



WQ/YW/ZW型

排 污 泵

Sewage Pump



上海水泵制造有限公司（上海水泵厂）

Shanghai Pump Manufacture Co.,Ltd (ShangHai Pump Works)

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WQ(QW)、JYWQP、WQZG系列无堵塞潜水排污泵 WQ(QW)、JYWQP、WQZG SERIES NON-CLOG SUBMERGED MOTOR PUMPS



WQ(QW)系列无堵塞移动式潜水排污泵
WQ(QW) series non-clog portable submerged motor pump



JYWQP自动搅匀不锈钢潜水排污泵
JYWQP submerged sewage pump with auto mix



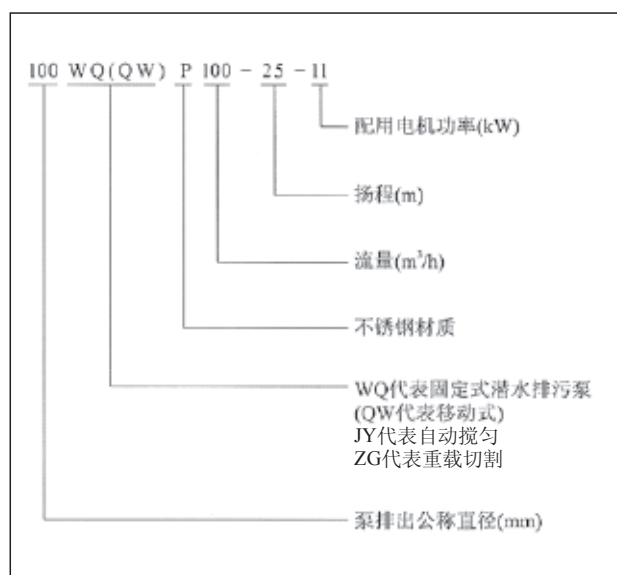
WQZG系列重载切割型潜水排污泵
(ZG代表重载切割, 选型时电机功率大一个级别)
WQZG submerged sewage pump with heavy cutting (selection, electrical power increases a level)

概况 PROFILE

WQ、QW系列无堵塞潜水排污泵严格按照有关国家标准进行设计、制造和检验。供排送工商业污水、生活污水、城市污水处理厂排水系统、人防系统排水站、自来水管网的给水之用。输送液体的流量范围为5~6000m³/h, 扬程范围为5-60m, 配套功率范围为0.55-315kW, 口径范围为φ25-φ600mm。

WQ and QW series non-clog submerged motor pumps are strictly designed, manufactured and tested according to relative national standards. They are applicable for commercial wastewater, daily wastewater, drainage system of city wastewater.

型号意义 TYPE MEANING



水泵特点 PUMP FEATURES

1. 采用独特的单叶片或双叶片叶轮结构, 大大提高了污物的通过能力;
2. 机械密封采用新型硬质合金耐腐蚀的碳化钨材料, 同时将密封改进为双端面密封, 使其长期处于油室内运行, 可使泵安全连续运行8000小时以上;
3. 整体结构紧凑、体积小、噪声小、节能效果显著、检修方便、无需建泵房, 潜入水中即可工作, 大大减少工程造价;
4. 该泵密封油室内根据客户要求可设置有高精度抗干扰漏水检测传感器, 及定子绕组内预埋了热敏元件, 对水泵电机绝对保护;
5. 可根据用户需要配备全自动安全保护控制柜, 对泵的漏水、漏电、过载及超温等进行绝对保护, 提高了产品的安全性与可靠性;
6. 浮球开关可以根据所需液位变化, 自动控制泵的启动与停止, 不需专人看管, 使用极为方便;
7. 可根据用户需要配备双导轨自动耦合安装系统, 它给安装、维修带来极大方便, 人可不必为此而进入污水坑;
8. 有两种不同的安装方式, 固定式自动耦合安装系统、移动式自由安装系统。

1. Unique single or double impeller design, greatly improved the ability of dirt through.
2. Its mechanical seal uses late-model corrosion-resistant carbon tungsten hard alloy. In addition, seal is upgraded to double-end sealing for long-term operation in oil chamber and safe service of continuously more than 8,000 hours.
3. compact overall structure, small volume, low noise, distinctive energy saving, easy maintenance, no need for a pump room, service while being put into water, and low construction cost.
4. The sealed oil chamber of this pump is provided with high-precision anti-interference water leakage detection sensor. That is to say, athermosensitive element is pre-embedded inside stator windings to effect full protection to pump motor.
5. A full automatic safety protection control cabinet is available if required to fully prevent pump from water leakage, electric leakage, over load and excessive temperature and so on. In this way, the safety and reliability is greatly enhanced.
6. float The ball switch may automatically control the start and stop of pump responding to the changes of required liquid level. It is fairly easy to use with no need for a special person to care about it.
7. Double-guide automatic coupling installation system is available if required, making installation and maintenance much convenient, so that there is no need for a person to go into sewage pit.
8. different Two installation types, fixed automatic coupling installation system and portable free installation system.

适用范围 APPLICABILITY

WQ(QW)、JYWQP、WQZG系列无堵塞潜水排污泵适用于工厂商业严重污染废水的排放、住宅区的污水排污站、城市污水处理厂排水系统、人防系统排水站、自来水厂的给水设备、医院、宾馆的污水排放、市政工程建筑工地、勘探、矿山配套附机、农村沼气池、农田灌溉等行业，输送带颗粒的污水、污物，也可用于清水及带腐蚀性介质。

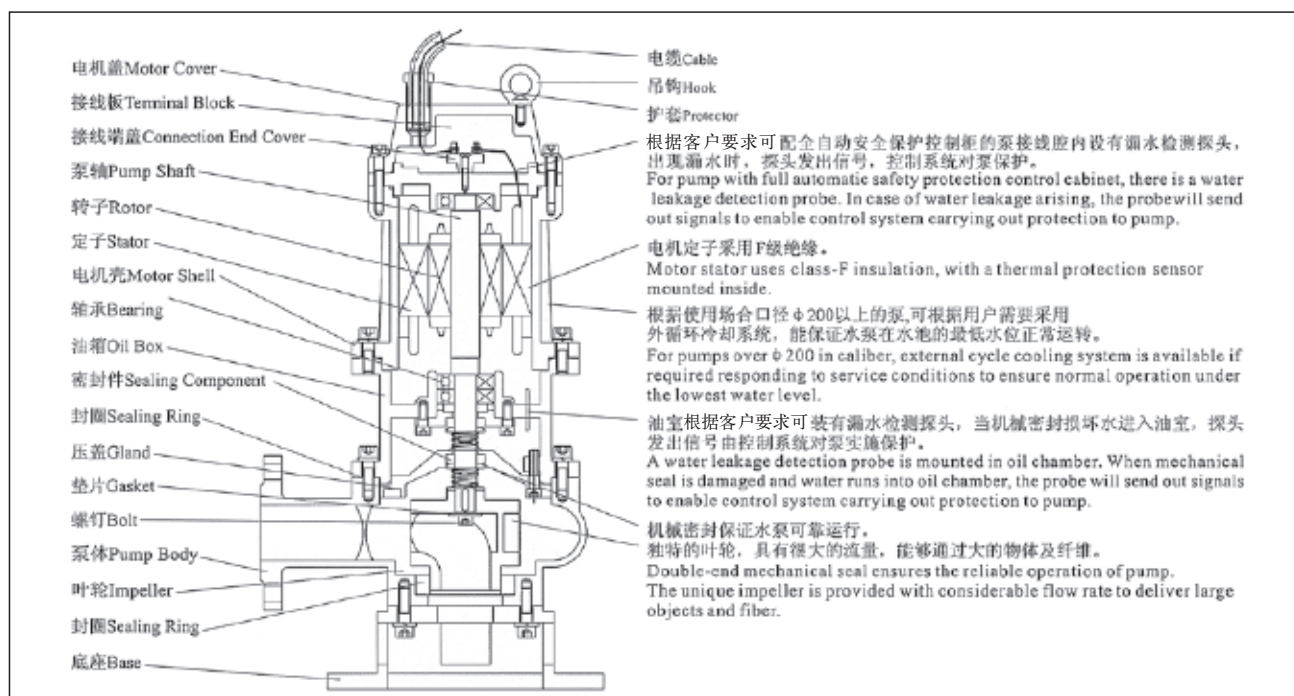
WQ(QW)、JYWQP and WQZG series non-clog submerged motor pumps are applicable for the discharge of seriously polluted wastewater in factories and commercial sites, sewage draining station in residential area, drainage system in city wastewater treatment plant, draining station for civil defense, water supply in tap water plant, sewage discharge in hospitals and hotels, construction sites of municipal projects, exploration, mines, rural methane pool, agricultural irrigation etc. to deliver wastewater and pollutants containing granules, as well as clean water and corrosive mediums.

使用条件 SERVICE CONDITIONS

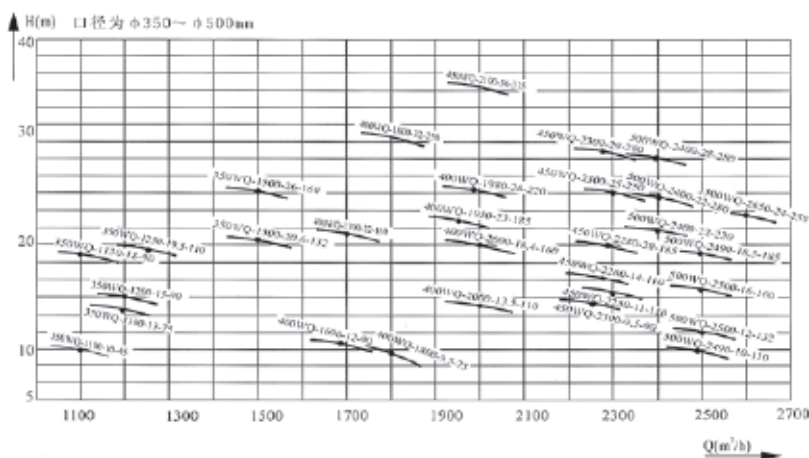
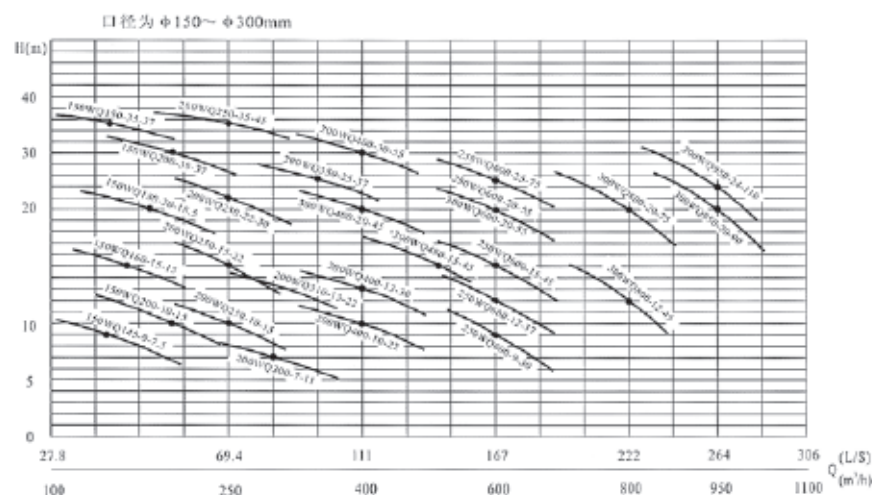
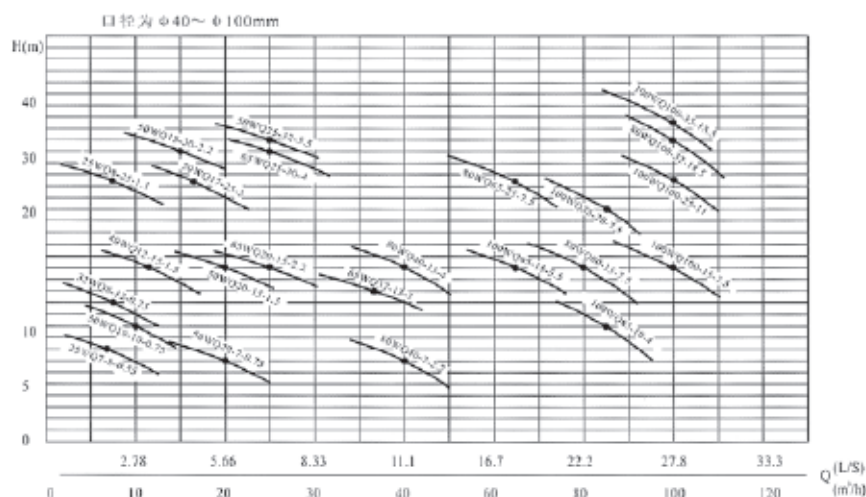
- A、介质温度不超过40℃，介质比重为1-1.3。
 - B、无内自循环冷却系统的泵，电机部分露出液面不超过1/3。
 - C、铸铁材质的使用范围为PH5-9。
 - D、304不锈钢材质可使用一般腐蚀性介质。
 - E、使用环境海拔高度不超过1000米，超过时应在订货时提出，以便为您提供更可靠的产品。
- 注：用户如有特殊的温度、介质等要求，请在订货时注明输送介质的详细情况，以便本单位提供更为可靠之产品。

- A、Medium temperature not exceeding 40℃ and medium weight from 1-1.3.
 - B、For pumps without internal artesian cycle cooling system, the revealed part of motor above liquid should not exceed 1/3.
 - C、The applicable scope of cast-iron material is from PH5-9.
 - D、For 1Cr18Ni9Ti stainless steel material, ordinary corrosive mediums may be used.
 - E、The height above sea level of service location should not exceed 1,000 meters. If beyond, clarify when placing an order for our convenience to provide you with more reliable products.
- Note: If there are special requirements on temperature and mediums, please clarify the detail of the medium to deliver when placing an order for our convenience to provide you with more reliable products.

泵结构图 STRUCTURE DRAWING OF PUMP



WQ(QW)型泵曲线图 CURVE DIAGRAM OF WQ AND QW PUMPS



注: QW, YW, LW(WL), GW曲线图与WQ型相同。

WQ(QW)、JYWQP、WQZG性能参数表 WQ(QW)、JYWQP、WQZG PERFORMANCE PARAMETERS

Caliber 口径	Type 型号	 $Q(m^3/h)$ 流量	Head (m) 扬程	 转速	 kW 功率	 % 效率	Automatic Coupler 自动耦合器
40	40WQ(QW)12-15-1.5	8.5	17	2900	1.5	52	GAK-40
		12	15			54	
		15	13.5			54	
50	50WQ(QW)20-7-0.75	14	8	2900	0.75	49	GAK-50
		20	7			51	
		24	5.5			50	
	50WQ(QW)10-10-0.75	7	12	2900	0.75	49	
		10	10			52	
		12	8			50	
	50WQ(QW)15-15-1.5	10.5	17	2900	1.5	50	
		15	15			53	
		18	13			51	
	50WQ(QW)25-15-2.2	17.5	17.5	2900	2.2	52	
		25	15			54	
		30	13.5			53	
	50WQ(QW)42-9-2.2	30	12.5	2900	2.2	46	
		42	9			49	
		50	7			47.5	
	50WQ(QW)15-30-3	10.5	32.5	2900	3	48	
		15	30			50	
		18	28			47	
	50WQ(QW)17-25-3	12	27	2900	3	50	
		17	25			52	
		20	23			51	
	50WQ(QW)40-15-4	28	18	2900	4	57	
		40	15			60	
		48	13			59	
	50WQ(QW)25-32-5.5	17.5	35	2900	5.5	55	
		25	32			58	
		30	30			57	
	50WQ(QW)20-40-7.5	14	42	2900	7.5	56	
		20	40			59	
		24	38			59	
65	65WQ(QW)25-15-2.2	17.5	17.5	2900	2.2	48	GAK-65
		25	15			50	
		30	13.5			50	
	65WQ(QW)37-13-3	26	15	2900	3	53	
		37	13			57	
		44	11			56	
	65WQ(QW)25-30-4	17.5	33	2900	4	56	
		25	30			61	
		30	28			58	
	65WQ(QW)30-30-5.5	21	32	2900	5.5	54	
		30	30			60	
		36	27			57	

备注：WQZG重载切割型在选型时电机功率大一个级别，最大功率为18.5kW。

Note: WQZG sewage pump with heavy cutting, selection, electrical power increases a level, the maximum power 18.5kW

WQ(QW)、JYWQP、WQZG性能参数表 WQ(QW)、JYWQP、WQZG PERFORMANCE PARAMETERS

Caliber 口径	Type 型号	 Q(m³/h) 流量	Head (m) 扬程	 n/min 转速	 kW 功率	 % 效率	Automatic Coupler 自动耦合器
65	65WQ(QW)30-40-7.5	21	43	2900	7.5	50	GAK-65
		30	40			56	
		36	36			52	
	65WQ(QW)35-50-11	25	53	2900	11	42	
		35	50			45	
		42	48			44	
	65WQ(QW)35-60-15	25	62	2900	15	61	
		35	60			65	
		42	57			62	
80	80WQ(QW)40-9-2.2	28	10.5	2900	2.2	55	GAK-80
		40	9			59	
		48	7			58	
	80WQ(QW)43-13-3	30	16	2900	3	65	
		43	13			70	
		52	11			68	
	80WQ(QW)50-10-3	35	11.5	2900	3	67	
		50	10			71	
		60	8			70	
	80WQ(QW)40-15-4	28	18	2900	4	58	
		40	15			61	
		48	13			61	
	80WQ(QW)50-20-5.5	35	23	2900	5.5	62	
		50	20			67	
		60	18			64	
	80WQ(QW)65-25-7.5	46	28	2900	7.5	60	
		65	25			63	
		78	22			61	
100	100WQ(QW)70-7-3	49	10	1450	3	70	GAK-100
		70	7			74	
		84	5.5			72	
	100WQ(QW)85-10-4	60	13	1450	4	67	
		85	10			72	
			8			69	
	100WQ(QW)65-15-5.5	46	17	1450	5.5	60	
		65	15			65	
		78	13			62	
	100WQ(QW)100-15-7.5	70	17	1450	7.5	60	
			15			63	
			12			59	
	100WQ(QW)85-20-7.5	60	23	1450	7.5	71	
		85	20			75	
			17			74	

备注：WQZG重载切割型在选型时电机功率大一个级别，最大功率为18.5kW。

Note: WQZG sewage pump with heavy cutting, selection, electrical power increases a level, the maximum power 18.5kW

WQ(QW)、JYWQP、WQZG性能参数表 WQ(QW)、JYWQP、WQZG PERFORMANCE PARAMETERS

Caliber 口径	Type 型号	 Q(m³/h) 流量	Head (m) 扬程	 n/min 转速	 P(kW) 功率	 η % 效率	Automatic Coupler 自动耦合器
100	100WQ(QW)100-25-11	70	28	1450	11	68	GAK-100
		100	25			72	
		120	23			70	
	100WQ(QW)100-30-15	70	33	1450	15	69	
		100	30			72	
		120	27			71	
	100WQ(QW)100-35-18.5	70	38	1450	18.5	70	
		100	35			75	
		120	31			73	
150	150WQ(QW)145-9-7.5	100	11	1450	7.5	72	GAK-150
		145	9			76	
		175	7			73	
	150WQ(QW)110-15-7.5	77	17	1450	7.5	67	
		110	15			71	
		132	12			70	
	150WQ(QW)200-10-15	140	12	1450	15	70	
		200	10			73	
		240	8			69	
	150WQ(QW)180-15-15	126	18	1450	15	63	
		180	15			69	
		216	13			68	
	150WQ(QW)180-20-18.5	126	22	1450	18.5	70	
		180	20			72	
		216	18			70	
	150WQ(QW)150-26-18.5	105	28	1450	18.5	48	
		150	26			52	
		180	22			50	
	150WQ(QW)180-25-22	126	27	1450	22	74	
		180	25			78	
		216	23			76	
	150WQ(QW)200-25-30	140	28	1450	30	73	
		200	25			76	
		240	22.5			75	
	150WQ(QW)200-30-37	140	33	1450	37	70	
		200	30			73	
		240	27			71	
	150WQ(QW)150-35-37	105	37	1450	37	71	
		150	35			73	
		180	32			71	
	150WQ(QW)180-40-45	126	43	1450	45	67	
		180	40			71	
		216	38			69	
200	200WQ(QW)300-7-11	210	8.5	1450	11	61	GAK-200
		300	7			66	
		360	6			63	
	200WQ(QW)250-11-15	175	13	1450	15	62	
		250	11			64	

备注：WQZG重载切割型在选型时电机功率大一个级别，最大功率为18.5kW。

Note: WQZG sewage pump with heavy cutting, selection, electrical power increases a level, the maximum power 18.5kW

WQ(QW)、JYWQP性能参数表 WQ(QW)、JYWQP PERFORMANCE PARAMETERS

Caliber 口径	Type 型号	 Q(m³/h) 流量	Head (m) 扬程	 n/min 转速	 kW 功率	 % 效率	Automatic Coupler 自动耦合器
200	200WQ(QW)250-15-18.5	300	9	1450	18.5	60	GAK-200
		175	17.5			68	
		250	15			73	
		300	13			70	
	200WQ(QW)400-10-22	280	11.5	1450	22	70	
		400	10			75	
		480	8			72	
	200WQ(QW)300-15-22	210	17	1450	22	73	
		300	15			76	
		360	12.5			72	
	200WQ(QW)400-13-30	280	16	1450	30	72	
		400	13			76	
		480	11			74	
	200WQ(QW)300-18-30	210	19.5	1450	30	82	
		300	18			85	
		360	17			83	
	200WQ(QW)250-22-30	175	24	1450	30	68	
		250	22			71	
		300	20			69	
	200WQ(QW)300-25-37	210	28	1450	37	66	
		300	25			71	
		360	23			70	
	200WQ(QW)400-20-45	280	22	1450	45	70	
		400	20			74	
		480	18			71	
	200WQ(QW)250-35-45	175	37	1450	45	66	
		250	35			69	
		300	32			68	
	200WQ(QW)400-30-55	280	32	1450	55	69	
		400	30			72	
		480	27			70	
	200WQ(QW)200-60-75	140	62	1450	75	48	
		200	60			52	
		240	58			51	
250	250WQ(QW)600-9-30	420	11	980	30	76	GAK-250
		600	9			78	
		720	7			76	
	250WQ(QW)600-12-37	420	14	1450	37	73	
		600	12			76	
		720	10			75	
	250WQ(QW)600-15-45	420	17.5	1450	45	70	
		600	15			73	
		720	13			72	
	250WQ(QW)600-20-55	420	22	1450	55	71	
		600	20			73	
		720	18			71	
	250WQ(QW)600-25-75	420	29	1450	75	68	

WQ(QW)、JYWQP性能参数表 WQ(QW)、JYWQP PERFORMANCE PARAMETERS

Caliber 口径	Type 型号	 Q(m³/h) 流量	Head (m) 扬程	 n/min 转速	 kW 功率	 % 效率	Automatic Coupler 自动耦合器
300	300WQ(QW)800-12-45	600	25	980	45	71	GAK-300
		720	21			70	
		560	14			71	
		800	12			74	
		920	10			72	
	300WQ(QW)800-20-75	560	23	1450	75	72	
		800	20			75	
		920	18			74	
	300WQ(QW)950-20-90	665	22.5	1450	90	71	
		950	20			76	
		1140	17			73	
	300WQ(QW)1000-20-110	700	26	1450	110	73	
		1000	24			76	
		1200	20			73	
350	350WQ(QW)1100-10-55	770	12	980	55	82	GAK-350
		1100	10			85	
		1320	8.5			83	
	350WQ(QW)1180-13-75	826	14.5	980	75	80	
		1180	13			84	
		1416	9			81	
	350WQ(QW)1200-15-90	840	17	980	90	82	
		1200	15			84	
		1440	11			81	
	350WQ(QW)1130-18-90	790	19.5	980	90	81	
		1130	18			83	
		1360	13			80	
	350WQ(QW)1250-20-110	875	22	980	110	80	
		1250	20			83	
		1500	15			81	
	350WQ(QW)1500-20-132	1050	21.5	980	132	77	
		1500	20			82	
		1800	15			80	
	350WQ(QW)1500-26-160	1050	28	980	160	79	
		1500	26			83	
		1800	21			81	
400	400WQ(QW)2000-6-55	1400	7.5	740	55	82	GAK-400
		2000	6			86	
		2400	4			83	
	400WQ(QW)1800-7-55	1260	8	740	55	82	
		1800	7			85	
		2160	5			84	
	400WQ(QW)2500-7-75	1750	8.5	740	75	81	
		2500	7			85	
		3000	5.5			82	
	400WQ(QW)1800-10-75	1260	11.5	740	75	82	
		1800	10			85	
		2160	8			81	

WQ(QW)、JYWQP性能参数表 WQ(QW)、JYWQP PERFORMANCE PARAMETERS

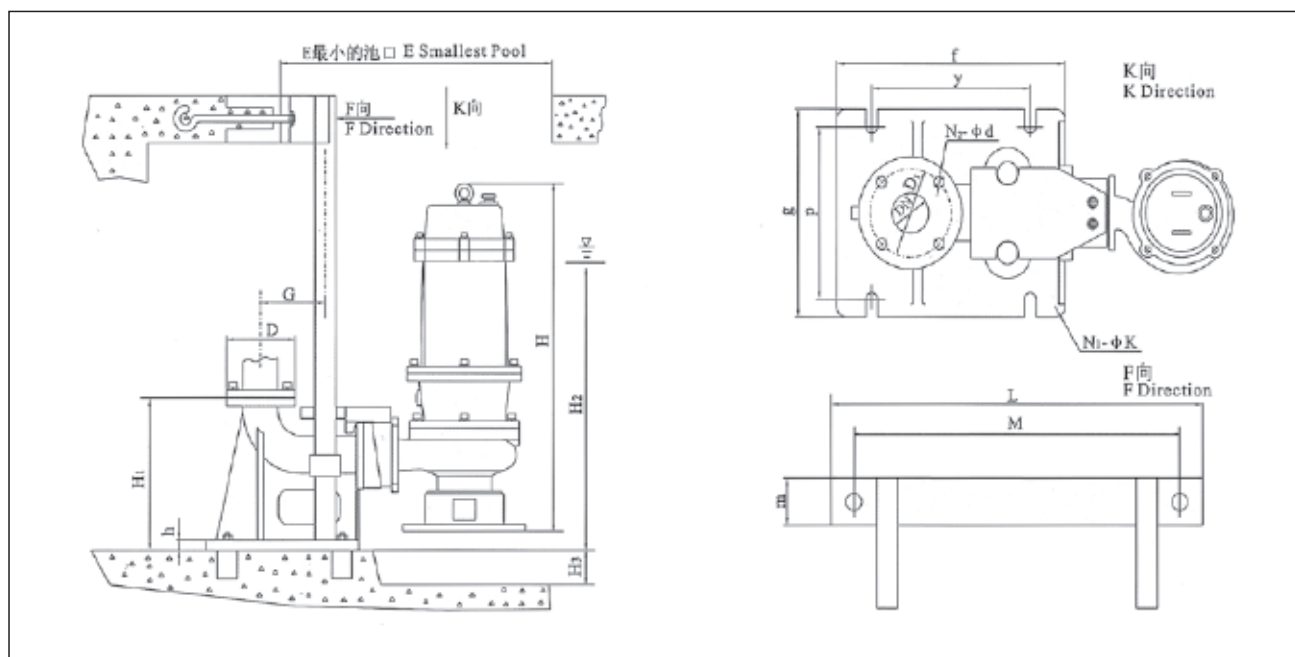
Caliber 口径	Type 型号	 Q(m³/h) 流量	Head (m) 扬程	 n(r/min) 转速	 P(kW) 功率	 η % 效率	Automatic Coupler 自动耦合器
400	400WQ(QW)1690-12-90	1180	14	980	90	81	GAK-400
		1690	12			85	
		2030	7			82	
	400WQ(QW)2000-10-90	1400	12	980	90	81	
		2000	10			85	
		2400	5			80	
	400WQ(QW)2000-13-110	1400	15	980	110	80	
		2000	13			84	
		2400	7			79	
	400WQ(QW)2000-15-132	1400	17	980	132	80	
		2000	15			83	
		2400	10			82	
	400WQ(QW)1700-22-160	1190	24	980	160	78	
		1700	22			83	
		2040	17			80	
	400WQ(QW)2000-18-160	1400	21	980	160	81	
		2000	18			85	
		2400	12			83	
	400WQ(QW)1950-23-185	1365	26	980	185	82	
		1950	23			85	
		2340	17			83	
	400WQ(QW)1980-26-220	1386	29	980	220	79	
		1980	26			83	
		2376	20			82	
	400WQ(QW)1800-32-250	1260	35	980	250	79	
		1800	32			82	
		2160	26			80	
450	450WQ(QW)2300-10-90	1610	12.5	740	90	81	GAK-450
		2300	10			85	
		2760	5			82	
	450WQ(QW)2250-11-110	1575	13	740	110	81	
		2250	11			85	
		2700	7			83	
	450WQ(QW)2100-12-110	1470	14	740	110	80	
		2100	12			83	
		2520	8			81	
	450WQ(QW)2260-14-132	1580	16	740	132	80	
		2260	14			83	
		2712	10			81	
	450WQ(QW)2280-20-185	1600	21.5	740	185	78	
		2280	20			82	
		2740	16			81	
	450WQ(QW)2300-25-250	1610	27	740	250	77	
		2300	25			81	
		2760	20			80	
	450WQ(QW)2300-29-280	1610	30.5	740	280	77	
		2300	29			80	
		2760	23			79	

WQ(QW)、JYWQP性能参数表 WQ(QW)、JYWQP PERFORMANCE PARAMETERS

Caliber 口径	Type 型号	 Q(m³/h) 流量	Head (m) 扬程	 n/min 转速	 kW 功率	 % 效率	Automatic Coupler 自动耦合器
450	450WQ(QW)2100-36-315	1470	38	740	315	75	GAK-450
		2100	36			78	
		2100	31			76	
500	500WQ(QW)2500-10-110	1750	11.5	740	110	82	GAK-500
		2500	10			85	
		3000	7			85	
	500WQ(QW)2500-16-160	1750	18	740	160	81	
		2500	16			84	
		3000	11			83	
	500WQ(QW)2500-18-185	1750	20	740	185	80	
		2500	18			83	
		3000	14			82	
	500WQ(QW)2500-12-132	1750	14	740	132	81	
		2500	12			85	
		3000	6			83	
	500WQ(QW)2400-22-220	1680	23.5	740	220	82	
		2400	22			85	
		2880	16			84	
	500WQ(QW)2650-24-250	1855	26	740	250	83	
		2650	24			85	
		3180	18			81	
	500WQ(QW)2400-28-280	1680	30	740	280	81	
		2400	28			85	
		2880	23			83	
600	600WQ(QW)5400-8-185	3780	10	580	185	84	GAK-600
		5400	8			87	
		6480	6			86	
	600WQ(QW)4000-12-200	2800	14	580	200	83	
		4000	12			86	
		4800	8			84	
	600WQ(QW)3550-15-200	2485	17	740	200	81	
		3550	15			84	
		4260	9			82	

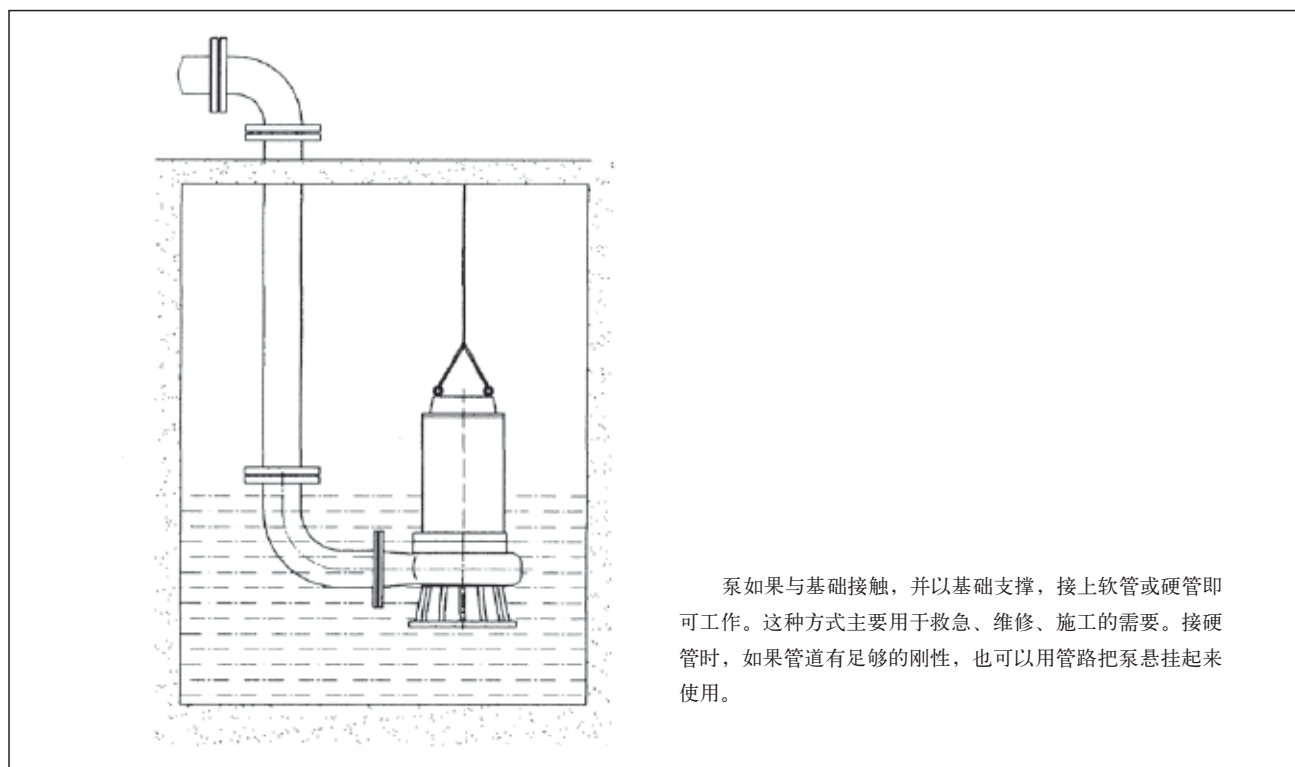
WQ(QW)系列无堵塞潜水排污泵耦合式安装尺寸图

INSTALLATION DIMENSIONAL DRAWING OF WQ SERIES NON-CLOG FIXED SUBMERGED MOTOR PUMP



JYWQ(QW)系列无堵塞移动式潜水排污泵外形及安装示意图

OUTLINE AND INSTALLATION SKETCH DRAWING OF JYWQ(QW) SERIES NON-CLOG PORTABLE SUBMERGED MOTOR PUMP



泵如果与基础接触，并以基础支撑，接上软管或硬管即可工作。这种方式主要用于救急、维修、施工的需要。接硬管时，如果管道有足够的刚性，也可以用管路把泵悬挂起来使用。

WQ(QW)系列无堵塞潜水排污泵耦合式安装尺寸表

INSTALLATION DIMENSIONAL TABLE OF WQ SERIES NON-CLOG FIXED SUBMERGED MOTOR PUMP

Caliber	Type	安装尺寸 Installation Dimensions																		
口径	型号	D	D ₁	H	G	H ₁	H ₂	H ₃	h	N ₁ -ΦK	E	P	f	Y	N ₂ -Φd	L	M	m	e	E
25	25WQ(QW) 8-12-0.75	100	75	400			360													
	25WQ(QW) 8-22-1.1																			
32	32WQ(QW) 8-12-0.75	120	90	400			360													
	32WQ(QW) 8-22-1.1																			
40	40WQ(QW) 12-15-1.5	130	100	540			440													
50	50WQ(QW) 20-7-0.75	140	110	564	170	210	450	100	18	4-Φ18	150	120	240	125	4-Φ18	260	220	60	16	550×550
	50WQ(QW) 10-10-0.75																			
	50WQ(QW) 15-15-1.5																			
	50WQ(QW) 25-15-2.2																			
	50WQ(QW) 42-9-2.2																			
	50WQ(QW) 15-30-3																			
	50WQ(QW) 17-25-3																			
	50WQ(QW) 40-15-4																			
	50WQ(QW) 25-32-5.5																			
	50WQ(QW) 20-40-7.5																			
65	65WQ(QW) 25-15-2.2	160	130	582	167	240	480	150	20	4-Φ18	160	130	270	140	4-Φ14	260	220	60	16	650×600
	65WQ(QW) 37-13-3			652			540													
	65WQ(QW) 25-30-4			708			600													
	65WQ(QW) 30-30-5.5																			
	65WQ(QW) 30-40-7.5			737			640													
	65WQ(QW) 35-50-11																			
	65WQ(QW) 35-60-15			869			670													
80	80WQ(QW) 40-7-2.2	185	150	640	167	280	540	150	25	4-Φ18	190	150	300	180	4-Φ18	300	260	60	16	650×600
	80WQ(QW) 43-13-3			652																
	80WQ(QW) 50-7-3																			
	80WQ(QW) 40-15-4			755			650													
	80WQ(QW) 50-20-5.5																			
	80WQ(QW) 65-25-7.5			775			670													
100	100WQ(QW) 70-7-3	205	170	705	214	300	600	200	25	4-Φ18	210	170	330	200	8-Φ18	300	260	60	20	750×650
	100WQ(QW) 85-10-4			800			700													
	100WQ(QW) 65-15-5.5																			
	100WQ(QW) 100-15-7.5			825			725													
	100WQ(QW) 85-20-7.5																			
	100WQ(QW) 100-25-11			940																
	100WQ(QW) 100-30-15																			
	100WQ(QW) 100-35-18.5			970			850													
150	150WQ(QW) 145-9-7.5	260	225	795	247	470	700	250	35	4-Φ24	390	330	460	260	8-Φ18	600	440	100	20	1000×800
	150WQ(QW) 110-15-7.5																			
	150WQ(QW) 200-10-15																			
	150WQ(QW) 180-15-15																			
	150WQ(QW) 180-20-18.5																			
	150WQ(QW) 150-26-18.5																			
	150WQ(QW) 180-25-22																			
	150WQ(QW) 200-25-30																			
	150WQ(QW) 200-30-37																			
	150WQ(QW) 150-35-37																			
	150WQ(QW) 180-40-45																			
200	200WQ(QW) 300-7-11	315	280	1150	290	560		250	35	4-Φ24	530	370	500	340	8-Φ18	600	595	100	20	1300×900
	200WQ(QW) 250-11-15			1120																
	200WQ(QW) 250-15-18.5																			
	200WQ(QW) 400-10-22																			
	200WQ(QW) 300-15-22																			
	200WQ(QW) 400-13-30			1320																
	200WQ(QW) 300-18-30																			

WQ(QW)系列无堵塞潜水排污泵耦合式安装尺寸表

INSTALLATION DIMENSIONAL TABLE OF WQ SERIES NON-CLOG FIXED SUBMERGED MOTOR PUMP

Caliber	Type	安装尺寸 Installation Dimensions																		
口径	型号	D	D ₁	H	G	H ₁	H ₂	H ₃	h	N1-φK	g	P	f	y	N2-φd	L	M	m	e	E
200	200WQ(QW) 250-22-30	315	280	1320	290	560	1200	250	35	4-φ24	530	370	500	340	8-φ18	600	595	100	20	1300×900
	200WQ(QW) 300-25-37																			
	200WQ(QW) 400-20-45			1370			1270													
	200WQ(QW) 250-35-45																			
	200WQ(QW) 400-30-55			1450			1350													
	200WQ(QW) 200-60-75																			
250	250WQ(QW) 600-9-30	370	335	1450	443	600	1350	350	26	4-φ24	550	440	610	400	12-φ23	700	595	150	24	1600×1300
	250WQ(QW) 600-12-37																			
	250WQ(QW) 600-15-45																			
	250WQ(QW) 600-20-55																			
	250WQ(QW) 600-25-75			1720			1550													
300	300WQ(QW) 800-12-45	435	395	1550	460	640	1350	400	50	4-φ32	870	510	870	460	12-φ23	700	650	150	27	1600×1300
	300WQ(QW) 800-20-75			1750			1550													
	300WQ(QW) 950-20-90			1880			1600													
	300WQ(QW) 950-24-110																			
350	350WQ(QW) 1100-10-55	490	445	1600	460	730	1400	500	50	4-φ32	880	560	850	520	12-φ23	880	700	80	45	1450×1200
	350WQ(QW) 1180-13-75			1800			1600													
	350WQ(QW) 1200-15-90																			
	350WQ(QW) 1130-18-90																			
	350WQ(QW) 1250-20-110			1880			1600													
	350WQ(QW) 1500-20-132																			
	350WQ(QW) 1500-26-160			2200			2000													
400	400WQ(QW) 2000-6-55	565	515	1650	620	780	1450	500	50	4-φ32	870	610	920	580	16-φ26	950	730	150	27	1600×1200
	400WQ(QW) 1800-7-55																			
	400WQ(QW) 2500-7-75																			
	400WQ(QW) 1800-10-75																			
	400WQ(QW) 1690-12-90			1700			1500													
	400WQ(QW) 2000-10-90																			
	400WQ(QW) 2000-13-110			1880			1680													
	400WQ(QW) 2000-15-132																			
	400WQ(QW) 1700-22-160																			
	400WQ(QW) 2000-18-160																			
	400WQ(QW) 1950-23-185			2345			2100													
	400WQ(QW) 1980-26-220																			
	400WQ(QW) 1800-32-250																			
450	450WQ(QW) 2300-10-90	615	565	1700	620	900	1500	500	50	6-φ34	880	790	980	880	16-φ26	950	850	150	27	1600×1200
	450WQ(QW) 2250-11-110			1880			1680													
	450WQ(QW) 2100-12-110																			
	450WQ(QW) 2260-14-132																			
	450WQ(QW) 2280-20-185																			
	450WQ(QW) 2300-25-250			2345			2100													
	450WQ(QW) 2300-29-280																			
	450WQ(QW) 2100-36-315																			
500	500WQ(QW) 2500-10-110	670	620	2000	820	1350	1800	500	50	6-φ34	950	850	1240	1140	20-φ26	950	850	150	27	1600×1200
	500WQ(QW) 2500-12-132																			
	500WQ(QW) 2500-16-160																			
	500WQ(QW) 2500-18-185			2600			2300													
	500WQ(QW) 2400-22-220																			
	500WQ(QW) 2650-24-250																			
	500WQ(QW) 2400-28-280																			
600	600WQ(QW) 5400-8-185	780	725	2950	1000	1550	2600	500	50	6-φ34	1000	900	1400	1300	20-φ26	950	850	150	27	1600×1200
	600WQ(QW) 4000-12-200																			
	600WQ(QW) 3550-15-200																			

YW系列无堵塞液下式排污泵

YW SERIES NON-CLOG SUBMERSIBLE SEWAGE PUMP(SINGLE-PIPE)



YW系列无堵塞液下式排污泵(单管)
YW Series non-clog submersible
sewage pump (single-pipe)

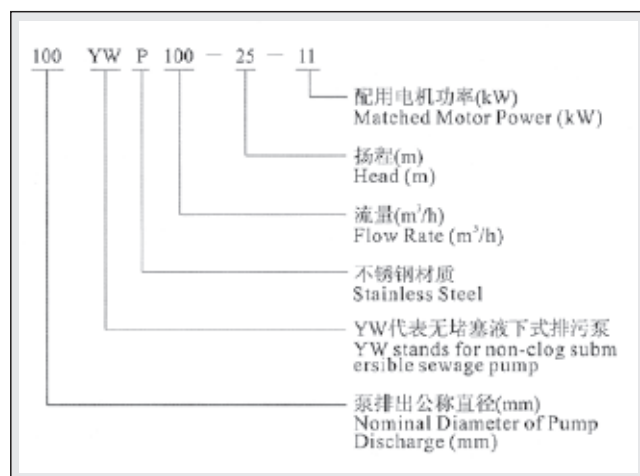
YW系列无堵塞液下式排污泵(双管)
YW Series non-clog submersible
sewage pump (Double-pipe)

概况 PROFILE

YW系列无堵塞液下式排污泵，是本厂根据用户实际的要求以及安装使用条件、方式的不同，结合本厂多年的实际经验，在WQ型潜水泵式排污泵的基础上进行合理优化设计而成，本系列产品具有安装使用方便，结构合理，同时也避免了因机械密封漏水而造成电机烧毁的弊病。

YW series non-clog submersible sewage pumps are optimized on the base of WQ submerged motor pump according to users' practical demands, installation and service conditions and modes, combined with years of experience. With easy installation and operation as well as reasonable structure, this series has eliminated the disadvantage of motor burning as a result of water leakage of mechanical seal.

型号意义 TYPE MEANING



适用范围 APPLICABILITY

YW系列无堵塞液下式排污泵适用于工厂商业严重污染废水的排放、住宅区的污水排污站、城市污水处理厂排水系统、人防系统排水站、自来水厂的给水设备、医院、宾馆的污水排放、市政工程建筑工地、勘探、矿山配套附机、农村沼气池、农田灌溉等行业，输送带颗粒的污水、污物，也可用于清水及带弱腐蚀性介质。

YW series non-clog submersible sewage pumps are applicable for the discharge of seriously polluted wastewater in factories and commercial sites, sewage draining station in residential area, drainage system in city wastewater treatment plant, draining station for civil defense, water supply in tap water plant, sewage drainage in hospitals and hotels, construction sites of municipal projects, exploration, mines, rural methane pool, agricultural irrigation etc. to deliver wastewater and pollutants containing granules, as well as clean water and weak corrosive mediums.

使用条件 SERVICE CONDITIONS

1. 泵的使用环境温度 $\leq 40^{\circ}\text{C}$ ，湿度 $\leq 95\%$ ；海拔高度 ≤ 1000 米，超过时应在订货时提出。
2. 介质温度不超过 60°C ，介质比重为1-1.3。
3. 铸铁材质的使用范围为PH5-9。
4. 304不锈钢材质可使用一般腐蚀性介质。
5. 使用环境海拔高度不超过1000米，超过时应在订货时提出，以便为您提供更可靠的产品。

注：用户如有特殊的温度、介质等要求，请在订货时注明输送介质的详细情况，以便本单位提供更为可靠之产品。

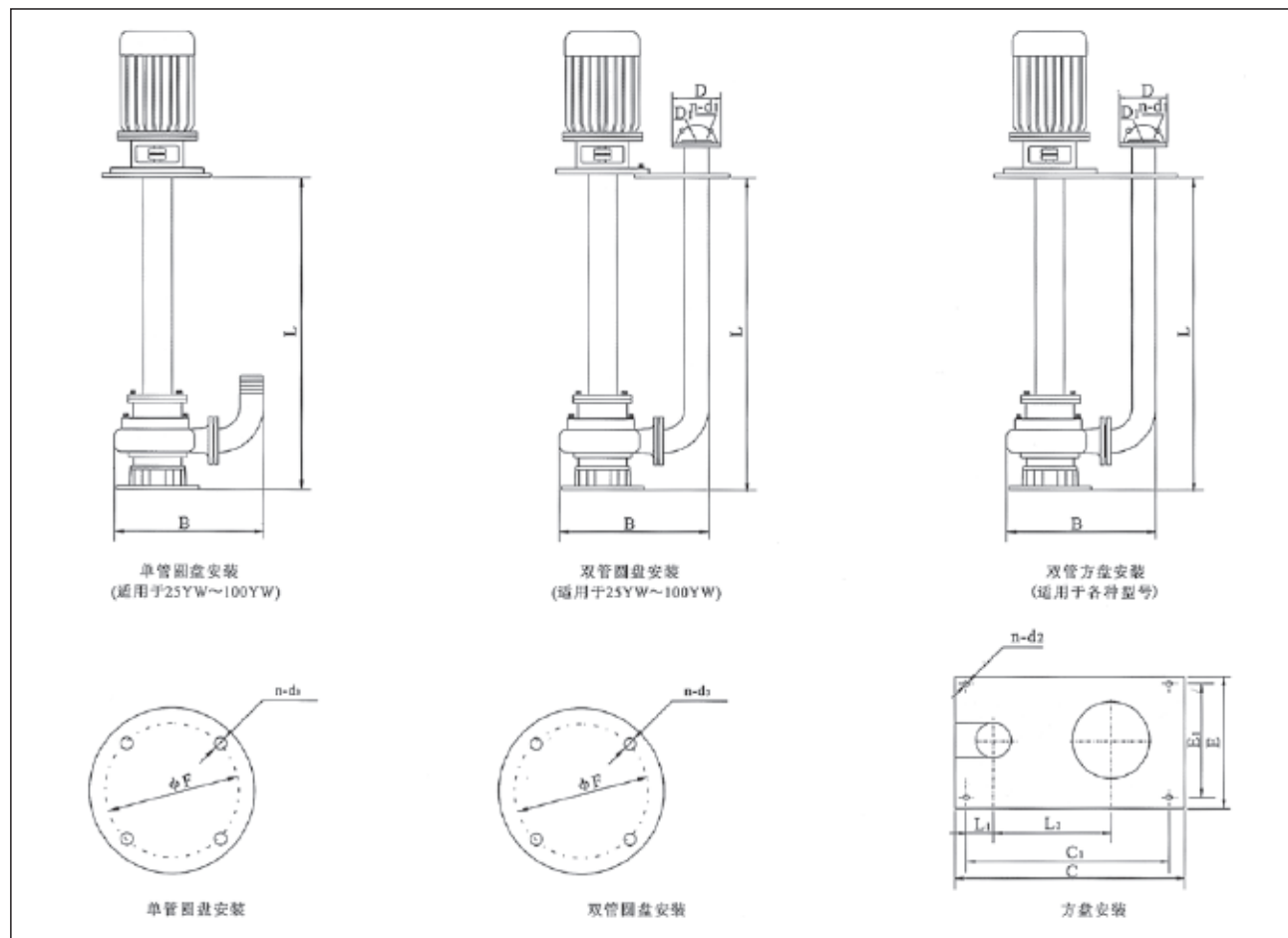
1. Ambient temperature $\leq 40^{\circ}\text{C}$, humidity $\leq 95\%$ and height above sea level ≤ 1000 meters. If beyond, clarify when placing an order.
2. Medium temperature not exceeding 60°C and medium weight from 1-1.3.
3. The applicable scope of cast-iron material is from PH5-9.
4. For 1Cr18Ni9Ti stainless steel material, ordinary corrosive mediums may be used.
5. The height above sea level of service location should not exceed 1,000 meters. If beyond, clarify when placing an order for our convenience to provide you with more reliable products.

Note: If there are special requirements on temperature and mediums, please clarify the detail of the medium to deliver when placing an order for our convenience to provide you with more reliable products.

产品特点 PRODUCT FEATURES

1. 采用独特的单叶片或双叶片叶轮结构, 大大提高了污物的通过能力;
2. 机械密封采用新型硬质合金防腐的碳化钨材料, 使其长期处于油室内运行, 可使泵安全连续运行8000小时以上;
3. 整体结构紧凑、体积小、噪声小、节能效果显著、检修方便, 同时因电机采用标准的Y和Y2系列电机, 方便用户更换;
4. 自动控制柜可以根据所需液位变化, 自动控制泵的启动与停止, 不需专人看管, 使用极为方便;
5. 可根据用户需要配备方盘、圆盘安装系统, 它给安装、维修带来极大方便, 人可不必为此而进入污水坑;
6. 该泵配上户外型电机, 则无须建泵房, 可直接安装于户外使用节省开支;
7. 泵为立式结构, 工作时泵体淹没在介质中, 因而容易启动, 不存在抽气排空等问题, 同时具有无渗漏等特点, 液下深度根据泵型号的不同可达0.5~5米。
1. Its unique single-vane or double-vane impeller structure contributes much to pollutant handling capacity. It enables to effectively deliver fibers 5times of pump caliber and solid granules of diameter at 50% of pump caliber;
2. Its mechanical seal uses late-model corrosion-resistant carbon tungsten hard alloy for long-term operation in oil chamber and safe service of continuously more than 8,000 hours.
3. Compact overall structure, small volume, low noise, distinctive energy saving, easy maintenance, use of standard Y and Y2 series motors for the convenience of making replacement.
4. The automatic control cabinet may automatically control the start and stop of pump responding to the changes of required liquid level. It is fairly easy to use with no need for a special person to care about it.
5. Square and circular installation systems are available if required, making installation and maintenance much convenient, so that there is no need for a person to go into sewage pit.
6. This pump is provided with outdoor motor, with no need for a pump room. It may be directly installed outdoors to save expenses.
7. This pump takes a vertical structure. While in service, pump body is submerged in medium, so that it is easy to start. It is also characterized by no leakage. The underwater depth ranges from 0.5-5 meters, varying from pump types.

外形尺寸图及安装尺寸图 OUTLINE DIMENSIONAL DRAWING AND INSTALLATION DIMENSIONAL DRAWING



YW系列无堵塞污水排污泵性能参数及安装尺寸

PERFORMANCE PARAMETERS AND INSTALLATION DIMENSIONS

Caliber 口径	Type 型 号	 $Q(m^3/h)$ 流量	 Head (m) 扬程	 $n(r/min)$ 转速	 $P(kW)$ 功率	 $\eta(\%)$ 效率	出口法兰 Inlet Flange			 液下深度 Underwater Depth L(m)	安装盘尺寸 Dimension of Disc Installation						
							D	D ₁	n- ϕ d ₁		C×E	C ₁ ×E ₁	n-d ₂	ϕ F	n-d ₃	L ₁	L ₂
25	25YW8-12-0.75	8	12	2900	0.75	48	100	75	4-14	0.5~5	600×320	540×250	4- ϕ 18	ϕ 250	4- ϕ 18	100	220
	25YW8-22-1.1	8	22	2900	1.1	45											
32	32YW8-12-0.75	8	12	2900	1.75	48	120	90	4-14	0.5~5	600×320	540×250	4- ϕ 18	ϕ 250	4- ϕ 18	100	220
	32YW8-22-1.1	8	22	2900	1.1	45											
40	40YW12-15-1.5	12	15	2900	1.5	48	130	100	4-14	0.5~5	600×320	540×250	4- ϕ 18	ϕ 250	4- ϕ 18	100	220
50	50YW20-7-0.75	20	7	2900	0.75	62	140	110	4-14	0.5~5	600×320	540×250	4- ϕ 18	ϕ 270	4- ϕ 18	100	260
	50YW10-10-0.75	10	10	2900	0.75	54											
	50YW20-15-1.5	20	15	2900	1.5	51											
	50YW15-30-3	15	3	2900	3	45											
	50YW42-9-2.2	42	9	2900	2.2	52											
	50YW30-10-2.2	30	10	2900	2.2	51											
	50YW17-25-3	17	25	2900	3	52											
	50YW40-15-4	40	15	2900	4	57											
	50YW25-32-5.5	25	32	2900	5.5	60											
	50YW20-40-7.5	20	40	2900	7.5	46											
65	65YW25-15-2.2	25	15	2900	2.2	52	160	130	4-14	0.5~5	600×320	540×250	4- ϕ 18	ϕ 270	4- ϕ 18	100	290
	65YW37-13-3	37	13	2900	3	60											
	65YW25-30-4	25	30	2900	4	58											
	65YW30-30-5.5	30	30	2900	5.5	58											
	65YW30-40-7.5	30	40	2900	7.5	55											
	65YW35-50-11	35	50	2900	11	42											
	65YW35-60-15	35	60	2900	15	41											
80	80YW40-7-2.2	40	7	2900	2.2	50	185	150	4-18	0.7~6	650×350	600×600	4- ϕ 18	ϕ 270	4- ϕ 18	100	330
	80YW43-13-3	43	13	2900	3	48											
	80YW50-7-3	50	7	2900	3	52											
	80YW40-15-4	40	15	2900	4	48											
	80YW50-20-5.5	50	20	2900	5.5	50											
	80YW65-25-7.5	65	25	2900	7.5	51											
100	100YW70-7-3	70	7	1450	3	60	205	170	4-18	0.7~6	745×430	680×370	4- ϕ 18	ϕ 250	4- ϕ 18	120	330
	100YW85-10-4	85	10	1450	4	62											
	100YW65-15-5.5	65	15	1450	5.5	59											
	100YW100-15-7.5	100	15	1450	7.5	70											
	100YW85-20-7.5	85	20	1450	7.5	65											
	100YW100-25-11	100	15	1450	11	61											
	100YW100-30-15	100	30	1450	15	59											
	100YW100-35-18.5	100	35	1450	18.5	56											
150	150YW145-9-7.5	145	9	1450	7.5	63	260	225	8-18	1~6	1300×750	1220×680	6- ϕ 18	ϕ 300	4- ϕ 18	200	550
	150YW110-15-7.5	110	15	1450	7.5	61											
	150YW200-10-15	200	10	1450	15	64											
	150YW180-15-15	180	15	1450	15	62											
	150YW180-20-18.5	180	20	1450	18.5	74											
	150YW150-26-18.5	150	26	1450	18.5	72											
	150YW180-25-22	180	25	1450	22	69											
	150YW200-25-30	200	25	1450	30	65											
	150YW200-30-37	200	30	1450	37	65											
	150YW150-35-37	150	35	1450	37	63											
	150YW180-40-45	180	40	1450	45	59											
200	200YW300-7-11	300	7	980	11	75	315	280	8-18	1~6	1550×750	1420×680	6- ϕ 18	ϕ 300	4- ϕ 18	200	610
	200YW250-11-15	250	11	1450	15	72											
	200YW250-15-18.5	250	15	1450	18.5	72											
	200YW400-10-22	400	10	1450	22	75											
	200YW300-15-22	300	15	1450	22	71											
	200YW400-13-30	400	13	1450	30	76											

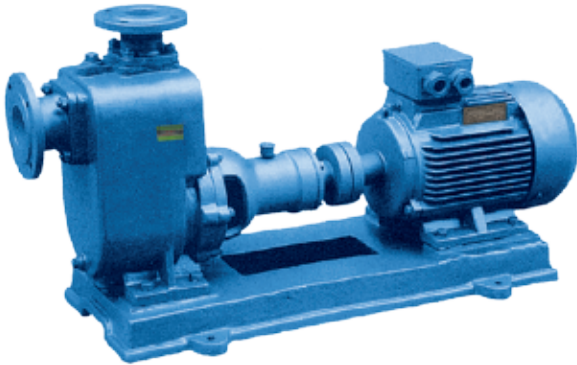
YW系列无堵塞污水排污泵性能参数及安装尺寸

PERFORMANCE PARAMETERS AND INSTALLATION DIMENSIONS

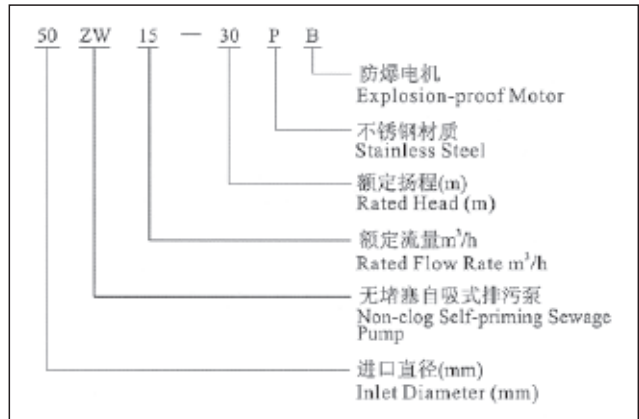
Caliber 口径	Type 型号	 Q(m³/h) 流量	 Head (m) 扬程	 n(r/min) 转速	 P(kW) 功率	 η % 效率	出口法兰 Inlet Flange			液下深度 Underwater Depth L(m)	安装盘尺寸 Dimension of Disc Installation				
							D	D ₁	n-φ d ₁		C×E	C ₁ ×E ₁	n-φ d ₂	L ₁	L ₂
200	200YW250-22-30	250	22	1450	30	71	315	280	8-18	1~6	1500×750	1420×680	6-φ 18	200	610
	200YW300-25-37	300	25	1450	37	71									
	200YW400-20-45	400	20	1450	45	74									
	200YW250-35-45	250	35	1450	45	69									
	200YW400-30-55	400	30	1450	55	72									
	200YW200-60-75	200	60	1450	75	52									
250	250YW600-9-30	600	9	980	30	78	370	335	12-18	1~7	1500×850	1420×780	6-φ 18	200	680
	250YW600-12-37	600	12	1450	37	76									
	250YW600-15-45	600	15	1450	45	73									
	250YW600-20-55	600	20	1450	55	73									
	250YW600-25-75	600	25	1450	75	71									
300	300YW800-12-45	800	12	980	45	74	435	395	12-23	1~7	1500×850	1420×780	6-φ 18	200	680
	300YW800-20-75	800	20	1450	75	75									
	300YW950-20-90	950	20	1450	90	76									
	300YW950-24-110	950	24	1450	110	76									
350	350YW1500-7-45	1500	7	740	45	87	485	445	12-23	1~7	2000×1200	1900×1100	6-φ 18	200	750
	350YW1100-10-55	1100	10	980	55	85									
	350YW1180-13-75	1180	13	980	75	84									
	350YW1130-18-90	1130	18	980	90	83									
	350YW1250-20-110	1250	20	980	110	83									
	350YW1500-20-132	1500	20	980	132	82									
400	350YW1500-26-160	1500	26	980	160	83	535	495	16-23	1~7	2000×1200	1900×1100	6-φ 18	200	750
	400YW2000-6-55	2000	6	740	55	86									
	400YW1800-7-55	1800	7	740	55	85									
	400YW2500-7-75	2500	7	740	75	85									
	400YW1800-10-75	1800	10	740	75	85									
	400YW1690-12-90	1690	12	980	90	85									
	400YW2000-10-90	2000	10	980	90	85									
	400YW2000-13-110	2000	13	980	110	84									
	400YW2000-15-132	2000	15	980	132	83									
	400YW1700-22-160	1700	22	980	160	83									
	400YW2000-18-160	2000	18	980	160	85									
	400YW1950-23-185	1950	23	980	185	85									
	400YW1980-26-220	1980	26	980	220	83									
450	400YW1800-32-250	1800	32	980	250	82	590	550	16-23	1~7	2500×1400	2400×1400	6-φ 18	250	950
	450YW2300-10-90	2300	10	740	90	85									
	450YW2250-11-110	2250	11	740	110	85									
	450YW2100-12-110	2100	12	740	110	83									
	450YW2260-14-132	2260	14	740	132	83									
	450YW2280-20-185	2280	20	740	185	82									
	450YW2300-25-250	2300	25	740	250	81									
	450YW2300-29-280	2300	29	740	280	80									
500	450YW2100-36-315	2100	36	740	315	78	640	600	16-23	1~7	2500×1400	2400×1400	6-φ 18	250	950
	500YW2500-10-110	2500	10	740	110	85									
	500YW2500-16-160	2500	16	740	160	84									
	500YW2500-18-185	2500	18	740	185	83									
	500YW2500-12-132	2500	12	740	132	85									
	500YW2400-22-220	2400	22	740	220	85									
600	500YW2650-24-250	2650	24	740	250	85	780	725	20-30	1~7	2500×1400	2400×1400	6-φ 18	250	950
	500YW2400-28-280	2400	28	740	280	85									
	600YW5400-8-185	5400	8	580	185	87									
	600YW4000-12-200	4000	12	580	200	86									
	600YW3550-15-200	3550	15	740	200	84									

ZW系列无堵塞自吸式排污泵

ZW SERIES NON-CLOG SELF-PRIMING SEWAGE PUMP



型号意义 TYPE MEANING



概况 PROFILE

ZW系列无堵塞自吸式排污泵集自吸和无堵塞功能，既可象一般清水自吸泵一样不需底阀，不需引灌水，又可抽吸含有颗粒、长纤维的介质。自吸能力强，使用方便，安装简单易行，性能稳定。

ZW series non-clog self-priming sewage pump embodies self-priming and non-clogging functions. Like common clean water self-priming pump, it doesn't need foot valve and guide water. It can handle mediums containing granules and long fiber. It is characterized by robust self-priming capacity, easy operation, simple installation and steady performance.

适用范围 APPLICABILITY

- 1、环境温度 $\leq 45^{\circ}\text{C}$ ，介质温度 $\leq 60^{\circ}\text{C}$ ；
- 2、介质PH值铸铁为6~9，不锈钢1~14；
- 3、通过颗粒最大直径为口径的60%，纤维长度为口径的5倍；
- 4、介质中杂质总重量不超过介质总重量的15%，介质密度不超过 1240kg/m^3 ；
- 5、使用环境海拔高度不超过1000米，超过时应在订货时提出，以便为您提供更可靠的产品。
1. Ambient temperature $\leq 45^{\circ}\text{C}$ and medium temperature $\leq 60^{\circ}\text{C}$;
2. Medium PH value, 6~9 for cast-iron and 1~14 for stainless steel;
3. The maximum deliverde diameter of granule is 60% of its caliber and length of fiber is 5 times of its caliber;
4. The total weight of impurities in medium should not exceed 15% of that of medium, and medium density not exceeding 1240kg/m^3 ;
5. The heighe above sea level of service location should not exceed 1,000 meters.If beyond, clarify when placing an order for our concenience to provide you with more reliable products.

ZW系列无堵塞污水排污泵性能参数及安装尺寸 PERFORMANCE PARAMETERS AND INSTALLATION DIMENSIONS

Type	流量 $Q(\text{m}^3/\text{h})$	Head (m)	功率 kW	转速 r/min	效率 %	汽蚀余量 Net Positive Suction Head
型 号	流量	扬程	功率	转速	效率	汽蚀余量
ZW25-8-15	8	15	2.2	2900	45	2.0
ZW32-5-20	5	20	2.2	2900	45	2.5
ZW32-10-20	10	20	2.2	2900	45	2.5
ZW32-9-30	9	30	3	2900	48	2.5
ZW40-10-20	10	20	2.2	2900	45	2.5
ZW40-20-15	20	15	2.2	2900	45	2.5
ZW40-15-30	15	30	3	2900	48	2.5
ZW50-10-20	10	20	2.2	2900	45	2.5
ZW50-20-12	20	12	2.2	2900	45	2.5
ZW50-15-30	15	30	3	2900	48	2.5
ZW50-20-35	20	35	5.5	2900	48	2.5
ZW65-30-18	30	18	4	1450	45	2.5
ZW65-25-30	25	30	5.5	2900	50	3.0
ZW65-25-40	25	40	7.5	2900	50	3.0
ZW65-40-25	40	25	7.5	2900	50	3.0
ZW65-65-25	65	25	7.5	2900	52	3.0
ZW80-40-16	40	16	4	1450	50	3.0
ZW80-40-25	40	25	7.5	2900	50	3.0
ZW80-25-40	25	40	7.5	2900	50	3.0
ZW80-65-25	65	25	7.5	2900	52	3.0
ZW80-80-35	80	35	15	2900	45	3.0
ZW80-40-50	40	50	18.5	2900	50	3.0
ZW80-50-60	50	60	22	2900	55	3.0
ZW100-100-15	100	15	7.5	1450	50	4.0
ZW100-80-20	80	20	7.5	1450	53	4.0
ZW100-100-20	100	20	11	1450	53	4.0
ZW100-100-30	100	30	22	2900	53	4.0
ZW100-80-45	80	45	30	2900	55	4.0
ZW100-80-60	80	60	37	2900	53	4.0
ZW100-80-80	80	80	45	2900	50	4.0
ZW125-120-20	120	20	15	1450	55	4.5
ZW150-180-14	180	14	15	1450	60	5.0
ZW150-180-20	180	20	22	1450	60	5.0
ZW150-180-30	180	30	37	1450	65	5.0
ZW150-180-38	180	38	55	1450	45	5.0
ZW200-280-14	280	14	22	1450	65	5.0
ZW200-280-20	280	20	37	1450	62	5.0
ZW200-300-25	300	25	45	1450	59	5.0
ZW200-280-28	280	28	55	1450	55	4.8
ZW250-420-20	420	20	55	1450	61	6.0
ZW300-800-14	800	14	55	1450	65	6.0

安装、运行、维护提示

INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS:

- 安装、搬运电泵时严禁用力提拉电缆，以免造成电缆内线断裂、接头脱接等致使泵无法正常运行，甚至烧毁电机；
- It is forbidden to pull cables with force in the installation and removal of electric pump to avoid wires breaking and joint delinking which lead to normal operation failure and even burns;
- 安装时请使电泵电缆接地线正确可靠接地。电泵工作时，严禁人畜接近作业水域或触摸电泵，为了减少触电风险，只能与适当的接地插座连接；
- Please ensure correct and reliable cable earthing in the installation of electric pump. It is forbidden for humans or animals to approach operational water area or touch the electric pump when it is working. In order to reduce electric shock risks, it can only be connected with earthing plug;
- 严禁过载运行；
- Overload operation is forbidden;
- 与泵所配用的电缆不能小于电泵电缆面积的1.2倍
- The cables associated with pumps should not be less than 1.2 times of the electric pump area;
- 安装时，电泵必须紧固，但不能使电缆受力，或随电泵启动停止时一块旋转；
- The electric pump must be fastened in the installation. But the cables can not be stressed or rotate together with the electric pump once it is started;
- 运行时发现泵不出水时，应检查电泵是否反转，或电泵出水口处的止回阀以内空气没有排净；
- Once the pump does not produce water in the operation, the electric pump should be checked for any reverse rotation or the check valve at the water outlet mouth should be checked for any residual air;
- 定期检查电泵电动机相间和相对地绝缘电阻，其值应不低于 $2M\Omega$ ，否则应拆机检修；
- Phase-to-phase and relative ground-to-ground insulation resistance of the motor of electric pump should be inspected on a regular basis with the resistance no lower than $2M\Omega$. Otherwise, the equipment should be disassembled for inspection and repair;
- 电泵在规定的工作条件下，正常运行半年后，应检查油室密封状况，如油室中的油呈乳化状或有水沉淀出来，应及时更换10#机油和机械密封件；
- After half a year of normal operation under stipulated working conditions, the electric pump should be checked for oil room sealing condition. Once the oil is emulsified or sedimented water comes out, 10# machine oil and mechanical seal parts should be replaced in a timely manner;
- 电泵正常工作一年后，应进行一次大修，更换已磨损的易损件，并检查紧固件的状态，同时应补充更换润滑脂，保证电泵在运行过程中的良好润滑；
- One large-scale repair work should be conducted after normal operation for one year: worn parts should be replaced, fasteners should be inspected and lubricant should be supplemented and replaced to ensure excellent lubrication in the normal operation;
- 电泵如不用时，请清洗干净，擦干水珠。
- Please clean the electric pump and wipe out beads if not in use.

WQ(QW)、JYWQP、WQZG故障分析和排除

WQ、QW MALFUNCTION ANALYSIS AND ELIMINATION

故障现象 malfunction	原因分析 cause analysis	排除方法 elimination methods
流量不足或不出水 inadequate flow or no water	1.叶轮的旋向错误 mistaken blade item	调换电源线任两根相序即可 adjust any two phase sequence of the power circuits
	2.出口阀门是否打开和完好 openness and completeness of outlet valve	检查阀门 inspect valve
	3.阀门和泵之间的管道内有空气未排, 导致阀门打不开 left air in the pipes between valve and pump makes it difficult to open the valve	排出管道内空气 discharge air in the pipes
	4.转速太低 too low rotation speed	检查电源电压是否过低 check the power supply for voltage degree
	5.密封环磨损过大 excessive seal ring abrasion	更换 replace
	6.抽送液体的密度较大或粘度较高 high density or viscosity in the liquid	改变抽送液体的密度和粘度 change the density and viscosity of liquid
	7.管道和叶轮堵塞 pipe and blade blockage	清理管道和叶轮堵塞物 eliminate obstacles in the pipes and blades
电泵运行不稳定 unstable electric pump operation	1.叶轮不平衡 blade imbalance	更换或进行叶轮动平衡 replace or operate wheel balancing
	2.轴承损坏 bearing damage	更换 replace
	3.过载运行 overload operation	调节阀门使电泵不过载 adjust valve to avoid electric pump overload
	4.安装倾斜不正 sliding installation	重新安装 installation again
绝缘电阻低 low insulation resistance	1.电缆线电源线接线端渗漏 leakage in the wiring end of cable and power circuits	拧紧压紧螺母 fasten and press nuts tightly
	2.电缆线破损或从头部进水 cable wires damage or water entering from head	更换 replace
	3.机械密封磨损 mechanical seal abrasion	更换 replace
	4.O型密封圈老化失效 O-shaped seal ring aging and failure	更换 replace
电流过大 excessive current	1.工作电压低 low working voltage	调整工作电压 adjust working voltage
	2.叶轮被堵或卡 blade blockage or stuck-up	清理管道和液里堵塞物 clean obstacles in the pipes and liquid
	3.抽送液体的密度较大或粘度较高 high density or viscosity in the liquid	改变抽送液体的密度和粘度 change the density and viscosity of liquid
	4.阀门开度过大 excessive valve openness	调节阀门开度 adjust valve openness

Subject to technical modifications
保留不预先通知进行技术修改的权利

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