380	50	30		270	256	243	227	207	183	144

Model	Voltage (V)	Frequency (Hz)	Motor (kw)	Q (m³/h)	25	30	35	40	45	50	55
QDLF45-10	220/380	50	3	H (m)	24	23	22	20	19	18	16
QDLF45-20	220/380	50	7.5		48	46	44	42	39	35	31
QDLF45-30	220/380	50	11		71	69	66	63	58	53	47
QDLF45-40	220/380	50	15		95	92	88	84	77	71	62
QDLF45-50	220/380	50	18.5		118	115	110	105	97	89	78
QDLF45-60	220/380	50	22		142	138	132	125	116	107	93
QDLF45-70	220/380	50	30		165	161	154	146	135	125	109
QDLF45-80	220/380	50	30		189	184	176	167	154	143	124
QDLF45-90	220/380	50	37		212	207	198	188	174	161	140
QDLF45-100	220/380	50	37		236	230	220	209	193	179	155
QDLF45-110	220/380	50	45		259	253	242	230	212	197	171
QDLF45-120	220/380	50	45		283	276	264	251	232	215	186

Note:



Intelligent controller
(single phase)



Intelligent controller
(three phase)



Impeller, diffuser,
vortex casing



Impeller, diffuser,
vortex casing



Single phase
capacitance controller