

YW(P)系列液下排污泵

YW(P)Series Under-Liquid Sewage Pump



Lamsun Fluid



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YW(P) SERIES UNDER-LIQUID SEWAGE PUMP

产品概述 Product outline

第二代YW(P)系列液下排污泵是我集团最新开发研制的专用于工况严酷的输送各类污水的新型专利产品。是在现有的第一代产品基础上，吸收国内外先进技术，采用目前性能量最优的WQ系列潜水排污泵水力模型研制而成。YW(P)系列液下排污泵不但具有WQ型潜水排污泵的全部优异性能，而且由于它特有的安装形式，而大大拓展了WQ型潜水排污泵的应用工况和使用场合。

The second-generation YW(P) series under-liquid sewage pump is a new and patented product latest developed by this Co. specially for transporting various sewages under harsh working conditions and made by way of, on the basis of the existing first-generation product, absorbing the advanced know-how both at home and abroad and using WQ series submersible sewage pump's hydraulic model of the most excellent performance at present. YW(P) series under-liquid sewage pump not only has the all superior performances of the WQ series submersible sewage pump but also greatly opens out the applocable working conditions and fields of use of the latter due to its unique form of installation.

适用范围 Suitable range

适合钢厂、电厂、煤厂、矿山、医院、市政、化工、制药、建筑、宾馆、饭店、海水抽排等行业。用于输送带颗粒、纤维的工业污水、城市生活污水或雨水、清水。也可用于某些化工流程。

Suitable for steel works, power plant, coal works, mine, hospital, municipal works, chemical industry, medicine, building, hotel, sea-water suction and drainage etc. trades to transport the industrial sewage with grains and fibres, the city's lovong sewage or rain water and pure water, and also for some flow processes of chemical industry.

使用条件 Conditions for use

介质温度不超过50℃；
介质密度 $<1.2\times 10^3\text{kg/m}^3$ ，大于 $1.2\times 10^3\text{kg/m}^3$ 的需在订货时说明；
介质PH值在5~11范围内。
样本所配功率是液下深度小于1.8米，若深度超出，可能需加大一档，选型请咨询总部技术支持。

The medium temperature not over 50℃；
The medium density $<1.2\times 10^3\text{kg/m}^3$ ，need a notice at order for $>1.2\times 10^3\text{kg/m}^3$ ；
The medium's PH valve between 5-11.
Match the sample power is submerged depth is less than 1.8 meters, if the depth is beyond, may need to increase a, selection please consult based technical support.

产品优点 Advantages of products

第二代YW(P)系列液下排污泵以耐用、易用、稳定可靠以及免维护为设计目标，具有如下特点：
1、高效无堵塞
独特设计的单、双流道叶轮，开式双叶片叶轮，高效无堵塞，以及为其配套优化设计的泵体等过流部件可按输送的介质选材择型，并确保在输送含有悬浮颗粒、长纤维、腐蚀的磨损性介质中优异的水力性能和工作寿命。

The second-generation YW(P) series under-Luquid sewage pump is designed by taking durability, easy use, stability, reliability and free of maintenance as the target and has the following merits:
1)High Efficiency Non-block up
The uniquely designed single, double-geat impeller, opening model, double leaf model impeller is high effective without block-up, the pump casing etc. flow-through parts optimizedly designed for completing with the impeller can be selected with their materials and models upon the transported media and can be made sure of the excellent hydraulic performance and working life in the transportation of the media containing suspended grains and long fibres,corrosive and abrasive.

YW(P) 系列液下排污泵

流道宽敞平滑，可输送为泵口径约50%的固体颗粒。
电机不潜水，无水下电缆，可输送和抽吸温度为80℃及以下的污水，最大限度的满足耐污、耐腐、耐油等较高温度的应用场合或使用要求。

2、使用方便、寿命长

叶轮淹没在液体中，启动方便。
可根据用户要求配液位自动控制柜，以液位来控制泵的启、停，无须专人看管。
坚固的免维护设计，泵轴刚性好，名牌全封闭滚子轴承，预先注入耐高温润滑脂，在使用过程中无须再注入润滑油脂，运行平稳、噪音低。轴承和泵主轴系统被轴封系统完全隔离，不会接触被输送的介质，保证轴承设计的运行寿命。

轴封采用两道机械密封串联，双重保护，摩擦副为耐腐蚀烧结碳化钨或碳化硅以及特殊结构的螺旋式密封，保证轴封连续运行不漏水。

静密封用O形密封圈密封，解决了泄漏问题，大大提高了泵的使用寿命。

3、稳定、耐用、无振动

泵为立式结构，传动组件(电机架、联轴器、传动轴、连接架、轴承)采用模块化设计，随着液下深度的改变任意叠加，泵体和叶轮可置于液下深度0.5～5米之间，电机安置在液面上方，通过对传动组件的联接，直接驱动无堵塞式叶轮稳定无振动的运行。

泵进口端设置了吸入筒，其构思巧妙的设计使得抽送的液位尽可能的深，且无堵塞、防缠绕排污性能好。

泵整体结构设计紧凑、稳定、耐用、安装方便。

配用普通YE2系列电机即可使用，如选配YE2系列户外型电机可免于建造泵房，减少土建投资，地面安装，操作简单，检修维护方便。

The geat is wide and smooth and is suitable to transport the solid grain of a diameter about 50% of the pump aperture.
The motor is not placed under water and the cable as well. Able to transport and suck the sewage of a temperature 80℃ and below, ultimately satisfying the applocable occasion or the requirements of use of dirty and oil resistance, wearability and with a higher temperature.

2)Easy use,long durability

The impeller is submerged in water and easy to start.
An automatic liquid-level control cabinet can be fitted with if so required by users so as to get the liquid-level to control the pump's starting and stopping, without need of a special person to look after.

Soild maintenance-free design,good regidity of the pump shaft and fully-closed roller bearing of a famous brand. The pre-injected high-temperature withstanding lubricating grease makes no injection necessary during use. Stable running and low noise. Both bearing and pump's main shaft system are completely isolated by the shaft seal system and can not contact with the transported medium so as to ensure the designed running life of the bearing.

Double mechanical seals in series are used as the mechanical seal to provide a double protection and the frictional secondary one is a spiral seal made of anti-corrosive sinteredtungsten carbide or silicon carbide and of a special structure and can thus be ensured to continuously run without leakage.

O-seal ring is used as the static seal, it settles the problem of leakage and greatly enhances the pump's life.

3) Stable,durable without vibration

The pump is vertically structured, the drive unit(motor stand, clutch, drive shaft, connecting stand, bearing)is modular designed and can be superposed at will along with the variation of the under-water depth. Both pump casing and impeller can be placed under liquid by 0.5-5m and the motor above the liquid surface, then, via connection with the drive unit, directly drives the non-block impeller to stably run without vibration.

At the pump's inlet a suck-in barrel is set, its exquisite design makes the sucked liquid's level as deep as possible, without block-up and with a good anti-twine sewage-removal property.

The integral structure of the pump is designed compact, stable, durable and easily mountable.

The pump can be used with common YE2 series motor and, if fitted with YE2 series outdoor-type motor, it can be avoided to build a pump house, reducing the investment for consturction, and the motor can be mounted on the ground, leaving a convenient operation, overhaul and maintenance.

YW(P) SERIES UNDER-LIQUID SEWAGE PUMP

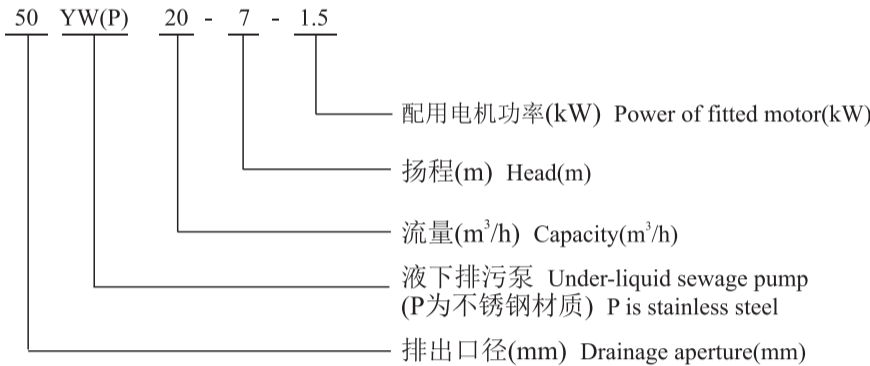
主轴与传动轴之间联接采用弹性柱销联轴器，具有定量补偿两轴相对偏移和一般减振、缓冲性能，因而泵运转平稳，无振动，噪音低。液下深度完全可根据用户要求生产。

An elastic cylindrical-pin clutch is used to link both main shaft and drive shaft, which has the margin compensation for the relative offset between both shafts and the general shock-reduction and buffering performance so as to make the pump stably run without vibration and with low noise. The under-liquid depth can be made completely according to the requirement of users.

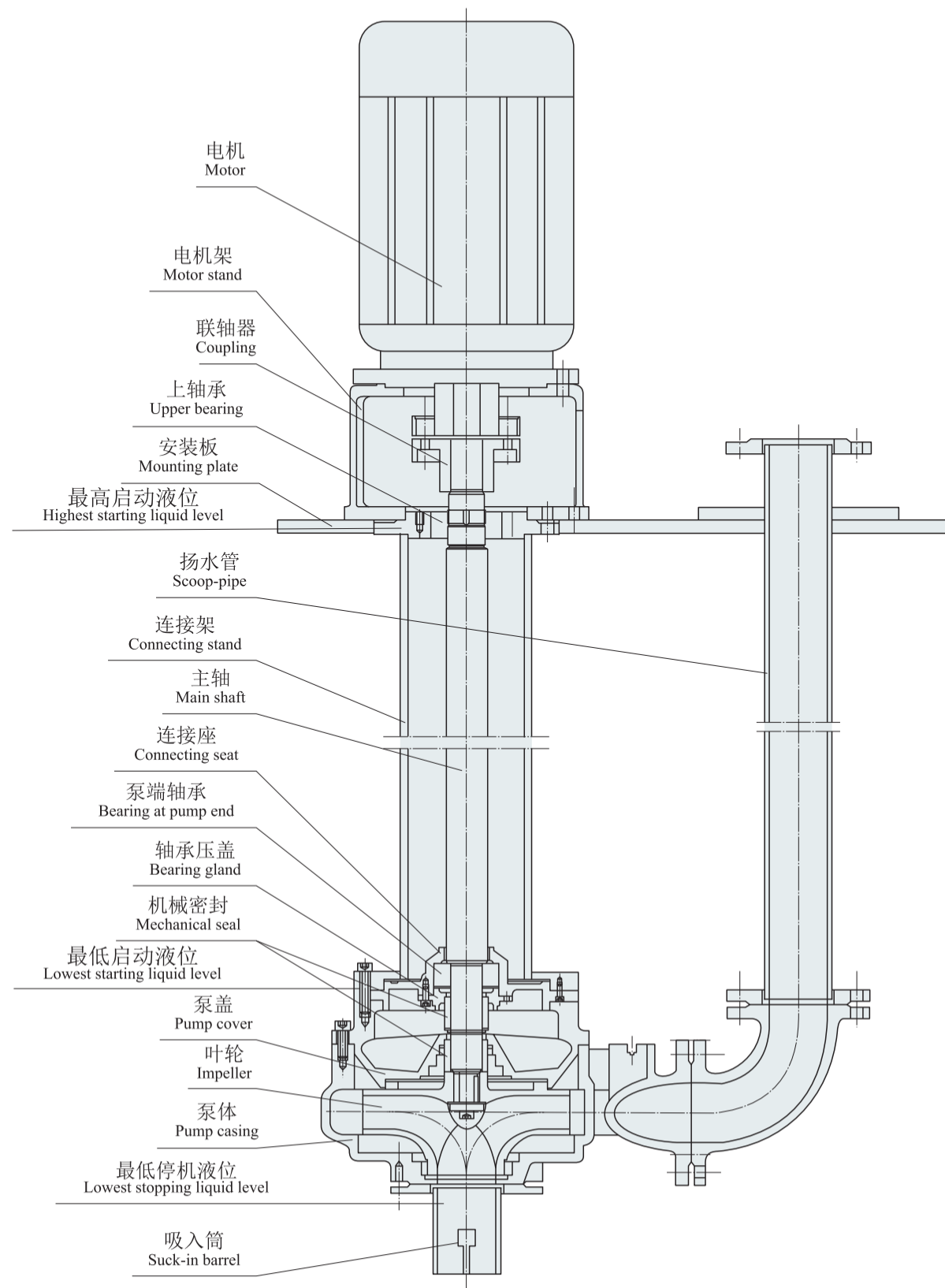
常规泵的主要零件材料 Main parts'materials of the ordinary pumps

零 件 Part	材 料 Material
泵体、叶轮、泵盖、连接座、轴承压盖 Pump casing,impeller,pump cover,connecting seat,bearing gland	HT200
轴 Shaft	2Cr13
连接架、扬水管 Connecting stand,scoop-pipe	Q235
吸入筒 Suck-in barrel	Q235
机械密封 Mechanical seal	碳化硅/碳化钨 Silicon carbide/tungsten carbide
紧固件 Fastener	不锈钢 Stainless steel

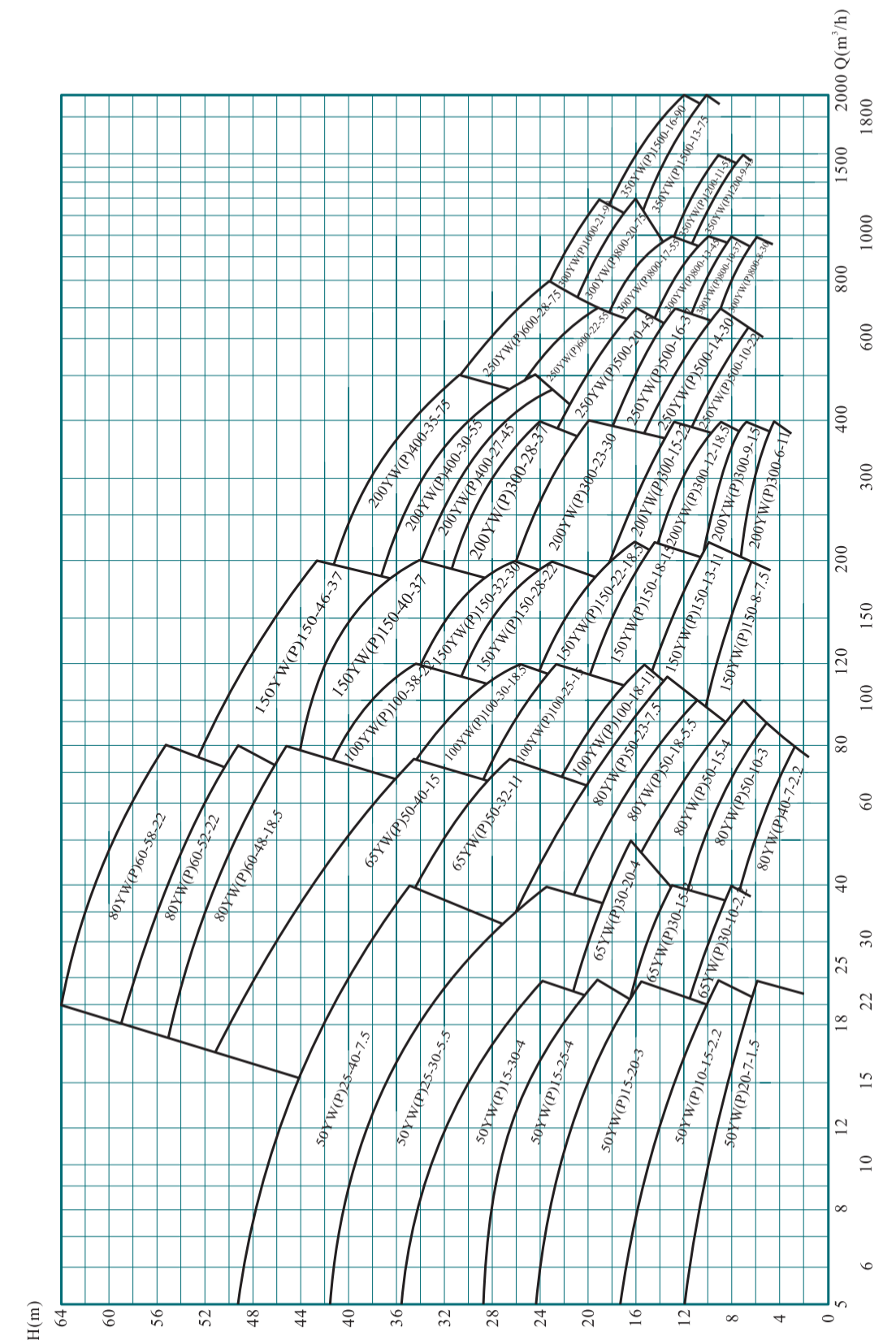
型号意义 Model meaning



YW(P)系列液下排污泵结构示意图 Table of YW(P) series under-liquid sewage pump's structure drawing



YW(P)型谱图 YW(P) type atlas of style



YW(P)系列液下排污泵性能参数表 YW(P) series pump performance

序号 No.	型 号 Type	排出口径 Outlet diameter (mm)	流量 Capacity (m³/h)	扬程 Head (m)	转速 Speed (r/min)	功率 Power (kW)
1	25YW(P)8-10-1.5	25	6 8 12	12 10 7	2840	1.5
2	32YW(P)8-12-1.5	32	6 8 12	14 12 9	2840	1.5
3	50YW(P)20-7-1.5	50	15 20 25	8 7 6	2840	1.5
4	50YW(P)10-15-2.2	50	8 10 15	16 15 13	2840	2.2
5	50YW(P)15-20-3	50	10 15 25	22 20 16	2840	3
6	50YW(P)15-25-4	50	10 15 25	27 25 19	2880	4
7	50YW(P)15-30-4	50	10 15 25	33 30 24	2880	4
8	50YW(P)25-30-5.5	50	20 25 40	33 30 23	2900	5.5
9	50YW(P)25-40-7.5	50	20 25 40	42 40 35	2900	7.5
10	65YW(P)30-10-2.2	65	20 30 40	12 10 8	1420	2.2
11	65YW(P)30-15-3	65	20 30 40	17 15 13	1420	3
12	65YW(P)30-20-4	65	20 30 45	22 20 17	2880	4
13	65YW(P)30-30-5.5	65	20 30 45	32 30 22	2900	5.5
14	65YW(P)30-35-7.5	65	20 30 45	37 35 30	2900	7.5
15	65YW(P)50-32-11	65	40 50 75	34 32 27	2900	11
16	65YW(P)50-40-15	65	40 50 75	43 40 35	2900	15
17	80YW(P)40-7-2.2	80	30 40 60	8 7 5	1420	2.2
18	80YW(P)50-10-3	80	40 50 75	12 10 7	1420	3

YW(P)系列液下排污泵性能参数表 YW(P) series pump performance

序号 No.	型 号 Type	排出口径 Outlet diameter (mm)	流量 Capacity (m³/h)	扬程 Head (m)	转速 Speed (r/min)	功率 Power (kW)
19	80YW(P)50-15-4	80	40 50 75	17 15 11	1440	4
20	80YW(P)50-18-5.5	80	40 50 75	21 18 15	1440	5.5
21	80YW(P)50-23-7.5	80	40 50 75	25 23 19	1440	7.5
22	80YW(P)60-48-18.5	80	50 60 80	51 48 45	2900	18.5
23	80YW(P)60-52-22	80	40 60 80	55 52 49	2900	22
24	80YW(P)60-58-22	80	40 60 80	61 58 55	2900	22
25	100YW(P)80-7-3	100	65 80 120	8 7 5	1440	3
26	100YW(P)80-10-4	100	65 80 120	12 10 7	1440	4
27	100YW(P)80-13-5.5	100	65 80 120	15 13 10	1440	5.5
28	100YW(P)80-18-7.5	100	65 80 120	21 18 13	1440	7.5
29	100YW(P)100-18-11	100	80 100 120	21 18 15	2900	11
30	100YW(P)100-25-15	100	80 100 120	27 25 23	2900	15
31	100YW(P)100-30-18.5	100	80 100 120	34 30 26	2900	18.5
32	100YW(P)100-38-22	100	80 100 120	41 38 34	2900	22
33	150YW(P)150-7-5.5	150	100 150 200	8 7 4	1460	5.5
34	150YW(P)150-8-7.5	150	150 200	9 8 5	1440	7.5
35	150YW(P)150-13-11	150	120 150 220	15 13 10	1460	11
36	150YW(P)150-18-15	150	120 150 200	20 18 15	1460	15



YW(P) 系列液下排污泵

YW(P)系列液下排污泵性能参数表 YW(P) series pump performance

序号 No.	型 号 Type	排出口径 Outlet diameter (mm)	流量 Capacity (m³/h)	扬程 Head (m)	转速 Speed (r/min)	功率 Power (kW)
37	150YW(P)150-22-18.5	150	120	24	1460	18.5
			150	22		
			220	16		
38	150YW(P)150-28-22	150	120	30	1460	22
			150	28		
			200	23		
39	150YW(P)150-32-30	150	120	34	1460	30
			150	32		
			200	26		
40	150YW(P)150-40-37	150	80	44	1460	37
			150	40		
			200	34		
41	150YW(P)150-46-37	150	80	52	1460	37
			150	46		
			200	43		
42	150YW(P)150-50-45	150	100	52	1470	45
			150	50		
			200	47		
43	150YW(P)100-60-55	150	80	62	1470	55
			100	60		
			150	56		
44	200YW(P)300-6-11	200	200	7	1460	11
			300	6		
			400	5		
45	200YW(P)300-9-15	200	220	10	1460	15
			300	9		
			400	7		
46	200YW(P)300-12-18.5	200	220	14	1470	18.5
			300	12		
			400	9		
47	200YW(P)300-15-22	200	200	18	1470	22
			300	15		
			400	13		
48	200YW(P)300-20-30	200	200	23	980	30
			300	20		
			400	17		
49	200YW(P)300-25-37	200	200	27	980	37
			300	25		
			400	21		
50	200YW(P)400-27-45	200	200	34	1480	45
			400	27		
			500	21		
51	200YW(P)400-30-55	200	200	37	1480	55
			400	30		
			500	24		
52	200YW(P)400-35-75	200	200	41	1480	75
			400	35		
			500	31		
53	250YW(P)500-10-22	250	400	11	1470	22
			500	10		
			600	7		



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序号 No.	型 号 Type	排出口径 Outlet diameter (mm)	流量 Capacity (m³/h)	扬程 Head (m)	转速 Speed (r/min)	功率 Power (kW)
54	250YW(P)500-14-30	250	400	15	980	30
			500	14		
			700	9		
55	250YW(P)500-16-37	250	400	18	980	37
			500	16		
			700	13		
56	250YW(P)500-20-45	250	400	22	980	45
			500	20		
			700	16		
57	250YW(P)600-22-55	250	500	25	980	55
			600	22		
			700	19		
58	250YW(P)600-28-75	250	500	31	1480	75
			600	28		
			800	23		
59	300YW(P)800-8-30	300	700	9	980	30
			800	8		
			1000	6		
60	300YW(P)800-10-37	300	700	11	980	37
			800	10		
			1000	8		
61	300YW(P)800-13-45	300	700	14	980	45
			800	13		
			1000	10		
62	300YW(P)800-17-55	300	700	18	980	55
			800	17		
			1000	13		
63	300YW(P)800-20-75	300	700	21	1480	75
			800	20		
			1200	16		
64	300YW(P)1000-21-90	300	800	23	1480	90
			1000	21		
			1200	19		
65	350YW(P)1200-9-45	350	1000	11	745	45
			1200	9		
			1500	7		
66	350YW(P)1200-11-55	350	1000	13	745	55
			1200	11		
			1500	9		
67	350YW(P)1500-13-75	350	1200	15	990	75
			1500	13		
			2000	10		
68	350YW(P)1500-16-90	350	1200	18	990	90
			1500	16		
			2000	12		

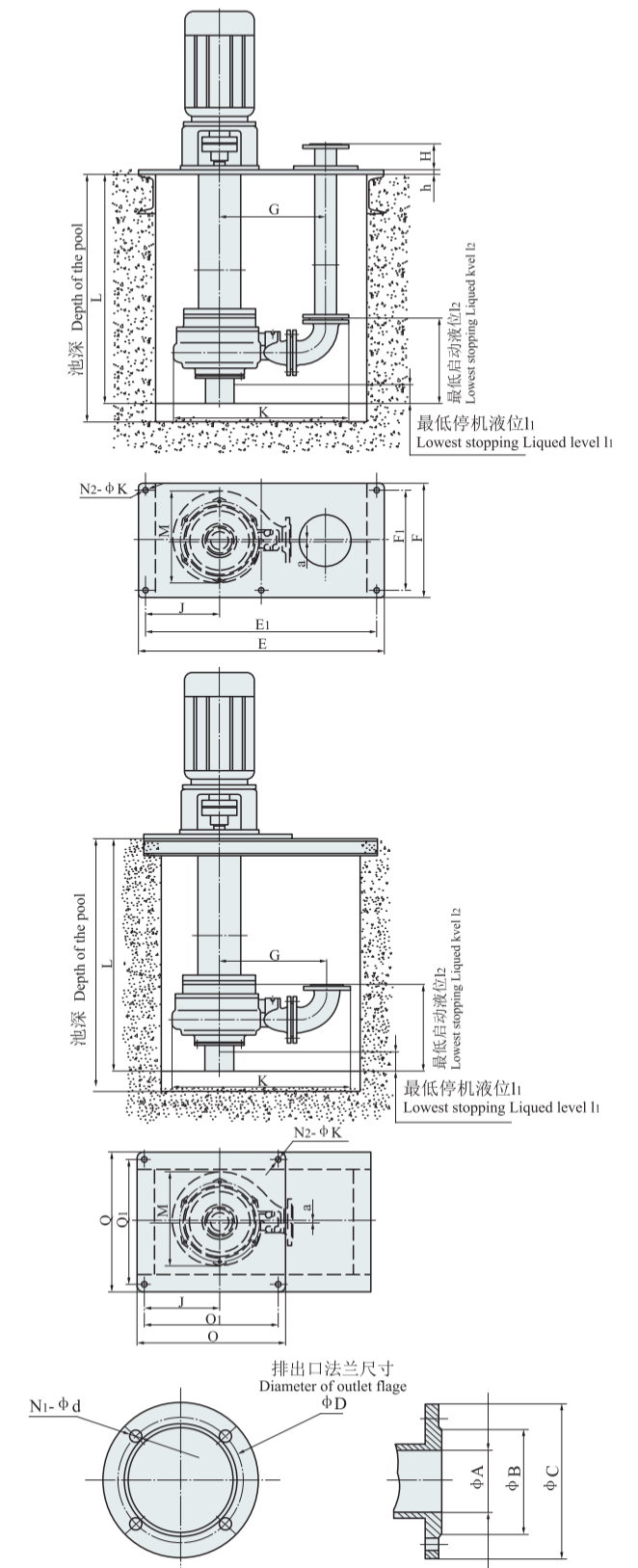
YW(P)系列泵外形安装尺寸表 YW(P) series pump installation dimension

序号 No.	型 号 Type	出口法兰 Outlet flange					双管安装		单管安装	
		Φ A	Φ B	Φ C	Φ D	N1- Φ d	E×F	E1×F1	O×Q	O1×Q1
1	25YW(P)8-10-1.5	25	60	100	75	4- Φ 13.5	600×350	550×300	450×400	400×350
2	32YW(P)8-12-1.5	32	70	120	90	4- Φ 13.5	600×350	550×300	450×400	400×350
3	50YW(P)20-7-1.5	50	90	140	110	4- Φ 13.5	700×350	650×300	450×400	400×350
4	50YW(P)10-15-2.2	50	90	140	110	4- Φ 13.5	700×350	650×300	450×400	400×350
5	50YW(P)15-20-3	50	90	140	110	4- Φ 13.5	700×350	650×300	450×400	400×350
6	50YW(P)15-25-4	50	90	140	110	4- Φ 13.5	700×350	650×300	450×400	400×350
7	50YW(P)15-30-4	50	90	140	110	4- Φ 13.5	700×350	650×300	450×400	400×350
8	50YW(P)25-30-5.5	50	90	140	110	4- Φ 13.5	700×350	650×300	450×400	400×350
9	50YW(P)25-40-7.5	50	90	140	110	4- Φ 13.5	700×350	650×300	450×400	400×350
10	65YW(P)30-10-2.2	65	110	160	130	4- Φ 13.5	780×420	720×360	500×480	440×420
11	65YW(P)30-15-3	65	110	160	130	4- Φ 13.5	780×420	720×360	500×480	440×420
12	65YW(P)30-20-4	65	110	160	130	4- Φ 13.5	700×350	650×300	450×400	400×350
13	65YW(P)30-30-5.5	65	110	160	130	4- Φ 13.5	700×350	650×300	450×400	400×350
14	65YW(P)30-35-7.5	65	110	160	130	4- Φ 13.5	700×350	650×300	450×400	400×350
15	65YW(P)50-32-11	65	110	160	130	4- Φ 13.5	780×420	720×360	500×480	440×420
16	65YW(P)50-40-15	65	110	160	130	4- Φ 13.5	780×420	720×360	500×480	440×420
17	80YW(P)40-7-2.2	80	128	190	150	4- Φ 17.5	850×450	790×390	530×500	470×440
18	80YW(P)50-10-3	80	128	190	150	4- Φ 17.5	850×450	790×390	530×500	470×440
19	80YW(P)50-15-4	80	128	190	150	4- Φ 17.5	850×450	790×390	530×500	470×440
20	80YW(P)50-18-5.5	80	128	190	150	4- Φ 17.5	900×500	840×440	580×540	520×480
21	80YW(P)50-23-7.5	80	128	190	150	4- Φ 17.5	900×500	840×440	580×540	520×480
22	80YW(P)60-48-18.5	80	128	190	150	4- Φ 17.5	850×450	790×390	530×500	470×440
23	80YW(P)60-52-22	80	128	190	150	4- Φ 17.5	850×450	790×390	530×500	470×440
24	80YW(P)60-58-22	80	128	190	150	4- Φ 17.5	850×450	790×390	530×500	470×440
25	100YW(P)80-7-3	100	148	210	170	4- Φ 17.5	880×460	820×400	530×500	470×440
26	100YW(P)80-10-4	100	148	210	170	4- Φ 17.5	880×460	820×400	530×500	470×440
27	100YW(P)80-13-5.5	100	148	210	170	4- Φ 17.5	900×500	840×440	580×540	520×480
28	100YW(P)80-18-7.5	100	148	210	170	4- Φ 17.5	900×500	840×440	580×540	520×480
29	100YW(P)100-18-11	100	148	210	170	4- Φ 17.5	880×460	820×400	560×520	500×460

注: 1、 $L=0.5\sim 5\text{m}$ 。
Note: 1、 $L=0.5\sim 5\text{m}$ 。

YW(P)系列泵外形安装尺寸表 YW(P) series pump installation dimension

G	M	K	a	H	h	J	N2- ϕ k	l1	l2
210	187	274	-	100	12	205	4- ϕ 20	80	25
210	187	274	-	100	12	205	4- ϕ 20	80	25
325	245	520	-	100	12	205	4- ϕ 15	80	25
325	245	520	-	100	12	205	4- ϕ 15	80	25
325	245	520	-	100	12	205	4- ϕ 15	80	25
325	245	520	-	100	12	205	4- ϕ 15	80	25
325	245	520	-	100	12	205	4- ϕ 15	80	25
325	245	520	-	100	12	205	4- ϕ 15	80	25
325	245	520	-	100	12	205	4- ϕ 15	80	25
325	245	520	-	100	12	205	4- ϕ 15	80	25
370	325	612	-	100	12	210	4- ϕ 20	100	30
370	325	612	-	100	12	210	4- ϕ 20	100	30
355	245	520	-	100	12	205	4- ϕ 20	100	30
355	245	520	-	100	12	205	4- ϕ 20	100	30
355	245	520	-	100	12	205	4- ϕ 20	100	30
370	325	612	-	100	12	210	4- ϕ 20	100	30
370	325	612	-	100	12	210	4- ϕ 20	100	30
430	353	699	-	100	12	210	4- ϕ 20	120	35
430	353	699	-	100	12	210	4- ϕ 20	120	35
430	353	699	-	100	12	210	4- ϕ 20	120	35
450	390	740	-	100	12	245	4- ϕ 20	120	35
450	390	740	-	100	12	245	4- ϕ 20	120	35
430	324	612	-	100	12	210	4- ϕ 20	100	35
430	324	612	-	100	12	210	4- ϕ 20	100	35
430	324	612	-	100	12	210	4- ϕ 20	100	35
440	370	720	-	100	12	210	4- ϕ 20	150	40
440	370	720	-	100	12	210	4- ϕ 20	150	40
460	390	760	-	100	12	245	4- ϕ 20	150	40
460	390	760	-	100	12	245	4- ϕ 20	150	40
440	370	720	-	100	12	225	4- ϕ 25	150	40



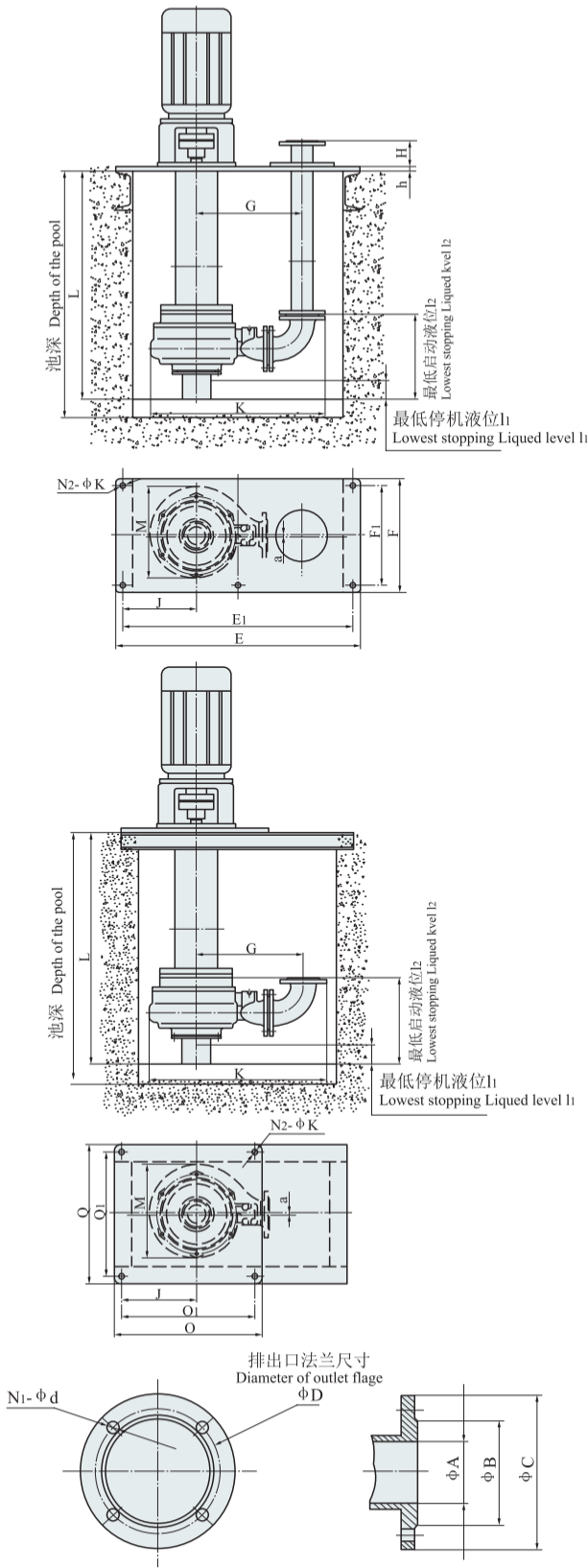
YW(P)系列泵外形安装尺寸表 YW(P) series pump installation dimension

序号 No.	型 号 Type	出口法兰 Outlet flange					双管安装		单管安装	
		Φ A	Φ B	Φ C	Φ D	N ₁ -Φ d	E×F	E ₁ ×F ₁	O×Q	O ₁ ×Q ₁
30	100YW(P)100-25-15	100	148	210	170	4-Φ 17.5	880×460	820×400	560×520	500×460
31	100YW(P)100-30-18.5	100	148	210	170	4-Φ 17.5	880×460	820×400	560×520	500×460
32	100YW(P)100-38-22	100	148	210	170	4-Φ 17.5	880×460	820×400	560×520	500×460
33	150YW(P)150-7-7.5	150	202	265	225	8-Φ 17.5	1050×550	990×490	650×610	590×550
34	150YW(P)150-8-7.5	150	202	265	225	8-Φ 17.5	1050×550	990×490	650×610	590×550
35	150YW(P)150-13-11	150	202	265	225	8-Φ 17.5	1050×550	990×490	650×610	590×550
36	150YW(P)150-18-15	150	202	265	225	8-Φ 17.5	1050×550	990×490	650×610	590×550
37	150YW(P)150-22-18.5	150	202	265	225	8-Φ 17.5	1200×650	1140×590	750×710	690×650
38	150YW(P)150-28-22	150	202	265	225	8-Φ 17.5	1200×650	1140×590	750×710	690×650
39	200YW(P)300-6-11	200	260	320	280	8-Φ 17.5	1050×550	990×490	650×610	590×550
40	200YW(P)300-9-15	200	260	320	280	8-Φ 17.5	1050×550	990×490	650×610	590×550
41	200YW(P)300-12-18.5	200	260	320	280	8-Φ 17.5	1200×650	1140×590	750×710	690×650
42	200YW(P)300-15-22	200	260	320	280	8-Φ 17.5	1200×650	1140×590	750×710	690×650
43	250YW(P)500-10-22	250	312	375	335	12-Φ 17.5	1330×680	1270×620	790×740	730×680

注：1、L=0.5~5m。
Note: 1、L=0.5~5m.

YW(P)系列泵外形安装尺寸表 YW(P) series pump installation dimension

G	M	K	a	H	h	J	N ₂ -Φ k	I ₁	I ₂
440	370	720	-	100	12	225	4-Φ 25	150	400
440	370	720	-	100	12	235	4-Φ 25	150	400
440	370	720	-	100	12	235	4-Φ 25	150	400
550	453	910	-	190	12	260	4-Φ 25	250	450
550	453	910	-	190	12	260	4-Φ 25	250	450
550	453	910	-	190	12	260	4-Φ 25	250	450
550	457	910	-	190	12	260	4-Φ 25	250	450
600	387	720	-	190	12	300	4-Φ 25	250	450
600	387	720	-	190	12	300	4-Φ 25	250	450
550	556	1070	40	200	20	310	4-Φ 25	300	500
550	556	1070	40	200	20	310	4-Φ 25	300	500
650	556	1070	40	200	20	310	4-Φ 25	300	500
650	556	1070	40	200	20	310	4-Φ 25	300	500
720	586	1160	40	215	20	330	4-Φ 25	350	550



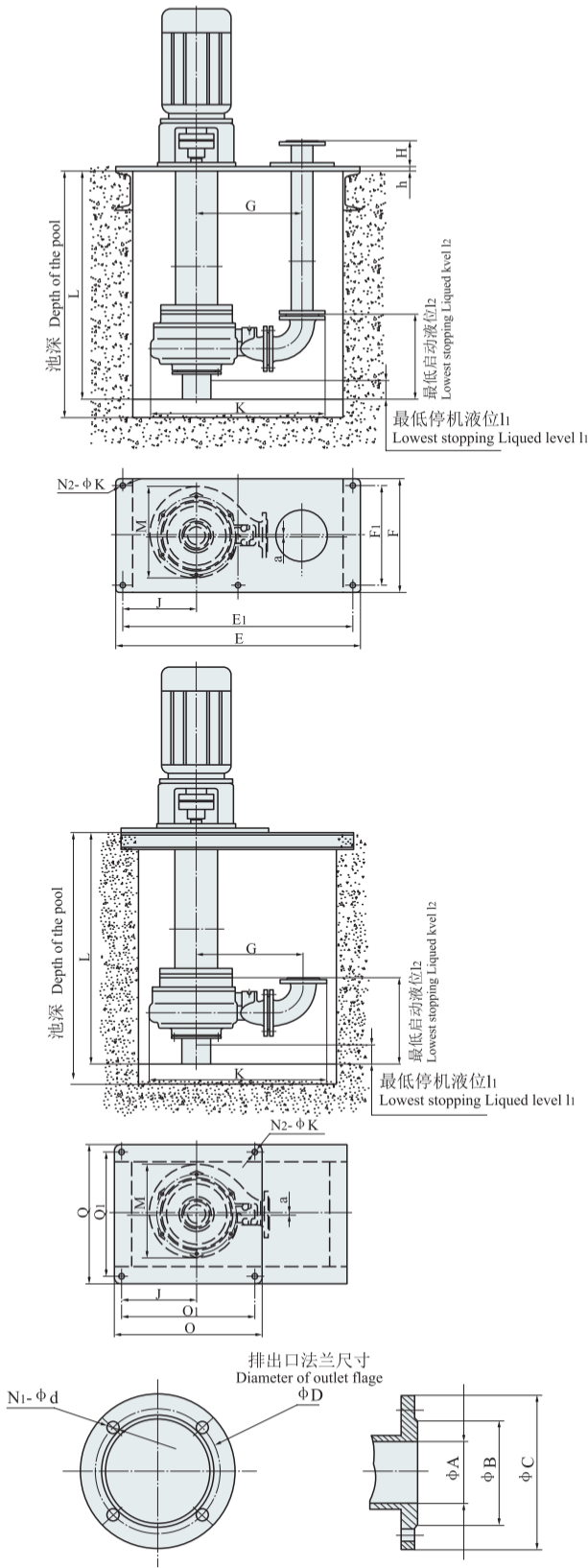
YW(P)系列泵外形安装尺寸表 YW(P) series pump installation dimension

序号 No.	型 号 Type	出口法兰 Outlet flange					双管安装		单管安装	
		Φ A	Φ B	Φ C	Φ D	N ₁ - Φ d	E×F	E ₁ ×F ₁	O×Q	O ₁ ×Q ₁
1	150YW(P)150-32-30	150	202	265	225	8- Φ 17.5	1200×650	1140×590	750×710	690×650
2	150YW(P)150-40-37	150	202	265	225	8- Φ 17.5	1400×780	1330×710	900×850	830×780
3	150YW(P)150-46-37	150	202	265	225	8- Φ 17.5	1400×780	1330×710	900×850	830×780
4	150YW(P)150-50-45	150	202	265	225	8- Φ 17.5	1400×780	1330×710	900×850	830×780
5	150YW(P)100-60-55	150	202	265	225	8- Φ 17.5	1400×780	1330×710	900×850	830×780
6	200YW(P)300-23-30	200	260	320	280	8- Φ 17.5	1400×780	1330×710	900×850	830×780
7	200YW(P)300-28-37	200	260	320	280	8- Φ 17.5	1400×780	1330×710	900×850	830×780
8	200YW(P)400-27-45	200	260	320	280	8- Φ 17.5	1400×780	1330×710	900×850	830×780
9	200YW(P)400-30-55	200	260	320	280	8- Φ 17.5	1400×780	1330×710	900×850	830×780
10	200YW(P)400-35-75	200	260	320	280	8- Φ 17.5	1400×780	1330×710	900×850	830×780
11	250YW(P)500-14-30	250	312	375	335	12- Φ 17.5	1520×820	1450×750	1000×880	930×810
12	250YW(P)500-16-37	250	312	375	335	12- Φ 17.5	1520×820	1450×750	1000×880	930×810
13	250YW(P)500-20-45	250	312	375	335	12- Φ 17.5	1520×820	1450×750	1000×880	930×810
14	250YW(P)600-22-55	250	312	375	335	12- Φ 17.5	1520×820	1450×750	1000×880	930×810
15	250YW(P)600-28-75	250	312	375	335	12- Φ 17.5	1520×820	1450×750	1000×880	930×810
16	300YW(P)800-8-30	300	365	440	395	12- Φ 22	1650×930	1580×860	1050×980	980×910
17	300YW(P)800-10-37	300	365	440	395	12- Φ 22	1650×930	1580×860	1050×980	980×910
18	300YW(P)800-13-45	300	365	440	395	12- Φ 22	1650×930	1580×860	1050×980	980×910
19	300YW(P)800-17-55	300	365	440	395	12- Φ 22	1650×930	1580×860	1050×980	980×910
20	300YW(P)800-20-75	300	365	440	395	12- Φ 22	1650×930	1580×860	1050×980	980×910
21	300YW(P)1000-21-90	300	365	440	395	12- Φ 22	1650×930	1580×860	1050×980	980×910
22	350YW(P)1200-9-45	350	415	490	445	12- Φ 22	1800×970	1730×900	1100×1020	1030×850
23	350YW(P)1200-11-55	350	415	490	445	12- Φ 22	1800×970	1730×900	1100×1020	1030×850
24	350YW(P)1500-13-75	350	415	490	445	12- Φ 22	1800×970	1730×900	1100×1020	1030×850
25	350YW(P)1500-16-90	350	415	490	445	12- Φ 22	1800×970	1730×900	1100×1020	1030×850

注：1、L=0.5~5m。
Note: 1、L=0.5~5m.

YW(P)系列泵外形安装尺寸表 YW(P) series pump installation dimension

G	M	K	a	H	h	J	N ₂ - Φ k	l ₁	l ₂
600	603	1080	-	190	20	300	4- Φ 25	250	450
650	603	1080	-	190	20	300	4- Φ 25	250	450
650	603	1080	-	190	20	300	4- Φ 25	250	450
650	603	1080	-	190	20	400	4- Φ 30	250	450
650	603	1080	-	190	20	400	4- Φ 30	250	450
750	685	1232	30	200	20	410	4- Φ 30	300	550
750	685	1232	30	200	20	410	4- Φ 30	300	550
750	685	1232	30	200	20	410	4- Φ 30	300	550
750	685	1232	30	200	20	410	4- Φ 30	300	550
850	720	1356	45	215	20	410	4- Φ 30	350	600
850	720	1356	45	215	20	410	4- Φ 30	350	600
850	720	1356	45	215	20	410	4- Φ 30	350	600
850	806	1356	45	250	20	410	4- Φ 30	350	600
900	824	1500	60	250	20	455	4- Φ 30	450	700
900	824	1500	60	250	20	455	4- Φ 30	450	700
900	824	1500	60	250	20	455	4- Φ 30	450	700
900	824	1500	60	250	20	455	4- Φ 30	450	700
950	865	1630	65	280	20	475	4- Φ 30	500	850
950	865	1630	65	280	20	475	4- Φ 30	500	850
950	865	1630	65	280	20	475	4- Φ 30	500	850
950	865	1630	65	280	20	475	4- Φ 30	500	850



泵的安装和使用 Installation and use

泵有单管安装和双管安装(加出液管)两种安装方式。
连接液下泵出液管的管路，应另设支架，不允许将外接管路的重量加在泵体上。
泵使用前，应仔细检查泵和电机有无损伤，检查紧固件紧固情况。
盘动泵检查有无摩擦声。
切勿用闸刀开关或直接挂电网来接通电源，可配备全自动水泵控制柜，确保水泵正常运行。
从电机端看叶轮为顺时针旋转，严禁反转运行。

泵的维护和保养 Maintenance

泵的进口管路必须充满液体，严禁在缺液状态或汽蚀工况下运行，以提高泵的使用寿命。
电泵不得长期处于低扬程状态下运行，定期、定时检查电机电流值，以防水泵因过载而烧坏电机。
电泵应设专人管理与使用，定期检查水泵的电路及工作是否正常。
正常状态下，泵每使用5000小时左右，应加注或更换油室中机油，使机械密封保持良好的润滑状态，提高其使用寿命。

订货须知 Notice for ordering

订货时请注明使用扬程、流量、介质、温度、液下深度，以便本公司提供更为可靠之产品。
常规泵基本材料为铸铁，特殊工况、特殊介质请特殊订货，本公司将选择适当材料和结构来满足用户要求。
本公司可供专门配套的水位自动控制箱。电机功率大于15kW时提供各种降压启动方式的液下排污泵电控柜，根据用户需要可提供一控二(一用一备)，一控三(二用一备)等以及特殊要求控制的控制柜。

There are single-pipe and double-pipe (for liquid out) two ways of installation for the pump.
The pipeline connected to the liquid-out pipe of the under-liquid pump should be fitted with a stand separately and it is not allowed to put the weight of the externally connected pipeline on the pump casing.
Before use, carefully check if both pump and motor damaged and check the situation of the fasteners.
Turn the pump with hand to see if there is a frictional sound.
Never use a knife switch to turn on the power or directly turn it on from the electric network, for which a fully automatic pump control cabinet can be equipped with to make sure of the pump's normal run.
The impeller moves CW viewed from the motor and never have it reversedly move.

The pump's inlet pipeline must be full of liquid and never let it run in the state of lack of liquid or under the working condition of steam corrosion in order to extend its life of use.
The pump is not allowed to run for a long time under a low-head state and take a periodic and timing check of the current valve of the motor so as to prevent the pump from being burnt due to overload.
Designate a special person to take care of and use the pump and carry out a periodic check of it to see if the circuit and work are normal.
About every 5000h of use of the pump under the normal condition, fill the engine oil into the oil chamber or replace it so as to have the mechanical seal kept in a good lubricated state and its duration enhanced.

To order, please make a note of the used head, flow, medium, temperature and depth under-liquid so as for this Co.to supply more reliable products.
The ordinary pump is made of cast-iron, Please set a special order for work with special working conditions and special medium, this Co.will select proper material and structure to meet with the requirements.
This Co.can supply the automatic water level control box for special completion,the under-liquid sewage pump's electric control cabinet of various step-down starting modes when the motor's power is more than 15kW and, upon the need of users,the one-control-two(one for use one for spare),one-control-threee (two for use one for spare)control cabinet and those with a specially required control.

故障原因及排除方法 Failures causes and troubleshooting

故 障 Failure	原 因 Causes	排除方法 Troubleshooting
1、泵不出水 No water out of pump	a)电机反转 Motor reversedly move b)叶轮流道堵塞 Impeller geat blocked c)扬程过高 Too high head	a)改变转向 Change it b)消除杂物 Remove foreign matters c)改泵或降低扬程 Lower it or replace pump
2、流量不足 Insufficient flow	a)扬程过高 Too high head b)管道阻力过大 Too heavy pipeline resistance	a)降低扬程 Lower it b)减少管路弯道 Reduce flexural geats
3、扬程不够 Too heavy head	a)叶轮严重磨损 Impeller seriously damaged	a)更换 Replace it
4、电流过大 Too heavy current	a)使用扬程过低 Too low head used b)介质比重过大 Too hig medium gravity c)产生机械摩擦 Mechanical friction produced d)工作电压低 Low working voltage	a)改泵或调节流量 Adjust flow or replace pump b)更换大功率电机 Replace motor with one of a heavy power c)进行维修调节 Repair and adjust d)调整工作电压 Adjust it
5、泵有杂音或振动 Noise or vibration with pump	a)腐蚀使泵不平衡 Corrosion makes pump unbalanced b)轴承损坏 Bearing damaged c)流量过大 Too heavy flow	a)更换 Replace it b)更换 Replace it c)用闸阀节流 Throttle with gate valve