



WQ/WQW/WQF

Sewage submersible
pump

50 Hz

TESK PUMPS

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COMPANY PROFILE

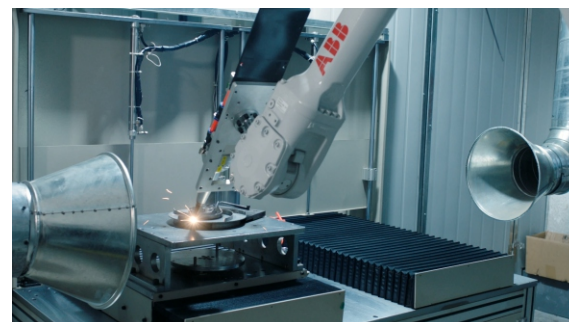
Zhejiang Nanyuan Pump Industry Co., Ltd. is a core manufacturer integrating R&D, production, sales and service of pump products. The core team of the Company is composed of a group of elites who have been working on centrifugal pump for more than 30 years. The output value of the Company has been growing steadily year by year, and its business has spread over 30 countries and regions around the world. The Company has grown rapidly and become one of the new batch of high-tech enterprises in China.

Nanyuan Pump Industry always insists on producing good products with "equal emphasis on quality and service", and facilitating more enterprises and individuals with the progress of pump technology. The concept of "craftsmanship strengthens quality, excellence strengthens brand" has driven the continuous innovation of Nanyuan, while the corporate spirit of sincerity, modesty and quality has promoted the down-to-earth growth and expansion of Nanyuan.

The main products of the Company include: Vertical multistage centrifugal pump, horizontal multi-stage centrifugal pump, immersed multi-stage centrifugal pump, pipeline circulating pump, submersible sewage and drainage electrical pump, horizontal end suction pump, pneumatic diaphragm pump, gas liquid mixing pump and other products.

They are widely used in: water treatment industry, water supply complete set, electronic industry, cleaning industry, construction industry, boiler water supply, machine tool cooling, air conditioning cycle, environmental protection industry, sewage pumping and many other fields. At the same time, we provide high quality service related to pump products.

At present, Nanyuan Pump Industry has modern standardized plant, advanced automatic processing equipment and reliable processing technology. We cooperates with overseas senior experts in product design and domestic universities to conduct professional research and development.



Nanyuan Pump Industry has been awarded as a national high-tech enterprise and a patent demonstration enterprise, and has also obtained the certification of ISO9001:2015 quality management system, ISO14001:2015 environmental management system, OHSAS18001:2007 occupational health and safety management system, China energy saving products, CE certification and 5 star after-sales service system. Thank you for your attention to Nanyuan Pump Industry. We will dedicate ourselves to providing high-quality products and comprehensive, professional and meticulous sales services to our customers. Please join us in witnessing the continuous improvement of human life and the progress and brilliance of the water pump industry through water pump technology.



Introduction

Model screening: after performance optimization, double-channel impeller is adopted with two or three reasonably arranged mechanical seals, which ensures the lubrication and cooling of mechanical seals, the smooth operation without blocking and good flow capacity.

Improvement of mechanical seals: series mechanical seal is adopted, with more reliable shaft seal and longer service life.

Structural optimization: the structural design ensures the airtightness of mechanical seals, smooth operation, vibration resistance, drop resistance, and higher reliability. The optimized sewage pump is more portable, practical, corrosion-resistant and wear-resistant.

The submersible motor is featured with IPX8 protection level, good cooling effect and temperature rise lower than ordinary motor, which ensure the better durability. Based on the F-level insulation, the motor has longer service life.

The motor is equipped with a variety of protection devices, which is convenient for users' choice at the time of optimization.

Main Application

It is applicable to discharge the waste water, rainwater and sewage containing solid particles and long fibers in buildings, hospitals, residential areas, municipal engineering, road traffic and their construction, engineering sewage discharge, small-scale sewage treatment and other occasions.

Pump Body & Impeller

Both pump body and impeller are carefully selected, which ensures the good passage capacity of flow channel, high efficiency, flat power curve and not ease to overload. The impeller is featured with accurate balance, small vibration and stable rotation.

Motor

The specially designed submersible motor, featured with IPX8 protection level and F-level insulation, can tolerate the high temperature rise. Under the normal temperature rise condition, the motor insulation life is extended, wile the submersible cooling effect is good and the actual temperature rise is low, thus ensuring the longer insulation life of motor.

Motor Cooling

The heat of motor dissipates through the casing. As long as half of the motor stator casing is soaked by the medium, the motor can operate reliably and safely. The more soaked, the more favorable the motor cooling is.

Shaft Seal

The shaft seal of motor is realized with two or three series mechanical seals, which form multiple reliable sealing defense lines. One of the seals is in the medium of pump. The sealing surface is compressed more tightly with the increase of medium pressure, thus effectively preventing water from entering the oil chamber; the other two seals are in the oil chamber, which can prevent oil from entering the motor. If the first seal is failed, the other two can still prevent oil and water from entering the motor. Besides, the bellows-type mechanical seals cooperate with the innovative structural cavity to further improve the reliability of shaft seal greatly. Under normal use, the non-failure operation time is more than 9,000h.

Oil Chamber

The oil chamber is filled with proper machine oil and installed with two mechanical seals. It is the first barrier to prevent the medium from entering the motor through the pump shaft. If the first seal is failed, the buffer medium in oil chamber can not directly enter the motor. Meanwhile, the friction surfaces of the two independent mechanical seals are lubricated and cooled to make the mechanical seals work more reliable, which can also take away the heat of lower bearing and some heat of the motor.

Bearing

The lower bearing forms the reliable support of motor pump shaft. According to radial and axial forces and pulsating load generated during the operation of sewage pump, the lower bearing can be composed of two or three different types of bearing, thus ensuring the stable operation and long service life of unit.

Cable and Cable Seal

- 1) The cable is sewage-resistant flexible cable with rubber sheath. The cable core section is designed for long-term and reliable operation at 40P ambient temperature and motor full-load power. When the sewage pump works, if the motor runs at non-full load power or under the ambient temperature lower than 40P, the longer service life will be ensured.
- 2) There is seal compressed between the cable rubber sheath and the motor gland, so as to prevent the medium from penetrating into the inner cavity of motor from the interface between cable and motor gland.
- 3) There is rubber vulcanization between the cable sheath and the cable core. Once the rubber sheath is scratched, it can still effectively prevent the medium from entering the motor through the sheath.

Motor Shell

The frame, bearing seat and cover compose the motor shell. The connection place of all components is provided with the reliable static seal. Besides, each motor has been checked through the strict hydrostatic test, so as to ensure the good water tightness.

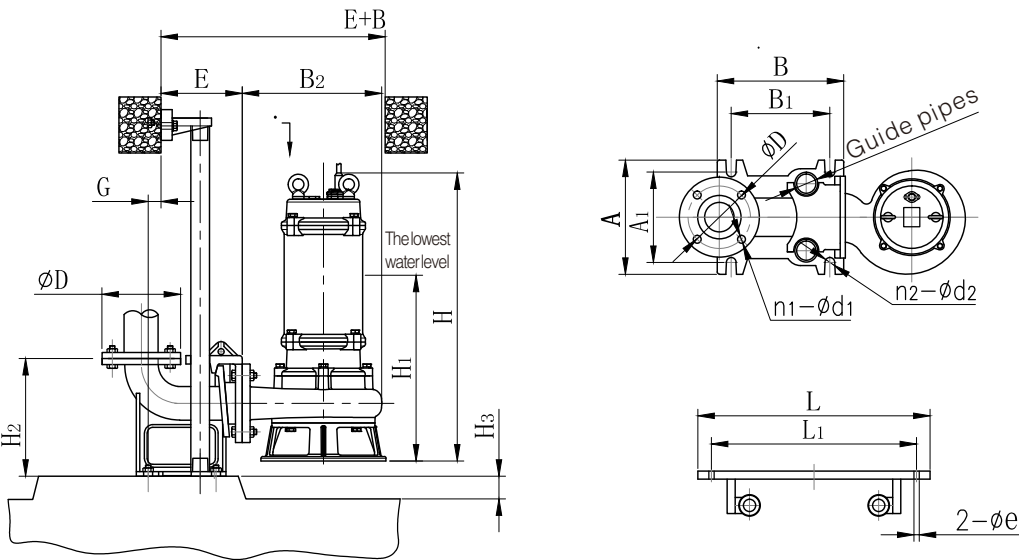
Safety Protection in Motor Pump

(operated by the special electricallycontrolled phase)

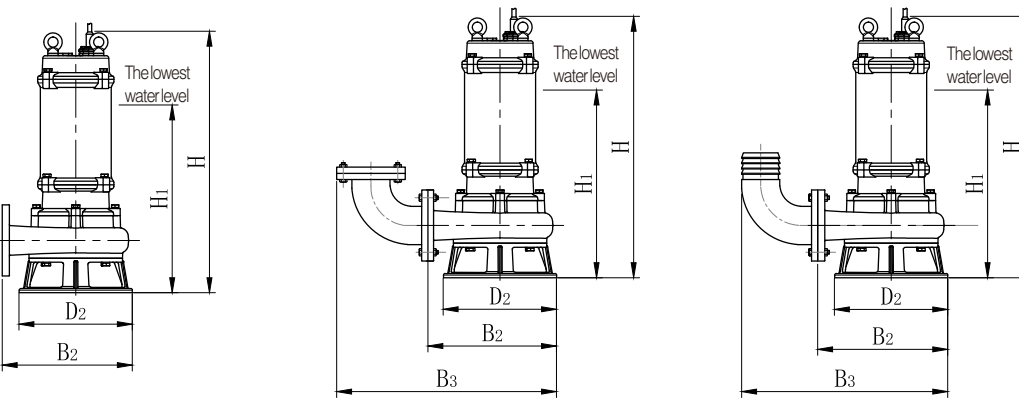
- 1) Oil-water probe: installed in the oil chamber to check the leakage of the first mechanical seal (in the medium), which will send the alarm signal when the medium leaks into the oil chamber and reaches a certain proportion.
- 2) Inlet probe: installed in the motor chamber to check the leakage of the second mechanical seal, which will send the alarm signal and stop the pump when the oil (oil-water mixture) enters the motor.
- 3) Thermo-sensitive element: installed in the motor stator winding, which will send the alarm signal and stop the pump when the motor is overloaded for long time and the temperature of motor winding (or the heating of the motor winding caused by other reasons) reaches a certain value.

Installation

Fixed with connection foot: this installation includes foot, guide pipes, chain, etc. this connection allows for quick removal and installation of pumps from the system during maintenance.



Removable installation with base frame



A. Submersible portable installation

B. Submersible portable installation with flange elbow

C. Submersible portable installation with flanged hose connection

WQW, WQF, WQ, JWWQ Submersible sewage pump with Auto-coupling set

No.	Model	Dimension PN0.6MPa mm			Lightweight auto-coupling set dimension mm					G	H ₂	H ₃	L	L ₁	Rail pipe (inch)	Φ _e	E
		D	D ₁	n ₁ -Φd ₁	A	A ₁	B	B ₁	n ₂ -Φd ₂								
1	DN50	140	110	4-Φ14	132	115	160	118	4-Φ16	23	210	160	265	220	1	12	145
2	DN65	160	130	4-Φ14	160	140	185	135	4-Φ16	25	246	165	275	240	1	12	158
3	DN80	190	150	4-Φ18	185	160	220	160	4-Φ16	30	280	165	315	266	1.5	12	188
4	DN100	210	170	4-Φ18	210	175	260	196	4-Φ18	46	335	185	360	305	1.5	12	205
5	DN150	265	225	8-Φ18	260	230	340	252	4-Φ18	92	415	200	465	400	1.5	16	245
No.	Model	Dimension PN0.6MPa mm			Heavyweight auto-coupling set dimension mm					G	H ₂	H ₃	L	L ₁	Rail pipe (inch)	Φ _e	E
		D	D ₁	n ₁ -Φd ₁	A	A ₁	B	B ₁	n ₂ -Φd ₂								
1	DN50	140	110	4-Φ14	160	140	210	166	4-Φ16	72	210	160	265	220	1	12	145
2	DN65	160	130	4-Φ14	200	175	235	185	4-Φ16	73	245	165	275	240	1	12	155
3	DN80	190	150	4-Φ18	230	195	270	210	4-Φ16	80	280	165	315	266	1.5	12	188
4	DN100	210	170	4-Φ18	270	230	320	256	4-Φ20	110	335	185	360	305	1.5	12	212
5	DN150	265	225	8-Φ18	320	260	486	370	4-Φ20	234	415	200	465	400	1.5	16	240
6	DN200	320	280	8-Φ18	390	350	626	490	4-Φ20	361	444	200	530	465	1.5	16	245
No.	Model	Dimension PN0.6MPa mm			Heavyweight auto-coupling set dimension mm					G	H ₂	H ₃	L	L ₁	Rail pipe (inch)	Φ _e	E
		D	D ₁	n ₁ -Φd ₁	A	A ₁	B	B ₁	n ₂ -Φd ₂								
1	DN250	395	350	12-Φ22	480	420	666	480	4-Φ30	330	500	200	595	525	2	16	300
2	DN300	445	400	12-Φ22	560	500	760	570	4-Φ30	423	600	250	630	560	2	16	300
3	DN350	505	460	16×Φ22	620	560	860	660	4-Φ30	503	700	250	630	560	2	16	321
4	DN400	565	515	16×Φ26	700	620	980	750	4-Φ40	559	800	300	680	610	3	16	377
5	DN500	670	620	20×Φ26	840	760	1210	930	4-Φ40	736	1000	300	777	707	3	24	408

Pump material

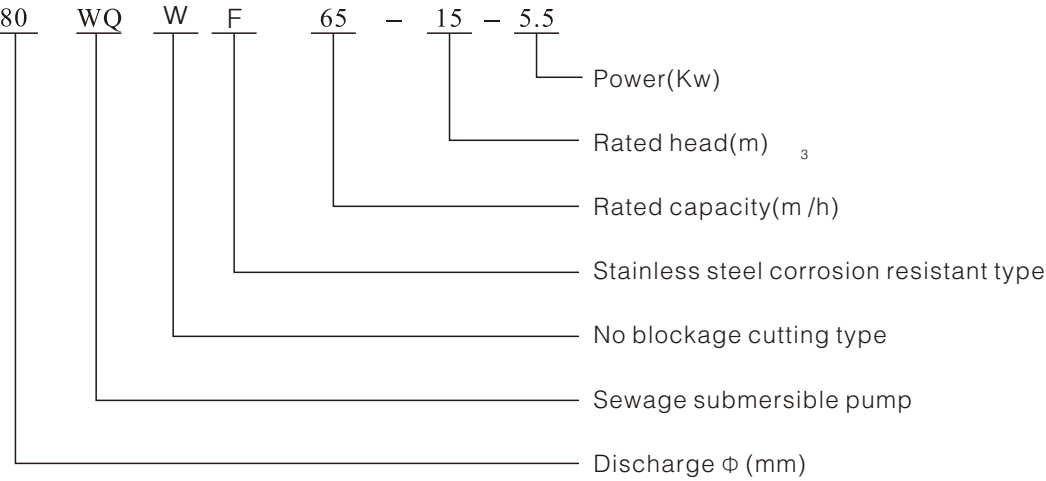
Spare parts	Pump casing, impeller, cover	Motor shell	Shaft	Material of mechanical seal	
				Motor side	Pump side
Cast iron pump	HT200/QT600	HT200	45#/20Cr13	Carbon/Sic	Carbon/SIC/WC
Stainless steel pump	304-316L	304-316L	45#/304-316L	Carbon/Sic	Carbon/SIC/WC

WQW / WQF No blockage cutting type

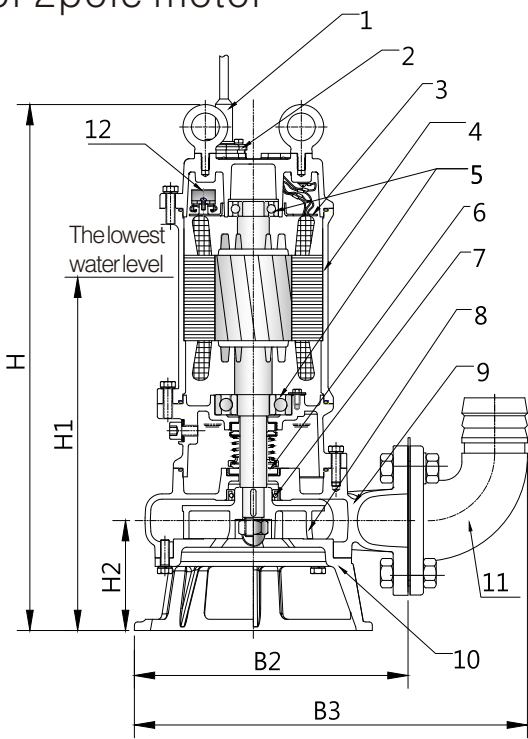
Construction and material of 4 pole WQW cast iron pump



Model definition



Structure drawing of 2pole motor



Construction and material of WQW cast iron pump

No.	Spare part	Material	No.	Spare part	Material
1	Cable	YZW	7	Oil seal	NBR
2	Cable gland	304	8	Impeller	QT600
3	Threading plate	PA66	9	Pump casing	HT200
4	Motor	Shell HT200	10	Basement	QT600
5	Bearing	/	11	Counter flange (Optional accessories)	HT200
6	Mechanical seal	Carbon/SIC/WC	12	Thermal protector	/

Construction and material of WQF stainless steel

No.	Spare part	Material	No.	Spare part	Material
1	Cable	YZW	7	Oil seal	NBR
2	Cable gland	SS 304-316L	8	Impeller	SS 304-316L
3	Threading plate	PA66	9	Pump casing	SS 304-316L
4	Motor	Shell 304-316L	10	Basement	SS 304-316L
5	Bearing	/	11	Counter flange (Optional accessories)	SS 304-316L
6	Mechanical seal	Carbon/SIC/WC	12	Thermal protector	/

Operating data and overall dimensions

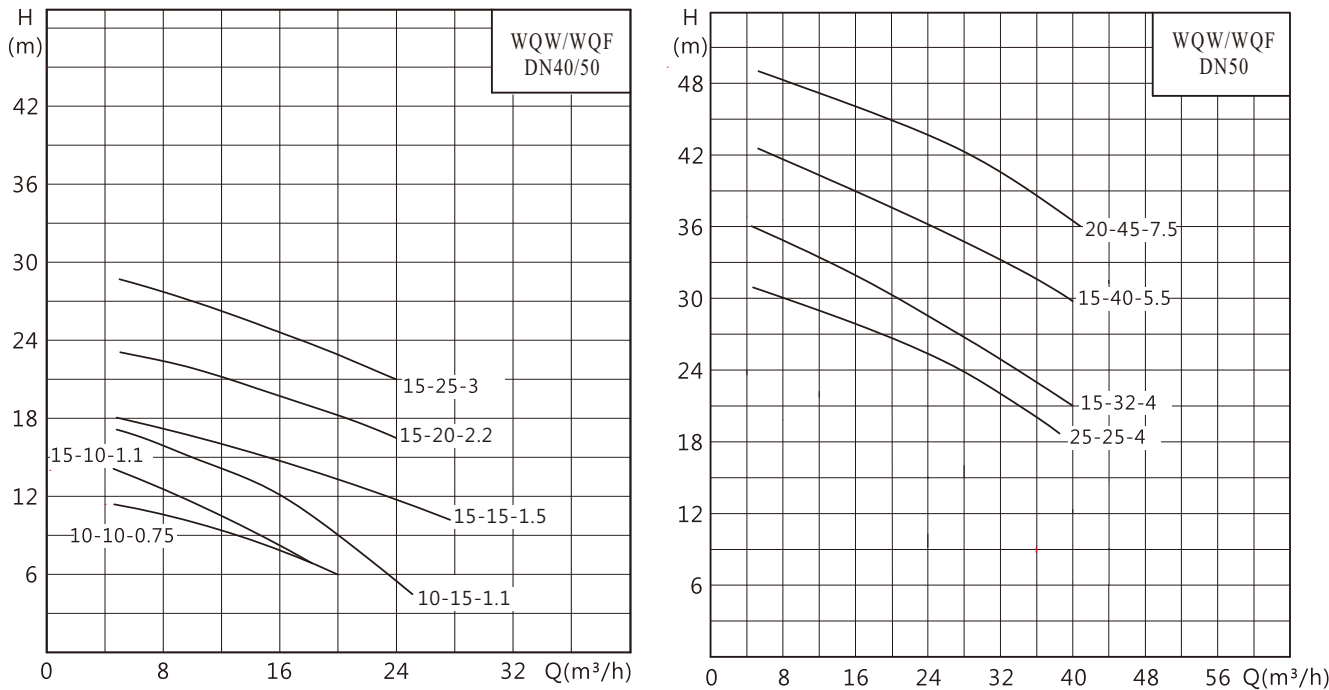
WQW no clogging cut cast iron type

Model	Size of pump pend (DNm)	Q	H	rpm	Power	Current	Max. flow passage	Weight	Overall dimensions (mm)				
	mm	m³/h	m	rpm	kW	A	mm	kg	H	H1	H2	B2	B3
40WQW10-10-0.75	40	10	10	2850	0.75	1.8	20	23	400	300	93	217	312
40WQW10-15-1.1	40	10	15	2850	1.1	2.6	20	27	415	315	93	217	312
50WQW10-10-0.75	50	10	10	2850	0.75	1.8	20	23	400	300	93	217	312
50WQW10-15-1.1	50	10	15	2850	1.1	2.6	20	27	415	315	93	217	312
50WQW15-10-1.1	50	15	10	2850	1.1	2.6	20	27	415	315	93	217	312
50WQW15-15-1.5	50	15	15	2880	1.5	3.3	26	35	493	370	103	250	345
50WQW9-22-2.2	50	9	22	2880	2.2	4.6	26	39	518	390	103	250	345
50WQW15-20-2.2	50	15	20	2880	2.2	4.6	26	39	518	390	103	250	345
50WQW15-25-3	50	15	25	2840	3	6.1	23	47	535	405	120	291	386
50WQW15-32-4	50	15	32	2840	4	7.7	18	52	565	435	120	291	386
50WQW25-25-4	50	25	25	2840	4	7.7	23	52	565	435	120	291	386
50WQW15-40-5.5	50	15	40	2940	5.5	10.8	18	86	650	510	123	313	408
50WQW20-45-7.5	50	20	45	2940	7.5	14.3	18	86	690	550	123	313	408
50WQW20-55-11	50	20	55	2950	11	21.8	19	100	765	480	128	346	441
50WQW20-60-15	50	20	60	2950	15	29.3	19	116	805	520	128	346	441
65WQW15-7-0.75	65	15	7	2850	0.75	1.8	20	23	400	300	93	217	312
65WQW15-10-1.1	65	15	10	2850	1.1	2.6	20	29	415	315	93	217	312
65WQW25-10-1.5	65	25	10	2880	1.5	3.3	26	38	493	370	103	250	355
65WQW25-14-2.2	65	25	14	2880	2.2	4.6	26	42	518	390	103	250	355
65WQW25-18-3	65	25	18	2840	3	6.1	26	48	535	405	120	291	396
65WQW40-16-4	65	40	16	2840	4	7.7	26	67	565	435	120	291	396
65WQW30-25-5.5	65	30	25	2940	5.5	10.8	18	87	650	510	123	313	418
65WQW30-35-7.5	65	30	35	2940	7.5	14.3	18	87	690	550	123	313	418
65WQW40-45-11	65	40	45	2950	11	21.8	19	122	765	480	128	346	441
65WQW40-50-15	65	40	50	2950	15	29.3	19	130	805	520	128	346	441
80WQW35-7-1.5	80	35	7	2880	1.5	3.3	45	51	505	390	107	276	401
80WQW40-8-2.2	80	40	8	2880	2.2	4.6	45	55	530	415	107	276	401
80WQW35-13-3	80	35	13	2840	3	6.1	45	49	560	430	130	295	420
80WQW50-12-4	80	50	12	2840	4	7.7	45	43	590	460	130	295	420
80WQW40-22-5.5	80	40	22	2940	5.5	10.8	26	87	660	520	125	325	450
80WQW45-28-7.5	80	45	28	2940	7.5	14.3	26	87	700	560	125	325	450
80WQW60-35-11	80	60	35	2950	11	21.8	32	122	775	490	136	340	490
80WQW60-40-15	80	60	40	2950	15	29.3	32	130	815	530	136	340	490
100WQW50-10-3	100	50	10	2840	3	6.1	55	50	578	458	136	306	456
100WQW60-11-4	100	60	11	2840	4	7.7	55	55	608	488	136	306	456
100WQW65-15-5.5	100	65	15	2940	5.5	10.8	46	92	690	550	143	320	470
100WQW70-17-7.5	100	70	17	2940	7.5	14.3	46	100	730	590	143	320	470
100WQW100-25-11	100	100	25	2950	11	21.8	25	125	775	490	136	340	490
100WQW100-30-15	100	100	30	2950	15	29.3	25	133	815	530	136	340	490
150WQW100-10-5.5	150	100	10	2940	5.5	10.8	60	112	707	567	150	356	556
150WQW140-10-7.5	150	140	10	2940	7.5	14.3	60	120	747	607	150	356	556
150WQW140-15-11	150	140	15	2950	11	21.8	55	128	805	520	168	398	598
150WQW150-20-15	150	150	20	2950	15	29.3	55	136	845	560	168	398	598
200WQW300-7-11	200	300	7	2950	11	21.8	70	132	835	550	199	413	670
200WQW300-10-15	200	300	10	2950	15	29.3	70	140	875	590	199	413	670

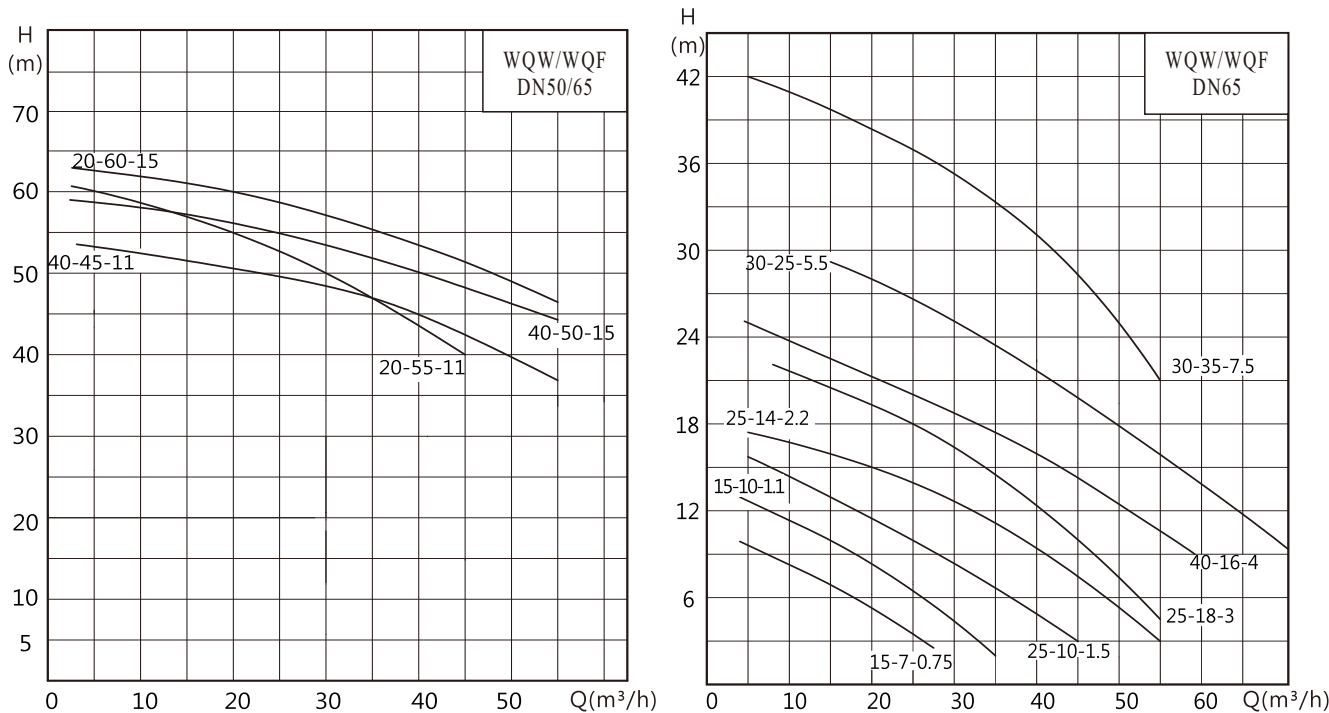
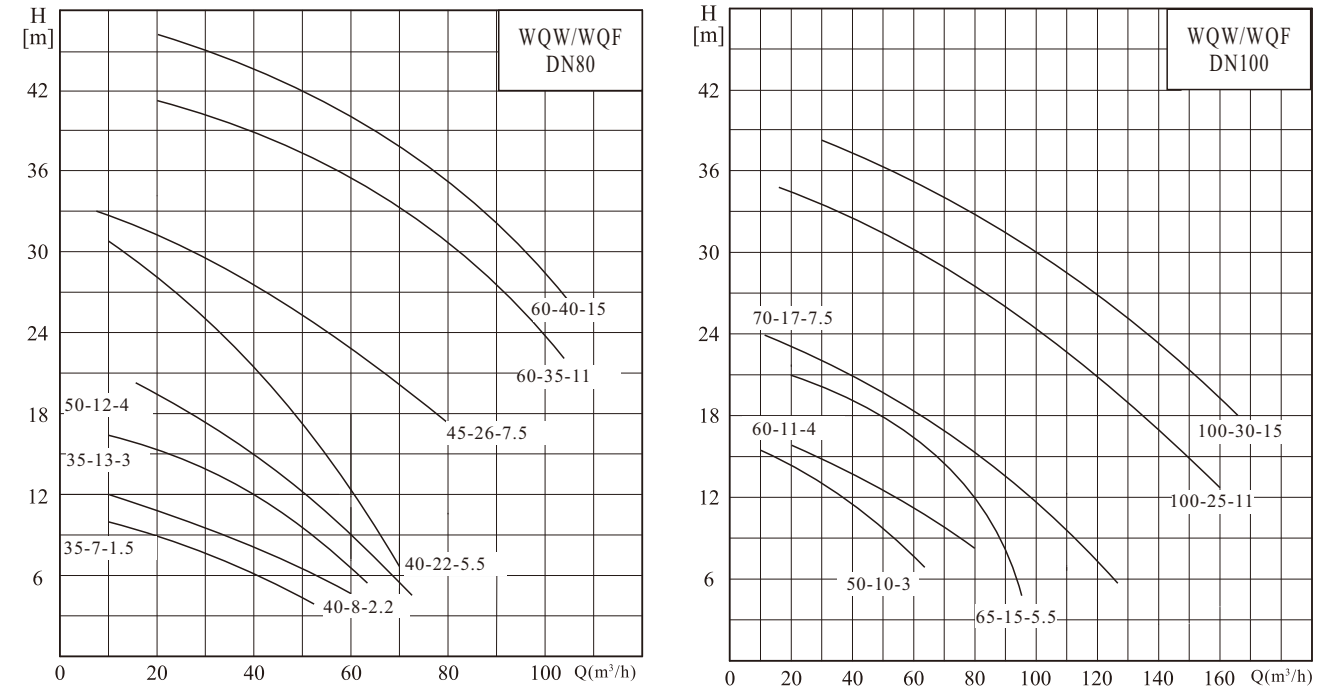
WQW no clogging cut cast iron type

Model	Size of pump pend (DNm)	Q	H	rpm	Power	Current	Max. flow passage	Weight	Overall dimensions (mm)				
	mm	m³/h	m	rpm	kW	A	mm	kg	H	H1	H2	B2	B3
50WQF10-10-0.75	50	10	10	2850	0.75	1.8	20	23	400	300	93	217	312
50WQF15-10-1.1	50	15	10	2850	1.1	2.6	20	27	415	315	93	217	312
50WQF15-15-1.5	50	15	15	2880	1.5	3.3	26	35	493	370	103	250	345
50WQF15-20-2.2	50	15	20	2880	2.2	4.6	26	39	518	390	103	250	345
50WQF15-25-3	50	15	25	2840	3	6.1	23	47	535	405	120	291	386
50WQF15-32-4	50	15	32	2840	4	7.7	18	52	565	435	120	291	386
50WQF25-25-4	50	25	25	2840	4	7.7	23	52	565	435	120	291	386
50WQF18-38-5.5	50	18	38	2940	5.5	10.8	18	86	650	510	123	313	408
50WQF20-42-7.5	50	20	42	2940	7.5	14.3	18	86	690	550	123	313	408
50WQF20-55-11	50	20	55	2950	11	21.8	19	122	765	480	128	346	441
50WQF20-60-15	50	20	60	2950	15	29.3	19	130	805	520	128	346	441
65WQF15-7-0.75	65	15	7	2850	0.75	1.8	20	23	400	300	93	217	312
65WQF15-10-1.1	65	15	10	2850	1.1	2.6	20	29	415	315	93	217	312
65WQF25-10-1.5	65	25	10	2880	1.5	3.3	26	38	493	370	103	250	355
65WQF25-14-2.2	65	25	14	2880	2.2	4.6	26	42	518	390	103	250	355
65WQF25-18-3	65	25	18	2840	3	6.1	26	48	535	405	120	291	396
65WQF40-16-4	65	40	16	2840	4	7.7	26	67	565	435	120	291	396
65WQF30-25-5.5	65	30	25	2940	5.5	10.8	18	87	650	510	123	313	418
65WQF30-35-7.5	65	30	35	2940	7.5	14.3	18	87	690	550	123	313	418
65WQF40-45-11	65	40	45	2950	11	21.8	19	122	765	480	128	346	441
65WQF40-50-15	65	40	50	2950	15	29.3	19	130	805	520	128	346	441
80WQF35-7-1.5	80	35	7	2880	1.5	3.3	45	51	505	390	107	276	401
80WQF40-8-2.2	80	40	8	2880	2.2	4.6	45	55	530	415	107	276	401
80WQF35-13-3	80	35	13	2840	3	6.1	45	49	560	430	130	295	420
80WQF50-12-4	80	50	12	2840	4	7.7	45	43	590	460	130	295	420
80WQF40-22-5.5	80	40	22	2940	5.5	10.8	26	87	660	520	125	325	450
80WQF45-28-7.5	80	45	28	2940	7.5	14.3	26	87	700	560	125	325	450
80WQF60-35-11	80	60	35	2950	11	21.8	32	122	775	490	136	340	490
80WQF60-40-15	80	60	40	2950	15	29.3	32	130	815	530	136	340	490
100WQF50-10-3	100	50	10	2840	3	6.1	55	50	578	458	136	306	456
100WQF60-11-4	100	60	11	2840	4	7.7	55	55	608	488	136	306	456
100WQF65-15-5.5	100	65	15	2940	5.5	10.8	46	92	690	550	143	320	470
100WQF70-17-7.5	100	70	17	2940	7.5	14.3	46	100	730	590	143	320	470
100WQF100-25-11	100	100	25	2950	11	21.8	25	125	775	490	136	340	490
100WQF100-30-15	100	100	30	2950	15	29.3	25	133	815	530	136	340	490
150WQF100-10-5.5	150	100	10	2940	5.5	10.8	60	112	707	567	150	356	556
150WQF140-10-7.5	150	140	10	2940	7.5	14.3	60	120	747	607	150	356	556
150WQF140-15-11	150	140	15	2950	11	21.8	55	128	805	520	168	398	598
150WQF150-20-15	150	150	20	2950	15	29.3	55	136	845	560	168	398	598
200WQF300-7-11	200	300	7	2950	11	21.8	70	132	835	550	199	413	670
200WQF300-10-15	200	300	10	2950	15	29.3	70	140	875	590	199	413	670

Performance date

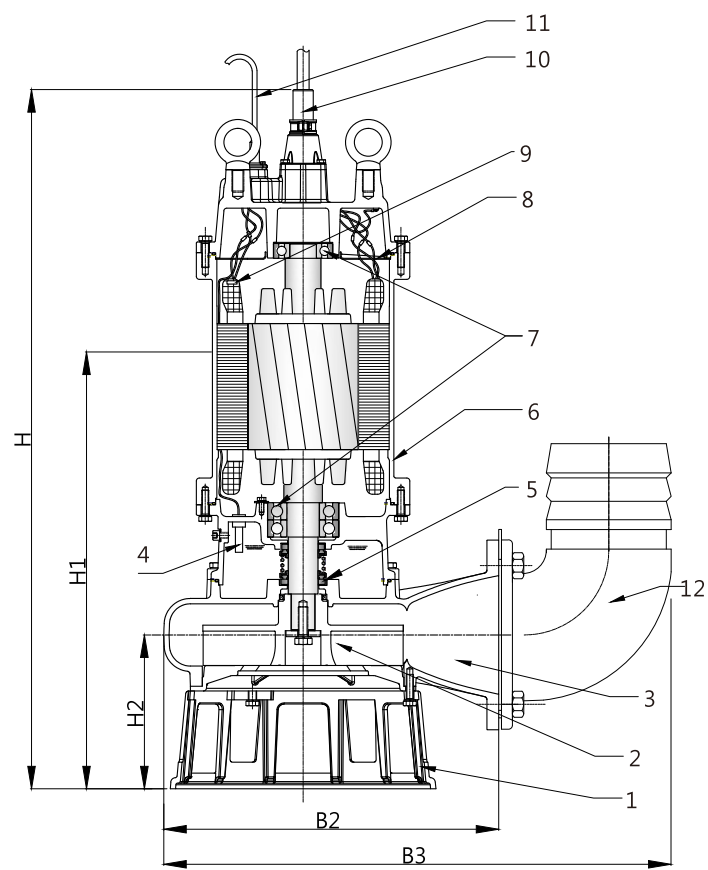


Performance date



Construction and material of 4 pole WQW cast iron pump

Structure drawing of 4pole motor



2.WQW 四极电机铸铁泵结构图明细表

No.	Spare part	Material	No.	Spare part	Material
1	Basement	YZW	7	Bearing	/
2	Impeller	SS304	8	Threading plate	PA66
3	Pump casing	Pa66	9	Thermal protector	/
4	Inlet induction electrode	/	10	Power cable	YZW
5	Mechanical seal	Carbon/SIC/WC	11	Induction cable	YZW
6	Motor	/	12	Counter flange (Optional accessories)	HT200

Operating data and overall dimensions

WQW no clogging cut cast iron type(4pole)

Model	Size of pum pend(DNm)	Q	H	rpm	Power	Current	Max. flow passage	Weight	Overall dimensions (mm)				
	mm	m³/h	m	rpm	kW	A	mm	kg	H	H1	H2	B2	B3
100WQW80-35-18.5	100	80	35	1450	18.5	35.6	30	290	1100	710	244	545	696
100WQW100-35-22	100	100	35	1450	22	43.2	30	300	1100	710	244	545	696
100WQW100-45-30	100	100	45	1460	30	57.5	30	320	1150	750	244	545	696
150WQW180-20-18.5	150	180	20	1450	18.5	35.6	50	295	1140	750	258	523	725
150WQW180-25-22	150	180	25	1450	22	43.2	50	305	1140	750	258	523	725
150WQW200-28-30	150	200	28	1460	30	57.5	55	325	1190	800	258	523	725
150WQW150-35-37	150	150	35	1470	37	72	55	590	1300	900	280	622	825
150WQW200-35-45	150	200	35	1470	45	87	55	630	1300	900	280	622	825
150WQW200-45-55	150	200	45	1480	55	106	55	790	1600	1200	330	750	950
150WQW200-50-75	150	200	50	1480	75	142	55	850	1600	1200	330	750	950
200WQW300-12-18.5	200	300	12	1450	18.5	35.6	60	300	1150	750	260	566	826
200WQW300-15-22	200	300	15	1450	22	43.2	60	310	1150	750	260	566	826
200WQW400-10-22	200	400	10	1450	22	43.2	60	310	1150	750	260	566	826
200WQW250-22-30	200	250	22	1460	30	57.5	45	330	1200	810	260	566	826
200WQW400-15-30	200	400	15	1460	30	57.5	45	330	1200	810	260	566	826
200WQW300-26-37	200	300	26	1470	37	72	45	610	1300	900	358	699	960
200WQW400-22-37	200	400	22	1470	37	72	45	610	1300	900	258	699	960
200WQW400-25-45	200	400	25	1470	45	87	60	650	1300	900	258	699	960
200WQW400-30-55	200	400	30	1480	55	106	60	810	1600	1200	330	770	1000
200WQW350-40-75	200	350	40	1480	75	142	60	870	1600	1200	330	770	1000
200WQW500-30-75	200	500	30	1480	75	142	60	870	1600	1200	330	770	1000
250WQW400-15-30	250	400	15	1460	30	57.5	60	342	690	550	262	632	962
250WQW500-15-37	250	500	15	1470	37	72	60	630	1350	950	300	750	1080
250WQW600-15-45	250	600	15	1470	45	87	60	670	1350	950	300	750	1080
250WQW500-23-55	250	500	23	1480	55	106	60	810	1650	1250	320	820	1150
250WQW600-28-75	250	600	28	1480	75	142	60	880	1650	1250	320	820	1150
300WQW600-9-30	300	600	9	1460	30	57.5	60	350	690	550	262	687	1090
300WQW600-12-37	300	600	12	1470	37	72	60	650	1370	970	292	720	1120
300WQW800-12-45	300	800	12	1470	45	87	60	690	1370	970	292	720	1120
300WQW600-20-55	300	600	20	1480	55	106	55	830	1680	1280	320	850	1250
300WQW800-20-75	300	800	20	1480	75	142	60	905	1680	1280	320	850	1250

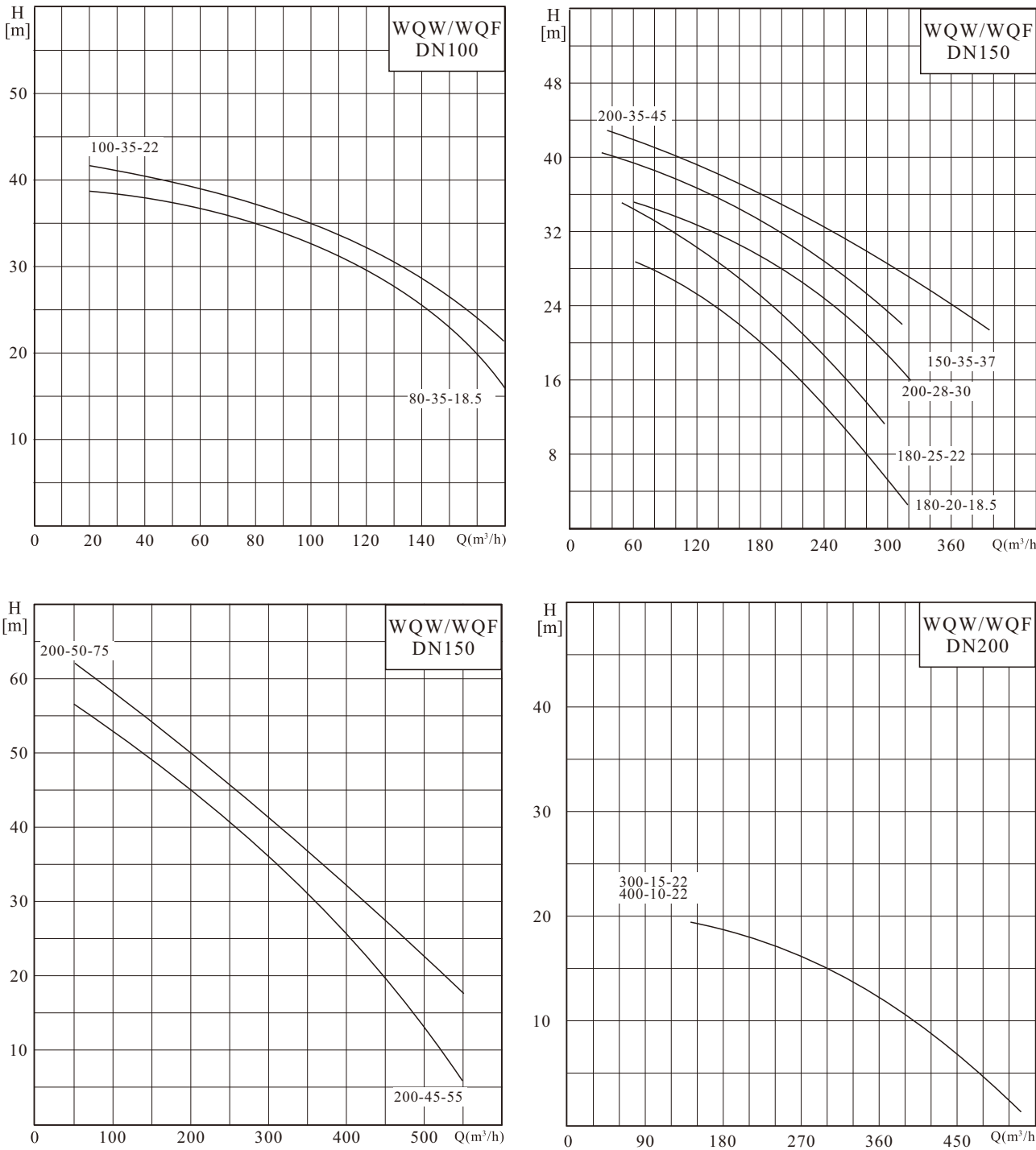
WQF no clogging cut stainless steel type(4pole)

Model	Size of pump pend(DNm)	Q	H	rpm	Power	Current	Max. flow passage	Weight	Overall dimensions (mm)				
	mm	m³/h	m	rpm	kW	A	mm	kg	H	H1	H2	B2	B3
100WQF80-35-18.5	100	80	35	1450	18.5	35.6	30	290	1100	710	244	545	696
100WQF100-35-22	100	100	35	1450	22	43.2	30	300	1100	710	244	545	696
100WQF100-45-30	100	100	45	1460	30	57.5	30	320	1150	750	244	545	696
150WQF180-20-18.5	150	180	20	1450	18.5	35.6	50	295	1140	750	258	523	725
150WQF180-25-22	150	180	25	1450	22	43.2	50	305	1140	750	258	523	725
150WQF200-28-30	150	200	28	1460	30	57.5	55	325	1190	800	258	523	725
150WQF150-35-37	150	150	35	1470	37	72	55	590	1300	900	280	622	825
150WQF200-35-45	150	200	35	1470	45	87	55	630	1300	900	280	622	825
200WQF300-12-18.5	200	300	12	1450	18.5	35.6	60	300	1150	750	260	566	826
200WQF300-15-22	200	300	15	1450	22	43.2	60	310	1150	750	260	566	826
200WQF250-22-30	200	250	22	1460	30	57.5	45	330	1200	810	260	566	826
200WQF400-22-37	200	400	22	1470	37	72	45	610	1300	900	280	622	875
200WQF400-25-45	200	400	25	1470	45	87	60	650	1300	900	280	622	875
250WQF400-15-30	250	400	15	1460	30	57.5	60	342	690	550	123	313	418
250WQF500-15-37	250	500	15	1470	37	72	60	630	1350	950	300	670	1000
250WQF600-15-45	250	600	15	1470	45	87	60	670	1350	950	300	670	1000
300WQF500-15-37	300	500	15	1470	37	72	60	650	1370	970	280	720	1090
300WQF600-18-45	300	600	18	1470	45	87	60	690	1370	970	280	720	1090

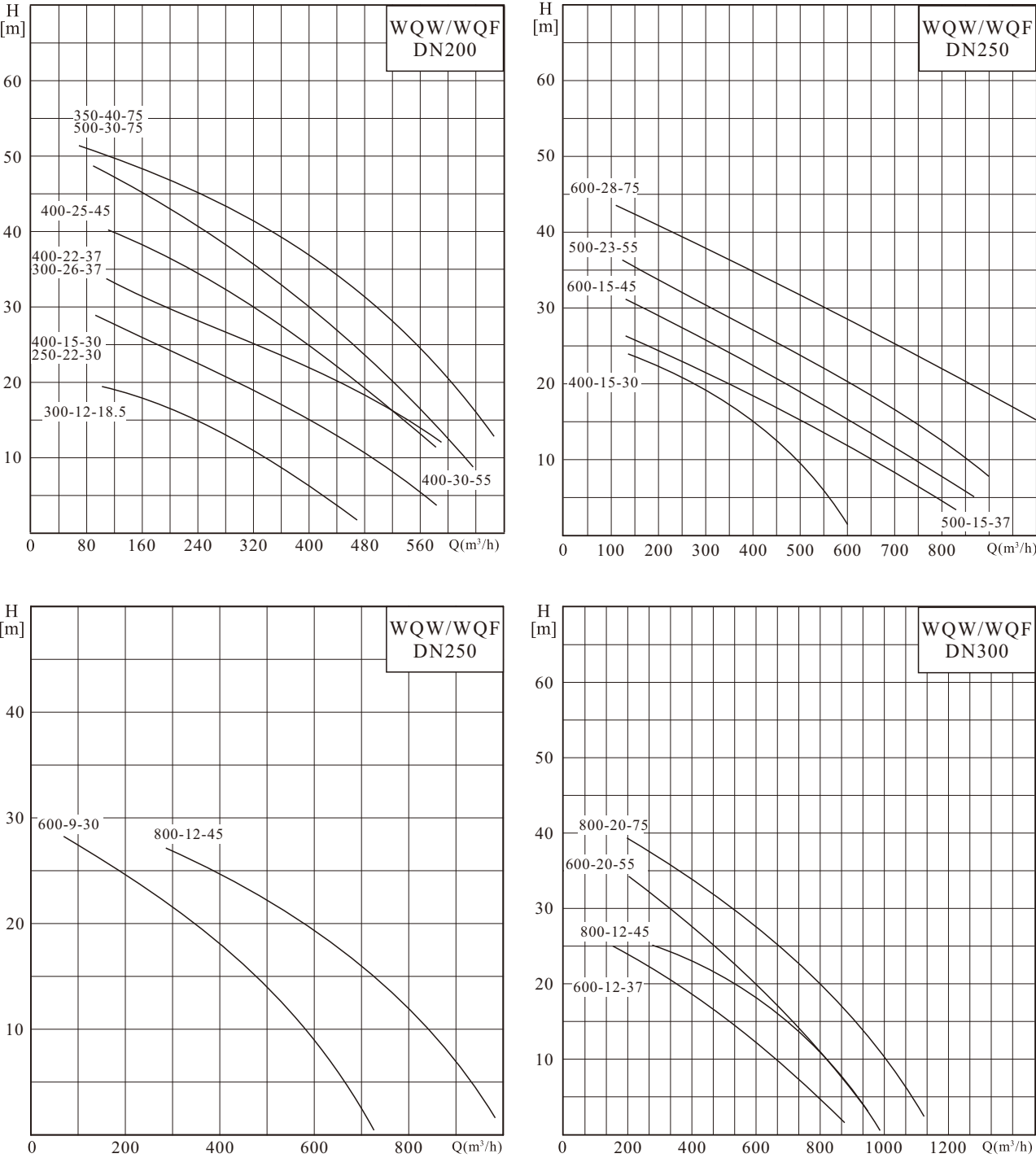
WQF stainless steel type automatic coupling mounting dimension drawing

Pump outlet diameter Item	50	65	80	100	150	200	250	300
Guide pipe dimensions	1"×(φ 30×2)		1.5"×(φ 45×2)				2"×(φ 55×2. 5)	
Guide pipe length (mm)	池深-80							
Specification and quantity of expansion bolts	M12×80×2				M14×100×2		M16×120×2	
Specification and quantity of anchor bolts	M16×250×4						M20×300×4	
Size of hole reserved for anchor bolt	80×80×300						100×100×350	
Inner diameter of rubber hose (mm)	50	65	80	100	150	200	250	300

Performance date

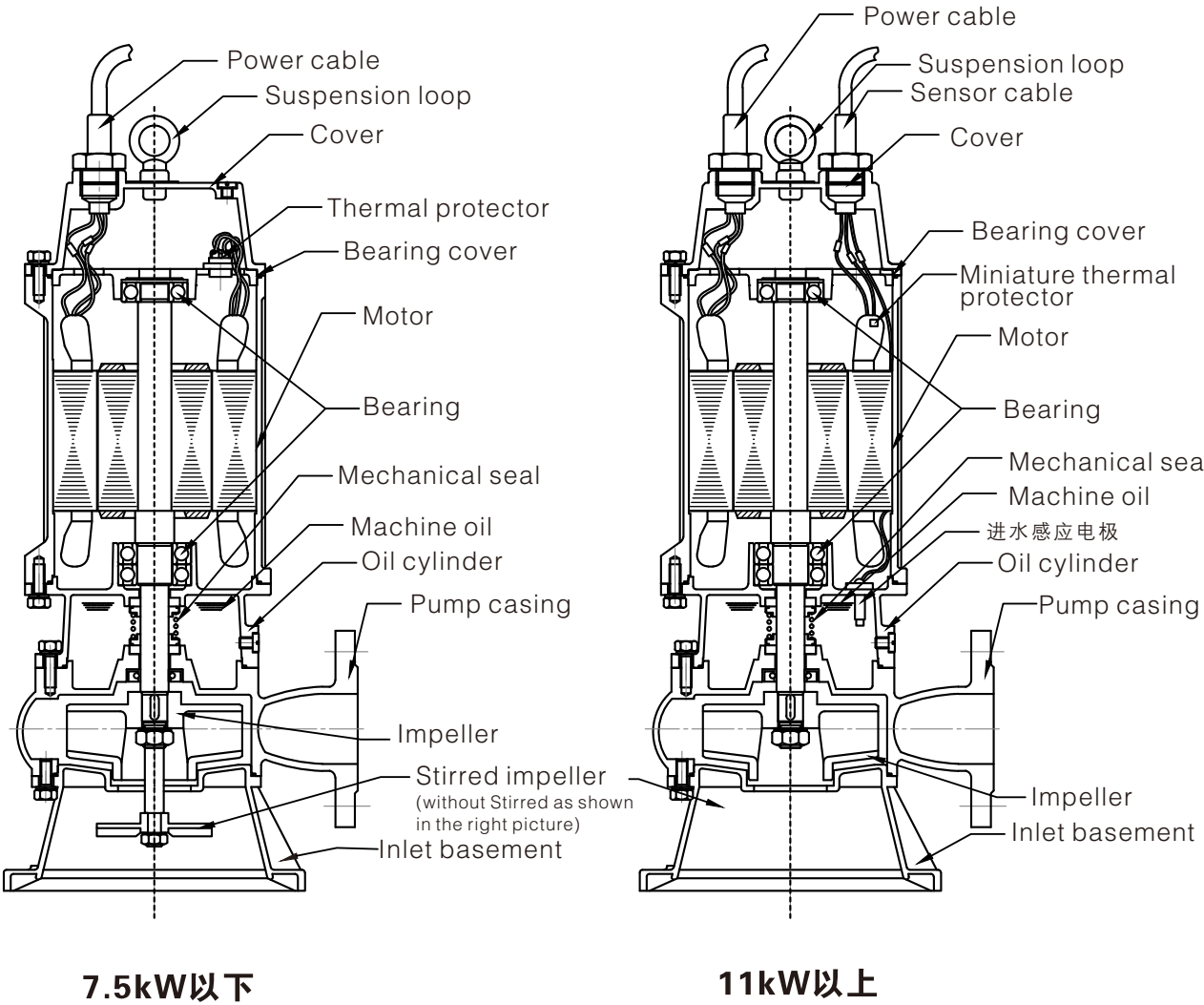


Performance date

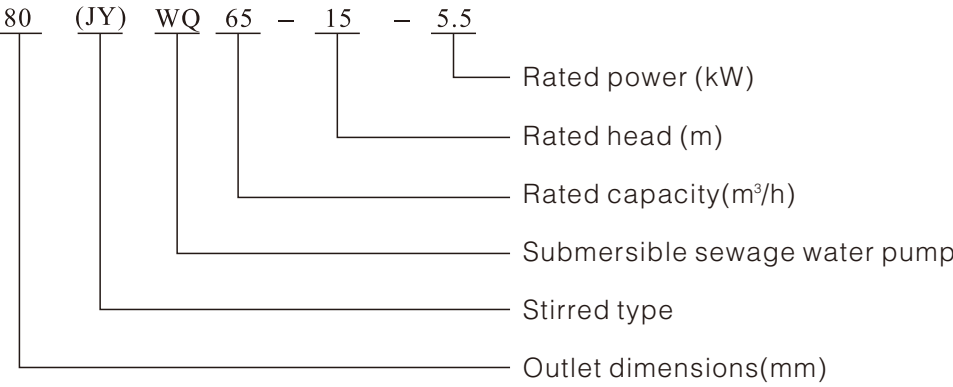


WQ submersible sewage water pump

Construction



Model definition



Operating data and overall dimensions

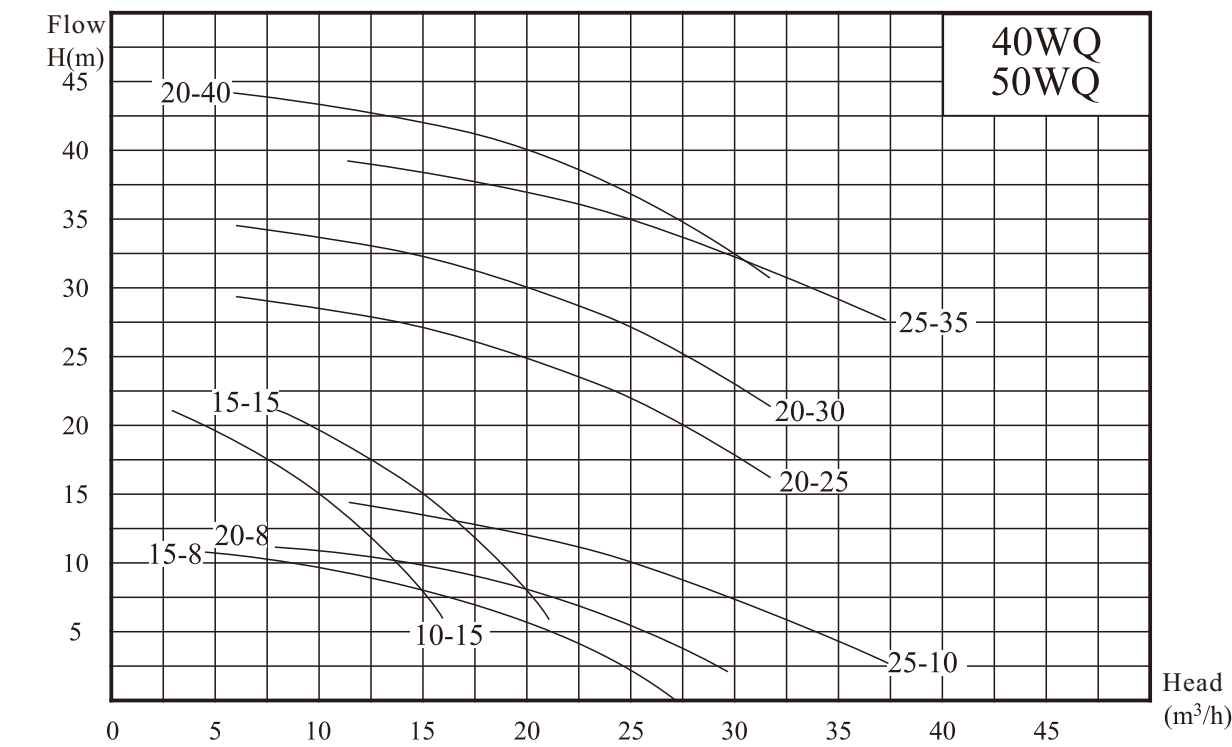
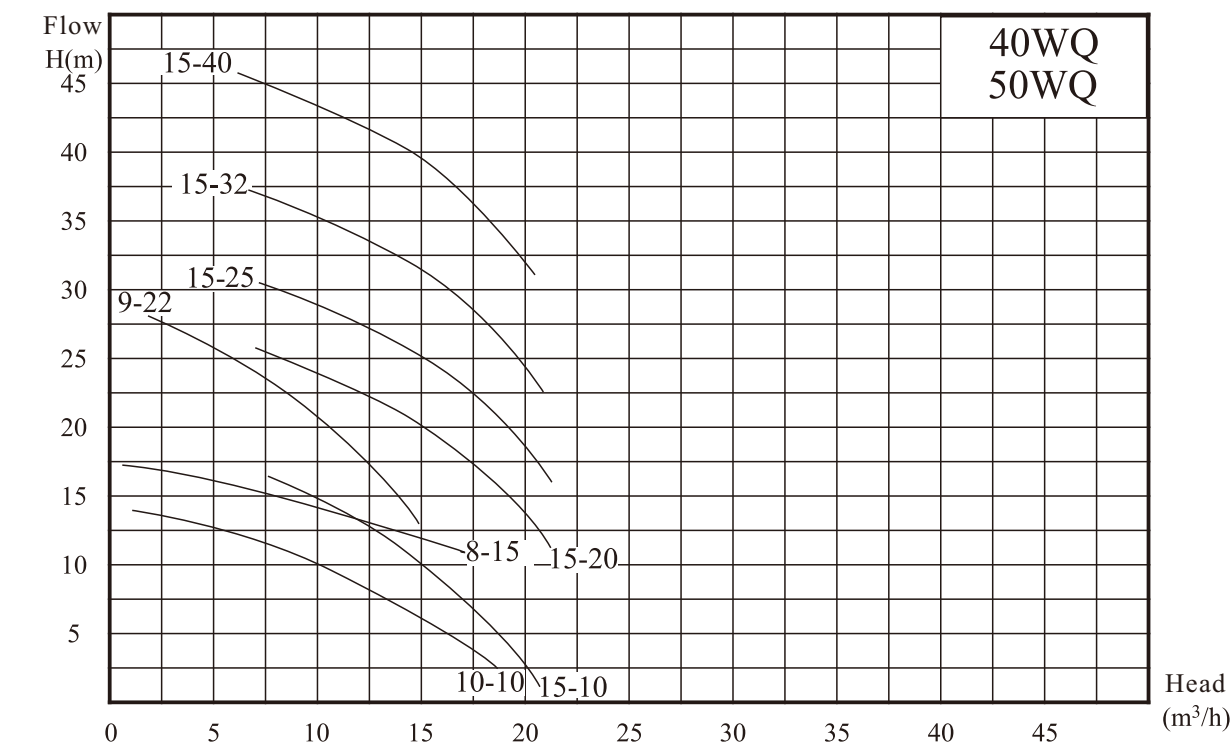
Diameter (mm)	Model	Flow m³/h	Head m	Speed rpm	功率 kW	Overall dimensions mm					
						H	H ₁	B ₃	B ₂	D ₂	d
40	40WQ10-10-0.75	10	10	2860	0.75	350	300	320	230	190	40
	40WQ8-15-1.1	8	15	2860	1.1	350	300	320	230	190	40
	40WQ12-15-1.5	12	15	2860	1.5	540	490	330	240	190	40
50	50WQ10-10-0.75	10	10	2860	0.75	500	450	320	230	190	50
	50WQ15-8-1.1	15	8	2860	1.1	500	450	320	230	190	50
	50WQ8-15-1.1	8	15	2860	1.1	500	450	320	230	190	50
	50WQ15-10-1.5	15	10	2860	1.5	500	450	330	240	200	50
	50WQ10-15-1.5	10	15	2860	1.5	500	450	330	240	200	50
	50WQ15-15-2.2	15	15	2860	2.2	540	490	340	250	200	50
	50WQ25-10-2.2	25	10	2860	2.2	540	490	340	250	200	50
	50WQ9-22-2.2	9	22	2860	2.2	540	490	340	250	200	50
	50WQ20-18-2.2	20	18	2860	2.2	540	490	340	250	200	50
	50WQ15-20-2.2	15	20	2860	2.2	540	490	340	250	200	50
	50WQ20-25-3	20	25	2860	3	580	530	350	260	210	50
	50WQ15-25-3	15	30	2860	3	580	530	350	260	210	50
	50WQ15-32-4	15	35	2860	4	650	600	360	270	250	50
	50WQ15-40-5.5	15	40	2860	5.5	680	630	390	300	250	50
	50WQ20-30-5.5	20	30	2860	5.5	680	630	390	300	250	50
	50WQ20-40-7.5	20	40	2860	7.5	680	630	370	280	250	50
	50WQ25-35-7.5	25	35	2860	7.5	680	630	370	280	250	50
65	65WQ25-7-1.5	25	7	2860	1.5	550	450	330	230	200	65
	65WQ35-7-2.2	35	7	2860	2.2	550	500	350	250	230	65
	65WQ25-10-2.2	25	10	2860	2.2	550	500	350	250	200	65
	65WQ25-15-3	25	15	2860	3	620	570	350	250	200	65
	65WQ37-13-3	37	13	2860	3	620	570	350	250	200	65
	65WQ40-10-3	40	10	2860	3	620	570	350	250	200	65
	65WQ20-25-4	20	25	2860	4	650	600	370	270	240	65

Diameter (mm)	Model	Flow m³/h	Head m	Speed rpm	功率 kW	Overall dimensions mm					
						H	H ₁	B ₃	B ₂	D ₂	d
65	65WQ30-30-5.5	30	30	2860	5.5	710	660	370	270	250	65
	65WQ20-40-7.5	20	40	2860	7.5	800	760	450	350	250	65
	65WQ20-60-11	20	60	2860	11	1000	950	630	530	270	65
80	80WQ45-9-2.2	45	9	2860	2.2	550	500	380	270	230	76
	80WQ40-12-3	40	12	2860	3	620	570	380	270	200	76
	80WQ40-15-4	40	15	2860	4	680	630	450	340	230	76
	80WQ50-10-4	50	10	2860	4	680	630	450	340	230	76
	80WQ65-15-5.5	65	15	2860	5.5	730	680	440	330	250	76
	80WQ40-22-5.5	40	22	2860	5.5	820	770	460	350	250	76
	80WQ40-30-7.5	40	30	2860	7.5	820	770	460	350	360	76
	80WQ40-45-11	40	45	2860	11	850	780	500	390	360	76
100	100WQ40-8-2.2	40	8	2860	2.2	550	500	430	270	230	100
	100WQ50-7-2.2	50	7	2860	2.2	550	500	430	270	230	100
	100WQ60-9-3	60	9	2860	3	600	550	430	270	230	100
	100WQ65-10-4	65	10	2860	4	680	630	480	320	230	100
	100WQ65-15-5.5	65	15	2860	5.5	730	680	480	320	250	100
	100WQ65-20-7.5	65	20	2860	7.5	850	800	480	320	360	100
	100WQ80-25-11	80	25	1450	11	1000	950	710	550	420	100
	100WQ80-30-15	80	30	1450	15	1020	920	710	550	420	100
	100WQ80-35-18.5	80	35	1450	18.5	1060	950	710	550	420	100
	100WQ45-22-7.5	45	22	2860	7.5	800	750	480	320	360	100
	100WQ100-6-4	100	6	2860	4	680	630	470	310	230	100
	100WQ100-10-5.5	100	10	2860	5.5	730	680	480	320	250	100
	100WQ100-15-7.5	100	15	2860	7.5	800	750	480	320	360	100
	100WQ80-15-7.5	80	15	2860	7.5	800	750	480	320	360	100
	100WQ100-25-11	100	25	1450	11	940	900	710	550	420	100
	100WQ100-30-15	100	30	1450	15	970	920	710	550	420	100
	100WQ100-35-18.5	100	35	1450	18.5	990	950	710	550	420	100
150	150WQ100-7-5.5	100	7	2860	5.5	800	750	550	350	250	150
	150WQ145-9-7.5	145	9	2860	7.5	800	750	550	350	360	150
	150WQ100-10-7.5	100	10	2860	7.5	800	750	550	350	360	150
	150WQ150-12-11	150	12	1450	11	1050	1000	820	620	420	150
	150WQ180-15-15	180	15	1450	15	1050	1000	820	620	420	150
	150WQ180-20-18.5	180	20	1450	18.5	1080	1030	820	620	420	150
	150WQ150-24-18.5	150	24	1450	18.5	1080	1030	820	620	420	150
	150WQ180-25-22	180	25	1450	22	1080	1030	820	620	420	150

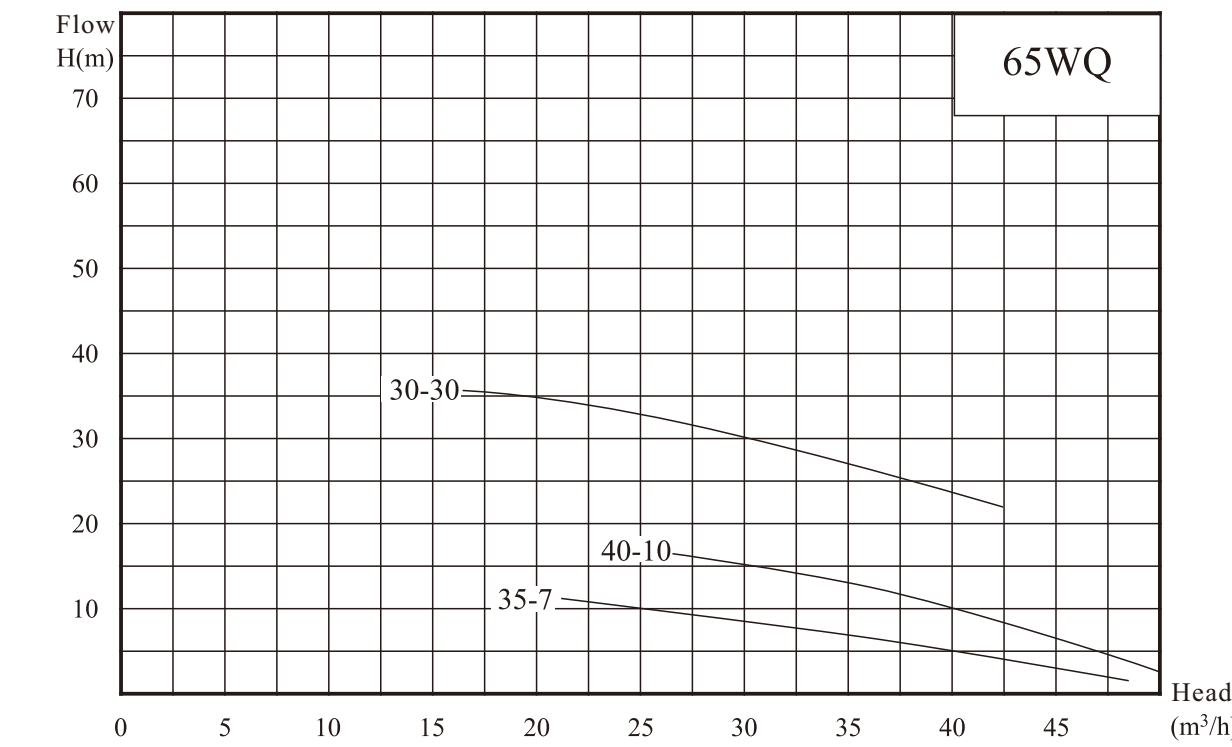
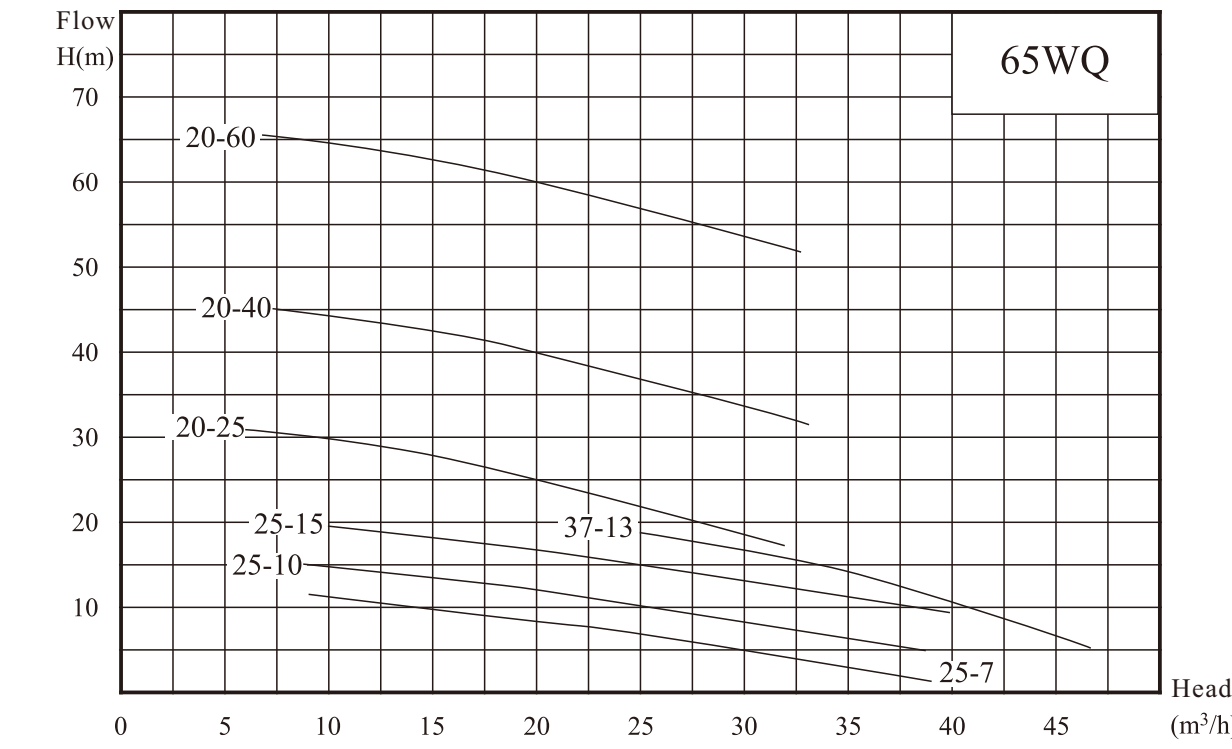
Diameter (mm)	Model	Flow m³/h	Head m	Speed rpm	功率 kW	Overall dimensions mm					
						H	H ₁	B ₃	B ₂	D ₂	d
150	150WQ200-10-15	200	10	1450	15	1050	1000	820	620	420	150
	150WQ200-15-18.5	200	15	1450	18.5	1080	1030	820	620	420	150
	150WQ200-20-22	200	20	1450	22	1080	1030	820	620	420	150
	150WQ200-25-30	200	25	1450	30	1240	980	850	650	470	150
	150WQ200-30-37	200	30	1450	37	1240	980	850	650	470	150
	150WQ150-35-37	150	35	1450	37	1240	980	850	650	470	150
	150WQ180-40-45	180	40	1450	45	1290	1030	850	650	470	150
200	200WQ300-7-11	300	7	1450	11	1120	1070	890	610	420	200
	200WQ300-8-15	300	8	1450	15	1060	900	890	610	420	200
	200WQ250-11-15	250	11	1450	15	1120	1070	890	610	420	200
	200WQ250-15-18.5	250	15	1450	18.5	1020	800	890	610	420	200
	200WQ300-9-18.5	300	9	1450	18.5	1020	800	890	610	420	200
	200WQ400-10-22	400	10	1450	22	1070	850	890	610	420	200
	200WQ300-15-22	300	15	1450	22	1070	850	890	610	420	200
	200WQ250-22-30	250	22	1450	30	1240	980	900	620	470	200
	200WQ360-15-30	360	15	1450	30	1240	980	900	620	470	200
	200WQ400-13-30	400	13	1450	30	1240	980	900	620	470	200
	200WQ300-20-37	300	20	1450	37	1240	980	900	620	470	200
	200WQ350-25-37	350	25	1450	37	1240	980	900	620	470	200
	200WQ400-18-37	400	18	1450	37	1240	980	900	620	470	200
	200WQ250-35-45	250	35	1450	45	1290	1030	900	620	470	200
	200WQ400-25-45	400	25	1450	45	1290	1030	900	620	470	200
	200WQ250-40-55	250	40	1450	55	1450	1050	1050	770	560	200
	200WQ400-30-55	400	30	1450	55	1450	1050	1050	770	560	200
	200WQ350-40-75	350	40	1450	75	1520	1120	1050	770	560	200
250	250WQ600-9-30	600	9	1450	30	1300	1050	980	640	470	250
	250WQ600-12-37	600	12	1450	37	1300	1050	980	640	470	250
	250WQ800-12-45	800	12	1450	45	1350	1100	980	640	470	250
	250WQ600-15-45	600	15	1450	45	1350	1100	980	640	470	250
	250WQ600-20-55	600	20	1450	55	1450	1050	1210	870	560	250
	250WQ600-25-75	600	25	1450	75	1520	1120	1210	870	560	250
	250WQ600-30-90	600	30	1450	90	1570	1170	1210	870	560	250
300	300WQ800-8-37	800	8	950	37	1400	1150	1200	800	470	300
	300WQ500-15-45	500	15	950	45	1450	1200	1200	800	470	300
	300WQ800-12-45	800	12	950	45	1450	1200	1200	800	470	300
	300WQ600-20-55	600	20	950	55	1480	1080	1270	870	560	300

Diameter (mm)	Model	Flow m³/h	Head m	Speed rpm	功率 kW	Overall dimensions mm					
						H	H ₁	B ₃	B ₂	D ₂	d
300	300WQ800-20-75	800	20	1450	75	1520	1120	1270	870	560	300
	300WQ950-20-90	950	20	1450	90	1570	1170	1270	870	560	300
	300WQ1000-25-110	1000	25	1450	110	2200	2100	1900	1500	600	300
350	350WQ1500-7-45	1500	7	950	45	2100	2100	1880	1380	500	350
	350WQ1100-10-55	1100	10	950	55	2150	2100	1880	1380	560	350
	350WQ1200-13-75	1200	13	950	75	2150	2100	1900	1400	560	350
	350WQ1300-10-75	1300	10	950	75	2150	2100	1900	1400	560	350
	350WQ1200-15-90	1200	15	950	90	2190	2150	1950	1450	560	350
	350WQ1130-18-90	1130	18	950	90	2190	2150	1950	1450	560	350
	350WQ1250-20-110	1250	20	740	110	2240	2240	1950	1450	600	350
	350WQ1500-20-132	1500	20	740	132	2480	2480	1980	1480	650	350
400	350WQ1500-26-160	1500	26	950	160	2590	2590	1980	1480	700	350
	400WQ1800-10-75	1800	10	590	75	2000	2000	2000	1400	600	400
	400WQ1700-12-90	1700	12	740	90	2280	2280	2000	1400	600	400
	400WQ1900-12-110	1900	12	950	110	2280	2280	2050	1450	600	400
	400WQ2000-15-132	2000	15	740	132	2600	2600	2050	1450	700	400
	400WQ1500-26-160	1500	26	950	160	2600	2600	2100	1500	700	400
	400WQ1700-22-160	1700	22	950	160	2600	2600	2100	1500	700	400
	400WQ2000-18-160	2000	18	740	160	2600	2600	2100	1500	700	400
	400WQ1950-23-185	1950	23	950	185	2700	2700	2150	1550	700	400
	400WQ1980-26-220	1980	26	950	220	3000	3000	2200	1600	700	400
	400WQ1800-32-250	1800	32	950	250	3200	3200	2200	1600	700	400
450	450WQ2300-10-90	2300	10	390	90	2250	2250	2100	1350	600	450
	450WQ2260-14-132	2260	14	740	132	2350	2350	2150	1400	700	450
	450WQ2280-20-185	2280	20	740	185	2420	2420	2200	1450	700	450
500	500WQ2500-10-110	2500	10	590	110	2250	2250	2150	1600	600	500
	500WQ2500-12-132	2500	12	590	132	2450	2450	2200	1600	600	500
	500WQ2500-16-160	2500	16	740	160	2650	2630	2200	1600	700	500
	500WQ2500-18-185	2500	18	740	185	3000	3000	2250	1650	700	500
600	600WQ5400-8-185	5400	8	740	185	3200	3200	2400	1650	700	600
	600WQ4000-12-200	4000	12	740	200	3300	3300	2450	1650	700	600
	600WQ3550-15-200	3550	15	740	200	3300	3300	2450	1650	700	600

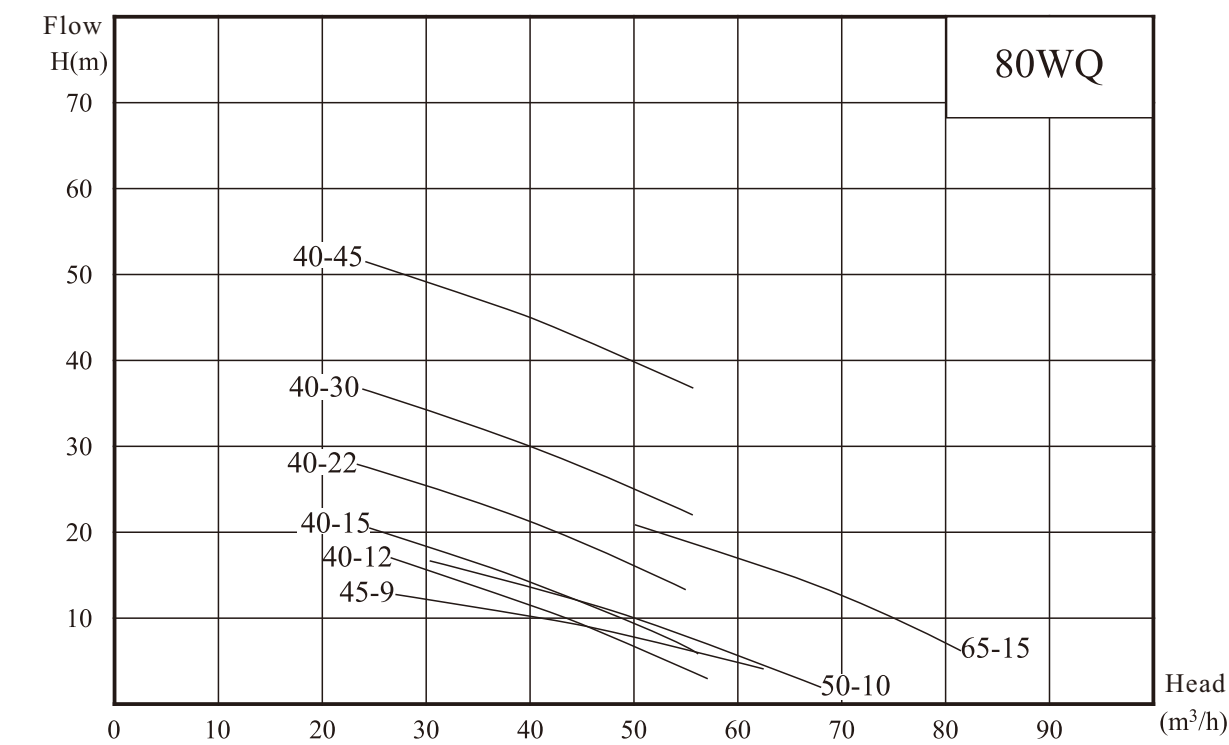
Performance date



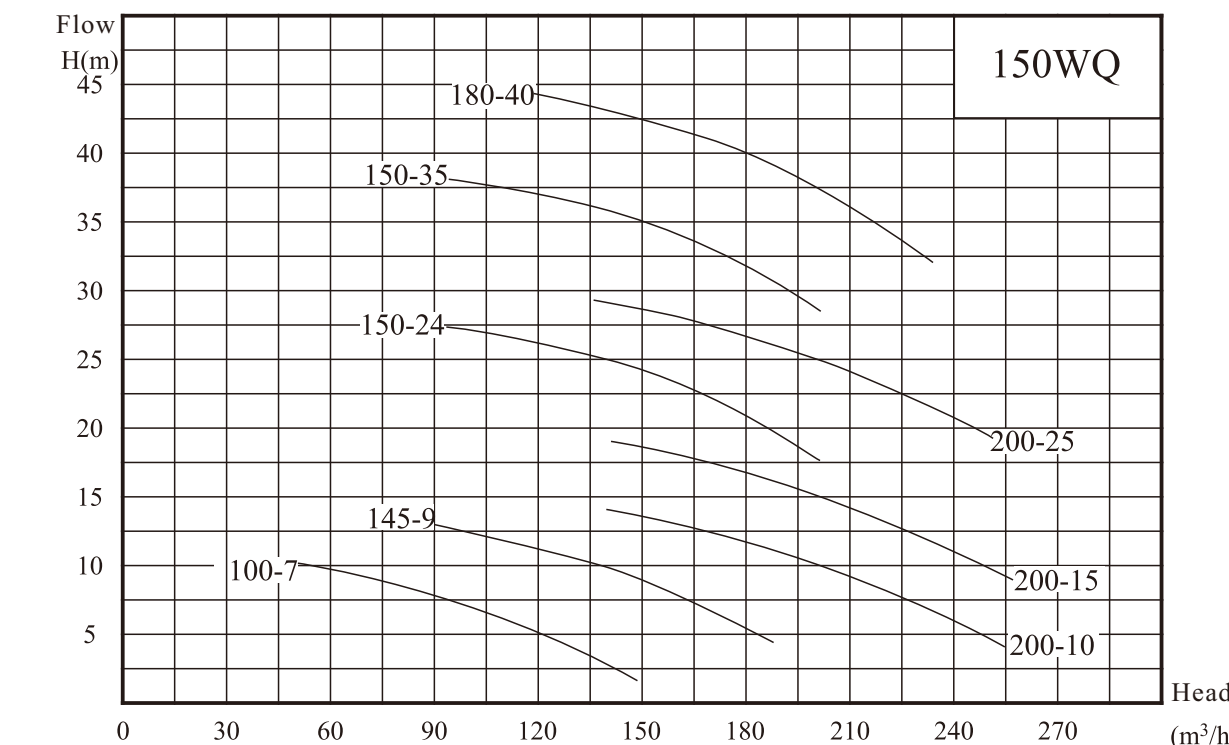
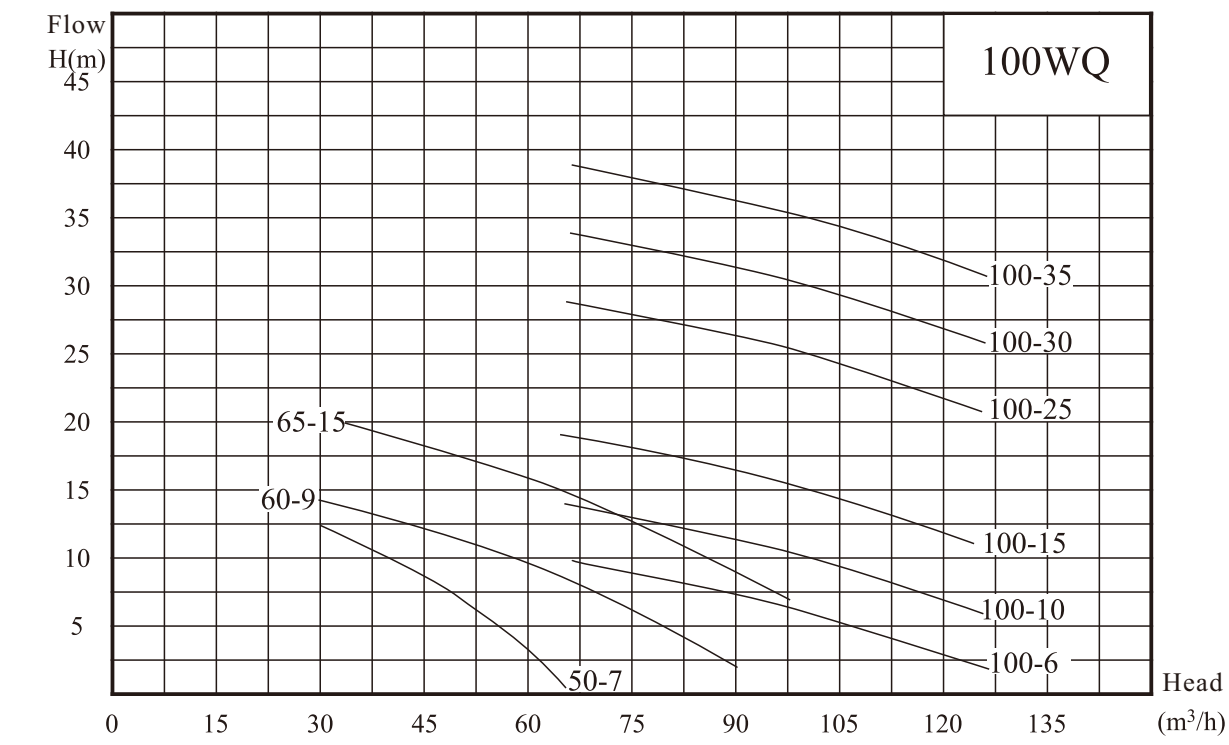
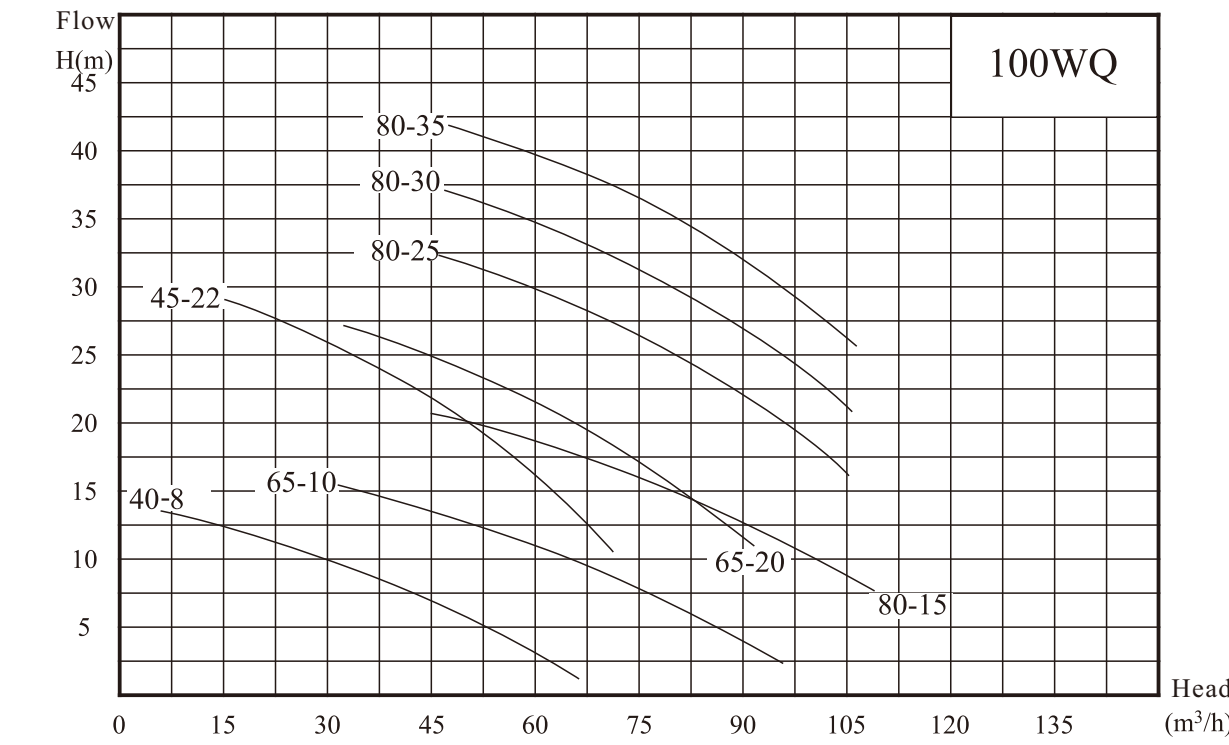
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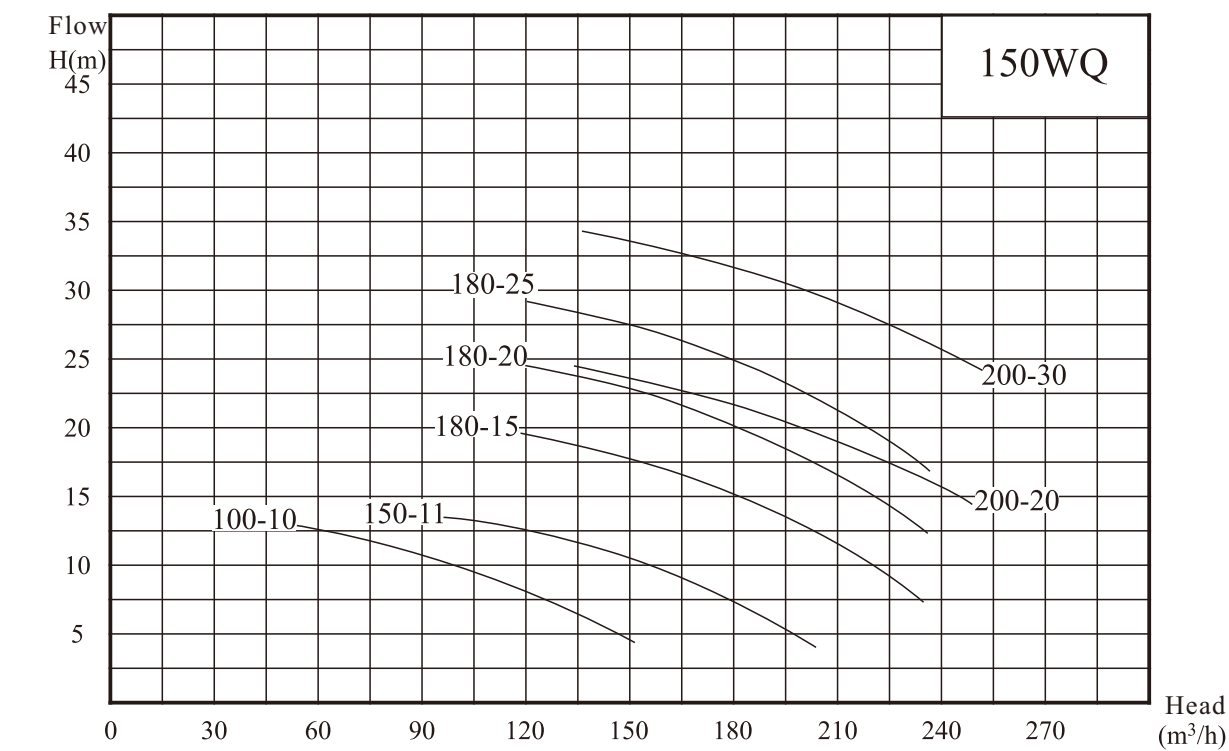
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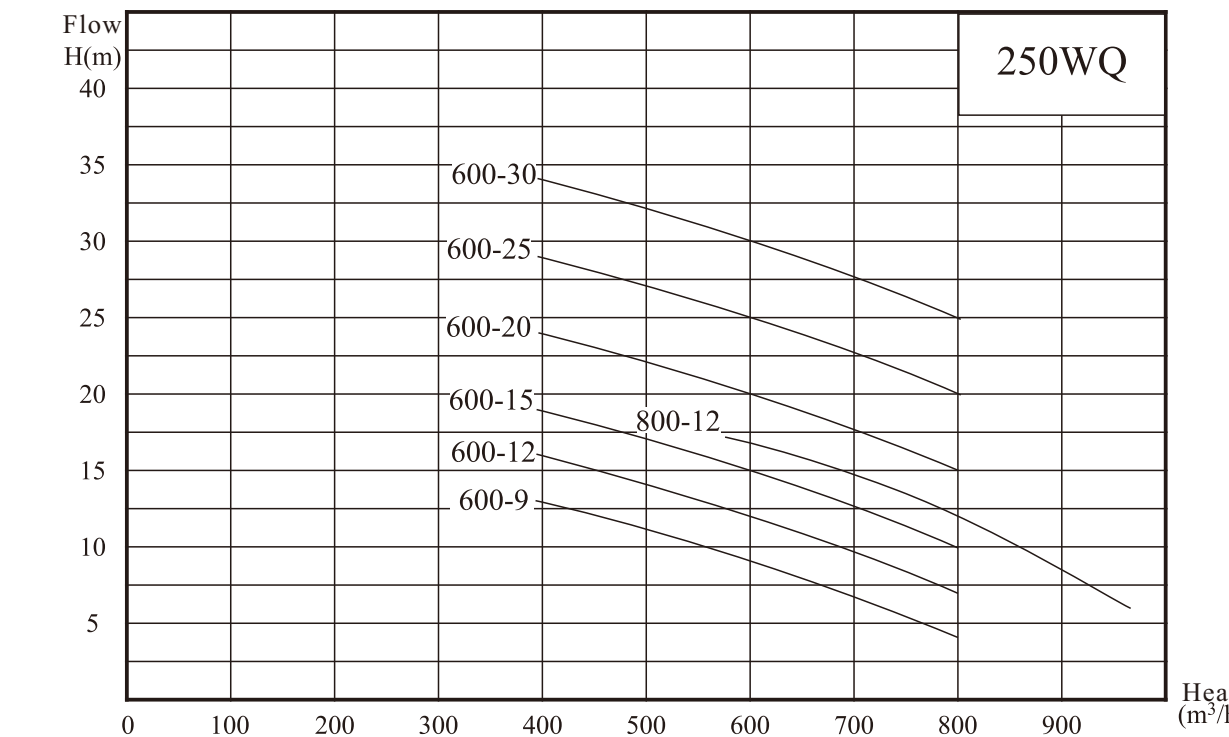
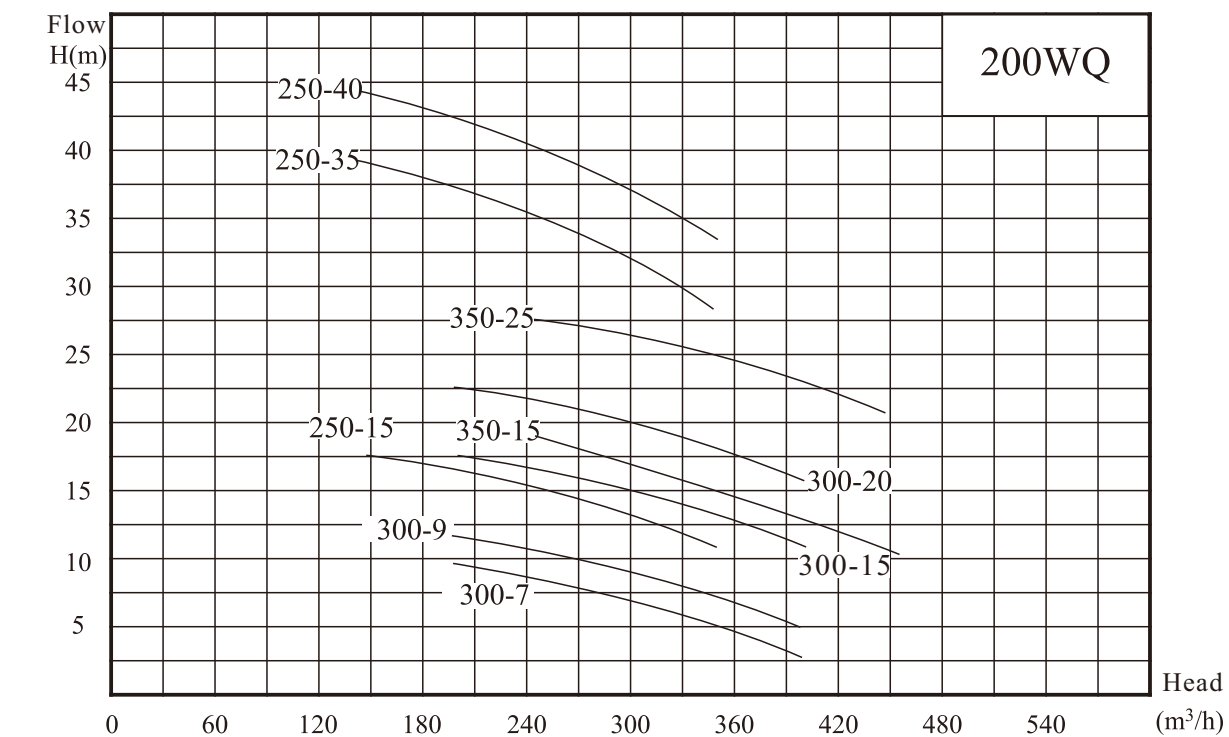
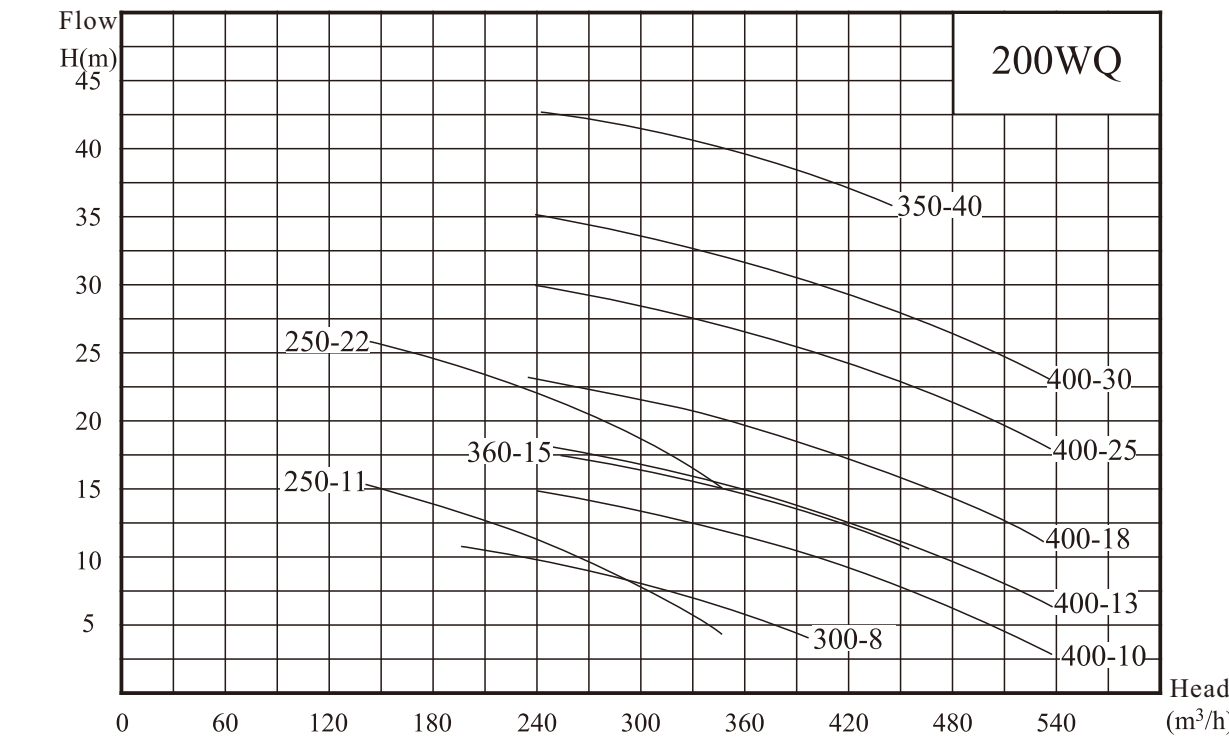
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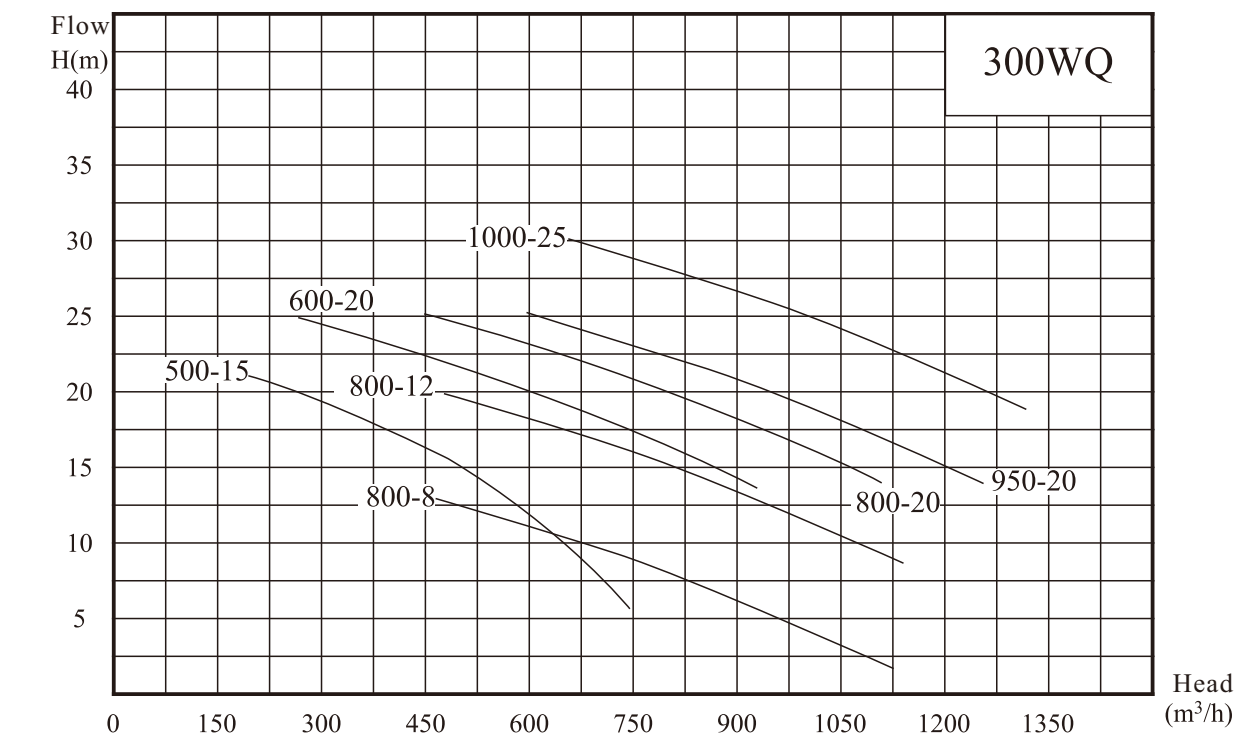
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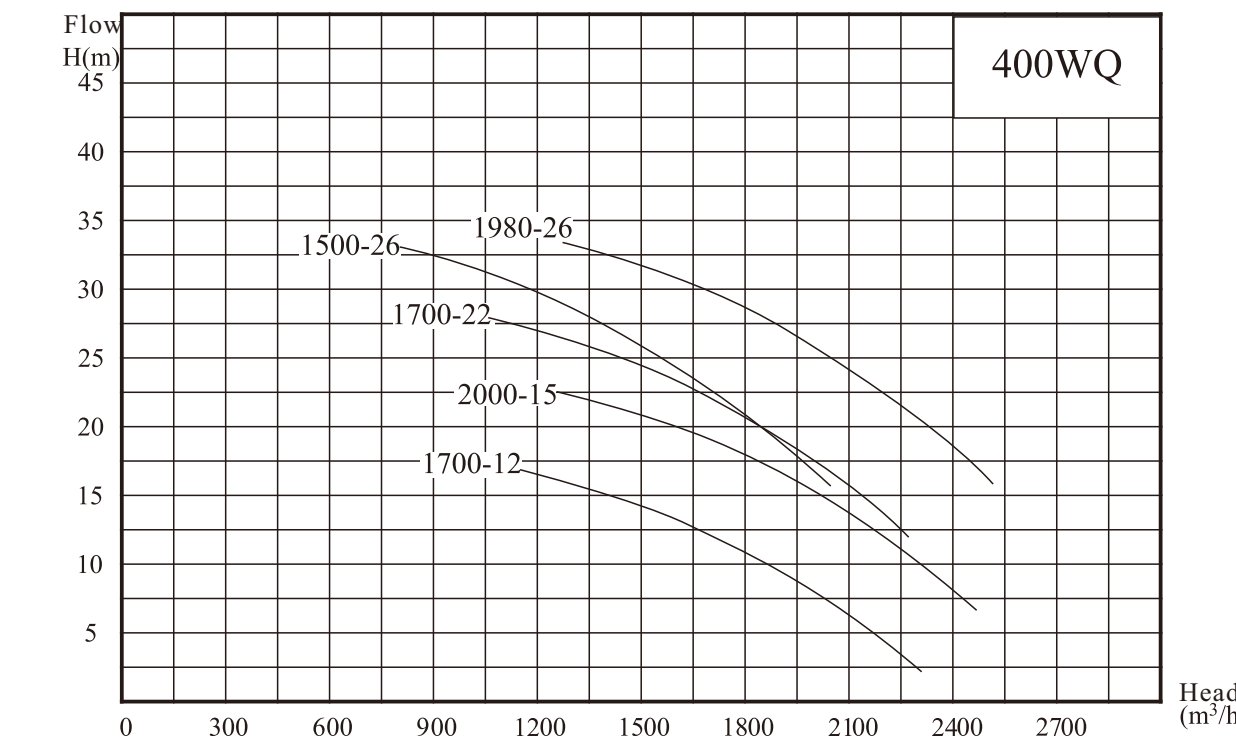
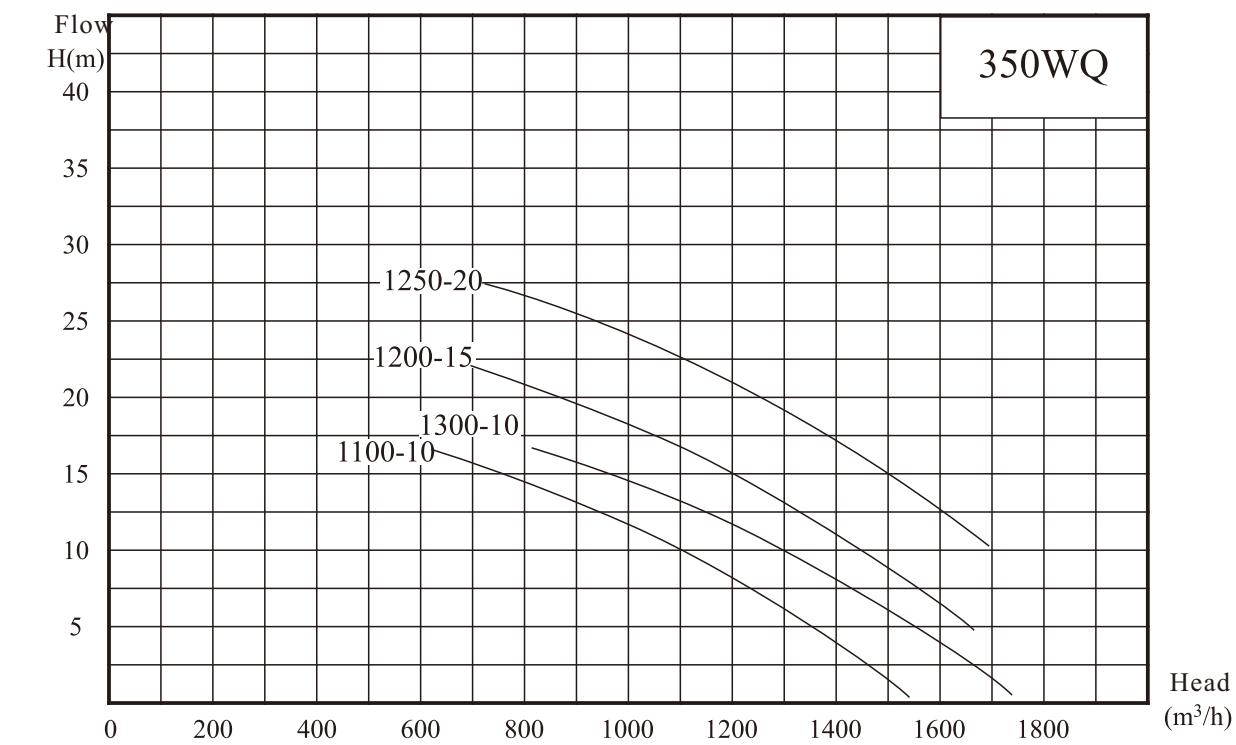
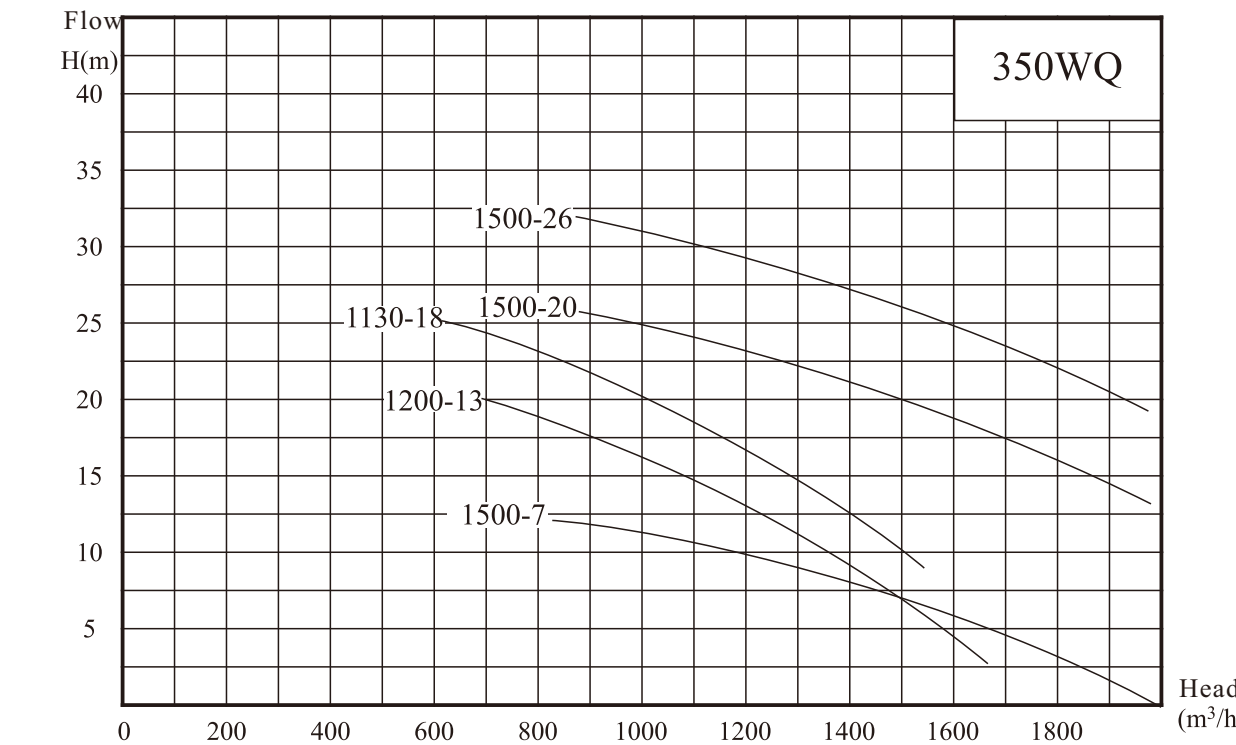
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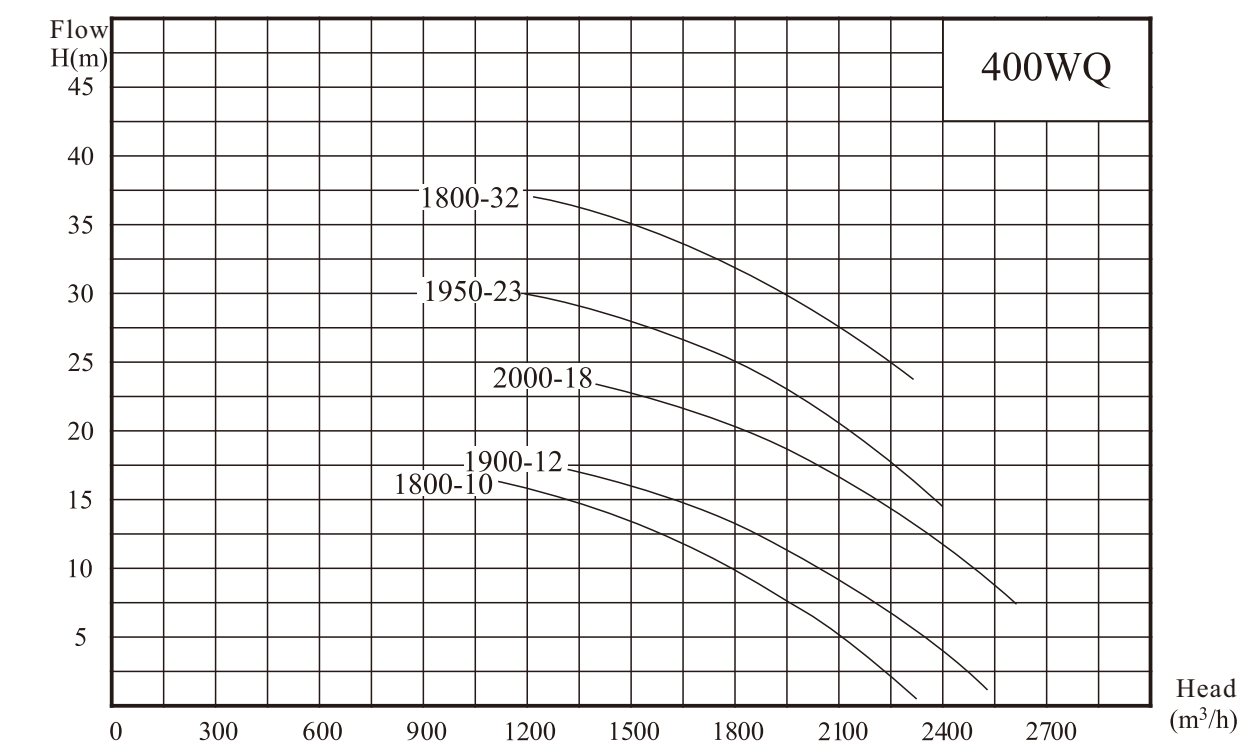
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Performance date



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