



WQ,JYWQ,WQF, WQ-F,WQAS,WQ-A

**Submersible sewage pump
50Hz**



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subject to amendments



● WQ, JYWQ Summary

- WQ, JYWQ improve the same type pumps of the local and overseas. It optimizes the hydraulic, seal technology, structure, protection. And it innovates, makes it more reliable and safe. Easy to use, long service, good drainage capacity. The whole series is easy for selection. If fit with electronic control cabinet, which will protect pump.
- Optimize performance, two channel impeller, two to three mechanical seal, make mechanical seal lubricate, and cool better, run stable without clogging, easy to pass for pumped liquid.
- Mechanical seal is in serial, the shaft seal is more reliable, long service.
- The improve the structure is benefit for seal, running reliable, less vibration, optimized structure, pump is easy for usage.
- IPX8 motor, good cooling motor, temperature increase is lower than normal motor, durable, Class F insulation, long service of motor.
- There are many protections in the motor, easy for user selection.

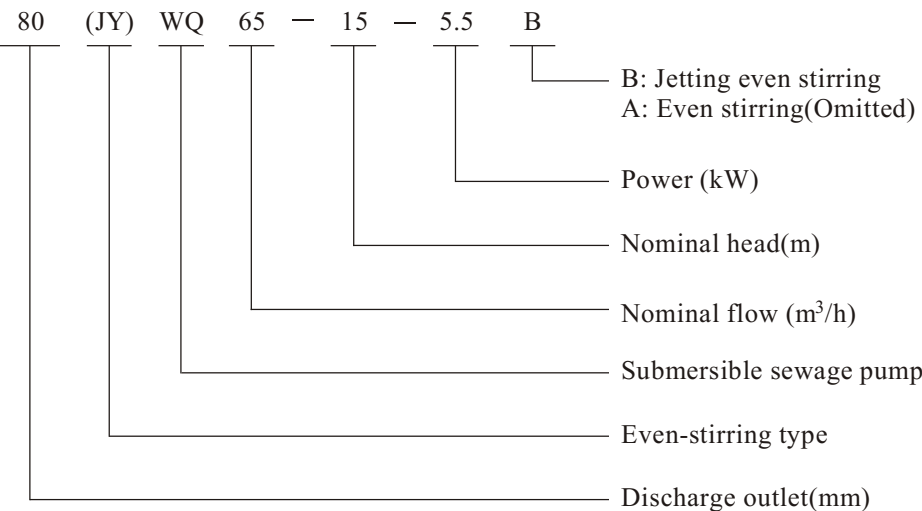
● Application

- Building, hospital, residential area, municipal projects, roads, factory sewage, small sewage treatment, etc. The pumped liquid is rain water, waste water with solid, long fabrics

● Working conditions

- Power supply: 50Hz, 3PH, 380V
- Liquid temperature shall less than 40 degree centigrade, Ph value is between 4 and 10. Density shall less than 1200kg/m³, solid and liquid ratio shall less than 2%
- The lowest liquid level shall in conform to the lowest liquid in the size dimension
- The pump is not suitable for strong corrosive liquid or solid.
- The solid shall not exceed the max. allowed solid diameter.

● Definition of model

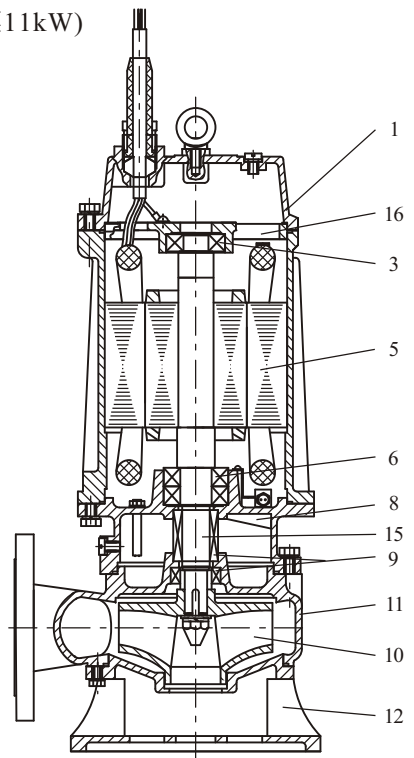


● Structure

- Impeller: After optimized design, it can pump liquid with best flow and speed and efficient. Performance curve is flat, not easy to overload. There is less vibration of impeller, rotate stably.
- Motor: Specially designed submersible motor, the protection level is IPX8, Insulation class: F, cooling performance is good, long service.
- Motor cooling: The motor heat is cooled by motor shell. As long as the liquid is over half of the shell within motor stationary part, it can run safely.
- Mechanical seal: Two or three sets of mechanical seal work in series. One seal separates liquid from the oil chamber. Another seal separates oil from the motor.
- Oil chamber: There is suitable oil in the oil chamber, there are two mechanical seals, oil chamber is separate liquid from the motor. Prevent liquid from going into the motor. If the first mechanical seal is leaked, there is oil in the oil chamber to prevent liquid from going into the motor. And the two separate mechanical seals can be lubricated and cooled, it makes mechanical seal work stably. And, it will take away part of the heat caused by bottom bearing.
- Bearing: The bottom bearing sets form the stable support for shaft. According to the radial force, axial force and the load, the bottom bearing can be formed with two or three kinds of different bearings, to ensure pump work stable and service long life.
- Cable and mechanical seal:
 1. The cable is soft rubber cable which can resist sewage. It is designed according to ambient temperature 40 degree centigrade and motor full load working conditions. When pump is working, keep motor working at not full load or ambient temperature below 40 degree, pumps can work longer.
 2. There is seal between cable rubber cover and motor, it presses them to prevent medium leak to motor cabinet.
 3. Cable slot and cables are rubber vulcanization, one rubber cover is broken, it can prevent medium leak to motor cabinet also.
- Motor shell: Base, bearing seat, motor cover composed the motor shell. There is seal at the part joint. Every pump is water pressure tested to ensure the seal.
- Safe protection in pump (Earthed professional power supply controlled cabinet):
 1. Oil water detector, it is installed in the oil chamber, check the leakage of the first mechanical seal (in the medium), when the medium leaked to oil chamber to some amount, it will alarm.
 2. Water in detector: It is installed in the motor shell, detect the second mechanical seal leak, when oil or oil water mixture goes into the motor, water in detector will alarm and stop pump.
 3. Thermal part: It is installed in the windings of motor, if motor overload for long time, the temperature of windings will increase (or other reason cause temperature rise) to some amount, it will alarm and stop pump.
- Outer control system: The user shall use the professional control cabinet to control and protect pump.
- Special hand lift for easy movement. It is prohibited to pump/move pump by the cable, it will loose the seal between cable and motor cover, then motor will leak. Fix cable on the hand lift also not prohibited to move pump with cable.
- Performance curve and main technical data: The performance curve shows the suggested pump running scope. When the medium changed, be noted that run pump in the shaft power and motor power, when found overload, motor will burn.

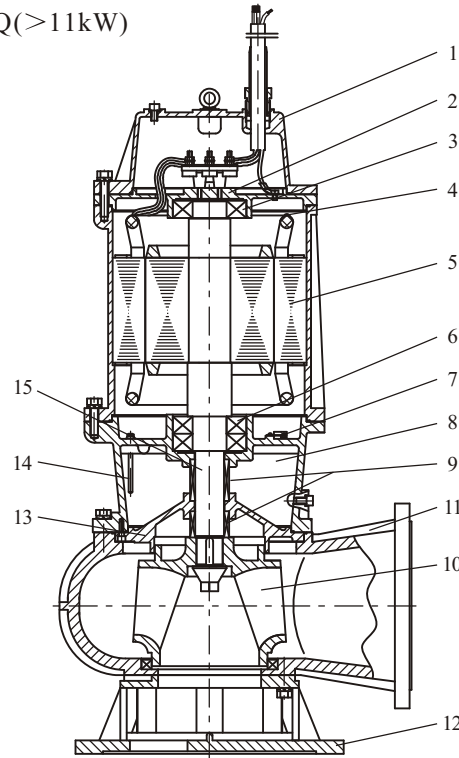
● WQ, JYWQ Summary

WQ(≤11kW)



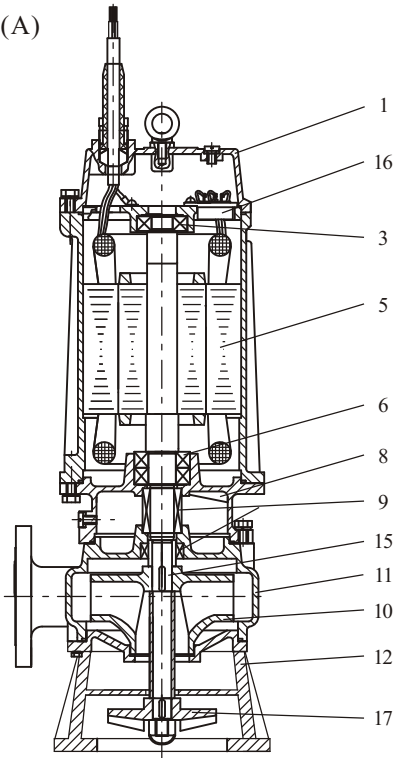
No.	Name	Material
1	Pump cover	Cast iron HT200
3	Bearing	
5	Motor	
6	Bearing	
8	Oil chamber	Cast iron HT200
9	Mechanical seal	Sic/Tungsten Carbide
10	Impeller	Cast iron HT200
11	Casing	Cast iron HT200
12	Base	Cast iron HT200
15	Shaft	Stainless steel2Cr13
16	Thermal protector	

WQ(>11kW)



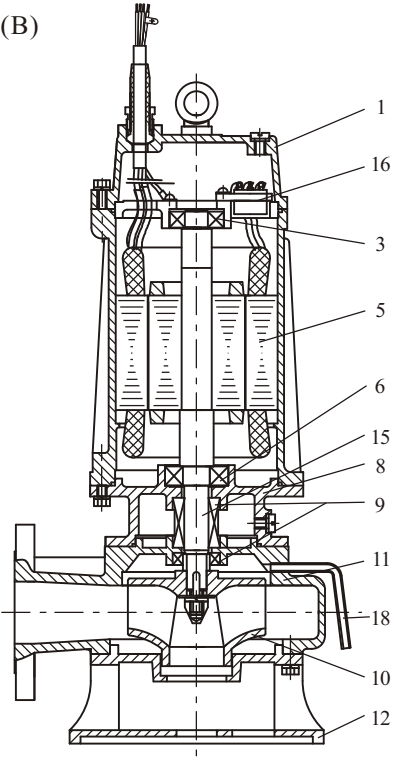
No.	Name	Material
1	Pump cover	Cast iron HT200
2	Upper bearing seat	Cast iron HT200
3	Bearing	
4	Heat control switch	
5	Motor	
6	Bearing	
7	Water in detector	
8	Oil chamber	Cast iron HT200
9	Mechanical seal	Sic/Tungsten Carbide
10	Impeller	Cast iron HT200
11	Casing	Cast iron HT200
12	Base	Cast iron HT200
13	Oil chamber cover	Stainless steel
14	Oil water detector	
15	Shaft	Stainless steel2Cr13

JYWQ(A)



No.	Name	Material
1	Pump cover	Cast iron HT200
3	Bearing	
5	Motor	
6	Bearing	
8	Oil chamber	Cast iron HT200
9	Mechanical seal	Sic/Tungsten Carbide
10	Impeller	Cast iron HT200
11	Casing	Cast iron HT200
12	Base	Cast iron HT200
15	Shaft	Stainless steel2Cr13
16	Thermal protector	
17	Stir impeller	Cast iron HT200

JYWQ(B)

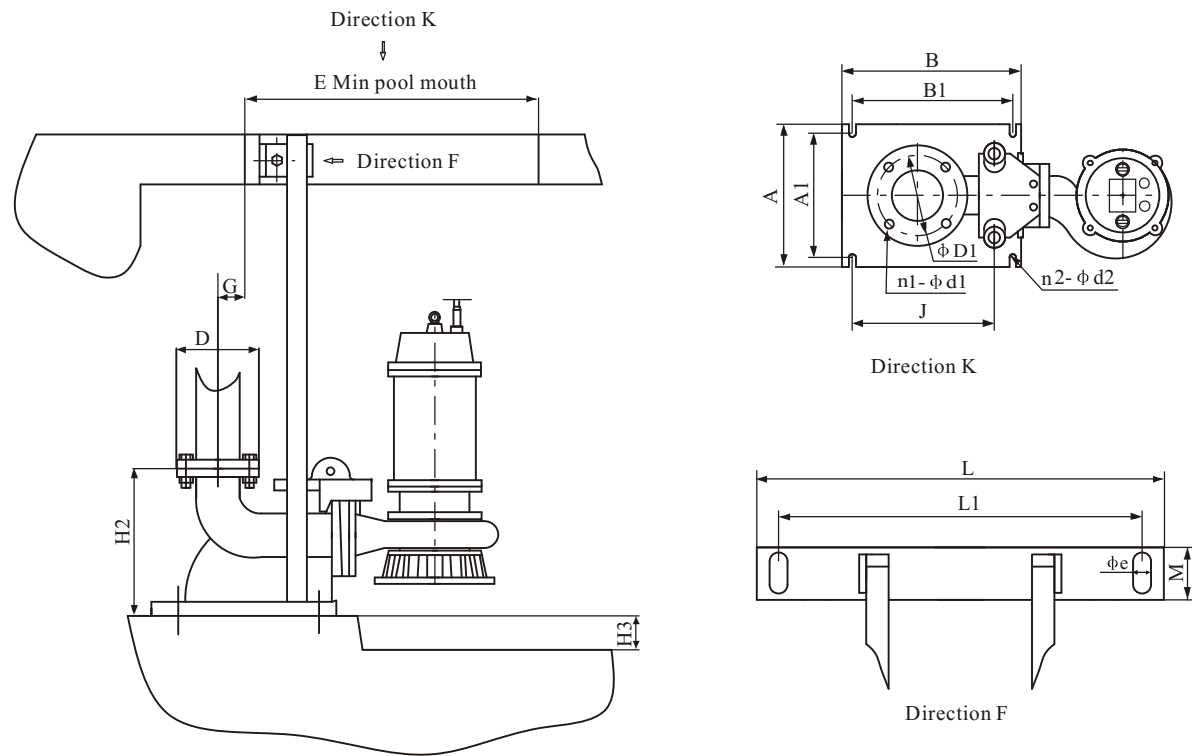


No.	Name	Material
1	Pump cover	Cast iron HT200
3	Bearing	
5	Motor	
6	Bearing	
8	Oil chamber	Cast iron HT200
9	Mechanical seal	Sic/Tungsten Carbide
10	Impeller	Cast iron HT200
11	Casing	Cast iron HT200
12	Base	Cast iron HT200
15	Shaft	Stainless steel2Cr13
16	Thermal protector	
18	Stir impeller	Ejecting pipe

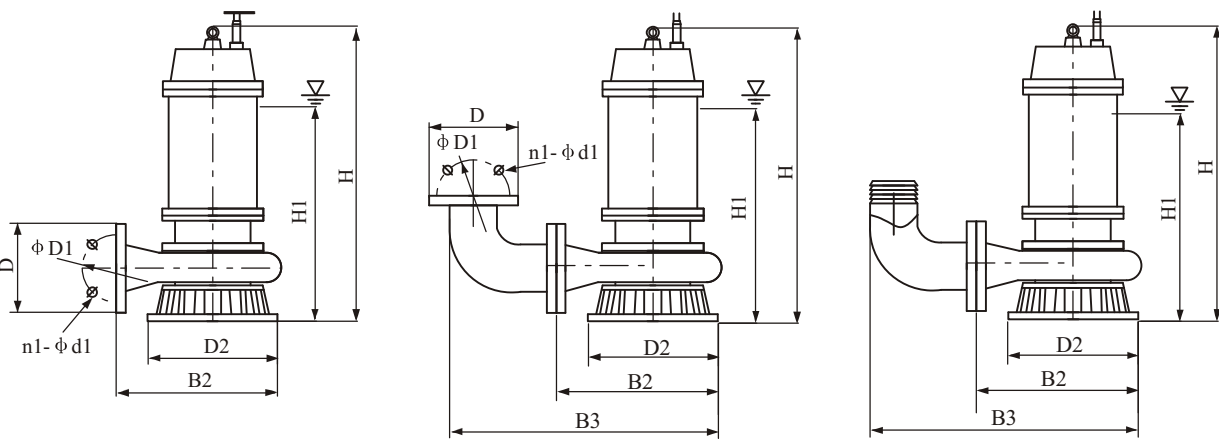
● Installation type

For WQ, JYWQ pumps, there is auto coupling device installation (Z), hard pipe movable installation (Y), soft pipe movable installation (R)

Fixed auto coupling device installation



Movable installation



Hard pipe movable installation

Hard pipe movable installation with flange joint

Soft pipe movable installation

● Coupling device dimensions(Same for WQF,WQAS)

No.	Model	Flange connection size PN6 (mm)			Coupling base dimensions (mm)					G	H2	H3	L	L1	m	Φe	E
		D	D1	n1-Φd1	A	A1	B	B1	n2-Φd2								
1	50(JY)WQ	140	110	4-Φ14	197	168	285	206	4-Φ16	90	250	160	265	220	50	13	550×550
2	65(JY)WQ	160	130	4-Φ14	238	200	320	240	4-Φ16	130	265	165	280	235	50	13	650×600
3	80(JY)WQ	190	150	4-Φ18	278	238	354	260	4-Φ18	165	285	165	315	260	50	13	650×600
4	100(JY)WQ	210	170	4-Φ18	320	260	375	300	4-Φ18	175	305	185	410	315	60	15	750×650
5	150(JY)WQ	265	225	8-Φ18	400	300	410	350	4-Φ18	190	480	200	410	260	60	15	1000×800
6	200(JY)WQ	320	280	8-Φ18	400	300	450	350	4-Φ18	230	550	200	410	260	60	15	1300×900
7	250(JY)WQ	375	335	12-Φ18	460	360	560	430	4-Φ24	230	630	200	410	260	60	15	1600×1300
8	300(JY)WQ	440	395	12-Φ22	600	540	600	540	4-Φ24	375	650	250	700	615	150	20	1600×1300
9	350(JY)WQ	490	445	12-Φ22	600	540	600	540	4-Φ24	390	700	250	700	615	150	24	1600×1300

● Dimensions

Measure: mm (except inch)

Diameter Item	50	65	80	100	150	200	250	300	350
Guide rod Tap pipe/ Steel pipe	1 " /32×3.5		1.5 " /48×3.5					2 " /60×5	
Guide rod length	Pool depth – 30				Pool depth – 390	Pool depth – 440	Pool depth – 450	Pool depth – 480	
Quantity of expansion bolt and specification	2-M12×150			3-M12×150				3-M16×150	
Quantity of bolt and specification	4-M16×250					4-M20×300			
footer bolt hole size	80×80×300					100×100×350			
Dia. of rubber pipe	2 " /50	2.5" /65	3 " /76	4 " /100	6" /150	8" /200	10" /250	12" /300	14" /350

● Technical data and dimensions

Model	Q	H	Speed	Power	Current	Max. dia. of passing solid	Dimensions(mm)											Weight
	(m³/h)	(m)	(rpm)	(kW)	(A)	(mm)	H	H*	H1	H1*	B3	B2	D2	d	D	D1	n1- φ d1	
40(JY)WQ10-10-0.75	10	10	2860	0.75	2.0	20	350	400	300	350	320	230	190	40	130	100	4- φ 14	20
40(JY)WQ8-15-1.1	8	15	2860	1.1	2.8	20	350	400	300	350	320	230	190	40	130	100	4- φ 14	20
40(JY)WQ12-15-1.5	12	15	2860	1.5	4.0	20	540	590	490	540	330	240	190	40	130	100	4- φ 14	28
50(JY)WQ10-10-0.75	10	10	2860	0.75	2.0	20	500	550	450	500	320	230	190	50	140	110	4- φ 14	20
50(JY)WQ15-8-1.1	15	8	2860	1.1	2.8	20	500	550	450	500	320	230	190	50	140	110	4- φ 14	20
50(JY)WQ8-15-1.1	8	15	2860	1.1	2.8	20	500	550	450	500	320	230	190	50	140	110	4- φ 14	20
50(JY)WQ15-10-1.5	15	10	2860	1.5	4.0	20	500	550	450	500	330	240	200	50	140	110	4- φ 14	28
50(JY)WQ10-15-1.5	10	15	2860	1.5	4.0	20	500	550	450	500	330	240	200	50	140	110	4- φ 14	28
50(JY)WQ15-15-2.2	15	15	2860	2.2	6.0	20	540	590	490	540	340	250	200	50	140	110	4- φ 14	35
50(JY)WQ25-10-2.2	25	10	2860	2.2	6.0	25	540	590	490	540	340	250	200	50	140	110	4- φ 14	35
50(JY)WQ9-22-2.2	9	22	2860	2.2	6.0	20	540	590	490	540	340	250	200	50	140	110	4- φ 14	35
50(JY)WQ20-18-2.2	20	18	2860	2.2	6.0	25	540	590	490	540	340	250	200	50	140	110	4- φ 14	35
50(JY)WQ15-20-2.2	15	20	2860	2.2	6.0	20	540	590	490	540	340	250	200	50	140	110	4- φ 14	35
50(JY)WQ20-25-3	20	25	2860	3	6.5	25	580	640	530	590	350	260	210	50	140	110	4- φ 14	40
50(JY)WQ15-30-3	15	30	2860	3	6.5	20	580	640	530	590	350	260	210	50	140	110	4- φ 14	40
50(JY)WQ15-35-4	15	35	2860	4	8.4	20	650	710	600	660	360	270	250	50	140	110	4- φ 14	45
50(JY)WQ15-40-5.5	15	40	2860	5.5	12.0	20	680	740	630	690	390	300	250	50	140	110	4- φ 14	60
50(JY)WQ20-30-5.5	20	30	2860	5.5	12.0	25	680	740	630	690	390	300	250	50	140	110	4- φ 14	60
50(JY)WQ20-40-7.5	20	40	2860	7.5	16.8	25	680	740	630	690	370	280	250	50	140	110	4- φ 14	95
50(JY)WQ25-35-7.5	25	35	2860	7.5	16.8	25	680	740	630	690	370	280	250	50	140	110	4- φ 14	95
65(JY)WQ25-7-1.5	25	7	2860	1.5	4.0	25	550	600	450	500	330	230	200	65	160	130	4- φ 14	28
65(JY)WQ35-7-2.2	35	7	2860	2.2	6.0	25	550	600	500	550	350	250	230	65	160	130	4- φ 14	45
65(JY)WQ25-10-2.2	25	10	2860	2.2	6.0	25	550	600	500	550	350	250	200	65	160	130	4- φ 14	35
65(JY)WQ25-15-3	25	15	2860	3	6.5	25	620	670	570	620	350	250	200	65	160	130	4- φ 14	40
65(JY)WQ37-13-3	37	13	2860	3	6.5	25	620	670	570	620	350	250	200	65	160	130	4- φ 14	40
65(JY)WQ40-10-3	40	10	2860	3	6.5	25	620	670	570	620	350	250	200	65	160	130	4- φ 14	40
65(JY)WQ20-25-4	20	25	2860	4	8.4	25	650	700	600	650	370	270	240	65	160	130	4- φ 14	50
65(JY)WQ30-30-5.5	30	30	2860	5.5	12.0	25	710	770	660	720	370	270	250	65	160	130	4- φ 14	65
65(JY)WQ20-40-7.5	20	40	2860	7.5	16.8	25	800	860	760	820	450	350	250	65	160	130	4- φ 14	95
65(JY)WQ20-60-11	20	60	2860	11	23.6	25	1000	1060	950	1010	630	530	270	65	160	130	4- φ 14	135
80(JY)WQ45-9-2.2	45	9	2860	2.2	6.0	30	550	600	500	550	380	270	230	76	190	150	4- φ 18	45
80(JY)WQ40-12-3	40	12	2860	3	6.5	30	620	680	570	630	380	270	230	76	190	150	4- φ 18	50
80(JY)WQ40-15-4	40	15	2860	4	8.4	30	680	740	630	690	450	340	230	76	190	150	4- φ 18	60
80(JY)WQ50-10-4	50	10	2860	4	8.4	30	680	740	630	690	450	340	230	76	190	150	4- φ 18	60
80(JY)WQ65-15-5.5	65	15	2860	5.5	12.0	30	730	790	680	740	440	330	250	76	190	150	4- φ 18	65
80(JY)WQ40-22-5.5	40	22	2860	5.5	12.0	30	820	880	770	830	460	350	250	76	190	150	4- φ 18	65
80(JY)WQ40-30-7.5	40	30	2860	7.5	16.8	30	820	880	770	830	460	350	360	76	190	150	4- φ 18	95

Remark: H*、H1* is the size of JYWQ

● Technical data and dimensions

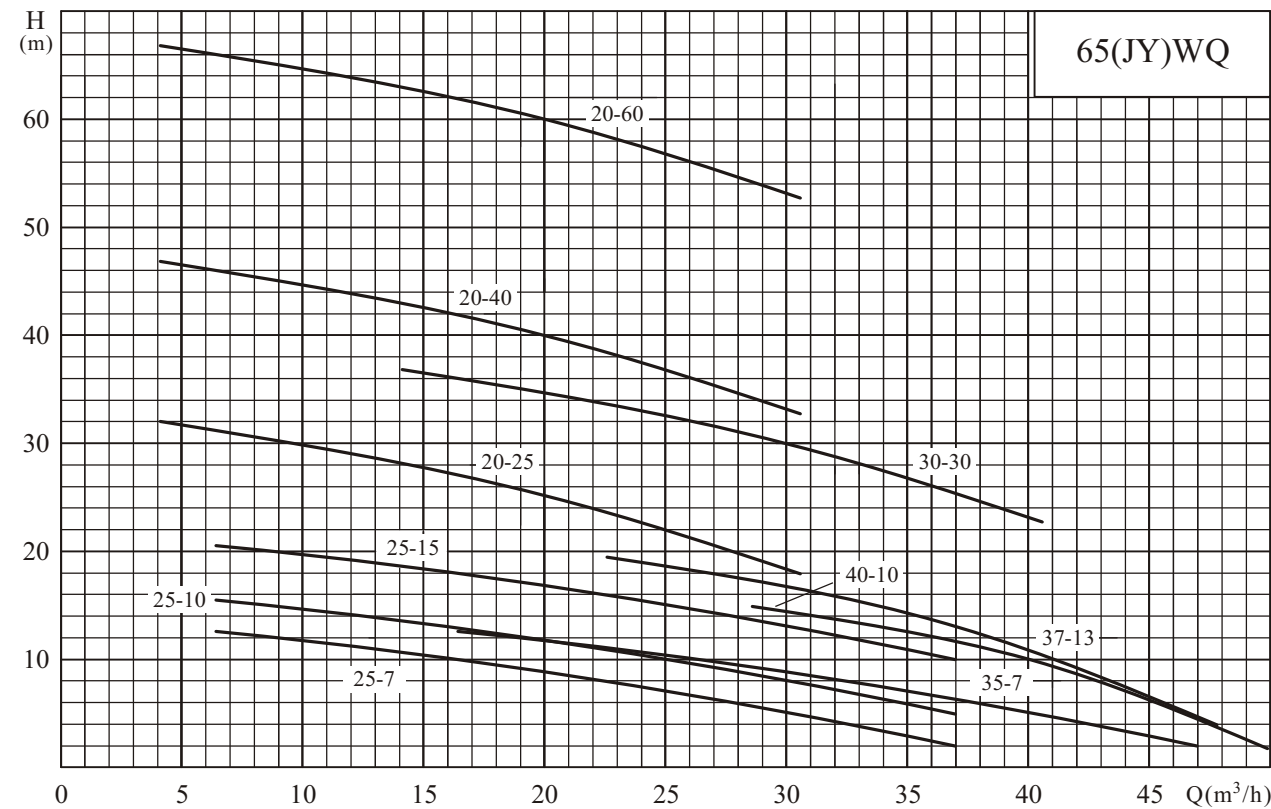
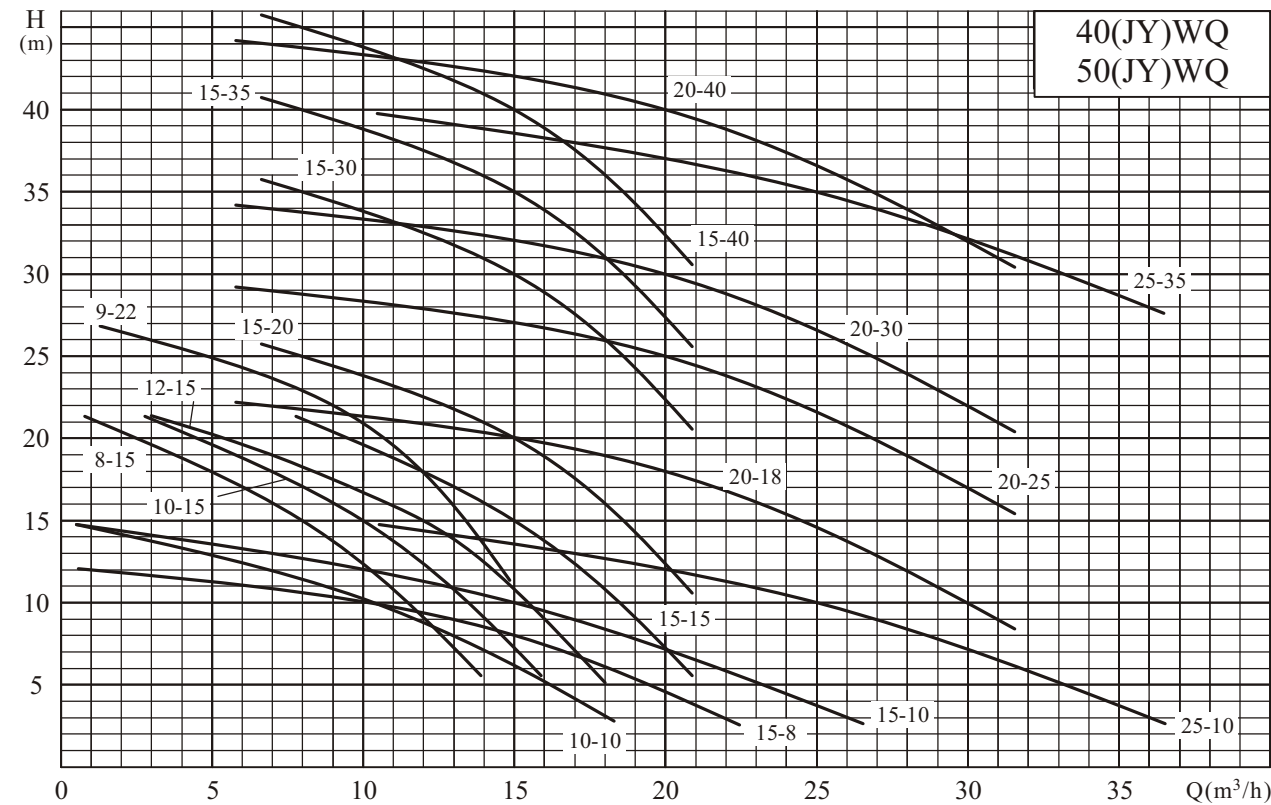
Model	Q	H	Speed	Power	Current	Max. dia. of passing solid	Dimensions(mm)											Weight
	(m³/h)	(m)	(rpm)	(kW)	(A)	(mm)	H	H*	H1	H1*	B3	B2	D2	d	D	D1	n1- φ d1	
80(JY)WQ40-45-11	40	45	2860	11	23.6	30	850	910	780	840	500	390	360	76	190	150	4- φ 18	135
100(JY)WQ40-8-2.2	40	8	2860	2.2	6.0	30	550	600	500	550	430	270	230	100	210	170	4- φ 18	45
100(JY)WQ50-7-2.2	50	7	2860	2.2	6.0	30	550	600	500	550	430	270	230	100	210	170	4- φ 18	45
100(JY)WQ60-9-3	60	9	2860	3	6.5	30	600	660	550	610	430	270	230	100	210	170	4- φ 18	50
100(JY)WQ65-10-4	65	10	2860	4	8.4	30	680	740	630	690	480	320	230	100	210	170	4- φ 18	60
100(JY)WQ65-15-5.5	65	15	2860	5.5	12.0	30	730	790	680	740	480	320	250	100	210	170	4- φ 18	65
100(JY)WQ65-20-7.5	65	20	2860	7.5	16.8	30	850	910	800	860	480	320	360	100	210	170	4- φ 18	95
100(JY)WQ80-25-11	80	25	1450	11	23.6	35	1000		950		710	550	420	100	210	170	4- φ 18	210
100(JY)WQ80-30-15	80	30	1450	15	32.0	35	1020		920		710	550	420	100	210	170	4- φ 18	200
100(JY)WQ80-35-18.5	80	35	1450	18.5	37.0	35	1060		950		710	550	420	100	210	170	4- φ 18	285
100(JY)WQ45-22-7.5	45	22	2860	7.5	16.8	30	800	860	750	810	480	320	360	100	210	170	4- φ 18	95
100(JY)WQ100-6-4	100	6	2860	4	8.4	35	680	740	630	690	470	310	230	100	210	170	4- φ 18	60
100(JY)WQ100-10-5.5	100	10	2860	5.5	12.0	35	730	790	680	740	480	320	250	100	210	170	4- φ 18	65
100(JY)WQ100-15-7.5	100	15	2860	7.5	16.8	35	800	860	750	810	480	320	360	100	210	170	4- φ 18	95
100(JY)WQ80-15-7.5	80	15	2860	7.5	16.8	35	800	860	750	810	480	320	360	100	210	170	4- φ 18	95
100(JY)WQ100-25-11	100	25	1450	11	23.6	35	940		900		710	550	420	100	210	170	4- φ 18	210
100(JY)WQ100-30-15	100	30	1450	15	32.0	35	970		920		710	550	420	100	210	170	4- φ 18	200
100(JY)WQ100-35-18.5	100	35	1450	18.5	37.0	35	990		950		710	550	420	100	210	170	4- φ 18	285
150(JY)WQ100-7-5.5	100	7	2860	5.5	12.0	35	800	860	750	810	550	350	250	150	265	225	8- φ 18	65
150(JY)WQ145-9-7.5	145	9	2860	7.5	16.8	45	800	860	750	810	550	350	360	150	265	225	8- φ 18	95
150(JY)WQ100-10-7.5	100	10	2860	7.5	16.8	35	800	860	750	810	550	350	360	150	265	225	8- φ 18	95
150(JY)WQ150-12-11	150	12	1450	11	23.6	45	1050		1000		820	620	420	150	265	225	8- φ 18	210
150(JY)WQ180-15-15	180	15	1450	15	32.0	45	1050		1000		820	620	420	150	265	225	8- φ 18	200
150(JY)WQ180-20-18.5	180	20	1450	18.5	37.0	45	1080		1030		820	620	420	150	265	225	8- φ 18	290
150(JY)WQ150-24-18.5	150	24	1450	18.5	37.0	45	1080		1030		820	620	420	150	265	225	8- φ 18	290
150(JY)WQ180-25-22	180	25	1450	22	45.0	45	1080		1030		820	620	420	150	265	225	8- φ 18	315
150(JY)WQ200-10-15	200	10	1450	15	32.0	45	1050		1000		820	620	420	150	265	225	8- φ 18	200
150(JY)WQ200-15-18.5	200	15	1450	18.5	37.0	45	1080		1030		820	620	420	150	265	225	8- φ 18	285
150(JY)WQ200-20-22	200	20	1450	22	45.0	45	1080		1030		820	620	420	150	265	225	8- φ 18	315
150(JY)WQ200-25-30	200	25	1450	30	60.0	45	1240		980		850	650	470	150	265	225	8- φ 18	450
150(JY)WQ200-30-37	200	30	1450	37	75.0	45	1240		980		850	650	470	150	265	225	8- φ 18	650
150(JY)WQ150-35-37	150	35	1450	37	75.0	40	1240		980		850	650	470	150	265	225	8- φ 18	650
150(JY)WQ180-40-45	180	40	1450	45	90.0	40	1290		1030		850	650	470	150	265	225	8- φ 18	850
200(JY)WQ300-7-11	300	7	1450	11	23.6	50	1120		1070		890	610	420	200	320	280	8- φ 18	216
200(JY)WQ300-8-15	300	8	1450	15	32.0	50	1060		900		890	610	420	200	320	280	8- φ 18	248
200(JY)WQ250-11-15	250	11	1450	15	32.0	50	1120		1070		890	610	420	200	320	280	8- φ 18	248
200(JY)WQ250-15-18.5	250	15	1450	18.5	37.0	50	1020		800		890	610	420	200	320	280	8- φ 18	285

● Technical data and dimensions

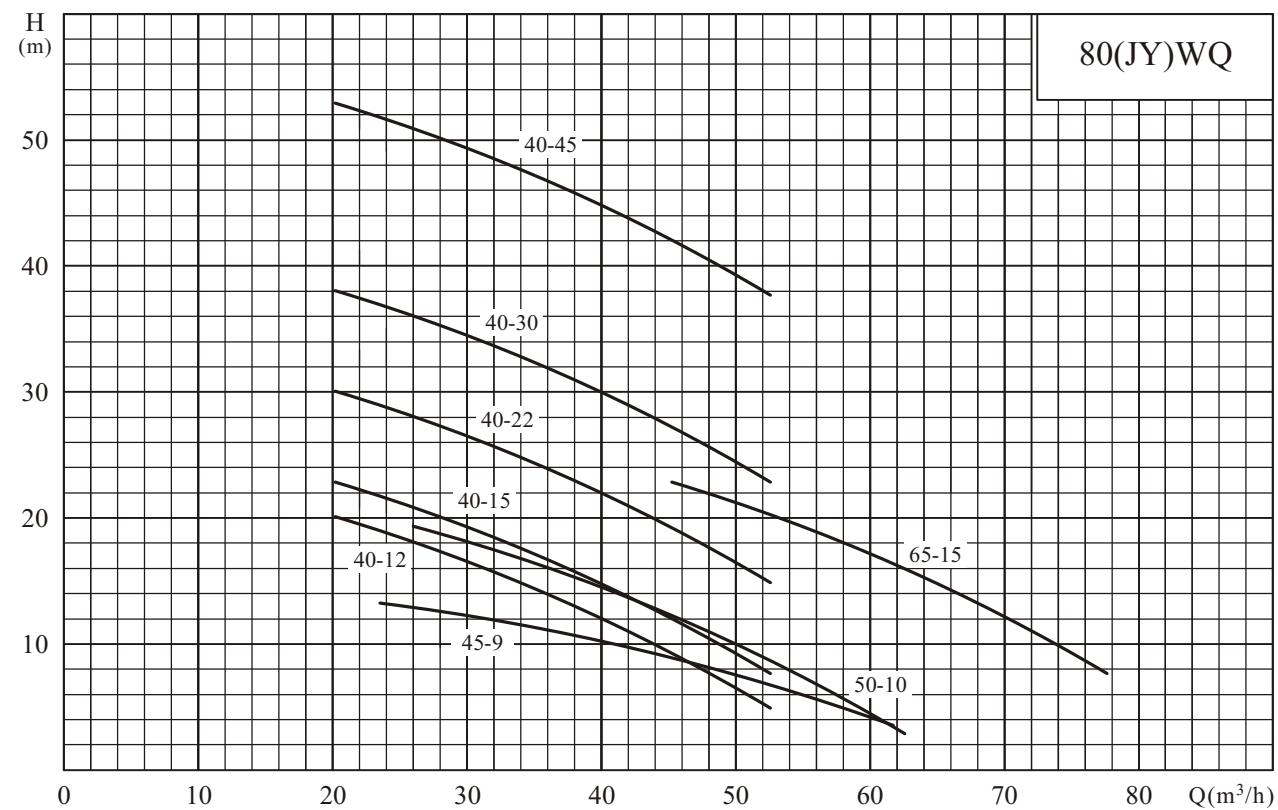
Model	Q	H	Speed	Power	Current	Max. dia. of passing solid	Dimensions(mm)											Weight (kg)
	(m³/h)	(m)	(rpm)	(kW)	(A)	(mm)	H	H*	H1	H1*	B3	B2	D2	d	D	D1	n1- φ d1	
200(JY)WQ300-9-18.5	300	9	1450	18.5	37.0	50	1020		800		890	610	420	200	320	280	8- φ 18	285
200(JY)WQ400-10-22	400	10	1450	22	45.0	50	1070		850		890	610	420	200	320	280	8- φ 18	315
200(JY)WQ300-15-22	300	15	1450	22	45.0	50	1070		850		890	610	420	200	320	280	8- φ 18	315
200(JY)WQ250-22-30	250	22	1450	30	60.0	50	1240		980		900	620	470	200	320	280	8- φ 18	450
200(JY)WQ360-15-30	360	15	1450	30	60.0	50	1240		980		900	620	470	200	320	280	8- φ 18	450
200(JY)WQ400-13-30	400	13	1450	30	60.0	50	1240		980		900	620	470	200	320	280	8- φ 18	450
200(JY)WQ300-20-37	300	20	1450	37	75.0	50	1240		980		900	620	470	200	320	280	8- φ 18	650
200(JY)WQ350-25-37	350	25	1450	37	75.0	50	1240		980		900	620	470	200	320	280	8- φ 18	650
200(JY)WQ400-18-37	400	18	1450	37	75.0	50	1240		980		900	620	470	200	320	280	8- φ 18	650
200(JY)WQ250-35-45	250	35	1450	45	90.0	45	1290		1030		900	620	470	200	320	280	8- φ 18	850
200(JY)WQ400-25-45	400	25	1450	45	90.0	50	1290		1030		900	620	470	200	320	280	8- φ 18	850
200(JY)WQ250-40-55	250	40	1450	55	110.0	45	1450		1050		1050	770	560	200	320	280	8- φ 18	1000
200(JY)WQ400-30-55	400	30	1450	55	110.0	45	1450		1050		1050	770	560	200	320	280	8- φ 18	1000
200(JY)WQ350-40-75	350	40	1450	75	150.0	45	1520		1120		1050	770	560	200	320	280	8- φ 18	1200
250(JY)WQ600-9-30	600	9	1450	30	60.0	55	1300		1050		980	640	470	250	375	335	12- φ 18	450
250(JY)WQ600-12-37	600	12	1450	37	75.0	55	1300		1050		980	640	470	250	375	335	12- φ 18	650
250(JY)WQ800-12-45	800	12	1450	45	90.0	60	1350		1100		980	640	470	250	375	335	12- φ 18	850
250(JY)WQ600-15-45	600	15	1450	45	90.0	55	1350		1100		980	640	470	250	375	335	12- φ 18	850
250(JY)WQ600-20-55	600	20	1450	55	110.0	55	1450		1050		1210	870	560	250	375	335	12- φ 18	1000
250(JY)WQ600-25-75	600	25	1450	75	150.0	55	1520		1120		1210	870	560	250	375	335	12- φ 18	1200
250(JY)WQ600-30-90	600	30	1450	90	180.0	55	1570		1170		1210	870	560	250	375	335	12- φ 18	1300
300(JY)WQ800-8-37	800	8	1450	37	75.0	60	1400		1150		1200	800	470	300	440	395	12- φ 22	650
300(JY)WQ500-15-45	500	15	1450	45	90.0	55	1450		1200		1200	800	470	300	440	395	12- φ 22	850
300(JY)WQ800-12-45	800	12	1450	45	90.0	60	1450		1200		1200	800	470	300	440	395	12- φ 22	850
300(JY)WQ600-20-55	600	20	1450	55	110.0	55	1480		1080		1270	870	560	300	440	395	12- φ 22	1000
300(JY)WQ800-20-75	800	20	1450	75	150.0	60	1520		1120		1270	870	560	300	440	395	12- φ 22	1200
300(JY)WQ950-20-90	950	20	1450	90	150.0	65	1570		1170		1270	870	560	300	440	395	12- φ 22	1300
300(JY)WQ1000-25-110	1000	25	1450	110	220.0	70	2200		2100		1900	1500	600	300	440	395	12- φ 22	1400
350(JY)WQ1500-7-45	1500	7	1450	45	90.0	80	2100		2100		1880	1380	500	350	490	445	12- φ 22	860
350(JY)WQ1100-10-55	1100	10	1450	55	110.0	75	2150		2100		1880	1380	560	350	490	445	12- φ 22	1000
350(JY)WQ1200-13-75	1200	13	1450	75	150.0	75	2150		2100		1900	1400	560	350	490	445	12- φ 22	1200
350(JY)WQ1300-10-75	1300	10	1450	75	150.0	75	2150		2100		1900	1400	560	350	490	445	12- φ 22	1200
350(JY)WQ1200-15-90	1200	15	1450	90	180.0	75	2190		2150		1950	1450	560	350	490	445	12- φ 22	1350
350(JY)WQ1130-18-90	1130	18	1450	90	180.0	75	2190		2150		1950	1450	560	350	490	445	12- φ 22	1350

Remark: H*、H1* is the size of JYWQ

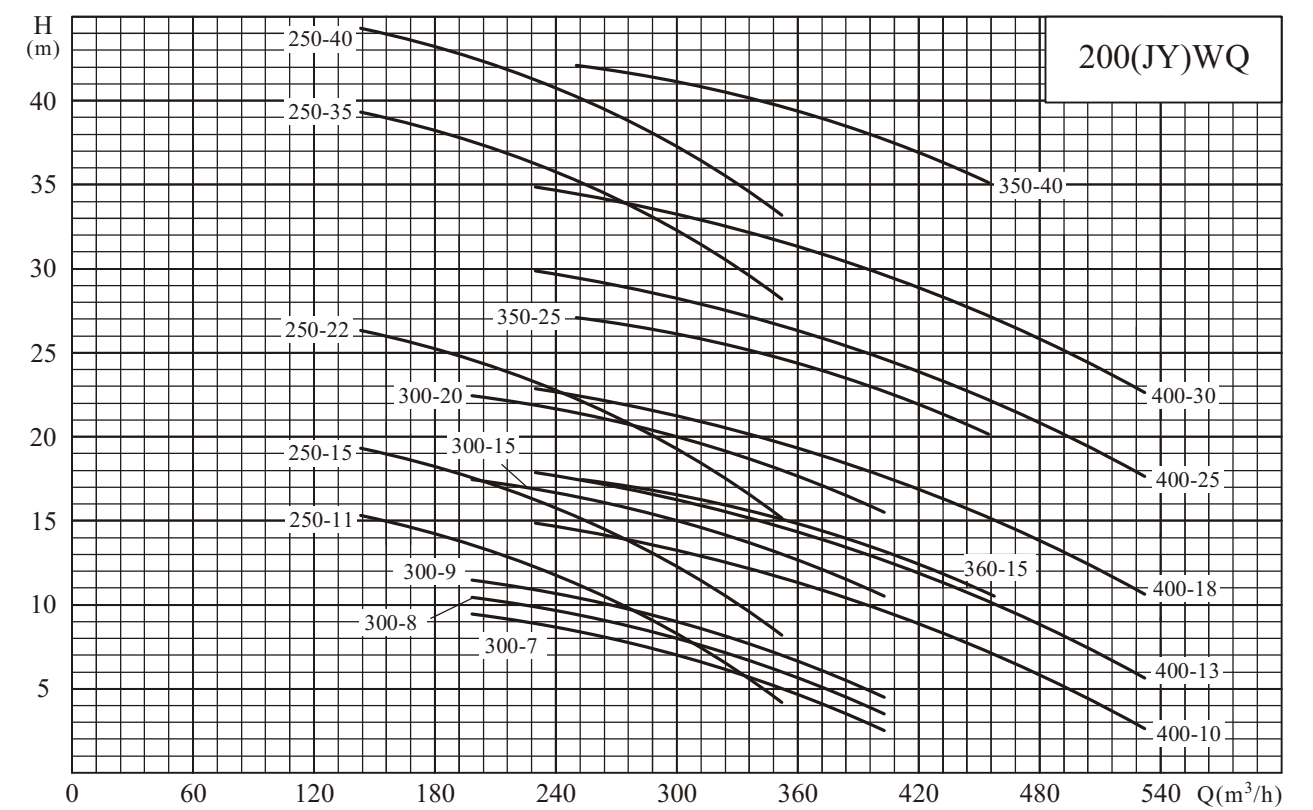
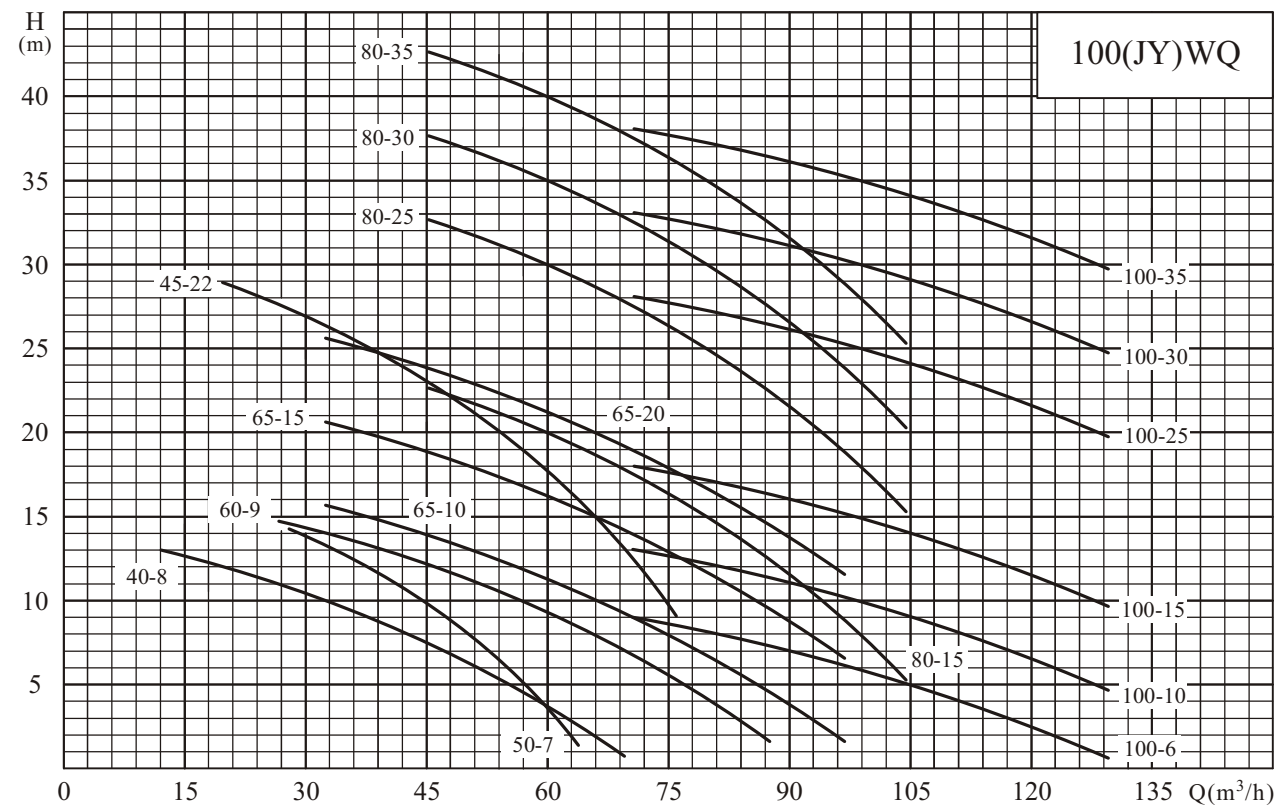
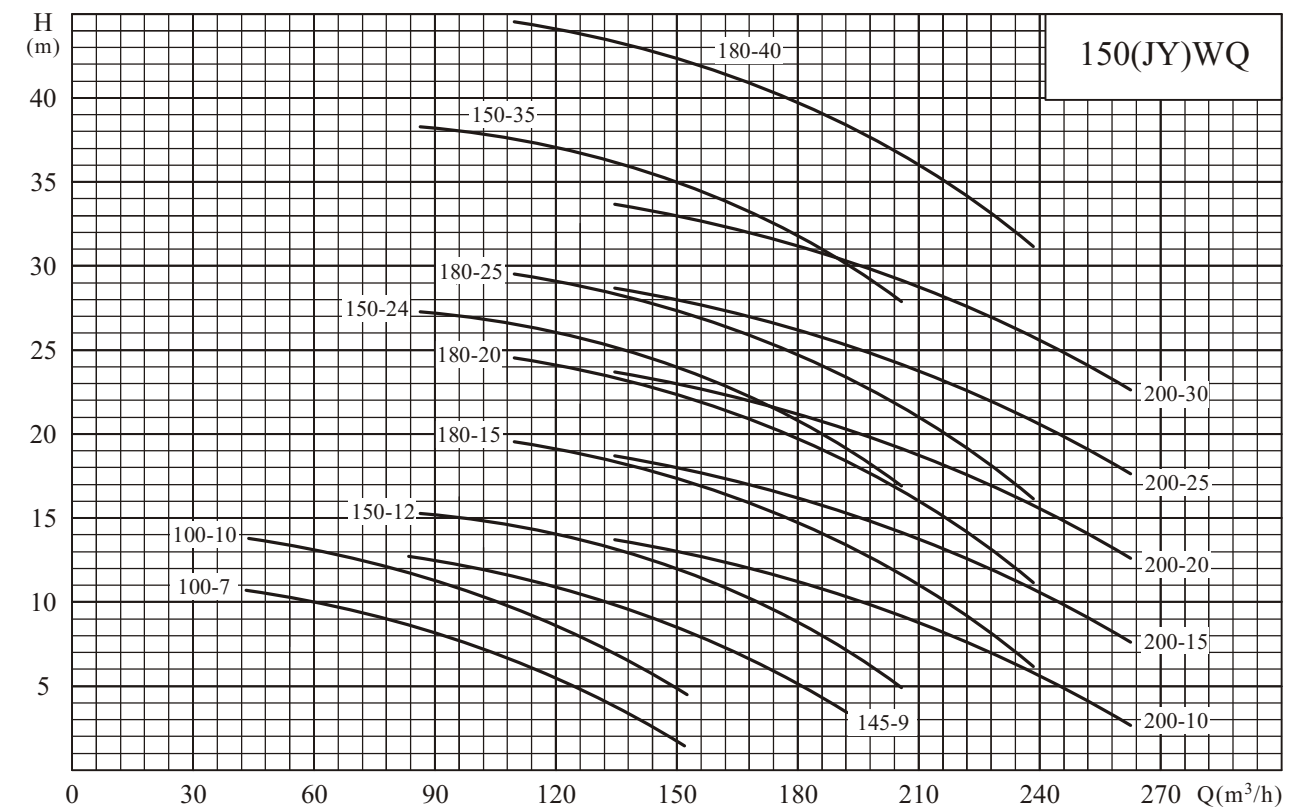
● Performance curve



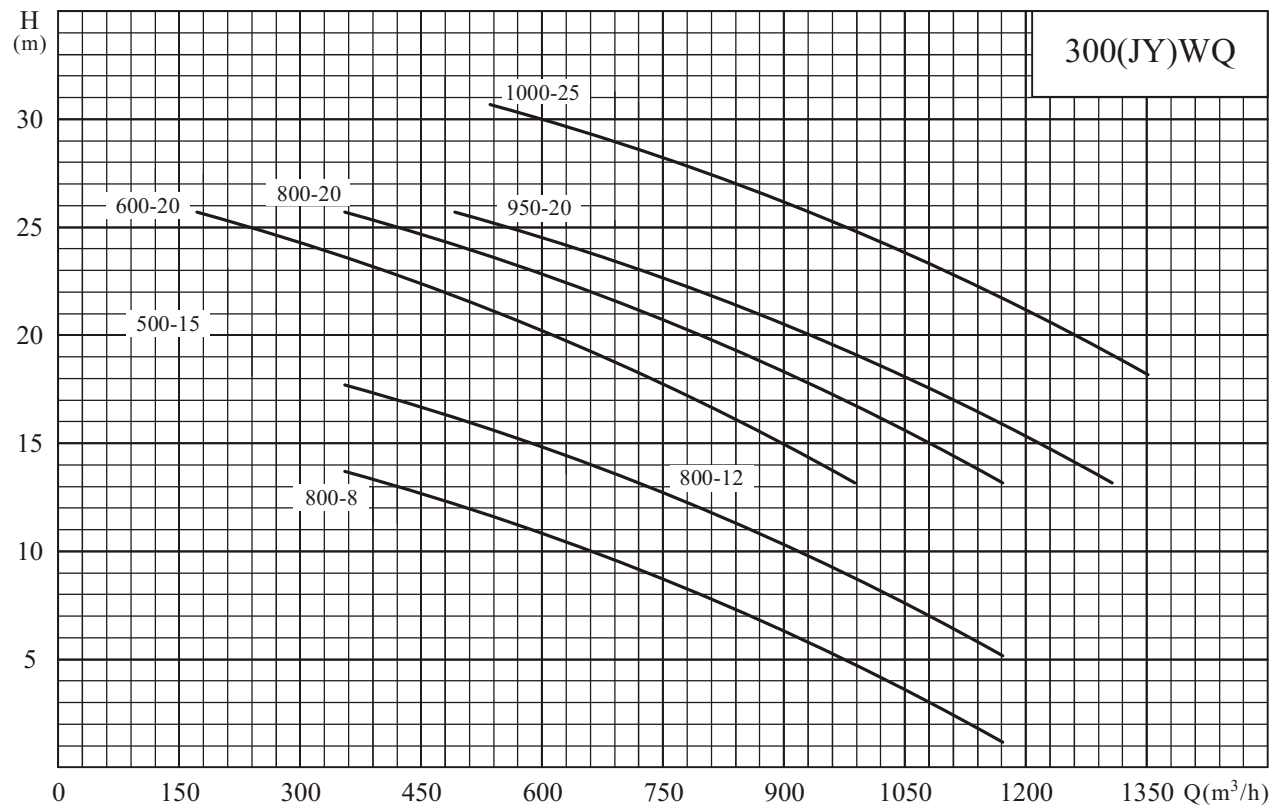
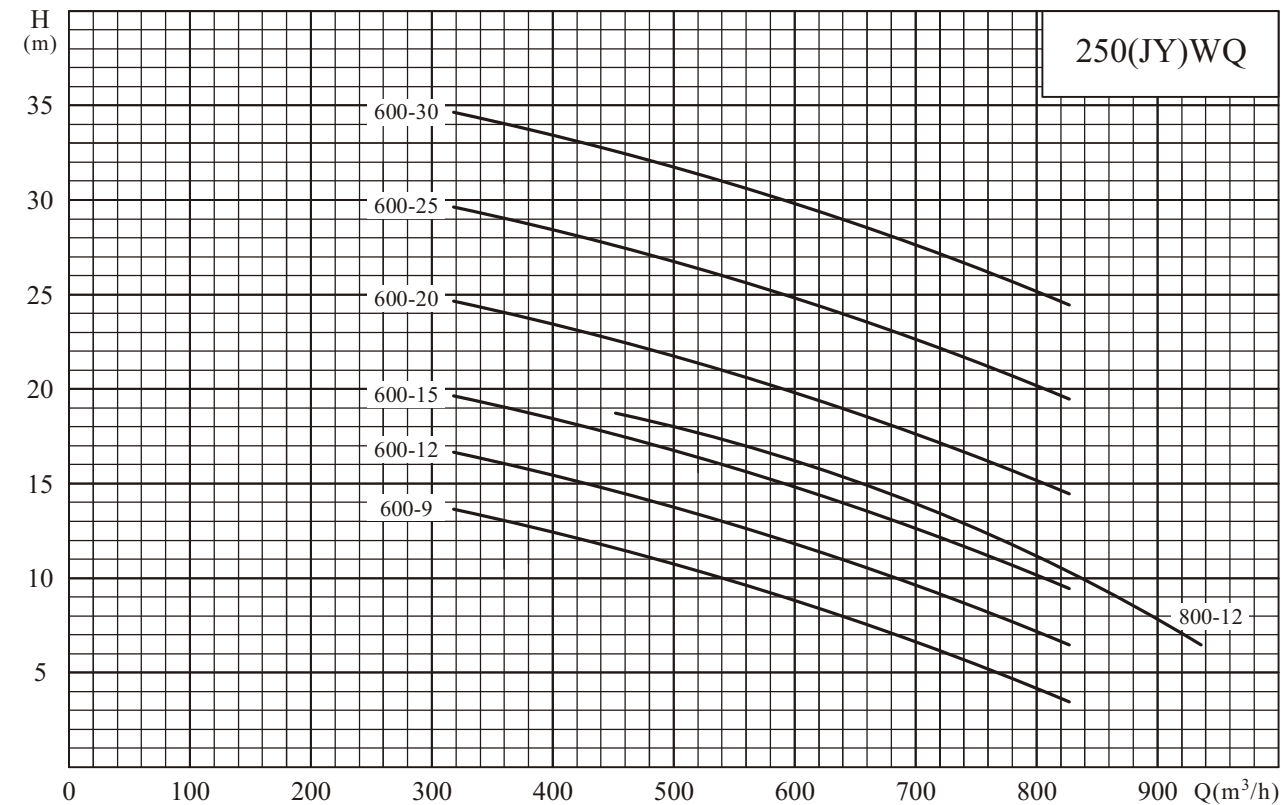
● Performance curve



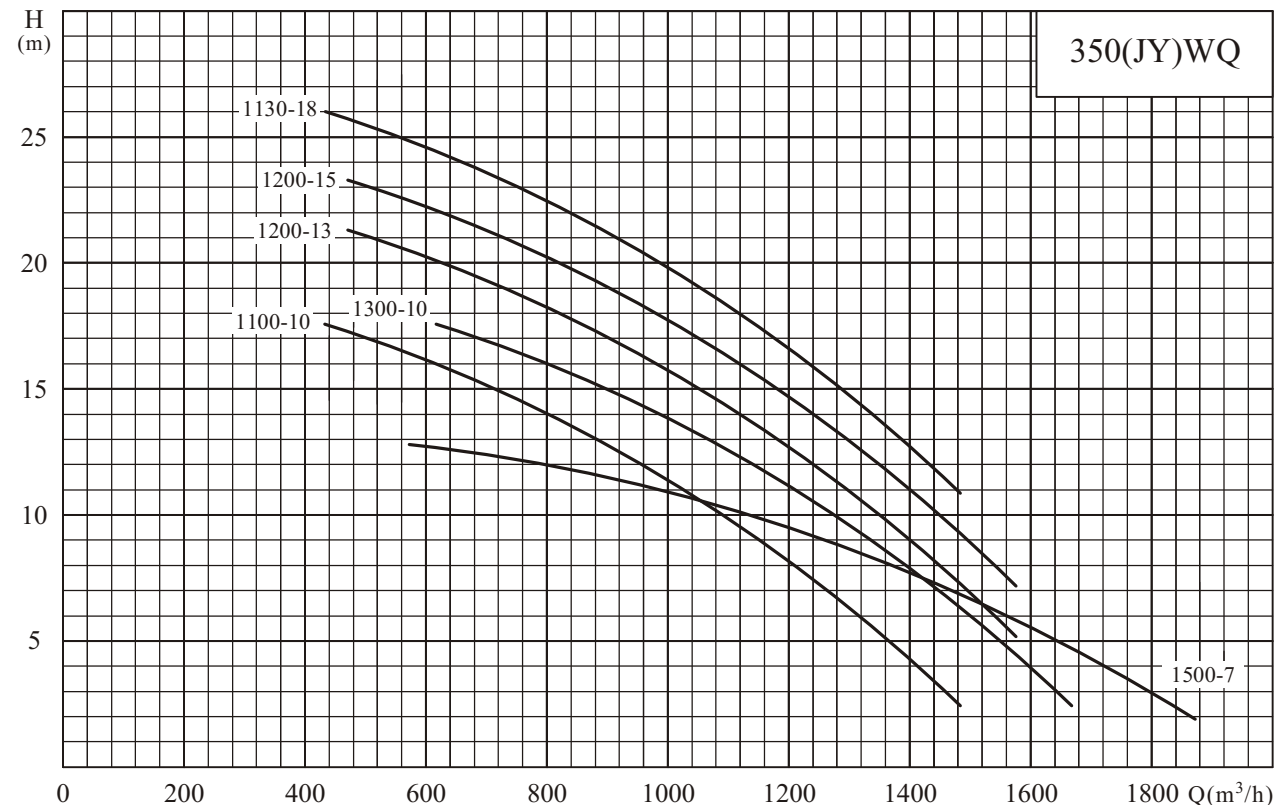
● Performance curve



● Performance curve



● Performance curve



WQF Summary

- WQF full stainless steel sewage submersible pump improve the same type pumps of the local and overseas. It is specially for miners, buildings, municipal projects, sewage treatment applications.
- Wet parts of pump are made of casting stainless steel. It is self non polluted and anti corrosive, it expands the drainage applications.
- High efficient, good structure, non-clogging, anti-twisting, small space, lightweight, running safe and reliable, long service time.
- The on request two guide auto coupling device system, it is convenient for pump installation.
- Two faces mechanical seal, use tungsten carbide, it can work more than 10000 hours.
- There is auto coupling device installation (Z), hard pipe movable installation (Y), soft pipe movable installation (R).

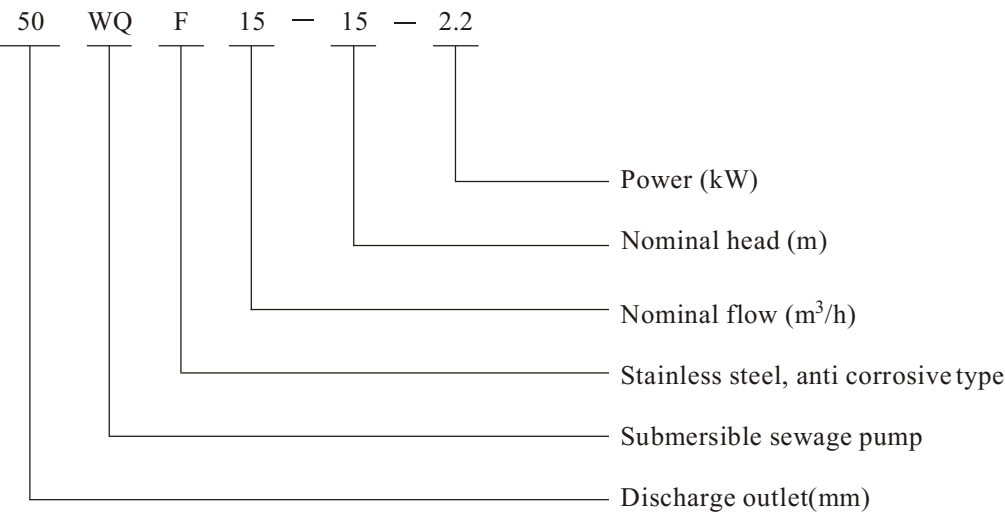
Application

- Projects, industrial enterprises, municipal projects, etc. sewage water treatment system.
- Sewage transportation in the municipal sewage system.
- Prospection, mines, etc.
- Treat sewage water for food, hospital, sea water, ship.
- Irrigation, fen, aquaculture, sprinkle, etc.

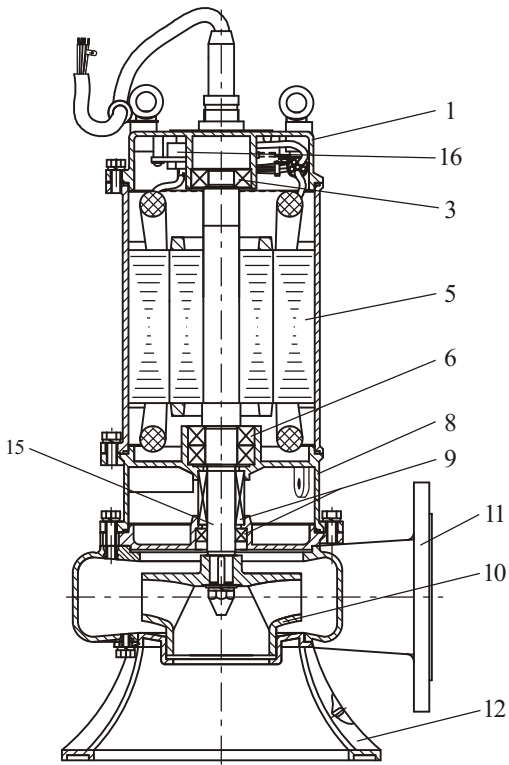
Working conditions

- Liquid temperature shall be less than 60 degree centigrade, Ph value is between 2 and 12. Density shall be less than 1200kg/m³, solid and liquid ratio shall be less than 2%
- When working, motor on liquid level shall not be bigger than 1/2 of the whole motor.

Model definition



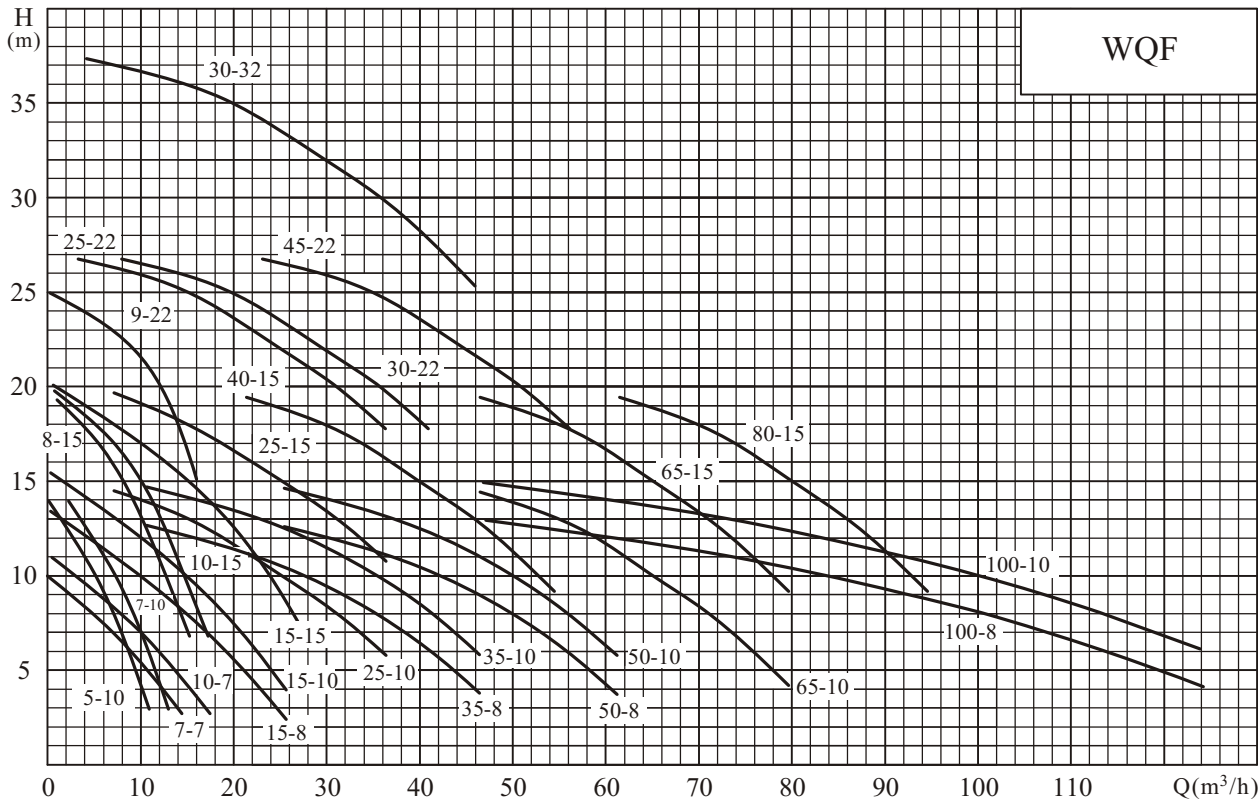
Sectional drawing



Material

No.	Name	Material
1	Pump cover	Stainless steel0Cr18Ni9
3	Bearing	
5	Motor	
6	Bearing	
8	Oil chamber	Stainless steel0Cr18Ni9
9	Mechanical seal	Sic/Tungsten Carbide
10	Impeller	Stainless steel0Cr18Ni9
11	Casing	Stainless steel0Cr18Ni9
12	Base	Stainless steel0Cr18Ni9
15	Shaft	Stainless steel2Cr13
16	Thermal protector	

Performance curve



● Technical data and dimensions(Installation drawing is same as WQ)

Model	Q	H	Speed	Power	Current	Max. dia. of passing solid	Dimensions(mm)									Weight
	(m³/h)	(m)	(rpm)	(kW)	(A)	(mm)	H	H1	B3	B2	D2	d	D	D1	n1- φ d1	(kg)
50WQF7-7-0.55	7	7	2860	0.55	1.6	15	430	300	330	230	190	50	140	110	4- φ 14	18
50WQF5-10-0.55	5	10	2860	0.55	1.6	15	430	300	330	230	190	50	140	110	4- φ 14	18
50WQF10-7-0.75	10	7	2860	0.75	2.0	20	430	300	330	230	190	50	140	110	4- φ 14	18
50WQF7-10-0.75	7	10	2860	0.75	2.0	20	430	310	330	230	190	50	140	110	4- φ 14	18
50WQF15-8-1.1	15	8	2860	1.1	2.8	20	430	310	330	230	190	50	140	110	4- φ 14	20
50WQF8-15-1.1	8	15	2860	1.1	2.8	20	430	310	330	230	190	50	140	110	4- φ 14	20
50WQF15-10-1.5	15	10	2860	1.5	4.0	20	485	330	350	250	200	50	140	110	4- φ 14	28
50WQF10-15-1.5	10	15	2860	1.5	4.0	20	485	330	350	250	200	50	140	110	4- φ 14	28
50WQF25-10-2.2	25	10	2860	2.2	6.0	25	485	345	350	250	200	50	140	110	4- φ 14	30
50WQF15-15-2.2	15	15	2860	2.2	6.0	20	485	345	350	250	200	50	140	110	4- φ 14	30
50WQF9-22-2.2	9	22	2860	2.2	6.0	20	485	345	350	250	200	50	140	110	4- φ 14	30
50WQF25-15-3	25	15	2860	3	6.5	20	510	400	370	270	200	50	140	110	4- φ 14	37
50WQF25-22-4	25	22	2860	4	8.4	25	600	440	380	280	250	50	140	110	4- φ 14	48
65WQF35-8-2.2	35	8	2860	2.2	6.0	25	485	345	380	250	200	65	160	130	4- φ 14	30
65WQF35-10-3	35	10	2860	3	6.5	25	520	420	400	270	200	65	160	130	4- φ 14	37
65WQF40-15-4	40	15	2860	4	8.4	30	610	440	410	280	250	65	160	130	4- φ 14	48
65WQF30-22-5.5	30	22	2860	5.5	12.0	25	630	470	420	290	250	65	160	130	4- φ 14	55
65WQF30-32-7.5	30	32	2860	7.5	16.8	25	640	485	450	320	290	65	160	130	4- φ 14	68
80WQF50-8-3	50	8	2860	3	6.5	30	520	420	400	270	200	76	190	150	4- φ 18	37
80WQF50-10-4	50	10	2860	4	8.4	30	610	440	410	280	250	76	190	150	4- φ 18	48
80WQF65-15-5.5	65	15	2860	5.5	12.0	30	630	470	420	290	250	76	190	150	4- φ 18	55
80WQF45-22-7.5	45	22	2860	7.5	16.8	30	650	490	440	310	290	76	190	150	4- φ 18	68
100WQF65-10-4	65	10	2860	4	8.4	30	610	440	440	280	250	100	210	170	4- φ 18	48
100WQF100-8-5.5	100	8	2860	5.5	12.0	35	640	480	420	290	250	100	210	170	4- φ 18	58
100WQF80-15-7.5	80	15	2860	7.5	16.8	30	660	500	460	310	290	100	210	170	4- φ 18	73
100WQF100-10-7.5	100	10	2860	7.5	16.8	35	660	500	460	310	290	100	210	170	4- φ 18	73

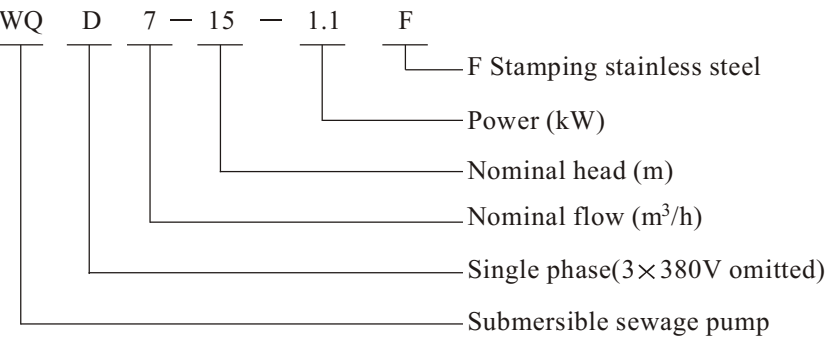
● WQ-F Summary

- WQ-F small stainless steel sewage submersible pump is made of SS304 or SS316 .It is widely used for home, buildings, industrial enterprise sewage treatment applications.
- High efficient, good structure, non-clogging, anti-twisting, small space, light weight, running safe and reliable, long service time.
- Soft pipe movable installation

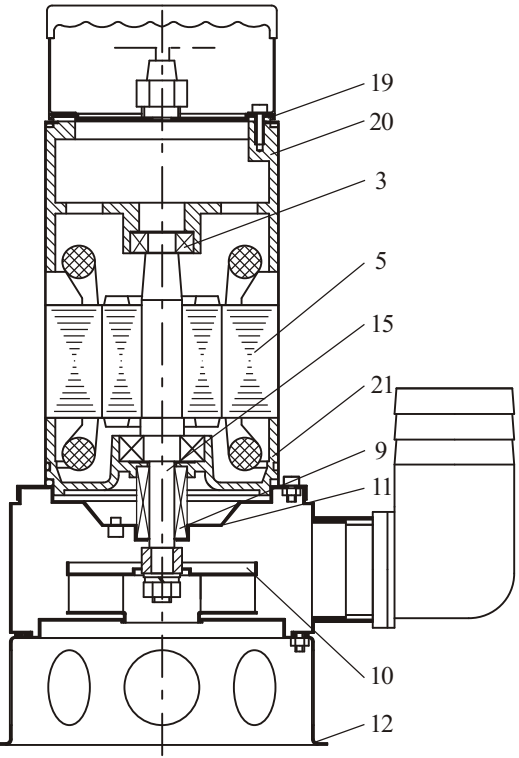
● Working conditions

- Liquid temperature shall less than 60 degree centigrade, Ph value is between 2 and 12. Density shall less than 1200kg/m³, solid and liquid ratio shall less than 2%
- When working, motor on liquid level shall not bigger than 1/2 of the whole motor.
- Power supply: 50Hz: 3 × 380V
1 × 220V (≤ 1.1kw)

● Model definition



● Sectional drawing



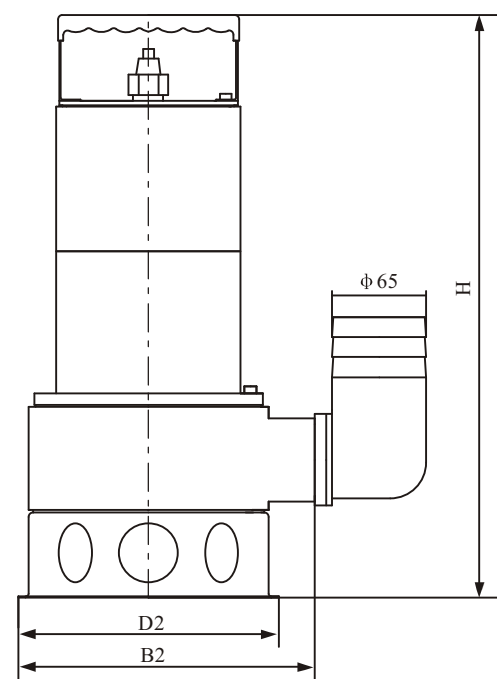
● Material

No.	Name	Material
3	Bearing	
5	Motor	
9	Mechanical seal	Sic/Tungsten Carbide
10	Impeller	Stainless steel0Cr18Ni9
11	Casing	Stainless steel0Cr18Ni9
12	Base	Stainless steel0Cr18Ni9
15	Shaft	Stainless steel2Cr13
19	Upper cover	Stainless steel0Cr18Ni9
20	Upper seat	Stainless steel0Cr18Ni9
21	Lower seat	Stainless steel0Cr18Ni9

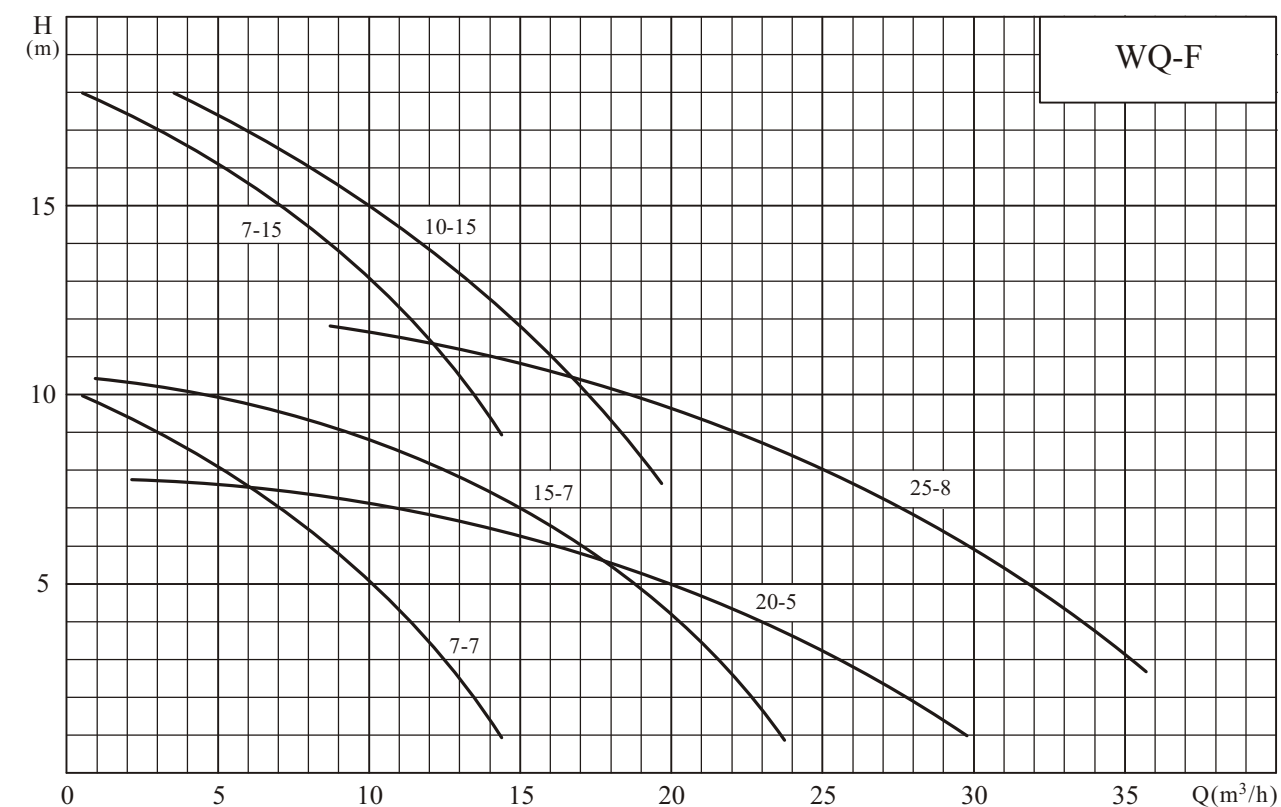
● Technical data and dimensions

Model	Q	H	Speed	Power	Voltage	Current	In. Dia. of pipe	Max. dia. Of passing solid	Dimensions(mm)			Weight (kg)
	(m ³ /h)	(m)	(rpm)	(kW)	(V)	(A)	(mm)	(mm)	H	B2	D2	
WQ(D)7-7-0.55F	7	7	2860	0.55	220/380	5.0/1.6	65	20	370	220	170	9
WQ(D)20-5-0.75F	20	5	2860	0.75	220/380	5.4/2	65	20	370	220	170	10
WQ(D)15-7-1.1F	15	7	2860	1.1	220/380	7.8/2.8	65	20	370	220	170	12
WQ25-8-1.5F	25	8	2860	1.5	380	4	65	20	400	220	185	14
WQ(D)7-15-1.1F	7	15	2860	1.1	220/380	7.8/2.8	65	20	370	220	170	12
WQ10-15-1.5F	10	15	2860	1.5	380	4	65	20	400	220	185	14

● Sectional drawing



● Performance curve



WQAS Summary

- WQAS cutting impeller sewage submersible pump is designed with special cutting plate, it can cutting sewage.
- There is auto coupling device installation, hard pipe movable installation, soft pipe movable installation.

Application

Pump liquid with special sewage, applied to home sewage and industrial sewage.

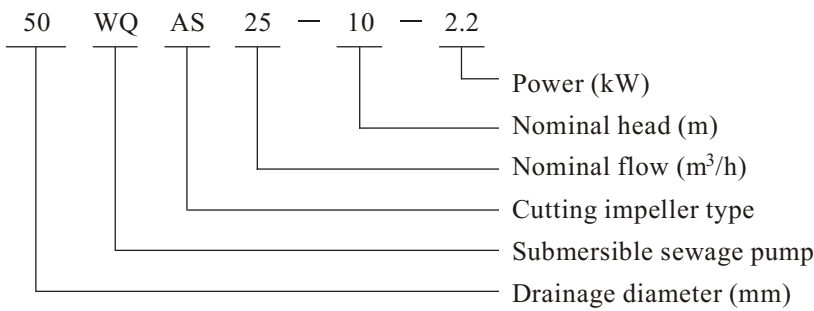
Working conditions

- Power supply: 50Hz: 3×380V
- Liquid temperature shall less than 40 degree centigrade, Ph value is between 4 and 10. Density shall less than 1200kg/m³, solid and liquid ratio shall less than 2%
- When working, motor on liquid level shall not bigger than 1/2 of the whole motor.

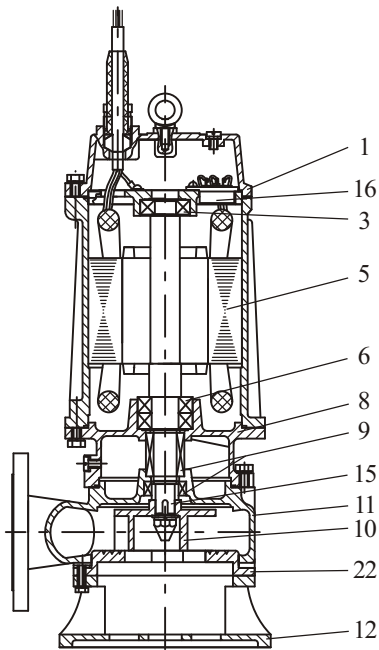
Structure

Pump impeller is single channel or non clogging cutting impeller. There is adjusting cutting plate between pump base and casing. The cutting impeller andcutting plate work together tocut the long fiberand drainage.

Model definition



Sectional drawing



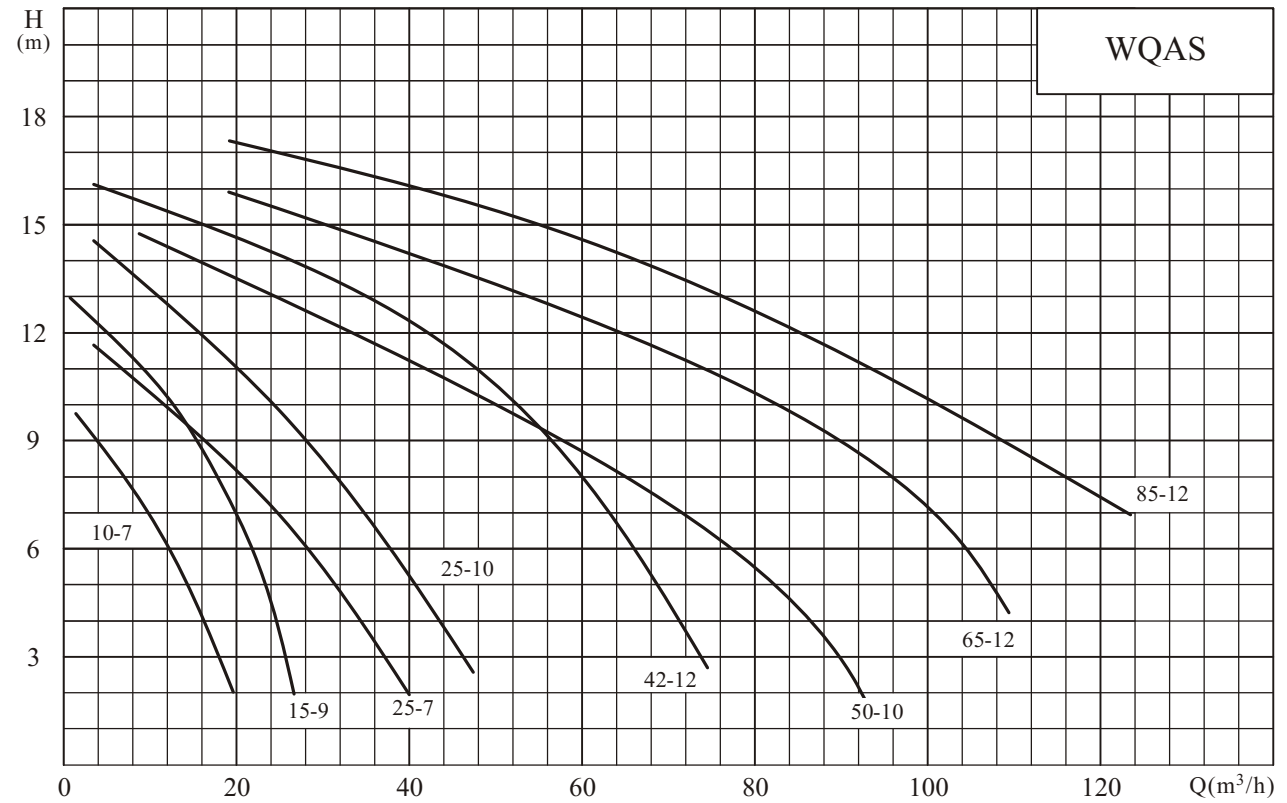
Material

No.	Name	Material
1	Pump cover	Cast ironHT200
3	Bearing	
5	Motor	
6	Bearing	
8	Oil chamber	Cast ironHT200
9	Mechanical seal	Sic/Tungsten Carbide
10	Impeller	Cast ironHT200
11	Casing	Cast ironHT200
12	Base	Cast ironHT200
15	Shaft	Stainless steel2Cr13
16	Thermal protector	
22	Cutting plate	Steel

Technical data and dimensions

Model	Q	H	Speed	Power	Current	Dimensions(mm)									Weight (kg)
	(m³/h)	(m)	(rpm)	(kW)	(A)	H	H1	B3	B2	D2	d	D	D1	n1-φd1	
50WQAS10-7-0.75	10	7	2860	0.75	2.0	450	340	300	210	190	50	140	110	4-φ14	20
50WQAS15-9-1.1	15	9	2860	1.1	2.8	480	370	300	210	190	50	140	110	4-φ14	23
50WQAS25-7-1.5	25	7	2860	1.5	4.0	520	410	360	270	200	50	140	110	4-φ14	28
50WQAS25-10-2.2	25	10	2860	2.2	6.0	550	440	360	270	200	50	140	110	4-φ14	30
80WQAS42-12-3	42	12	2860	3	6.5	600	490	420	300	250	76	190	150	4-φ18	57
80WQAS50-10-4	50	10	2860	4	8.4	630	520	420	300	250	76	190	150	4-φ18	60
100WQAS65-12-5.5	65	12	2860	5.5	12.0	700	560	500	340	260	100	210	170	4-φ18	85
100WQAS85-12-7.5	85	12	2860	7.5	16.8	740	600	500	340	260	100	210	170	4-φ18	94

Performance curve



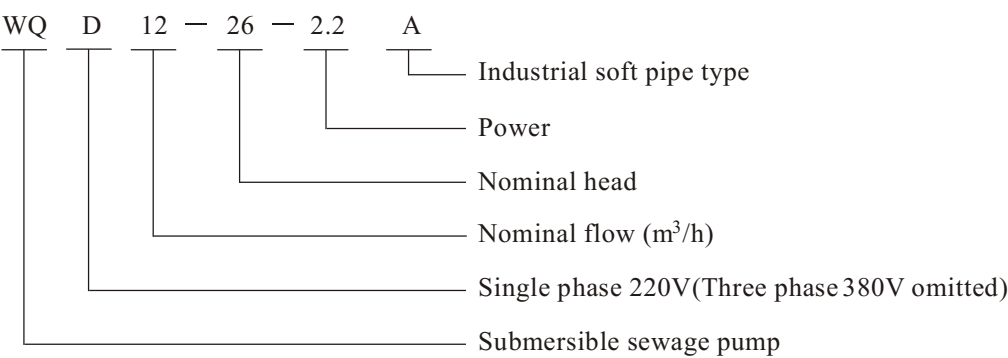
WQ-A Summary

- WQ-A industrial sewage submersible pump is widely used for building projects, industrial enterprise, farming, forest, aquiculture, etc. applications. It can pump sewage with small solid. It is a potable sewage pump.
- Easy to use, long service, high efficient, it is the new generation product. The impeller is open type Easy to clean and maintain.
- Soft pipe movable installation(R)

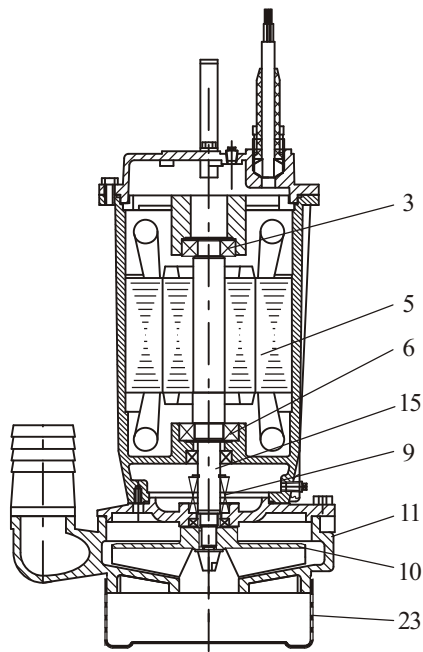
Working conditions

- Liquid temperature shall less than40 degree centigrade, Ph valueis between 6.5 and8.5. Density shall less than 1200kg/m³, solid and liquid ratio shall less than 2%
- Motor on liquid level shall not bigger than 1/2 of the whole motor.
- Power supply: 50Hz: 3× 380V

Model definition



Sectional drawing



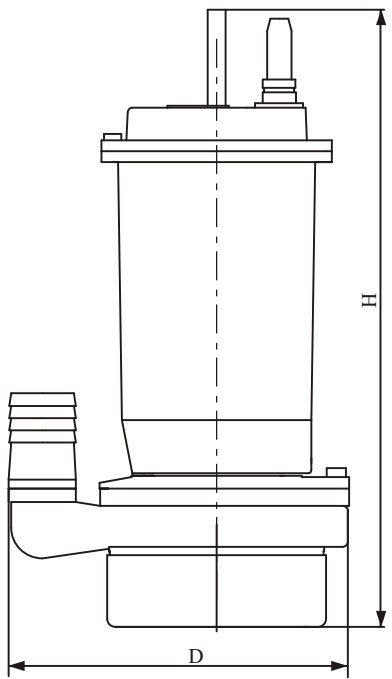
Material

No.	Name	Material
3	Bearing	
5	Motor	
6	Bearing	
9	Mechanical seal	Sic/Tungsten Carbide
10	Impeller	Cast ironHT200
11	Casing	Cast ironHT200
15	Shaft	Stainless steel2Cr13
23	Strainer	Steel carbon

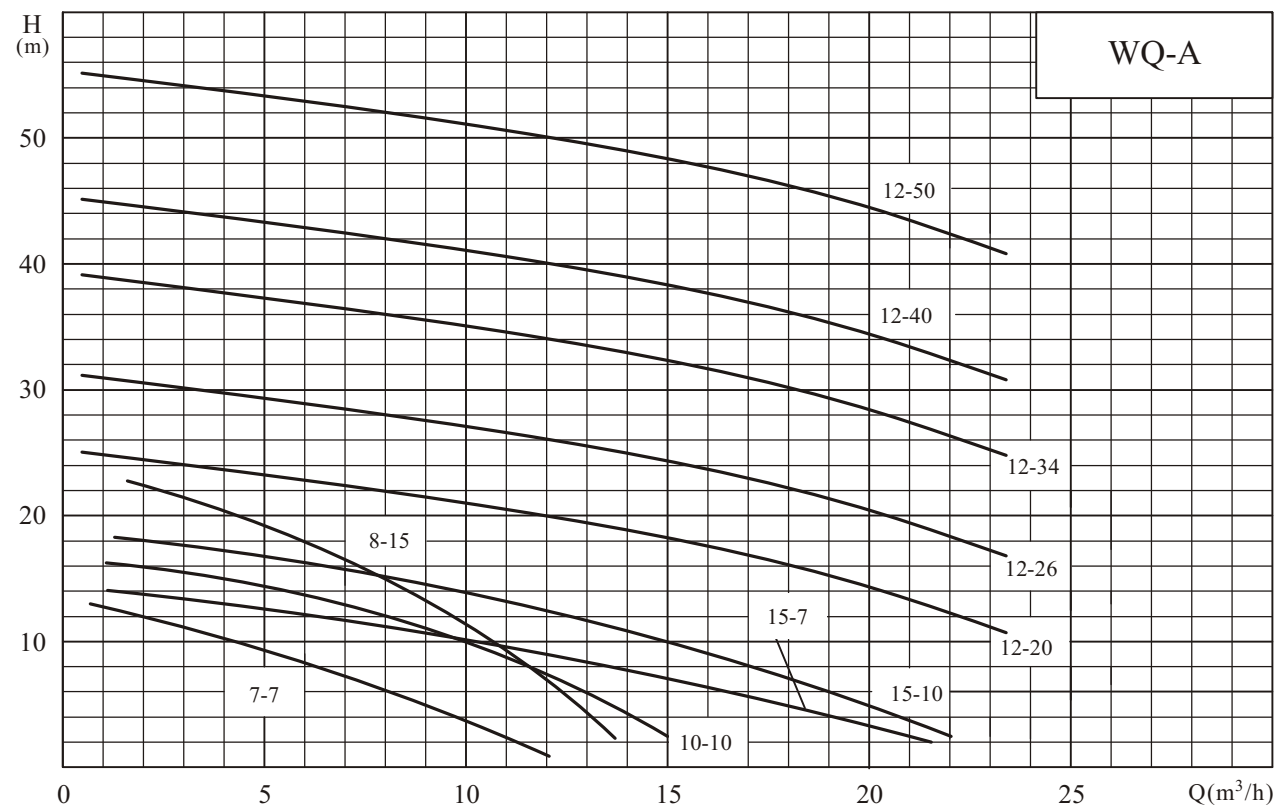
Technical data and dimensions

Model	Q	H	Speed	Power	Voltage	Current	In. Dia. of pipe	Max. dia. Of passing solid	Dimensions(mm)		Weight
	(m³/h)	(m)	(rpm)	(kW)	(V)	(A)	(mm)	(mm)	D	H	(kg)
WQD7-7-0.55A	7	7	2860	0.55	220	5	50	3	240	380	14
WQD15-10-0.75A	15	10	2860	0.75	220	5.4	65	3	240	380	15
WQ10-10-0.75A	10	10	2860	0.75	380	2	50	3	240	380	16
WQ8-15-1.1A	8	15	2860	1.1	380	2.8	50	3	240	380	16
WQ15-7-1.1A	15	7	2860	1.1	380	2.8	50	3	240	380	16
WQ12-20-1.5A	12	20	2860	1.5	380	4	50	3	260	460	30
WQ12-26-2.2A	12	26	2860	2.2	380	6	50	3	270	470	39
WQ12-34-3A	12	34	2860	3	380	6.6	50	3	295	490	46
WQ12-40-4A	12	40	2860	4	380	8.6	50	3	300	510	50
WQ12-50-5.5A	12	50	2860	5.5	380	12	50	3	330	610	65

Sectional drawing



● Performance curve



● Supply range

Installation type	With the accessory	Optional part		Spares
Soft pipe movable installation	Pump, rubber joint	Hose	Control cabinet, end cabinet, valve, non return valve, chain (for pumping pump),	Impeller, seal ring, bearing, mechanical seal
Hard pipe movable installation	Pump, flange	Dual flange joint		
Auto coupling device installation	Pump, auto coupling device	Guide rod, footer bolt, expanding bolt		

● Ordering Help

1. When place order, please note product model, name, performance data(flow, head), installation way, material of wet part,optional part, spare part, etc.;When choose model, consider the density of medium which will affect the motor power, consider the corrosive of medium, we aring which will have special requirement for the mechanical seal of wet part.. Welcome to inquiry on this.
2. If there is special requirement for the protection in the pump(Oil probe, float switch, thermal part), need to specify when order. If need the conti nuerol cabinet, need to specify the controlling type, etc.
3. The standard cable length for the submersible sewage pump is 10m. If needs prolong, needs to specify.
4. Please specify whether need the dual cable (normally for motor power bigger than 7.5kw, please choose).