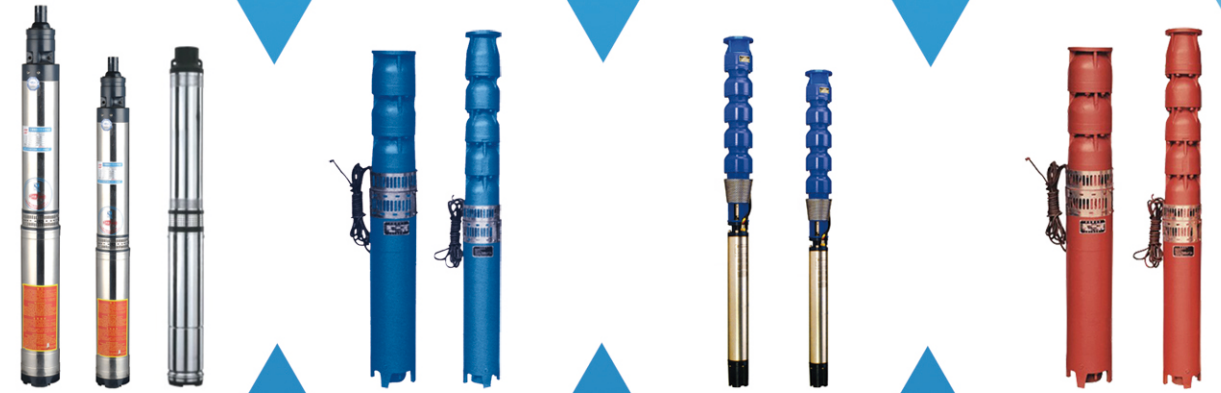


QJ/QJR型深井潜水泵



上海辛巴水泵有限公司

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辛巴水泵



上海辛巴水泵有限公司

辛巴水泵 SHANGHAI XINBA PUMP CO., LTD.

产品概述

QJ型井用潜水泵是电机与水泵直联一体潜入水中工作的提水机具，它适用于从深井提取地下水，也可用于河流、水库、水渠等提水工程；主要用于农田灌溉及高原山区的人畜用水，亦可供城市、工厂、铁路、矿山、工地供排水使用。

QJ型井用潜水电泵特点是：

1、电机、水泵一体，潜入水中运行，安全可靠。

2、对井管、扬水管无特殊要求(即：钢管井、灰管井、土井等均可使用；在压力许可下，钢管、胶管、塑料管等均可作扬水管使用)。

3、安装、使用、维护方便简单，占地面积小、不需建造泵房。

4、结构简单，节省原材料。

潜水电泵使用的条件是否合适，管理得当与使用寿命有直接的关系。

GENERAL OF THE PRODUCT

QJ well-use submerged motor pump is a water lifting tool that work submerging with unit construction of motor and water pump, it is applied in projects of lifting water from deep well as well as from river, water reservoir, water channel. It is mainly used in the spheres of field irrigation, water using for people and livestock n altiplano mountain area, and also for supplying and discharging water in cities, factories, railways, mines, building sites.

Specialty for QJ well use submerged motor pump:

1. One body of motor and water pump guarantees safe when running submerging.

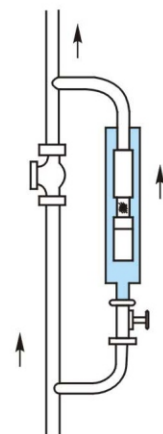
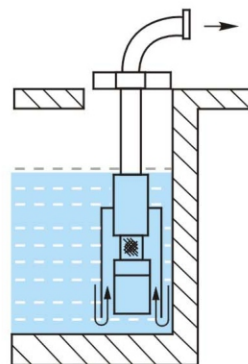
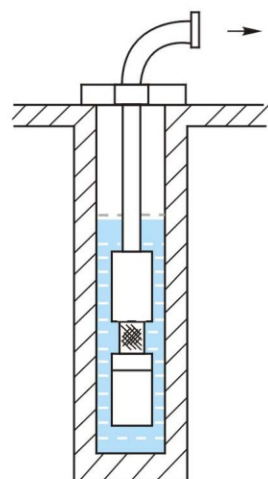
2. There is no special requirement on tubing, rising main (that means steel pipe wells, earth wells etc. can all use it; as long as pressure permits, steel pipes, hoses, plastic pipes can all be used as rising main).

3. It is convenient in installation, usage, maintenance, and covers small area, need not pump house.

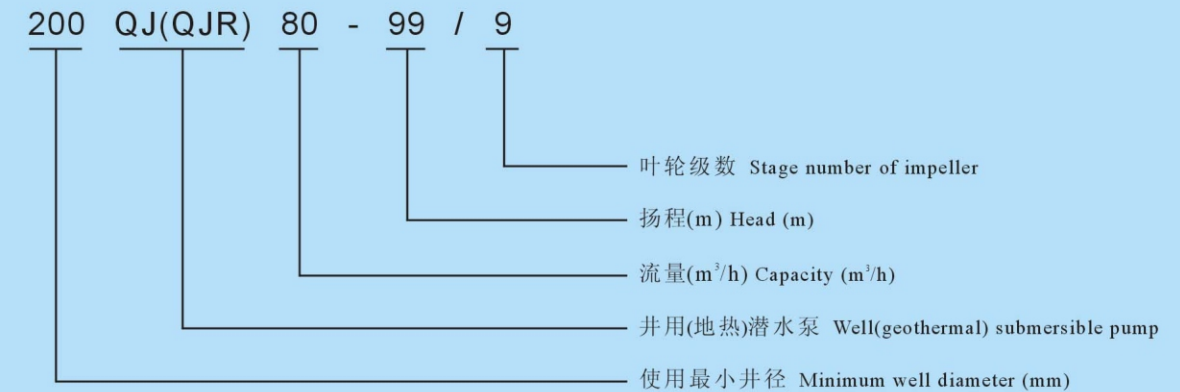
4. It is of simple structure, material saving.

Usage endurance is of direct relationship with condition and management adaptability.

主要用途 MAIN USES



型号意义 MODEL MEANING



结构说明

1、QJ型潜水电泵机组由：水泵、潜水电机(包括电缆)、输水管和控制开关四大部分组成。

潜水泵为单吸多级立式离心泵；潜水电机为密闭充水湿式、立式三相鼠笼异步电动机，电机与水泵通过爪式或单键筒式联轴器直接；配备有不同规格的三芯电缆；起动设备为不同容量等级的空气开关和自偶减压起动器、输水管为不同直径的钢管制成、采用法兰联接，高扬程电泵采用闸阀控制。

2、潜水泵每级导流壳中装有一个橡胶轴承；叶轮用锥形套固定在泵轴上；导流壳采用螺纹或螺栓联接成一体。

3、高扬程潜水泵上部装有止回阀，避免停机水锤造成机组破坏。

4、潜水电机轴上部装有迷宫式防砂器和两个反向装配的骨架油封，防止流砂进入电机。

5、潜水电机采用水润滑轴承，下部装有橡胶调压膜、调压弹簧、组成调压室，调节由于温度引起的压力变化；电机绕组采用聚乙烯绝缘级，尼龙护套耐水电磁线，电缆联接方式按QJ型电缆接头工艺，把接头绝缘脱去刮净漆层，分别接好，焊接牢固，用生橡胶绕一层。再用防水粘胶带缠2~3层，外面包上2~3层防水胶布或用水胶粘结包一层橡胶带(自行车里带)以防渗水。

6、电机密闭，采用精密止口螺栓，电缆出口加胶垫进行密封。

7、电机上端有一个注水孔，有一个放水孔，下部有一个放水孔。

8、电机下部装有下下止推轴承，止推轴承上有沟槽用于冷却，和它对磨的是不锈钢推力盘，承受水泵的上下轴向力。

STRUCTURE EXPLANATION

1. QJ submerge motor pump is made up of 4 parts: water pump, submerge motor(cable included), aqueduct and control switch. The submerge pump is a kind of single suction multilevel vertical centrifugal pump; The submerge motor is of sealing water adding wet motor and vertical three-phase squirrel case asynchronous motor, motor and water pump is directly connected by jaw or single key cartridge coupling; It is equipped with various triple core cables; The starter of which is various pressure reduction starter; Aqueduct of which is made of various diameter steel pipe and connected with flange, high head motor pump is controlled by gate valve.

2. Every level pump bowl of submerge pump is equipped with rubber bearing; impeller is fastened on pump shaft by tapered sleeve; the pump bowl is connected as a whole by thread or bolt.

3. On the upper part of high head submerge pump check valve is installed to avoid water hammer damaging the unit.

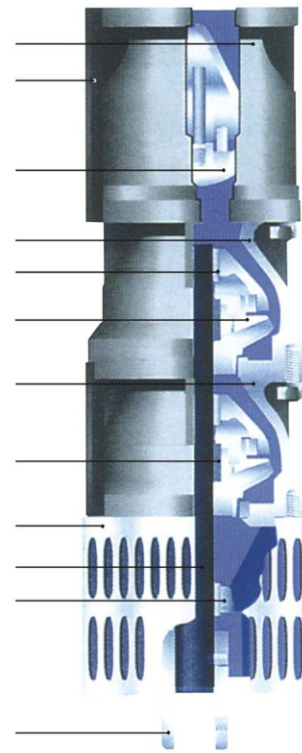
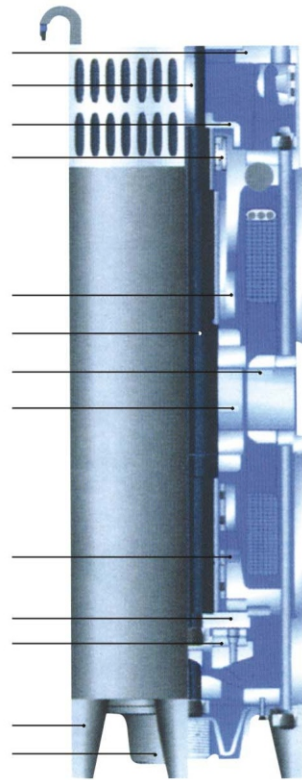
4. The labyrinth sand proof part and 2 opposite direction assembled shell sheet-oil seal on the upper part of the submerge motor shaft help to avoid flowing sand entering the motor.

5. Submerge motor adopts water lubrication bearing, the lower part of which is equipped with rubber diaphragm, pressure adjustable spring which consist of pressure adjusting room to adjust pressure that is caused by temperature differentiation; motor winding uses polyethylene insulation, nylon protecting sleeve water endurance magnet wire, cable connection is on the base of QJ cable adaptor procedure, disengaging adaptor insulation and paint layer and then connected, welded, wined a layer with raw rubber, then 2~3 layers of waterproof adhesive tape and out of which 2~3 layers water proof fabric or a layer of rubber tire (the inside of bicycle tire) glued to avoid water seepage.

6. The motor sealing system adopts precise spigot bolt and rubber washer at cable outlet.

7. There is a priming hole and an air release hole on the upper part of the motor and a water discharge hole at the lower part.

8. There are thrust bearing on which ditch groove to the opposite of which is stainless steel thrust disc that hold the axial force of the pump is for cooling at the lower part of the motor.



基本参数表 BASIC PARAMETER TABLE

序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spe- cification	电泵最 大外径 Pump max. External dia. (mm)
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)				
1	100QJ(QJR)3.2-27/6	456	8.4	0.55	390	8.4	2850	1.5	4×1.5	96
2	100QJ(QJR)3.2-36/8	526	9.86	0.75	420	9.4	2850	1.5	4×1.5	
3	100QJ(QJR)3.2-54/12	666	12.8	1.1	450	10.7	2850	1.5	4×1.5	
4	100QJ(QJR)3.2-68/15	771	15	1.5	490	12.4	2850	1.5	4×1.5	
5	100QJ(QJR)3.2-72/16	806	15.7	1.5	490	12.4	2850	1.5	4×1.5	
6	100QJ(QJR)3.2-99/22	1016	20.1	2.2	560	14.6	2850	1.5	4×1.5	
7	100QJ(QJR)3.2-108/24	1086	21.5	2.2	560	14.6	2850	1.5	4×1.5	
8	100QJ(QJR)3.2-135/30	1296	25.9	3	560	16.1	2850	1.5	4×2.5	
9	100QJ(QJR)3.2-144/32	1366	27.4	3	560	16.1	2850	1.5	4×2.5	
10	100QJ(QJR)5-16/4	422	8	0.55	390	8.4	2850	1.5	4×1.5	
11	100QJ(QJR)5-24/6	510	10	0.75	420	9.4	2850	1.5	4×1.5	
12	100QJ(QJR)5-32/8	598	12	1.1	450	10.7	2850	1.5	4×1.5	
13	100QJ(QJR)5-36/9	642	13	1.1	450	10.7	2850	1.5	4×1.5	
14	100QJ(QJR)5-48/12	774	16	1.5	490	12.4	2850	1.5	4×1.5	
15	100QJ(QJR)5-64/16	950	20	2.2	560	14.6	2850	1.5	4×1.5	
16	100QJ(QJR)5-72/18	1038	22	2.2	560	14.6	2850	1.5	4×1.5	
17	100QJ(QJR)5-88/22	1214	26	3	560	16.1	2850	1.5	4×2.5	
18	100QJ(QJR)5-96/24	1302	28	3	560	16.1	2850	1.5	4×2.5	
19	125QJ(QJR)5-72/9	1004	38	3	812	52	2850	1.5	3×1.5	118
20	125QJ(QJR)5-80/10	1097	43	3	812	52	2850	1.5	3×1.5	
21	125QJ(QJR)5-88/11	1190	48	4	882	58	2850	1.5	3×1.5	
22	125QJ(QJR)5-96/12	1283	53	4	882	58	2850	1.5	3×2	
23	125QJ(QJR)5-104/13	1376	58	5.5	937	65	2850	1.5	3×2	
24	125QJ(QJR)5-112/14	1469	63	5.5	937	65	2850	1.5	3×2	
25	125QJ(QJR)5-120/15	1563	68	5.5	937	65	2850	1.5	3×2	
26	125QJ(QJR)5-128/16	1655	73	5.5	937	65	2850	1.5	3×2	
27	125QJ(QJR)5-136/17	1748	78	5.5	937	65	2850	1.5	3×2	
28	125QJ(QJR)8-52/8	829	34	3	812	52	2850	2	3×1.5	
29	125QJ(QJR)8-58/9	1004	39.5	3	812	52	2850	2	3×1.5	
30	125QJ(QJR)8-65/10	1097	45	3	812	52	2850	2	3×1.5	
31	125QJ(QJR)8-72/11	1190	50.5	4	882	58	2850	2	3×1.5	
32	125QJ(QJR)8-78/12	1283	56	4	882	58	2850	2	3×1.5	
33	125QJ(QJR)8-84/13	1376	61.5	4	882	58	2850	2	3×1.5	
34	125QJ(QJR)8-91/14	1469	67	4	882	58	2850	2	3×1.5	
35	125QJ(QJR)8-58/8	829	34	3	812	52	2850	2	3×1.5	
36	125QJ(QJR)8-65/9	1004	39.5	3	812	52	2850	2	3×1.5	



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基本参数表 BASIC PARAMETER TABLE

序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spe- cification	电泵最 大外径 Pump max. External dia. (mm)	
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)					
37	125QJ(QJR)9-72/10	1097	45	4	882	58	2850	2	3×1.5	118	
38	125QJ(QJR)9-80/11	1190	50.5	4	882	58	2850	2	3×1.5		
39	125QJ(QJR)9-86/12	1283	56	5.5	937	65	2850	2	3×2		
40	125QJ(QJR)9-94/13	1376	61.5	5.5	937	65	2850	2	3×2		
41	125QJ(QJR)9-100/14	1469	67	5.5	937	65	2850	2	3×2		
42	125QJ(QJR)10-56/8	829	34	4	882	58	2850	2	3×1.5		
43	125QJ(QJR)10-63/9	1004	39.5	4	882	58	2850	2	3×1.5		
44	125QJ(QJR)10-70/10	1097	45	4	882	58	2850	2	3×1.5		
45	125QJ(QJR)10-77/11	1190	50.5	4	882	58	2850	2	3×1.5		
46	125QJ(QJR)10-84/12	1283	56	5.5	937	65	2850	2	3×2		
47	125QJ(QJR)10-91/13	1376	61.5	5.5	937	65	2850	2	3×2		
48	125QJ(QJR)10-98/14	1469	67	5.5	937	65	2850	2	3×2		
49	125QJ(QJR)12-45/7	736	24	3	812	52	2850	2	3×1.5		
50	125QJ(QJR)12-51/8	829	29	4	882	58	2850	2	3×1.5		
51	125QJ(QJR)12-58/9	1004	34	4	882	58	2850	2	3×1.5		
52	125QJ(QJR)12-64/10	1097	39.5	4	882	58	2850	2	3×1.5		
53	125QJ(QJR)12-70/11	1190	45	4	882	58	2850	2	3×1.5		
54	125QJ(QJR)12-76/12	1283	50.5	5.5	937	65	2850	2	3×2		
55	125QJ(QJR)12-83/13	1376	56	5.5	937	65	2850	2	3×2		
56	125QJ(QJR)15-24/4	457	61.5	3	812	52	2850	2	3×1.5		
57	125QJ(QJR)15-30/5	550	67	3	812	52	2850	2	3×1.5		
58	125QJ(QJR)15-36/6	643	23	3	812	52	2850	2	3×2		
59	125QJ(QJR)15-42/7	736	28	3	882	58	2850	2	3×2		
60	125QJ(QJR)20-14/3	634	12	3	812	52	2850	2	3×1.5		
61	125QJ(QJR)20-18/4	457	16	3	812	52	2850	2	3×1.5		
62	125QJ(QJR)20-23/5	550	20	3	812	52	2850	2	3×2		
63	125QJ(QJR)20-27/6	643	25	3	812	52	2850	2	3×2		
64	125QJ(QJR)20-16/4	457	15	3	812	52	2850	2	3×1.5		
65	125QJ(QJR)20-24/16	643	25	4	882	58	2850	2	3×2		
66	150QJ(QJR)5-50/7	628	28	3	762	52.5	2850	1.5	3×4		143
67	150QJ(QJR)5-100/14	969	44	3	762	52.5	2850	1.5	3×4		
68	150QJ(QJR)5-150/21	1310	60	4	772	53.5	2850	1.5	3×6		
69	150QJ(QJR)5-200/28	1698	78	5.5	802	56.5	2850	1.5	3×6		
70	150QJ(QJR)5-250/35	2036	96	7.5	862	62.5	2850	1.5	3×6		
71	150QJ(QJR)5-300/42	2427	113	9.2	902	67	2850	1.5	3×6		
72	150QJ(QJR)10-50/7	663	25.5	3	962	52.5	2850	2	3×2.5		

基本参数表 BASIC PARAMETER TABLE

序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spe- cification	电泵最 大外径 Pump max. External dia. (mm)
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)				
73	150QJ(QJR)10-78/11	851	33.5	4	772	53.5	2850	2	3×4	143
74	150QJ(QJR)10-100/14	1039	45	5.5	802	56.5	2850	2	3×4	
75	150QJ(QJR)10-128/18	1227	53	7.5	862	62.5	2850	2	3×6	
76	150QJ(QJR)10-150/21	1415	62	7.5	862	62.5	2850	2	3×6	
77	150QJ(QJR)10-178/28	1650	70	9.2	902	67	2850	2	3×6	
78	150QJ(QJR)10-200/28	1838	80.2	11	982	74	2850	2	3×6	
79	150QJ(QJR)10-250/35	2261	98.5	13	1022	77	2850	2	3×10	
80	150QJ(QJR)10-300/42	2637	116	15	1092	84	2850	2	3×10	
81	150QJ(QJR)20-26/4	595	25.5	3	762	52.5	2850	2	3×2.5	
82	150QJ(QJR)20-33/5	695	30.5	3	762	52.5	2850	2	3×2.5	
83	150QJ(QJR)20-39/6	795	35.5	4	772	53.5	2850	2	3×4	
84	150QJ(QJR)20-46/7	895	40.5	5.5	802	56.5	2850	2	3×4	
85	150QJ(QJR)20-52/8	995	45.5	5.5	802	56.5	2850	2	3×4	
86	150QJ(QJR)20-59/9	1095	50.5	5.5	802	56.5	2850	2	3×4	
87	150QJ(QJR)20-65/10	1195	55.5	7.5	1132	84	2850	2	3×4	
88	150QJ(QJR)20-72/11	1295	60.5	7.5	1132	84	2850	2	3×4	
89	150QJ(QJR)20-78/12	1395	65.5	7.5	1132	84	2850	2	3×6	
90	150QJ(QJR)20-85/13	1495	70.5	9.2	902	67	2850	2	3×6	
91	150QJ(QJR)20-91/14	1595	75.5	9.2	902	67	2850	2	3×6	
92	150QJ(QJR)20-98/15	1695	80.5	9.2	902	67	2850	2	3×6	
93	150QJ(QJR)20-104/16	1795	85.5	11	982	74	2850	2	3×6	
94	150QJ(QJR)20-111/17	1895	90.5	11	982	74	2850	2	3×6	
95	150QJ(QJR)20-117/18	1995	95.5	13	1022	77	2850	2	3×6	
96	150QJ(QJR)20-124/19	2095	100.5	13	1022	77	2850	2	3×6	
97	150QJ(QJR)20-130/20	2195	105.5	13	1022	77	2850	2	3×6	
98	150QJ(QJR)20-137/21	2295	110.5	15	1092	84	2850	2	3×6	
99	150QJ(QJR)20-143/22	2395	115.5	15	1092	84	2850	2	3×6	
100	150QJ(QJR)20-150/23	2495	120.5	15	1092	84	2850	2	3×6	
101	150QJ(QJR)20-156/24	2595	125.5	15	1092	84	2850	2	3×6	
102	150QJ(QJR)20-163/25	2795	135.5	15	1092	84	2850	2	3×6	
103	150QJ(QJR)20-170/26	2895	140.5	18.5	1132	87	2850	2	3×6	
104	150QJ(QJR)20-176/27	2995	145.5	18.5	1132	87	2850	2	3×6	
105	150QJ(QJR)25-24/3	550	31	3	762	52.5	2850	2.5	3×2.5	
106	150QJ(QJR)25-32/4	665	36	4	772	53.5	2850	2.5	3×4	
107	150QJ(QJR)25-40/5	780	41	5.5	802	56.5	2850	2.5	3×4	
108	150QJ(QJR)25-48/6	895	46	5.5	802	56.5	2850	2.5	3×4	
109	150QJ(QJR)25-56/7	1010	51	7.5	802	62.5	2850	2.5	3×4	



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序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spe- cification	电泵最 大外径 Pump max. External dia. (mm)
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)				
110	150QJ(QJR)25-64/8	1125	56	7.5	862	62.5	2850	2.5	3×4	143
111	150QJ(QJR)25-72/9	1240	61	9.2	902	67	2850	2.5	3×6	
112	150QJ(QJR)25-80/10	1355	66	9.2	902	67	2850	2.5	3×6	
113	150QJ(QJR)25-88/11	1470	71	11	982	74	2850	2.5	3×6	
114	150QJ(QJR)25-96/12	1585	76	11	982	74	2850	2.5	3×6	
115	150QJ(QJR)25-104/13	1700	81	13	1022	77	2850	2.5	3×6	
116	150QJ(QJR)25-112/14	1815	86	13	1022	77	2850	2.5	3×6	
117	150QJ(QJR)25-120/15	1930	91	15	1092	84	2850	2.5	3×6	
118	150QJ(QJR)25-128/16	2045	96	15	1092	84	2850	2.5	3×6	
119	150QJ(QJR)25-136/17	2160	101	18.5	1132	87	2850	2.5	3×10	
120	150QJ(QJR)25-144/18	2275	106	18.5	1132	87	2850	2.5	3×10	
121	150QJ(QJR)25-152/19	2390	111	18.5	1132	87	2850	2.5	3×10	
122	150QJ(QJR)32-18/3	550	31	3	762	52.5	2850	2.5	3×4	
123	150QJ(QJR)32-24/4	665	36	4	772	53.5	2850	2.5	3×4	
124	150QJ(QJR)32-30/5	780	41	5.5	802	56.5	2850	2.5	3×4	
125	150QJ(QJR)32-36/6	895	46	5.5	802	56.5	2850	2.5	3×4	
126	150QJ(QJR)32-42/7	1010	51	7.5	862	62.5	2850	2.5	3×6	
127	150QJ(QJR)32-54/9	1240	61	9.2	902	67	2850	2.5	3×6	
128	150QJ(QJR)32-66/11	1470	71	11	982	74	2850	2.5	3×6	
129	150QJ(QJR)32-72/12	1585	76	13	1022	77	2850	2.5	3×6	
130	150QJ(QJR)32-84/14	1815	86	13	1022	77	2850	2.5	3×6	
131	150QJ(QJR)32-90/15	1930	91	15	1092	84	2850	2.5	3×6	
132	150QJ(QJR)32-96/16	2045	96	15	1092	84	2850	2.5	3×6	
133	150QJ(QJR)32-108/18	2275	106	18.5	1132	87	2850	2.5	3×10	
134	150QJ(QJR)40-8/1	264	12.2	3	762	52.5	2850	2.5	3×2.5	
135	150QJ(QJR)40-16/2	394	17.7	4	772	53.5	2850	2.5	3×2.5	
136	150QJ(QJR)40-24/3	524	23.2	5.5	802	56.5	2850	2.5	3×4	
137	150QJ(QJR)40-32/4	654	28.7	7.5	862	62.5	2850	2.5	3×4	
138	150QJ(QJR)40-40/5	784	34.2	9.2	902	67	2850	2.5	3×4	
139	150QJ(QJR)40-48/6	1054	45.7	9.2	902	67	2850	2.5	3×6	
140	150QJ(QJR)40-56/7	1184	51.2	11	982	74	2850	2.5	3×6	
141	150QJ(QJR)40-64/8	1314	56.7	13	1022	77	2850	2.5	3×6	
142	150QJ(QJR)40-72/9	1444	62.2	15	1092	84	2850	2.5	3×6	
143	150QJ(QJR)40-80/10	1574	67.7	18.5	1132	87	2850	2.5	3×6	
144	150QJ(QJR)40-88/11	1704	73.2	18.5	1132	87	2850	2.5	3×6	
145	150QJ(QJR)40-96/12	1834	78.7	18.5	1132	87	2850	2.5	3×6	
146	150QJ(QJR)50-6/1	264	12.2	3	762	52.5	2850	3	3×2.5	

基本参数表 BASIC PARAMETER TABLE

序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spe- cification	电泵最 大外径 Pump max. External dia. (mm)	
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)					
147	150QJ(QJR)50-12/2	394	17.7	4	772	53.5	2850	3	3×2.5	143	
148	150QJ(QJR)50-18/3	524	23.2	5.5	802	56.5	2850	3	3×4		
149	150QJ(QJR)50-24/4	654	28.7	7.5	862	62.5	2850	3	3×4		
150	150QJ(QJR)50-30/5	784	34.2	7.5	862	62.5	2850	3	3×4		
151	150QJ(QJR)50-36/6	1054	45.7	9.2	902	67	2850	3	3×4		
152	150QJ(QJR)50-42/7	1184	51.2	11	982	74	2850	3	3×6		
153	150QJ(QJR)50-48/8	1314	56.7	11	982	74	2850	3	3×6		
154	150QJ(QJR)50-54/9	1444	62.2	13	1022	77	2850	3	3×6		
155	150QJ(QJR)50-60/10	1574	67.7	15	1092	84	2850	3	3×6		
156	150QJ(QJR)50-66/11	1704	73.2	18.5	1132	87	2850	3	3×6		
157	150QJ(QJR)50-72/12	1834	78.7	18.5	1132	87	2850	3	3×6		
158	175QJ(QJR)10-30/2	340	23	3	710	52	2850	2	3×2.5		168
159	175QJ(QJR)10-45/3	460	30	4	715	53	2850	2	3×4		
160	175QJ(QJR)10-60/4	718	46	5.5	735	56	2850	2	3×4		
161	175QJ(QJR)10-90/6	958	60	7.5	755	59	2850	2	3×6		
162	175QJ(QJR)10-105/7	1078	67	9.2	815	70	2850	2	3×6		
163	175QJ(QJR)10-135/9	1318	81	11	835	72.6	2850	2	3×6		
164	175QJ(QJR)20-26/2	340	23	3	710	52	2850	2	3×2.5		
165	175QJ(QJR)20-39/3	460	30	4	715	53	2850	2	3×4		
166	175QJ(QJR)20-52/4	718	46	5.5	735	56	2850	2	3×4		
167	175QJ(QJR)20-65/5	838	53	7.5	755	59	2850	2	3×4		
168	175QJ(QJR)20-78/6	958	60	7.5	755	59	2850	2	3×6		
169	175QJ(QJR)20-91/7	1078	67	9.2	815	70	2850	2	3×6		
170	175QJ(QJR)20-104/8	1198	74	11	835	72.6	2850	2	3×6		
171	175QJ(QJR)20-117/9	1318	81	13	865	76.2	2850	2	3×6		
172	175QJ(QJR)20-13/10	1438	88	13	865	76.2	2850	2	3×6		
173	175QJ(QJR)20-182/14	1918	116	18.5	960	93	2850	2	3×6		
174	175QJ(QJR)20-195/15	2038	123	22	965	93.6	2850	2	3×10		
175	175QJ(QJR)20-208/16	2158	130	22	965	93.6	2850	2	3×10		
176	175QJ(QJR)20-221/17	2278	137	22	965	93.6	2850	2	3×10		
177	175QJ(QJR)20-234/18	2398	144	25	985	95	2850	2	3×16		
178	175QJ(QJR)20-247/19	2518	151	25	985	95	2850	2	3×16		
179	175QJ(QJR)32-24/2	340	24	4	715	53	2850	2.5	3×4		
180	175QJ(QJR)32-36/3	460	31	5.5	735	56	2850	2.5	3×4		
181	175QJ(QJR)32-48/4	718	47	7.5	755	59	2850	2.5	3×4		
182	175QJ(QJR)32-60/5	838	54	9.2	815	70	2850	2.5	3×16		



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基本参数表 BASIC PARAMETER TABLE

序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spec- ification	电泵最 大外径 Pump max. External dia. (mm)
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)				
183	175QJ(QJR)32-72/16	958	61	11	835	72.6	2850	2.5	3×6	168
184	175QJ(QJR)32-84/7	1078	68	13	865	76.2	2850	2.5	3×6	
185	175QJ(QJR)32-96/8	1198	75	15	905	81	2850	2.5	3×6	
186	175QJ(QJR)32-108/9	1318	82	18.5	960	93	2850	2.5	3×6	
187	175QJ(QJR)32-120/10	1438	90	18.5	960	93	2850	2.5	3×6	
188	175QJ(QJR)32-132/11	1558	96	22	965	93.6	2850	2.5	3×10	
189	175QJ(QJR)32-144/12	1678	102	22	965	93.6	2850	2.5	3×10	
190	175QJ(QJR)32-156/13	1798	119	22	965	93.6	2850	2.5	3×10	
191	175QJ(QJR)32-168/14	1918	126	25	985	95	2850	2.5	3×10	
192	175QJ(QJR)40-24/2	340	24	5.5	735	56	2850	2.5	3×4	
193	175QJ(QJR)40-36/3	460	31	7.5	755	59	2850	2.5	3×4	
194	175QJ(QJR)40-48/4	718	47	9.2	815	70	2850	2.5	3×6	
195	175QJ(QJR)40-60/5	838	54	11	835	72.6	2850	2.5	3×6	
196	175QJ(QJR)40-72/6	958	61	13	865	76.2	2850	2.5	3×6	
197	175QJ(QJR)40-84/7	1078	68	15	905	81	2850	2.5	3×6	
198	175QJ(QJR)40-96/8	1198	75	18.5	960	93	2850	2.5	3×6	
199	175QJ(QJR)40-108/9	1318	82	22	965	93.6	2850	2.5	3×10	
200	175QJ(QJR)40-120/10	1438	90	22	965	93.6	2850	2.5	3×10	
201	175QJ(QJR)40-132/11	1558	96	25	985	95	2850	2.5	3×10	
202	175QJ(QJR)50-24/2	340	24	5.5	735	56	2850	3	3×4	
203	175QJ(QJR)50-36/3	460	31	9.2	815	70	2850	3	3×4	
204	175QJ(QJR)50-48/4	718	47	11	835	72.6	2850	3	3×6	
205	175QJ(QJR)50-60/5	838	54	13	865	76.2	2850	3	3×6	
206	175QJ(QJR)50-72/6	958	61	15	905	81	2850	3	3×6	
207	175QJ(QJR)50-84/7	1078	68	18.5	960	93	2850	3	3×6	
208	175QJ(QJR)50-96/8	1198	75	22	965	93.6	2850	3	3×10	
209	175QJ(QJR)50-108/9	1318	82	25	985	95	2850	3	3×10	
210	200QJ(QJR)10-52/3	445	39	4	670	67	2850	2	3×2.5	
211	200QJ(QJR)10-70/4	565	49	5.5	690	71	2850	2	3×2.5	
212	200QJ(QJR)10-105/6	965	76	7.5	705	74	2850	2	3×4	
213	200QJ(QJR)10-122/7	1085	86	9.2	750	79	2850	2	3×6	
214	200QJ(QJR)10-140/8	1205	96	11	765	82	2850	2	3×6	
215	200QJ(QJR)10-175/10	1445	115	13	780	87	2850	2	3×6	
216	200QJ(QJR)10-210/12	1685	134	15	815	90	2850	2	3×6	
217	200QJ(QJR)10-245/14	1925	154	18.5	870	107	2850	2	3×10	
218	200QJ(QJR)10-280/16	2165	174	22	970	118	2850	2	3×10	

基本参数表 BASIC PARAMETER TABLE

序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spec- ification	电泵最 大外径 Pump max. External dia. (mm)
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)				
219	200QJ(QJR)10-296/17	2258	184	22	970	118	2850	2	3×10	184
220	200QJ(QJR)20-40/3	445	39	4	670	67	2850	2	3×2.5	
221	200QJ(QJR)20-54/4	565	49	5.5	690	71	2850	2	3×2.5	
222	200QJ(QJR)20-67/5	845	67	7.5	705	79	2850	2	3×4	
223	200QJ(QJR)20-81/6	965	76	7.5	705	79	2850	2	3×4	
224	200QJ(QJR)20-93/7	1085	86	9.2	750	79	2850	2	3×6	
225	200QJ(QJR)20-108/8	1205	96	11	765	82	2850	2	3×6	
226	200QJ(QJR)20-121/9	1325	105	13	780	87	2850	2	3×6	
227	200QJ(QJR)20-133/10	1445	115	15	815	90	2850	2	3×6	
228	200QJ(QJR)20-148/11	1565	125	15	815	90	2850	2	3×6	
229	200QJ(QJR)20-160/12	1685	134	18.5	870	107	2850	2	3×10	
230	200QJ(QJR)20-175/13	1805	144	18.5	870	107	2850	2	3×10	
231	200QJ(QJR)20-186/14	1925	154	18.5	870	107	2850	2	3×10	
232	200QJ(QJR)20-202/15	2045	165	22	970	118	2850	2	3×10	
233	200QJ(QJR)20-212/16	2165	174	22	970	118	2850	2	3×16	
234	200QJ(QJR)20-226/17	2285	184	22	970	118	2850	2	3×16	
235	200QJ(QJR)20-243/18	2405	198	25	1040	125	2850	2	3×16	
236	200QJ(QJR)20-252/19	2525	208	25	1040	125	2850	2	3×16	
237	200QJ(QJR)20-270/20	2645	218	30	1105	139	2850	2	3×16	
238	200QJ(QJR)20-297/22	3005	245	30	1105	139	2850	2	3×25	
239	200QJ(QJR)20-338/25	3365	275	37G	1185	149	2850	2.5	3×25	
240	200QJ(QJR)20-350/26	3485	285	37T	1185	149	2850	2.5	3×25	
241	200QJ(QJR)20-363/27	3605	295	37T	1185	149	2850	2.5	3×35	
242	200QJ(QJR)20-400/30	3965	325	45T	1290	168	2850	2.5	3×35	
243	200QJ(QJR)20-450/34	4445	365	45T	1290	168	2850	2.5	3×35	
244	200QJ(QJR)20-490/37	4805	395	55T	1450	193	2850	2.5	3×50	
245	200QJ(QJR)20-517/39	5045	415	55T	1450	193	2850	2.5	3×70	
246	200QJ(QJR)20-543/41	5285	435	55T	1450	193	2850	2.5	3×70	
247	200QJ(QJR)32-26/2	350	29	4	670	67	2850	2.5	3×2.5	
248	200QJ(QJR)32-39/3	485	38	5.5	690	71	2850	2.5	3×4	
249	200QJ(QJR)32-52/4	620	47	7.5	705	79	2850	2.5	3×4	
250	200QJ(QJR)32-65/5	915	64	11	765	82	2850	2.5	3×6	
251	200QJ(QJR)32-78/6	1050	73	11	765	82	2850	2.5	3×6	
252	200QJ(QJR)32-91/7	1185	82	13	780	87	2850	2.5	3×6	
253	200QJ(QJR)32-104/8	1320	91	15	815	90	2850	2.5	3×6	
254	200QJ(QJR)32-130/10	1590	108	18.5	870	107	2850	2.5	3×10	
255	200QJ(QJR)32-143/11	1725	117	22	970	118	2850	2.5	3×10	



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基本参数表 BASIC PARAMETER TABLE

序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spe- cification	电泵最 大外径 Pump max. External dia. (mm)
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)				
256	200QJ(QJR)32-156/12	1860	126	25	1040	125	2850	2.5	3×10	184
257	200QJ(QJR)32-169/13	1995	135	25	1040	125	2850	2.5	3×10	
258	200QJ(QJR)32-195/15	2265	153	30	1105	139	2850	2.5	3×16	
259	200QJ(QJR)32-234/18	2670	183	37	1185	149	2850	2.5	3×25	
260	200QJ(QJR)32-247/19	2940	201	37	1185	149	2850	2.5	3×25	
261	200QJ(QJR)32-260/20	3075	210	45	1290	168	2850	2.5	3×25	
262	200QJ(QJR)32-286/22	3345	228	45G	1290	168	2850	2.5	3×25	
263	200QJ(QJR)32-312/24	3615	246	55T	1450	193	2850	2.5	3×35	
264	200QJ(QJR)32-338/26	3885	264	55T	1450	193	2850	2.5	3×50	
265	200QJ(QJR)32-364/28	4155	282	55T	1450	193	2850	2.5	3×50	
266	200QJ(QJR)40-26/2	350	29	5.5	690	71	2850	2.5	3×4	
267	200QJ(QJR)40-39/3	485	38	7.5	705	79	2850	2.5	3×4	
268	200QJ(QJR)40-52/4	620	47	9.2	750	79	2850	2.5	3×6	
269	200QJ(QJR)40-65/5	915	64	11	765	82	2850	2.5	3×6	
270	200QJ(QJR)40-78/6	1050	73	15	815	90	2850	2.5	3×6	
271	200QJ(QJR)40-91/7	1185	82	18.5	870	107	2850	2.5	3×6	
272	200QJ(QJR)40-104/8	1320	91	18.5	870	107	2850	2.5	3×10	
273	200QJ(QJR)40-117/9	1455	100	22	970	118	2850	2.5	3×10	
274	200QJ(QJR)40-143/11	1725	118	25	1040	125	2850	2.5	3×10	
275	200QJ(QJR)40-169/13	1995	136	30	1105	139	2850	2.5	3×16	
276	200QJ(QJR)40-182/14	2130	145	37	1185	149	2850	2.5	3×16	
277	200QJ(QJR)40-195/15	2265	154	37	1185	149	2850	2.5	3×16	
278	200QJ(QJR)40-208/16	2400	162	37G	1185	149	2850	2.5	3×25	
279	200QJ(QJR)40-234/18	2670	180	45G	1290	168	2850	2.5	3×25	
280	200QJ(QJR)40-247/19	2940	200	45G	1290	168	2850	2.5	3×25	
281	200QJ(QJR)40-273/21	3210	218	55G	1450	193	2850	2.5	3×50	
282	200QJ(QJR)40-299/23	3480	236	55G	1450	193	2850	3	3×50	
283	200QJ(QJR)50-13/1	230	21	4	670	67	2850	3	3×2.5	
284	200QJ(QJR)50-17/1B	305	22	4	670	67	2850	3	3×4	
285	200QJ(QJR)50-26/2	380	32	5.5	690	71	2850	3	3×4	
286	200QJ(QJR)50-34/2B	460	33	9.2	750	79	2850	3	3×4	
287	200QJ(QJR)50-39/3	530	43	9.2	750	79	2850	3	3×4	
288	200QJ(QJR)50-52/3B	805	53	11	765	82	2850	3	3×6	
289	200QJ(QJR)50-68/4B	960	64	15	815	90	2850	3	3×6	
290	200QJ(QJR)50-78/6	1170	85	18.5	870	107	2850	3	3×6	
291	200QJ(QJR)50-85/5B	1115	75	22	970	118	2850	3	3×6	
292	200QJ(QJR)50-91/7	1320	96	22	970	118	2850	3	3×10	

基本参数表 BASIC PARAMETER TABLE

序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spe- cification	电泵最 大外径 Pump max. External dia. (mm)
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)				
293	200QJ(QJR)50-104/6B	1270	86	25	1040	125	2850	3	3×10	184
294	200QJ(QJR)50-117/7B	1425	97	30	1105	139	2850	3	3×16	
295	200QJ(QJR)50-136/8B	1580	108	30	1105	139	2850	3	3×16	
296	200QJ(QJR)50-156/9B	1735	119	37	1185	149	2850	3	3×16	
297	200QJ(QJR)50-170/10B	1890	130	45	1290	168	2850	3	3×25	
298	200QJ(QJR)50-187/11B	2045	141	45	1290	168	2850	3	3×25	
299	200QJ(QJR)50-204/12B	2220	152	55G	1450	193	2850	3	3×35	
300	200QJ(QJR)50-221/13B	2355	163	55G	1450	193	2850	3	3×35	
301	200QJ(QJR)50-238/14B	2510	174	55G	1450	193	2850	3	3×50	
302	200QJ(QJR)63-12/1	230	21	4	670	67	2850	3	3×2.5	
303	200QJ(QJR)63-17/1B	305	22	5.5	690	71	2850	3	3×4	
304	200QJ(QJR)63-24/2	380	32	7.5	705	74	2850	3	3×4	
305	200QJ(QJR)63-34/2B	460	33	11	765	82	2850	3	3×6	
306	200QJ(QJR)63-51/3B	805	53	15	815	90	2850	3	3×6	
307	200QJ(QJR)63-68/4B	960	64	22	970	118	2850	3	3×10	
308	200QJ(QJR)63-72/6B	1170	85	22	970	118	2850	3	3×10	
309	200QJ(QJR)63-85/5B	1115	75	25	1040	125	2850	3	3×10	
310	200QJ(QJR)63-102/6B	1270	86	30	1105	139	2850	3	3×16	
311	200QJ(QJR)63-120/7B	1425	97	37	1185	149	2850	3	3×16	
312	200QJ(QJR)63-136/8B	1580	108	45	1290	168	2850	3	3×35	
313	200QJ(QJR)63-153/9B	1735	119	45	1290	168	2850	3	3×35	
314	200QJ(QJR)63-170/10B	1890	130	55G	1450	193	2850	3	3×35	
315	200QJ(QJR)63-187/11B	2045	141	55G	1450	193	2850	3	3×35	
316	200QJ(QJR)80-11/1	315	22	4	670	67	2850	4	3×2.5	
317	200QJ(QJR)80-16/1B	315	22	7.5	705	74	2850	4	3×4	
318	200QJ(QJR)80-22/2	475	33	7.5	705	74	2850	4	3×4	
319	200QJ(QJR)80-33/2B	475	33	11	765	82	2850	4	3×6	
320	200QJ(QJR)80-44/4	975	56	15	815	90	2850	4	3×6	
321	200QJ(QJR)80-48/3B	815	53	18.5	870	107	2850	4	3×10	
322	200QJ(QJR)80-55/5	1135	76	18.5	870	107	2850	4	3×10	
323	200QJ(QJR)80-66/4B	975	64	22	970	118	2850	4	3×10	
324	200QJ(QJR)80-80/5B	1135	75	30	1105	139	2850	4	3×16	
325	200QJ(QJR)80-99/6B	1295	86	37	1185	149	2850	4	3×16	
326	200QJ(QJR)80-112/7B	1455	97	45	1290	168	2850	4	3×16	
327	200QJ(QJR)80-128/8B	1615	108	55G	1450	193	2850	4	3×25	
328	200QJ(QJR)80-144/9B	1775	119	55G	1450	193	2850	4	3×25	



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基本参数表 BASIC PARAMETER TABLE

序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spe- cification	电泵最 大外径 Pump max. External dia. (mm)
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)				
329	250QJ(QJR)32-23/1	300	29	4	670	67	2875	2.5	3×4	233
330	250QJ(QJR)32-46/2	435	43	7.5	705	74	2875	2.5	3×4	
331	250QJ(QJR)32-69/3	570	57	13	780	87	2875	2.5	3×6	
332	250QJ(QJR)32-92/4	855	81	15	815	90	2875	2.5	3×6	
333	250QJ(QJR)32-115/5	990	94	18.5	945	130	2875	2.5	3×6	
334	250QJ(QJR)32-138/6	1125	108	22	965	138	2875	2.5	3×10	
335	250QJ(QJR)32-161/7	1260	122	25	985	145	2875	2.5	3×10	
336	250QJ(QJR)32-184/8	1395	136	30	1020	156	2875	2.5	3×16	
337	250QJ(QJR)32-207/9	1530	150	37	1060	165	2875	2.5	3×16	
338	250QJ(QJR)32-230/10	1665	164	37	1060	165	2875	2.5	3×25	
339	250QJ(QJR)32-253/11	1800	178	45	1125	185	2875	2.5	3×25	
340	250QJ(QJR)32-276/12	1935	192	45	1125	185	2875	2.5	3×25	
341	250QJ(QJR)32-300/13	2070	206	55G	1200	195	2875	3	3×35	
342	250QJ(QJR)32-322/14	2205	219	55G	1200	195	2875	3	3×35	
343	250QJ(QJR)32-345/15	2340	233	63T	1365	237	2875	3	3×50	
344	250QJ(QJR)32-368/16	2475	247	63T	1365	237	2875	3	3×50	
345	250QJ(QJR)32-391/17	2610	261	63T	1365	237	2875	3	3×70	
346	250QJ(QJR)32-414/18	2880	289	75T	1515	280	2875	3	3×70	
347	250QJ(QJR)32-437/19	3015	303	75T	1515	280	2875	3	3×70	
348	250QJ(QJR)32-460/20	3150	316	75T	1515	280	2875	3	3×70	
349	250QJ(QJR)32-483/21	3285	330	90T	1635	305	2875	3	3×95	
350	250QJ(QJR)32-506/22	3420	344	90T	1635	305	2875	3	3×120	
351	250QJ(QJR)32-529/23	3555	358	90T	1635	305	2875	3	3×120	
352	250QJ(QJR)32-552/24	3690	372	90T	1635	305	2875	3	3×150	
353	250QJ(QJR)32-275/25	3825	386	110T	1825	330	2875	3	3×150	
354	250QJ(QJR)32-598/26	3960	400	110T	1825	330	2875	3	3×150	
355	250QJ(QJR)50-20/1	315	32	5.5	690	71	2875	3	3×4	
356	250QJ(QJR)50-40/2	475	48	9.2	705	74	2875	3	3×4	
357	250QJ(QJR)50-60/3	635	64	13	780	87	2875	3	3×6	
358	250QJ(QJR)50-80/4	995	94	18.5	945	130	2875	3	3×6	
359	250QJ(QJR)50-100/5	1155	110	22	965	138	2875	3	3×10	
360	250QJ(QJR)50-120/6	1315	126	25	985	145	2875	3	3×16	
361	250QJ(QJR)50-140/7	1475	158	37	1060	165	2875	3	3×16	
362	250QJ(QJR)50-160/8	1635	180	37	1060	165	2875	3	3×16	
363	250QJ(QJR)50-180/9	1795	190	45	1125	185	2875	3	3×25	
364	250QJ(QJR)50-200/10	1955	206	45	1125	185	2875	3	3×25	
365	250QJ(QJR)50-220/11	2115	238	55G	1200	195	2875	3	3×25	

基本参数表 BASIC PARAMETER TABLE

序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spe- cification	电泵最 大外径 Pump max. External dia. (mm)
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)				
366	250QJ(QJR)50-240/12	2275	270	55G	1200	195	2875	3	3×50	233
367	250QJ(QJR)50-260/13	2435	302	63G	1365	237	2875	3	3×50	
368	250QJ(QJR)50-280/14	2595	318	63G	1365	237	2875	3	3×50	
369	250QJ(QJR)50-300/15	2915	350	63G	1365	237	2875	3	3×70	
370	250QJ(QJR)50-320/16	3075	366	75T	1515	280	2875	3	3×70	
371	250QJ(QJR)50-340/17	3235	382	90T	1635	305	2875	3	3×95	
372	250QJ(QJR)50-360/18	3395	398	90T	1635	305	2875	3	3×95	
373	250QJ(QJR)50-380/19	3555	415	110T	1825	330	2875	3	3×120	
374	250QJ(QJR)50-400/20	3715	430	110T	1825	330	2875	3	3×120	
375	250QJ(QJR)50-420/21	3875	445	110T	1825	330	2875	3	3×150	
376	250QJ(QJR)50-440/22	4035	462	110T	1825	330	2875	3	3×150	
377	250QJ(QJR)50-460/23	4195	480	110T	1825	330	2875	3	3×150	
378	250QJ(QJR)50-480/24	4355	495	110T	1825	330	2875	4	3×150	
379	250QJ(QJR)50-500/25	4515	513	110T	1825	330	2875	4	3×150	
380	250QJ(QJR)80-20/1	330	32	7.5	705	74	2875	4	3×4	
381	250QJ(QJR)80-40/2	495	51	15	815	90	2875	4	3×6	
382	250QJ(QJR)80-60/3	860	70	22	965	138	2875	4	3×10	
383	250QJ(QJR)80-80/4	1025	104	30	1020	156	2875	4	3×16	
384	250QJ(QJR)80-100/5	1190	123	37	1060	165	2875	4	3×16	
385	250QJ(QJR)80-120/6	1355	142	45	1125	185	2875	4	3×16	
386	250QJ(QJR)80-140/7	1520	161	55	1200	195	2875	4	3×25	
387	250QJ(QJR)80-160/8	1685	181	55	1365	237	2875	4	3×25	
388	250QJ(QJR)80-180/9	1850	200	63	1365	237	2875	4	3×35	
389	250QJ(QJR)80-200/10	2015	219	75	1515	280	2875	4	3×35	
390	250QJ(QJR)80-220/11	2180	239	90G	1635	305	2875	4	3×50	
391	250QJ(QJR)80-240/12	2345	258	90G	1635	305	2875	4	3×50	
392	250QJ(QJR)80-260/13	2510	277	90G	1635	305	2875	4	3×70	
393	250QJ(QJR)80-280/14	2675	296	110G	1825	330	2875	4	3×70	
394	250QJ(QJR)80-300/15	3005	335	110T	1825	330	2875	4	3×70	
395	250QJ(QJR)80-320/16	3170	353	110T	1825	330	2875	4	3×95	
396	250QJ(QJR)100-18/1	330	32	7.5	705	74	2875	4	3×4	
397	250QJ(QJR)100-36/2	495	51	15	815	90	2875	4	3×6	
398	250QJ(QJR)100-54/3	860	70	25	985	145	2875	4	3×16	
399	250QJ(QJR)100-72/4	1025	104	30	1020	156	2875	4	3×16	
400	250QJ(QJR)100-90/5	1190	123	45	1125	185	2875	4	3×16	
401	250QJ(QJR)100-108/6	1355	142	45	1125	185	2875	4	3×25	
402	250QJ(QJR)100-126/7	1520	161	55	1365	237	2875	4	3×25	



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基本参数表 BASIC PARAMETER TABLE

序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spe- cification	电泵最 大外径 Pump max. External dia. (mm)
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)				
403	250QJ(QJR)100-144/8	1685	181	63	1365	237	2875	4	3×35	233
404	250QJ(QJR)100-162/9	1850	200	75	1515	280	2875	4	3×35	
405	250QJ(QJR)100-180/10	2015	219	75	1515	280	2875	4	3×35	
406	250QJ(QJR)100-198/11	2180	239	90G	1635	305	2875	4	3×50	
407	250QJ(QJR)100-216/12	2345	258	110G	1825	330	2875	4	3×70	
408	250QJ(QJR)100-234/13	2510	277	110G	1825	330	2875	4	3×95	
409	250QJ(QJR)100-252/14	2675	296	110T	1825	330	2875	4	3×95	
410	250QJ(QJR)125-16/1	315	30	9.2	750	79	2875	5	3×4	
411	250QJ(QJR)125-32/2	480	49	18.5	945	130	2875	5	3×6	
412	250QJ(QJR)125-48/3	645	68	25	985	156	2875	5	3×10	
413	250QJ(QJR)125-64/4	1010	87	37	1060	165	2875	5	3×16	
414	250QJ(QJR)125-80/5	1175	106	45	1125	185	2875	5	3×16	
415	250QJ(QJR)125-96/6	1340	125	55	1200	195	2875	5	3×25	
416	250QJ(QJR)125-112/7	1505	144	63	1365	237	2875	5	3×35	
417	250QJ(QJR)125-128/8	1670	163	75	1515	280	2875	5	3×35	
418	250QJ(QJR)125-144/9	1835	182	90G	1635	305	2875	5	3×35	
419	250QJ(QJR)125-160/10	2000	202	90G	1635	305	2875	5	3×35	
420	250QJ(QJR)125-176/11	2165	220	110T	1825	330	2875	5	3×50	
421	250QJ(QJR)125-192/12	2330	239	110T	1825	330	2875	5	3×50	
422	250QJ(QJR)125-208/13	2495	258	110T	1825	330	2875	5	3×70	
423	250QJ(QJR)140-15/1	315	30	9.2	750	79	2875	5	3×6	
424	250QJ(QJR)140-30/2	480	49	18.5	945	130	2875	5	3×6	
425	250QJ(QJR)140-45/3	645	68	30	1020	156	2875	5	3×16	
426	250QJ(QJR)140-60/4	1010	87	37	1060	165	2875	5	3×16	
427	250QJ(QJR)140-75/5	1175	106	45	1125	185	2875	5	3×16	
428	250QJ(QJR)140-90/6	1340	125	55	1200	195	2875	5	3×25	
429	250QJ(QJR)140-105/7	1505	144	63	1365	237	2875	5	3×35	
430	250QJ(QJR)140-120/8	1670	163	75	1515	280	2875	5	3×35	
431	250QJ(QJR)140-150/10	2000	202	90T	1635	305	2875	5	3×5	
432	250QJ(QJR)140-165/11	2165	220	110T	1825	330	2875	5	3×50	
433	250QJ(QJR)140-180/12	2330	239	110T	1825	330	2875	5	3×50	
434	250QJ(QJR)150-20/1	435	49	15	815	90	2875	5	3×6	
435	250QJ(QJR)150-40/2	670	75	30	1020	156	2875	5	3×6	
436	250QJ(QJR)150-60/3	1142	120	45	1125	185	2875	5	3×16	
437	250QJ(QJR)150-80/4	1377	147	55	1200	195	2875	5	3×16	
438	250QJ(QJR)150-100/5	1612	173	63	1365	237	2875	5	3×16	
439	250QJ(QJR)150-120/6	1847	200	75	1515	280	2875	5	3×25	

基本参数表 BASIC PARAMETER TABLE

序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spe- cification	电泵最 大外径 Pump max. External dia. (mm)
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)				
440	250QJ(QJR)150-140/7	2082	226	90T	1635	305	2875	5	3×35	233
441	250QJ(QJR)150-160/8	2317	252	110T	1825	330	2875	5	3×50	
442	250QJ(QJR)160-15/1	435	49	11	765	82	2875	5	3×6	
443	250QJ(QJR)160-30/2	670	75	22	965	138	2875	5	3×16	
444	250QJ(QJR)160-45/3	1142	120	37	1060	165	2875	5	3×16	
445	250QJ(QJR)160-60/4	1377	147	45	1125	185	2875	5	3×25	
446	250QJ(QJR)160-75/5	1612	173	55	1200	195	2875	5	3×25	
447	250QJ(QJR)160-18/1B	435	49	13	780	87	2875	5	3×6	
448	250QJ(QJR)160-36/2B	670	75	25	985	145	2875	5	3×16	
449	250QJ(QJR)160-54/3B	1142	120	37	1060	165	2875	5	3×16	
450	250QJ(QJR)160-72/4B	1377	147	55	1200	195	2875	5	3×25	
451	250QJ(QJR)160-90/5B	1612	173	63	1365	237	2875	5	3×35	
452	300QJ(QJR)140-21/1	435	49	13	780	87	2900	5	3×6	
453	300QJ(QJR)140-42/2	670	75	25	985	145	2900	5	3×16	
454	300QJ(QJR)140-63/3	1142	120	37	1060	165	2900	5	3×16	
455	300QJ(QJR)140-84/4	1377	147	55	1200	195	2900	5	3×25	
456	300QJ(QJR)140-105/5	1612	173	63	2143	562	2900	5	3×35	
457	300QJ(QJR)140-126/6	1847	200	75	2183	581	2900	5	3×35	
458	300QJ(QJR)140-147/7	2082	226	90G	2238	607	2900	5	3×50	
459	300QJ(QJR)140-168/8	2317	252	110T	2308	640	2900	5	3×50	
460	300QJ(QJR)140-189/9	2552	278	110T	2308	640	2900	5	3×70	
461	300QJ(QJR)140-210/10	3022	330	125T	2398	682	2900	5	3×95	
462	300QJ(QJR)140-231/11	3257	356	140T	2518	739	2900	5	3×95	
463	300QJ(QJR)160-25/1	400	50	18.5	945	130	2900	5	3×16	
464	300QJ(QJR)160-50/2	600	75	37	1060	165	2900	5	3×16	
465	300QJ(QJR)160-30/1B	400	50	22	965	138	2900	5	3×16	
466	300QJ(QJR)160-60/2B	600	75	45	1125	185	2900	5	3×25	
467	300QJ(QJR)160-90/3B	1050	130	63	1418	502	2900	5	3×35	
468	300QJ(QJR)200-20/1	400	50	18.5	945	130	2900	5	3×6	
469	300QJ(QJR)200-40/2	600	75	37	1060	165	2900	5	3×16	
470	300QJ(QJR)200-60/3	1050	130	55	1200	195	2900	5	3×25	
471	300QJ(QJR)200-80/4	1250	159	75	2183	581	2900	5	3×35	
472	300QJ(QJR)200-100/5	1450	188	90G	2238	607	2900	5	3×50	
473	300QJ(QJR)200-120/6	1650	216	110T	2308	640	2900	5	3×50	
474	300QJ(QJR)200-140/7	1850	245	125T	2398	682	2900	5	3×70	
475	300QJ(QJR)200-160/8	2050	273	140T	2518	739	2900	5	3×70	
476	300QJ(QJR)200-15/1B	400	50	13	780	87	2900	5	3×6	
477	300QJ(QJR)200-30/2B	600	75	25	985	145	2900	5	3×16	

基本参数表 BASIC PARAMETER TABLE

序号 No	型号 Model	潜水泵 Submersible pump		配套潜水电机 Matching submersible motor			转速 Speed r/min	出水管 直径 Outlet pipe diameter (")	配套电 缆规格 Matching cable spe- cification	电泵最 大外径 Pump max. External dia. (mm)
		高度 Height (mm)	重量 Weight (kg)	功率 Power (kW)	高度 Height (mm)	重量 Weight (kg)				
478	300QJ(QJR)210-25/1	400	50	25	985	145	2900	6	3×16	281
479	300QJ(QJR)210-50/2	600	75	45	1125	185	2900	6	3×25	
480	300QJ(QJR)230-20/1	400	50	22	965	138	2900	6	3×6	
481	300QJ(QJR)230-40/2	600	75	45	1125	185	2900	6	3×16	
482	300QJ(QJR)230-60/3	1050	130	75	2183	581	2900	6	3×25	
483	300QJ(QJR)230-80/4	1250	159	90G	2238	607	2900	6	3×35	
484	300QJ(QJR)230-100/5	1450	188	90G	2238	607	2900	6	3×50	
485	300QJ(QJR)250-15/1	400	50	18.5	945	130	2900	6	3×6	
486	300QJ(QJR)250-30/2	600	75	37	1060	165	2900	6	3×16	
487	300QJ(QJR)250-24/1B	430	52	30	1020	156	2900	6	3×16	
488	300QJ(QJR)250-48/2B	910	100	55	1200	195	2900	6	3×25	
489	300QJ(QJR)250-72/3B	1140	125	90G	2238	607	2900	6	3×35	
490	300QJ(QJR)320-28/1	430	52	45	1125	185	2900	8	3×16	
491	300QJ(QJR)320-56/2	910	100	75	2183	581	2900	8	3×35	
492	300QJ(QJR)320-84/3	1140	125	125G	2398	682	2900	8	3×50	
493	350QJ(QJR)250-25/1	573	58	30	1020	156	2900	6	3×25	
494	350QJ(QJR)250-50/2	1111	130	63	2143	562	2900	6	3×35	
495	350QJ(QJR)250-75/3	1389	180	90G	2238	607	2900	6	3×50	
496	350QJ(QJR)250-100/4	1667	234	125G	2398	682	2900	6	3×50	
497	350QJ(QJR)320-30/1	573	58	45	1125	185	2900	8	3×16	
498	350QJ(QJR)320-60/2	1111	130	90G	2238	607	2900	8	3×50	
499	350QJ(QJR)320-90/3	1389	180	125G	2518	739	2900	8	3×50	
500	350QJ(QJR)320-20/1B	573	58	30	1020	156	2900	8	3×16	
501	350QJ(QJR)320-40/2B	1111	130	63	2143	562	2900	8	3×35	
502	400QJ(QJR)500-40/1	640	99	90G	2238	607	2900	8	3×50	
503	400QJ(QJR)500-20/1B	640	99	45	1125	185	2900	8	3×25	

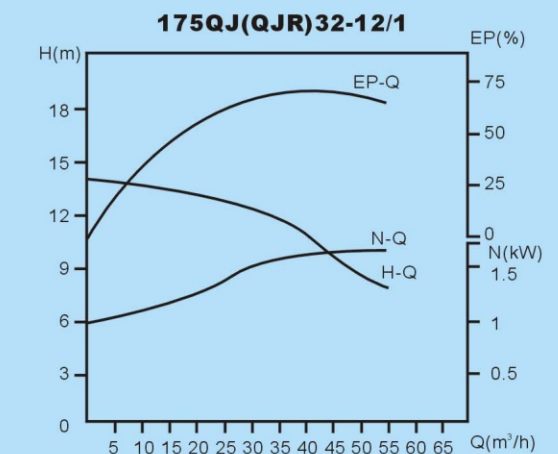
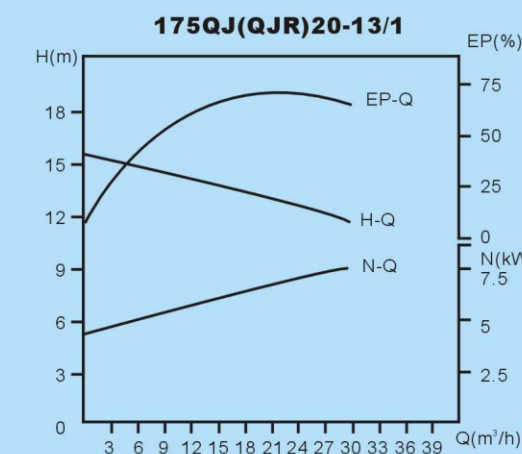
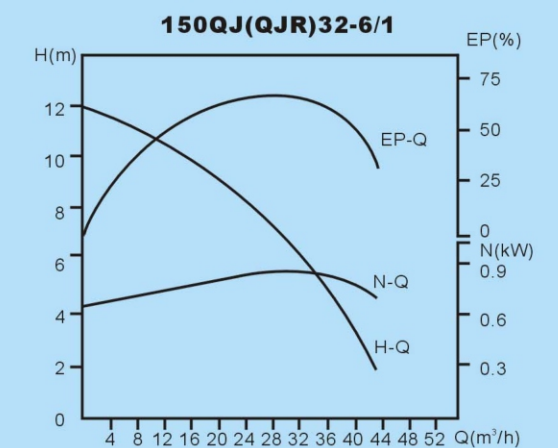
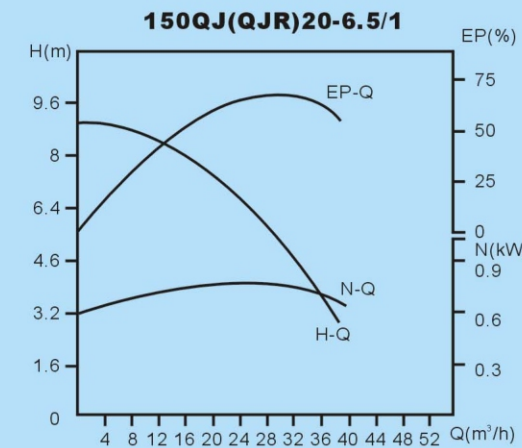
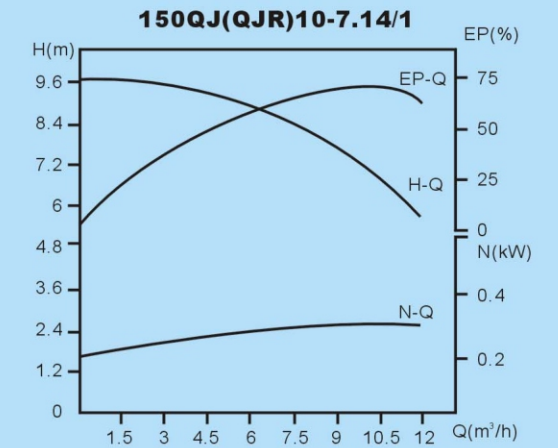
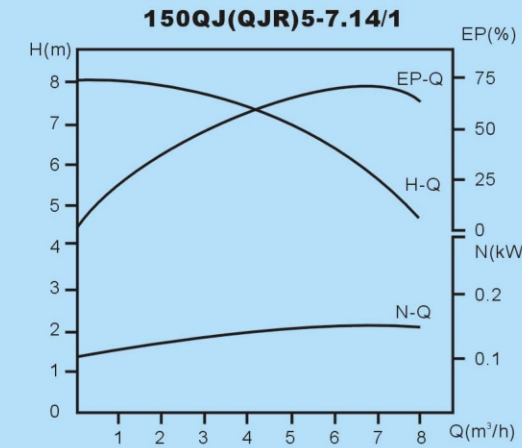
说明:

- 1、表中配套电机功率后加“T”为此型号的潜水电机和潜水泵为特殊制造和特殊服务。
- 2、表中潜水泵型号加“B”为设计序列号。
- 3、表中配套电机后加“G”为增加电机承载装置，提高电泵的可靠性和使用寿命。

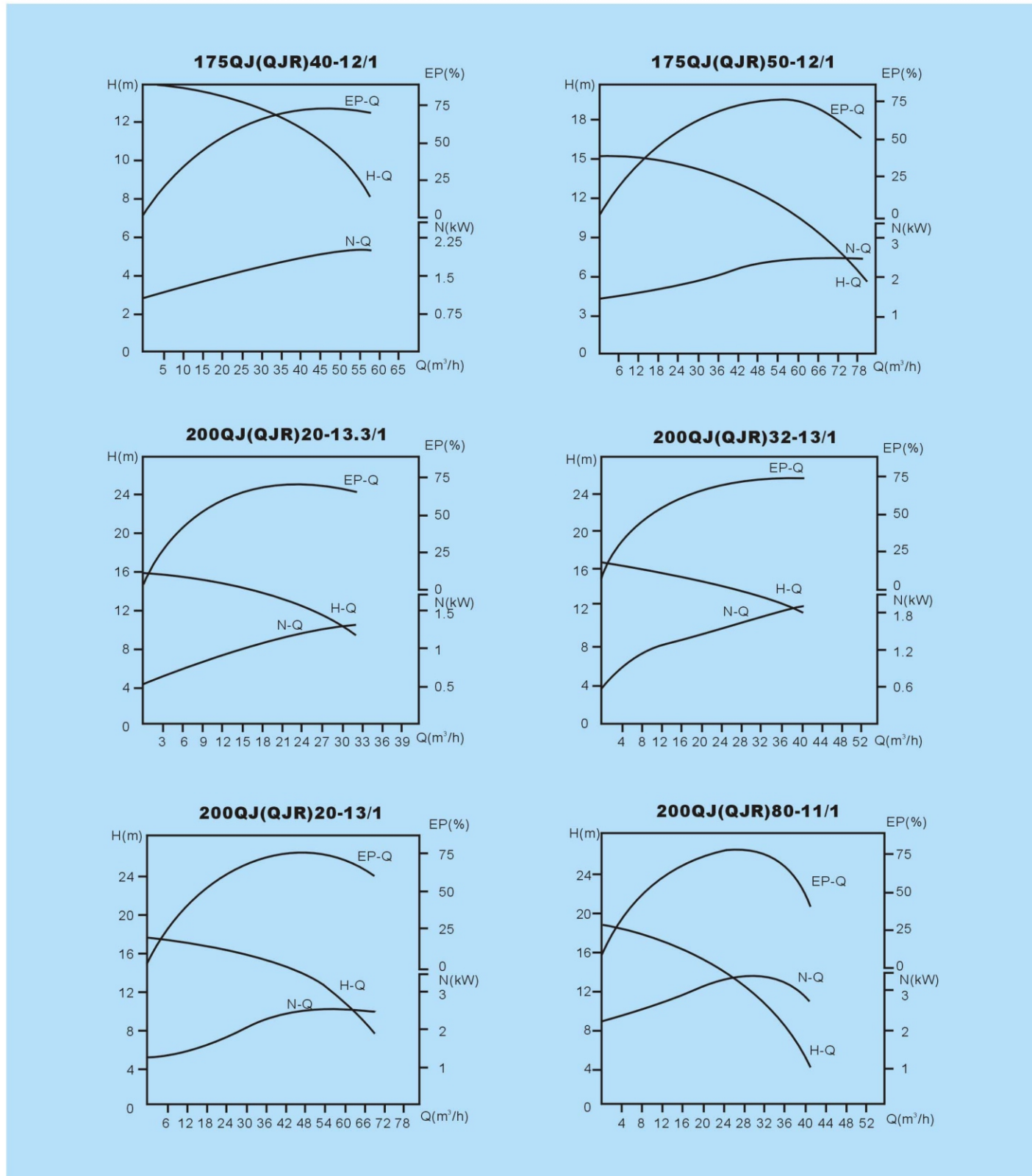
Note:

1. The “T” comes to the rear of matching motor power in the table means the submersible motor and submersible pump of this type is specially manufactured and served.
2. The “B” comes to the rear of submersible pump type in the table means the design number.
3. The “G” comes to the rear of matching motor in the table means carrying device added to motor for increasing the reliability and service life.

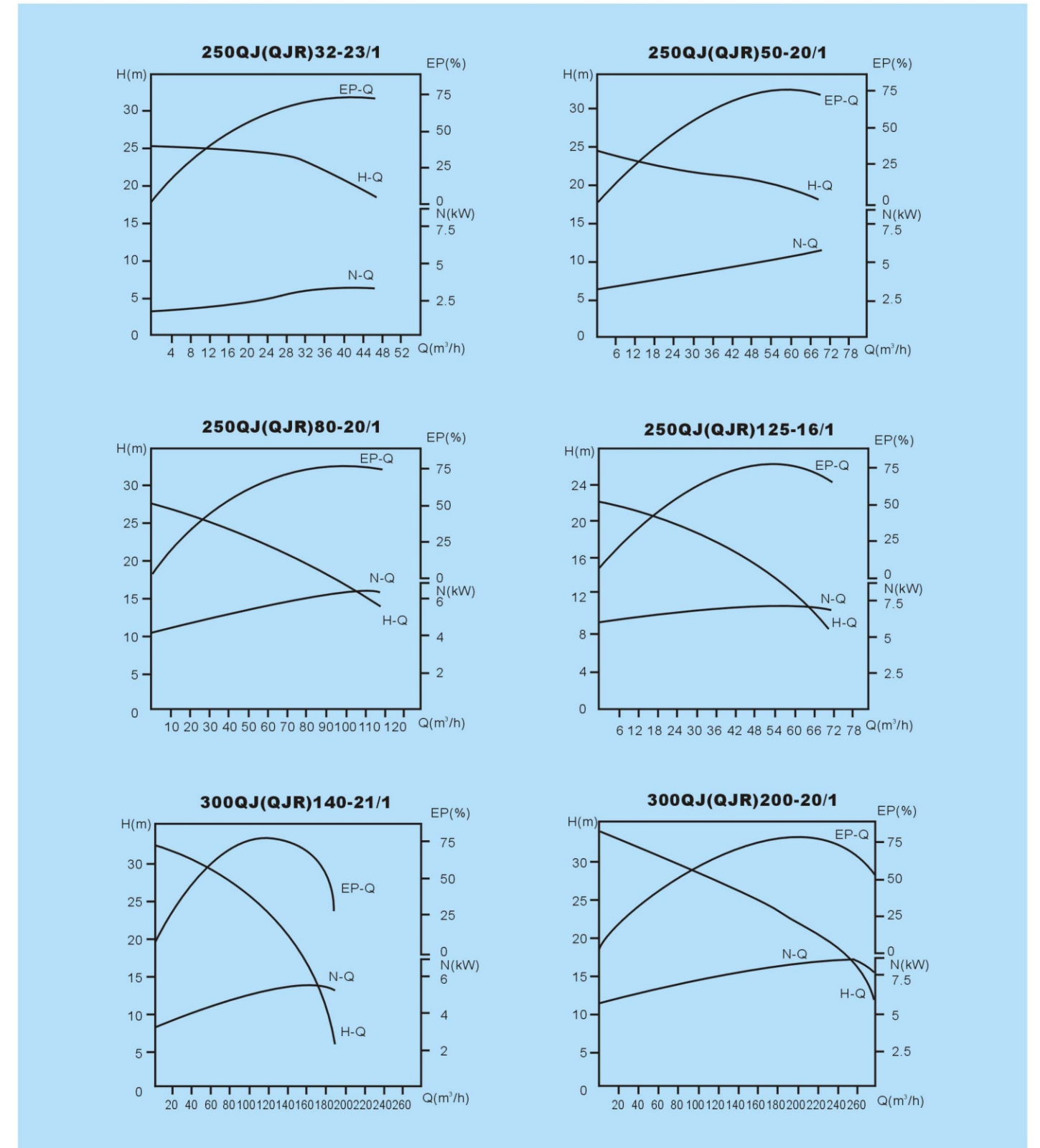
性能曲线图 PERFORMANCE CURVE



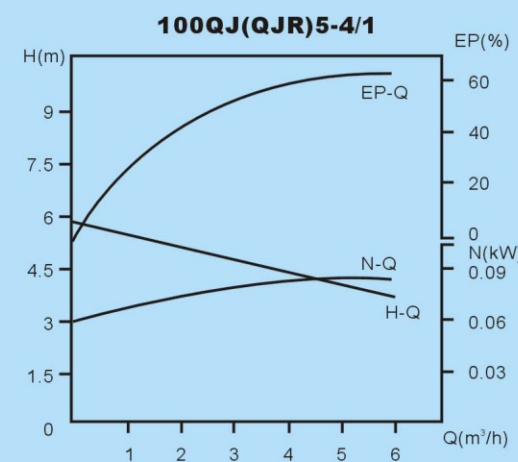
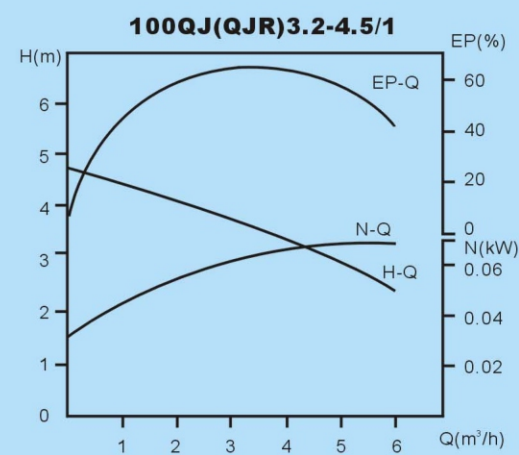
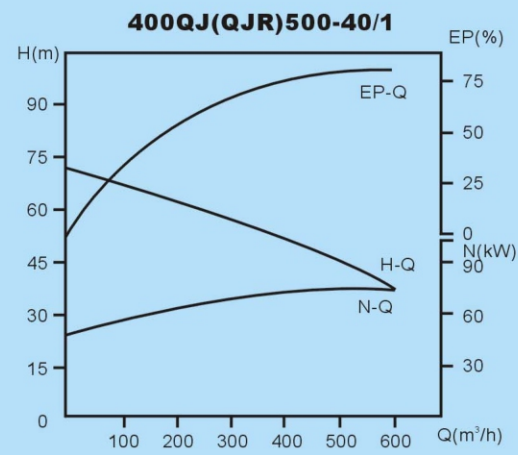
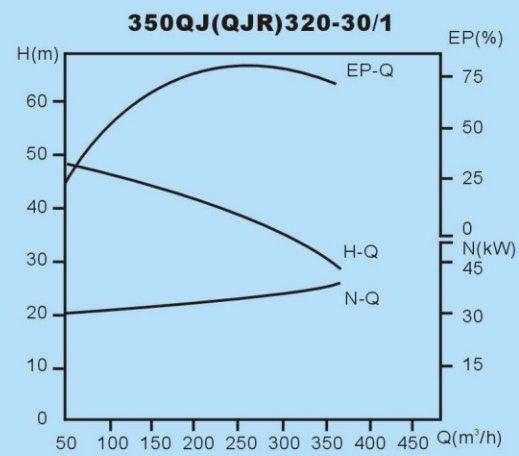
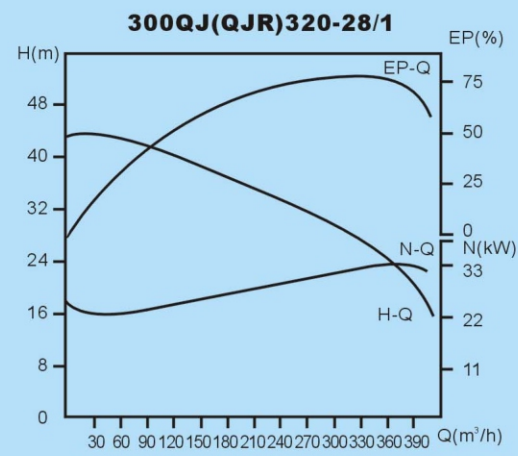
性能曲线图 PERFORMANCE CURVE



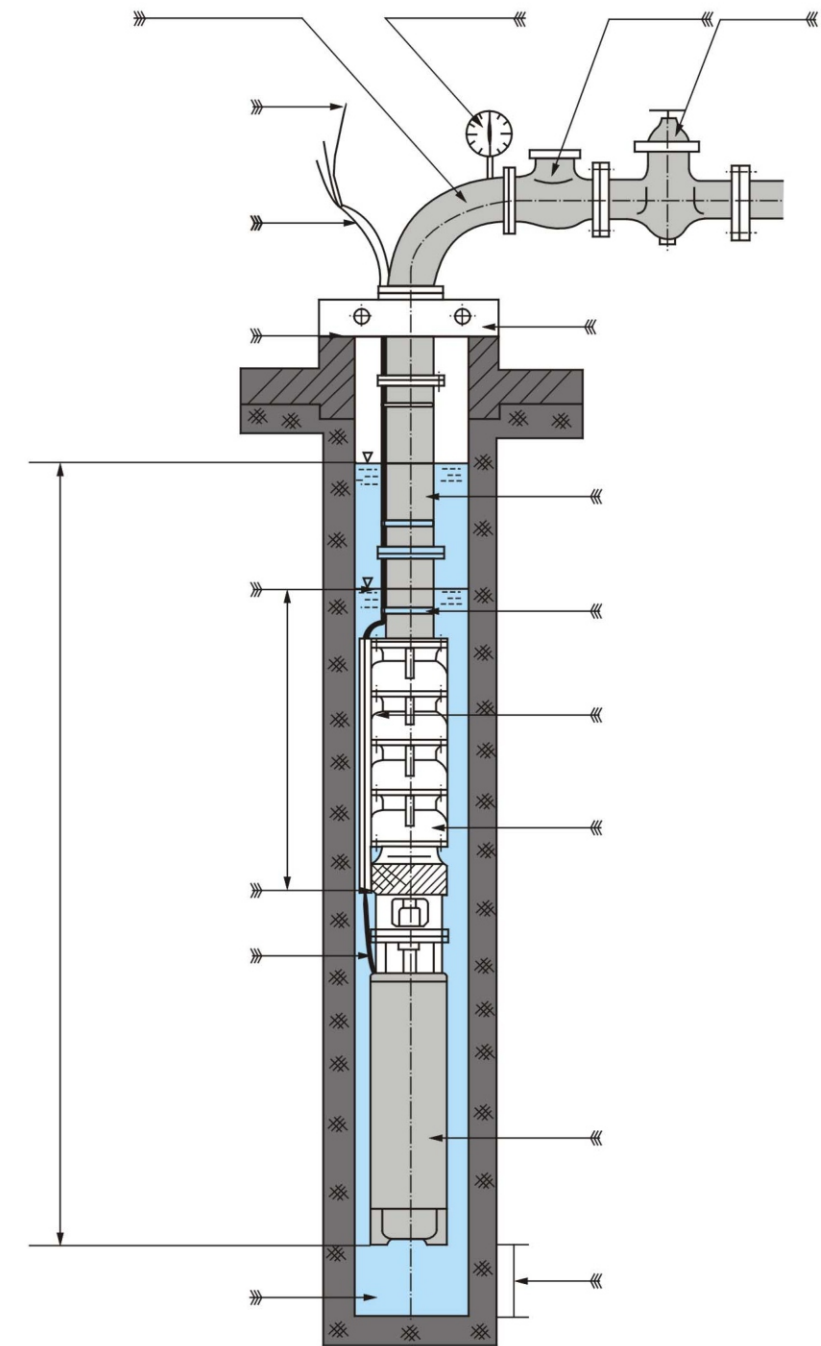
性能曲线图 PERFORMANCE CURVE



性能曲线图 PERFORMANCE CURVE



安装示意图 INSTALLATION SCHEMATIC DIAGRAM



型号选择单 TYPE SELECTION FORM

工作条件 Working conditions

水井最佳涌水量 Maximum water outflow of well _____ (m ³ /h)	设计要求流量 Designed discharge capacity _____ (m ³ /h)
水井静水位 Well static water level _____ (m)	设计要求流量时动水位 Dynamic water level at designed discharge capacity _____ (m)
泵座出口处最低表压力 Minimum gage pressure of outlet of pump base _____ (MPa)	水井成井的总深度 Total depth of finished well _____ (m)
泵预计安装深度 Estimated installing depth of pump _____ (m)	
水井成井至预计安装深度的小井径 Minimum well diameter from finished well to estimated installing depth _____ (mm)	
水井成井至预计安装深度井筒是否正直 Straight or not of well shaft from finished well to estimated installing depth _____	
(将直径等于电泵的最大外径, 长度为6m的圆柱体用扬水管下放到泵预计的安装深度而不受阻, 则认为井是直的) (Whether the well is straight or not can be tested by the following method: if a cylinder, with its diameter equal to the maximum external diameter of electric pump and with a length of 6 meters, can be slid down to the estimated mounting depth of pump with pumping tube smoothly, the well can be regarded as straight)	
水源类型 (细砂层、卵石层、裂隙层、江水、河水) The type of water source (fine sand layer, pebble layer, crevice layer, river water) _____	
其它方面 Others _____	

使用条件 Use conditions

井水最高温度 Maximum temperature fo well water _____ (°C)	水中固体物质 (重量百分比) 含量 Content of solid matter (weight percentage) in the water _____ (%)
水的 (PH) 值 Value of ph in the water _____	水中固体物质最大和最小颗粒度 Max. & min.grain size of solid matter in the water _____ (mm)
水中是否有油类 Is there any oil contented in the water _____	供电系统变压器容量 Transformer capacity of the power supplying system _____ (kVA)
变压器至水井距离 Distance from transformer to well _____ (m)	变压器至水井输电材质/线径 Material and diameter of transmission wire from transformer to well _____ (mm)
电源通常电压范围 Normal voltage range of power source _____ (V)	至 To _____ (V)
其它方面 Others _____	

选择潜水电泵型号及成套供货要求

Selection of submersible electric pump type and requirments for packaged delivery of goods

选择潜水泵型号/台数
Type and units of submersible pump _____

选择潜水电机型号/台数
Type and units of submersible motor _____

成套供货要求
Package delivery _____

用户单位 (签字/盖章)
Client (signatur/stamp) _____

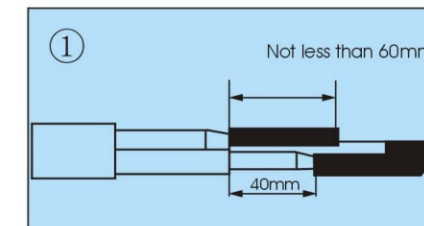
使用须知

- 1、电机使用前必须灌满清水, 拧紧注水放气螺栓, 否则不准使用。
- 2、陆地试运转不得超过1秒。
- 3、电泵不准倒卧或斜倾使用。
- 4、电动机必须完全潜入水中, 但潜入深度不应大于70米。
- 5、引线与电缆接头按规定操作(详见附图)。
- 6、订购高扬程潜水电泵请参阅《高扬程潜水电泵型谱》及《高扬程潜水电泵使用手册》。

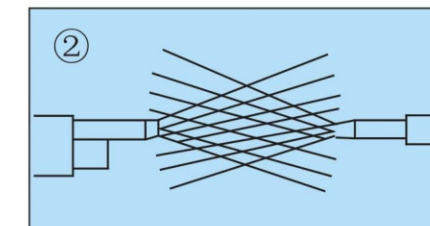
NOTICE OF USING

1. Water must be fully fed before motor operation, tighten priming air release bolt, otherwise it is not allowed to run.
2. Time for test operation on land is no more than 1 second.
3. Motor pump is not allowed to be up side down or slant used.
4. Motor should be fully submerged in the water but the depth of which is no more than 70m.
5. Operate to the rule (see to the attached picture for detail) about lead-through and cable adaptor.
6. Please refer to high head submerged motor pump type spectrum and high head submerged motor pump operation instruction when order.

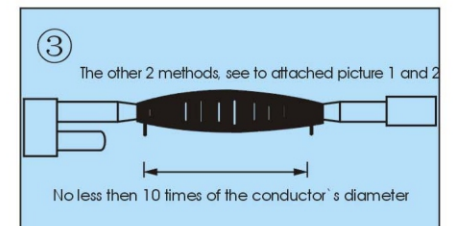
电缆接头方法 CABLE ADAPTING METHODS



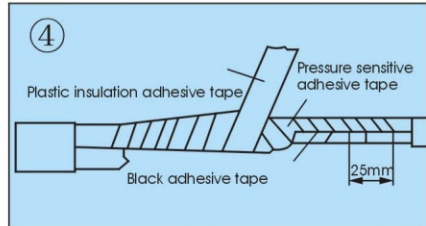
- 1、去掉绝缘层, 不得损坏导体。
 - 2、3根导线长短错开。
 - 3、刮净导体绝缘漆膜。
 - 4、保证接头不存有油, 水和其它污物。
1. Remove insulation layer without destroying conductor.
2. Stagger the length of the 3 leads.
3. Raze lacquer film on the conductor.
4. To assure that there is no oil, water or any other dirt on the adaptor.



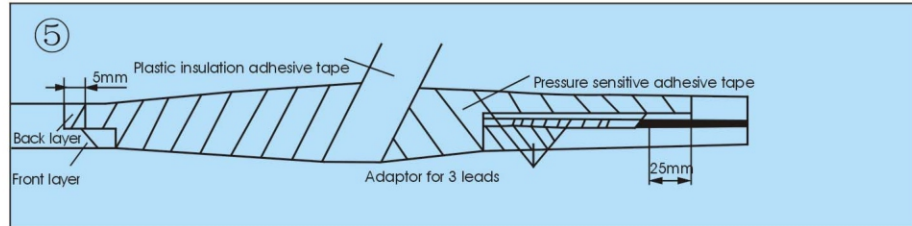
- 1、把接头分为数股(不小于6股)均匀分开。
 - 2、把两个接头交叉在一起, 交叉长度以两端线头与绝缘层对齐为宜。
1. Equally separate the adaptor into several sections (not less than 6 sections).
2. Intercross the 2 adaptors, the length of which is to the uniform of 2 ends and insulation layer.



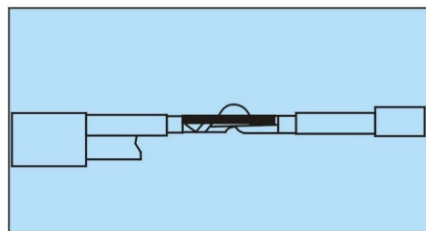
- 1、把各股紧合一起, 从中部分出一股向一端缠绕, 使各股一次缠绕完毕。
 - 2、另一端以同样方法进行。
 - 3、用手钳把接头缠紧, 有条件时可把接头挂锡, 使效果更佳。
1. Tightly join each section, separate one section from the middle to be wound to one end until every section finishes the same procedure.
2. The same procedure for the other end.
3. Tight adaptor with pliers, coat tin on the adaptor to have a good effect if condition permits.



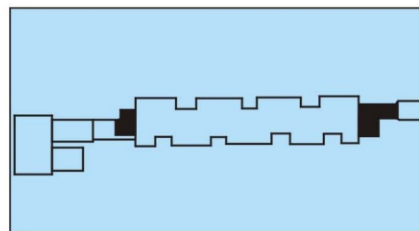
- 先用普通黑胶布对缠绕部分包扎两层，包扎要紧。
 - 亚敏胶粘带(黑色)包扎3层，每包扎一层用手挤压一次，保证包扎质量。
 - 最后用塑料绝缘胶布包扎两层即可。
- Firstly wrap tightly 2 layers on winded parts with common black adhesive tape.
 - Wrap 3 layers with pressure sensitive adhesive tape (black), during which, press by hands for every layer that has wrapped to guarantee wrapping quality.
 - Finally wrap 2 layers with plastic insulation adhesive tape.



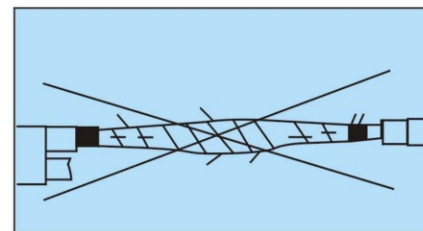
- 先整理好小接头，用亚敏胶粘带包扎5层(不得少于4层)并要包住电缆护套部分25mm以上。
 - 用塑料绝缘胶布包扎3层，两端部超过前一层5mm以上左右。
 - 为防止下井时增破包扎层，最好再用50mm宽，长度适当的自行车内胎，锉净两面，涂上胶水，在接头外面缠绕一层，超保护作用。
- Firstly arrange small adaptor, wrap with pressure sensitive adhesive tape 5 layers (at least 4 layers) and wrap the jacket of cable for at least 25mm.
 - Wrap 3 layers with plastic insulation adhesive tape, 5mm or so longer at 2 ends than the front layer.
 - It is suggested to use bicycle inner tire with 50mm width and suitable length, the 2 sides of which are flattened and glued to wind a layer around the adaptor to protect the wrapping during descending the well.



采用电焊接头更佳。
It's better to are welding adaptor.



也可采用套管冷压接头方法。
Bushing cold forging adaptor can also be used.



在包扎第一层黑胶布时，不得让铜丝头漏出或扎透胶布。
When wrapping the 1st black adhesive tape, copper head coming out or piercing the tape is not allowed.

注意事项

- 电缆接头应严格按附图进行；
- 下井前应检查，各部螺丝有无松动，电缆有无破口，电机是否漏水，电机轴、水泵轴转动是否灵活无阻。
- 下井前检查电机电阻应在200兆欧以下；
- 电机注水要认真防止假满；
- 保护开关和启动设备应按规定配齐；
- 电机运转2500小时应进行一次大修，1500小时应进行小检修；
- 电泵停机存放时应把电机内存水放完；
- 严禁不懂装懂野蛮拆装、修理应在本厂或定点修理厂进行；
- 禁止频繁“开”、“关”；
- 电缆接头严格按附图进行。
- 地面试验电机转向在瞬间不超过一秒钟进行；
- 安装电泵时谨防异物掉入井内；
- 如遇下列情况应停机检修：
 - 电流电压超过额定值。
 - 流量明显减少。
 - 水泵间歇出水或响声震动较大。
 - 保护开关频繁跳闸。
 - 电机绝缘电阻低于0.5兆欧。

NOTIFICATION POINTS

- Cable adaptor should be seriously done according to the attached pictures.
- Before descending well, check whether screw parts loosen, cable breaks, electric motor leak, axis on motor and water pump rotate smoothly;
- Before descending well, check the motor resistance, it should be under 200MΩ.
- To be cautious of not real water full before priming.
- Protection switches and starting facilities should be equipped as regulated.
- Every 2500 hours operation of the motor an overhaul should be carried out and every 1500 hours a small reconditioning.
- Seeper in the motor should be discharged before the motor pump stops and kept.
- Brutal assemble or disassemble is forbidden, repair should be made at the manufacturer or assigned reparatory factory.
- Frequently on and off is forbidden.
- Cable adaptor should be seriously done according to the attached pictures.
- Testing motor rotating direction on land should be done less than 1 second.
- Be careful that no peculiar substance drop into the well during pump installation.
- Check should be done when the following happens:
 - Current or voltage surpass the rated one.
 - Flow obviously reduce.
 - Pump irregularly leak water or big sound shaking.
 - The protection switch frequently tripping.
 - Motor insulation resistance is less than 0.5MΩ.

使用条件

本潜水水泵可在下列条件下连续运行使用：

- 额定频率在50Hz，额定电压在380±5伏的三相交流电源。
- 水泵进水口必须在动水位1米以下，但潜水深度不得超过静水位以下70米，电机下端距井底水深最少在1米以上。
- 水温一般不得高于20℃。
- 水质要求：
 - 水中含砂量不大于0.01%(重量比)；
 - PH值在6.5~8.5范围；
 - 氯离子含量不大于400毫克/升。
- 要求井正直、井壁光滑，不得有井管错开。

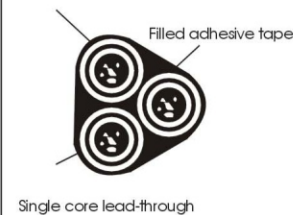
OPERATION CONDITION

This submerge motor pump can operate continuously under the above conditions:

- Rated frequency is 50Hz, rated voltage is 380±5% phases alternating current.
- Pump entry must be under variable water level 1m, but submerge depth can not under invariable water level 70m, the lowest part of the motor should be at least 1m more than the well bottom.
- Water temperature commonly is not higher than 20℃.
- Water quality requirement:
 - The sand content in water is not bigger than 0.01%(weight rate)
 - PH value is within 6.5~8.5.
 - Chloride ion content is not bigger than 400mg/liter.
- Requirement on the well is that it straight, smooth on the wall and tubing not staggered.

Notification

- 包扎接头前需要检查电机的绝缘，符合说明书要求方可接线，接头包好后必须在室温水浸泡12小时后，测量绝缘，达到要求后方可下井。
 - 两种胶布均有弹性，包扎时应拉紧，最后一层包完后原处绕几圈，防止长时间后脱天。
 - 每个接头在包扎中，当胶布缠绕到两端头时，后缠绕层必须超出前层5mm以上。
 - 包扎三根单蕊引线时，把亚敏胶布卷成三角形垫入孔隙处，预防水渗入。(如图)
- Check the motor insulation condition before wrapping adaptor, wrap only when the instruction requirement is met with. When the adaptor is wrapped, it should be dipped in the water for 12 hours with room temperature and then check the insulation condition, descend into the well when requirement is met with.
 - 2 types of adhesive tapes are all elastic, which should be dragged tightly when wrapping. When the last layer is done, wind several rounds at the same place to avoid disengaging after using a long time.
 - When every adaptor is under being wrapped and the adhesive tape is winded to 2 ends, the back layer should surpass the front one at least 5mm.
 - When wrapping 3 single core lead-through, curl the pressure sensitive adhesive tape into triangle form to fill the gap to avoid water seeping. (As the picture shows)



Single core lead-through

安装、启动和停车

安装前的检查与准备

- 1、检查水井是否符合本泵使用条件，即井径、垂直和井壁质量，以及静水位、动水位、涌水量和水质条件等，若不符合使用条件必须采取相应措施，否则不能将泵下井。
- 2、检查供电设备及供电线路能否保证水泵正常运行。
- 3、电源电压和频率是否符合使用条件。
- 4、按装箱单检查零部件是否齐全，并熟悉安装使用说明书。
- 5、检查电气线路，控制和保护装置是否合理安全可靠。
- 6、准备好各种安装使用工具竖立三角架和吊链(或其它吊装工具)要安全、可靠、使用方便。

安装

- 1、机泵一体卸下滤水网，然后打开注水和放气孔螺栓往机内注满洁净的清水，一定确保注满、防止假满。并检查电机各部是否漏水。发现漏水根据部位应调正胶垫上紧螺栓。
- 2、仔细检查电缆和接头有无碰伤或损坏，发现问题及时包扎。
- 3、用500伏兆欧表测定绕阻的绝缘电阻不低于5兆欧。
- 4、安装好保护开关和启动设备，并检查电机内水是否灌满、然后上紧注水、放气孔螺栓，从阀体顶端灌水直至从进水节处流出。瞬时启动电机(不超过1秒钟)，看水泵转动方向是否和转向标相同，若相反，调换电源接头即可，然后上好护线板、滤水网准备安装下井。
- 5、在泵的出水口安装短输水管一节，并用夹板夹住吊起落入井中，使夹板座落在井台上。
- 6、再用一付夹板夹住另一节输水管，然后吊起降下与短输水管法兰相联接。升起吊链拆下第一付夹板，使泵管下降井中又座落在井台上，依次反复进行安装，下井，直至全部装完，最后一节夹板不卸将泵固定在井口上。
- 7、最后放上井盖、弯管，闸阀出水管等。
- 8、每次连接法兰时要加胶垫，对正后紧固螺钉要对角线方向同时上紧，防止歪斜漏水。
- 9、电缆线要固定在输水管法兰凹槽内，每节都用绑绳固定好，下井过程要小心，电缆不能当吊绳使用，更不要碰伤电缆。
- 10、下泵过程有卡住现象，要想法克服卡点，不能强行下泵，以免卡死。
- 11、大口井等安装泵时严禁人员下井。
- 12、保护开关和启动设备应配在电压、电流表、指示灯，并安装在配电盘上，放在井台周围适当的位置。

启动

- 1、用500伏兆欧表测量电机绕阻对地绝缘阻不低于5兆欧。
- 2、检查三相电源线路，电压是否符合规定各种仪表，保护设备及接线正确无误后方可全闸启动。
- 3、启动后观察电流、电压是否符合规定范围，运转声音有无异常及震动现象发生，若不正常应及时找出原因处理解决。

停车

- 1、关闭开关停车，再启动须等5分钟或更长的时间，以防电机温升过高，停车后最好切断电源。
- 2、保护开关不得停用，或用铅丝铜丝加大保险丝的作法是错误的。

INSTALLATION, START AND STOP

Check and preparation before installation

1. Check whether the well conform to the using condition of the pump that is well diameter, perpendicularity, wall quality, invariable water level, variable water level, flood quantity and water quality etc, if they are not met with, relevant measures should be taken, otherwise the pump is not allowed to descend the well.
2. Check whether power supply equipment and line guarantee normal operation.
3. Whether power voltage and frequency conform to the requirement.
4. Check parts according to the packing list to be sure it is complete and get familiar with the installation instruction.
5. Check electric line, whether control and protective system is reasonable, safe and reliable.
6. Prepare various installation tools, set up spiders and sling that should be safe, reliable and convenient.

Installation

1. Disassemble water filter, open priming hole and air release hole bolt to fill clear water into the pump until completely full but not partly. Check every part whether it is water leakage. Adjust rubber washer and tighten bolt if water leakage is found.
2. Carefully check if there is damage on cable and adaptor, wrap in time if it is found.
3. Measure winding insulation resistance that should be no less than 5M Ω by 500V M Ω meter.
4. After installed protective switch and starter, check if water in the motor is fully filled, tighten priming hole, air release hole bolt, fill water from valve top until it flows from water entry stage. Instantaneously start the motor (less than 1s) to see if the pump rotating direct is the same with direct indicator, adjust the power adaptor if reversed, and then assemble wire protection board, water filter net to make preparation for descending the well.
5. Install a stage of short aqueduct which is board clamped and hung, descended into the well on the water discharge of the pump, the clamp board lies on the well platform.
6. Use another clamp board to clamp another stage of aqueduct, which is hung and descended to connect with short aqueduct flange. Lfit sling and disassemble the first clamp board to descend pump pipe to well and back to well platform, repeat this procedure as installation, descending until all is installed. The last clamp board is not disassembling to fasten the pump to the well mouth.
7. Finally put on well cover, pipe bend, gate valve discharge pipe etc.
8. Add rubber washer when connecting flanges every time, rightly approached and fasten screws that should be tighten simultaneously at diagonal directions to avoid water leakage by deflection.
9. Cable wier should be fixed inside the flange ditch groove on aqueduct, every stage is well fixed by rope. Cable cannot be used during descending as hanger, it definitely cannot be injured.

10. If block occurs when descending the well, try to conquer the block point instead of descending by force that would cause deadly stuck.
11. Persons enter big mouth well is forbidden.
12. Voltage meter, current meter, indicator should be equipped to the protection switch and starter, and installed at switch board, put at suitable place around well platform.

Start

1. Measure electric motor winding that should be no less than 5M Ω to the earth by 500V M Ω meter.
2. Check whether three-phase power cable, voltage conforms to regulation, only after confirmation that various meters, protection equipment and line connection is correct can close grippers and start.
3. Observe current, voltage conform to the rated range or not, operation sound is normal or not and also shaking phenomenon happens or not after starting, find out causes and solve in time if abnormal occurs.

Stop

1. Stop by switching off, 5 minutes or more time is necessary before restarting to avoid excessive motor heat, it is better to cut off power when stops.
2. Not using protection switch is not allowed. Using lead or copper slim thread to increase fuse is not correct.

运行、维修和保养

1、电泵运行中要经常观察电流、电压表和水的流量，力求电泵在额定工况下运行。

2、应用阀门调节流量、扬程，不得超载运行。有下列情况之一应立即停止运行：

- (1)额定电压时电流超过额定值；
- (2)额定扬程下，流量较正常情况下降低较大；
- (3)绝缘电阻低于0.5兆欧；
- (4)动水位降至泵吸入口时；
- (5)电器设备及电路不合规时；
- (6)电泵有突然声响或较大的震动时；
- (7)保护开关频繁跳闸时。

3、要经常不断的观察仪表，检查电器设备每半个月测一次电机绝缘电阻，电阻值不低于0.5兆欧。

4、每排灌期(2500小时)进行一次检修保护，更换损坏的易损件。

5、电泵的起吊与装卸：

- (1)拆开电缆，断开电源；
- (2)用安装工具逐步拆卸出水管、闸阀、弯管、并用夹板将泵吊起取出盖，并用另一付夹板夹紧下一节输水管，这样依次，逐节拆卸将泵吊出井外。(在吊拆过程发现有卡住不能强行起吊，应上下左右活动克服卡点安全吊卸)；

(3)拆下护线板，滤水网并从引线和三芯电缆或扁电缆接头处剪断电缆；

(4)取出联轴器上锁圈，拧下固定螺钉，拆下连接螺栓，使电机、水泵分离；

(5)放出电机内充水；

(6)水泵的拆卸：

用拆卸扳手，左旋卸下进水节，用拆装筒在泵下部冲击锥形套，叶轮松动后，取出叶轮、锥形套、卸下导流壳，这样依次卸完叶轮、导流壳、上导流壳、止回阀等。

(7)电机拆卸：

依次拆下底座、止推轴承、推力盘、下导轴承座连接座、甩水器，取出转子，拆下上导轴承座、定子等。

6、电泵的装配：

(1)电机的装配次序：定子组装→下导轴承组装→转子组装→推力盘→左扣螺母→止推轴承组装→底座组装→上导轴承座组装→骨架油封→连接座。调整调整螺柱，使电机轴伸符合规定的要求。然后上好调压膜、调压弹簧及盖。

(2)水泵的装配：

将轴和进水节固定在安装座上，用拆装筒将叶轮、锥形套固定在轴上，再装上导流壳、叶轮……这样依次装完上流壳、止回阀等。

八级以下的电机水泵部分装配时，首先在进水节和上导轴承座接触平面间均匀分布，加相同3~3.5毫米垫片3~4处，然后均匀上好拉紧螺母，装上联轴器、泵轴、上好固定螺柱以及锁圈，用拆装筒将叶轮、锥形套固定在泵轴上，再装上导流壳，叶轮……这样依次装完上导流壳等。泵装好后松开拉紧螺母，取出垫片，再把拉紧螺母均匀上紧，然后从联轴器处转动电泵，转动必须均匀。

(3)机组总装，如前所述。

OPERATION, MAINTENANCE AND CARE

1. Often observe current, voltage meter and water flow during the pump operation, make it work under rated condition.

2. Adjust flow, head by valves to avoid overload running. Stop if following occurs:

- (1)The current surpass rated one under rated voltage.
- (2)Flow overly reduced than normal under rated voltage.
- (3)Insulation resistance is lower than 0.5MΩ.
- (4)Variable water level descends to suction entry.
- (5)Electric equipment or electric circuit dose not conform to regulation.
- (6)Sudden sound or relatively big shake on the motor pump.
- (7)Protective switch frequently tripping.

3. Often observe meters, check motor insulation resistance that should be no less than 0.5MΩ every half a month.

4. Every drainage period (2500 hours) check, maintain, replace damaged parts,

5. Pump hanging and installation or disassembly:

- (1)Disconnect cable and cut off power.
- (2)Disassemble main, gate valve, pipe bend by installation tools, sling pump by clamp board, take off well cover, and tighten next aqueduct by another clamp board, disassemble like this stage by stage, hang pump out of the well. (If jam occurs during which, hang by force is forbidden, it is suggested to conquer jammed spots around and safely hang)
- (3)Dissemble wire protection board, water filter net and from the joint of lead-through and triple core cable or flat cable cut cable.
- (4)Take out locking collar on coupling, screw off fixed screw, disassemble connecting bolt to detach motor and pump.
- (5)Discharge water from the motor.

(6)Left revolve to disassemble inlet stage by wrench, strike taper cover from the lower part of pump by socket wrench, when the impeller loosens, take out impeller, taper cover, disassemble pump bowl, disassemble as the order of impeller, pump bowl, upper pump bowl, check valve etc.

(7)Disassemble as the order of base, thrust bearing, thrust disc, downward bearing carrier connector carrier, evaporator, take out rotor, disassemble upward bearing carrier, stator etc.

6. Motor pump assembly:

Check and clean rust, soil of each part, for antirust, coat grease on each fitting surface, coat lead paint on big screwed connector of the pump.

(1)Assemble order of the motor: stator assembly→downward bearing carrier assemble→rotor assembly→trust disc→left locking nut→thrust bearing assembly→base assembly→upward bearing carrier assembly→shell sheet oil seal→connector carrier. Adjust double screw bolt until the motor shaft meet rated requirement. Put pressure adjustable diaphragm, spring and cover.

(2)Pump assembly: fasten bearing and water entry stage on installatio carrier, fix impeller, taper cover onto axes by socket wrench, and assemble pump bowl, impeller check valve etc.which consist of the whole order.

For motor pumps that is less than 8 levels, firstly at equally positioned touching surface, add 3~4pcs of gaskets with same thickness of 3~3.5mm, equally screw pulling tighten nut, assemble coupling, pump shaft, screw double-screw bolt and locking collar, fix impeller, taper cover on pump shaft by socket wrench, assemble pump bowl, impeller ect. Until upper pump bowl is assemble like this order. After the pump is assembled, loosen pulling tighten nut, take out gasket, equally tighten pulling tighten nut, rotate pump equally from coupling.

(3)General assemble the unit as above-mentioned.

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

故障 Failure	原因 Causes	排除方法 Troubleshooting
不上水或出水不足 Discharge failure or not enough	1、动水位低于泵吸入口; 2、输水管漏水严重; 或水管脱开; 3、转子和轴松动; 4、部分叶轮松动; 5、电机反转; 6、管路堵塞。 1. Variable water level is below suction entry; 2. Serious water leakage on aqueduct; or pipe detached; 3. Rotor and axes loosened; 4. Part of the impeller loosened; 5. Electric motor rotate reservedly; 6. Pipe system blocked.	1、增加输水管若还不出水并超过水泵使用扬程范围建议换泵; 2、更换水管或另行安好输水管; 3、更换转子; 4、重新装配叶轮; 5、调换电源接头; 6、清除堵物。 1. Add aqueduct and if still doesn't work, pump change is suggested; 2. Change pipe or install aqueduct additionally; 3. Change rotor; 4. Reassemble the impeller; 5. Change power joint; 6. Remove blockage.
水泵流量降低 Flow reduced	1、密封环严重磨损; 2、滤水网导流壳叶轮流道被堵塞; 3、电压、频率较低; 4、动水位下降超过水泵额定扬程。 1. Sealing ring severely worn out; 2. Water filter net pump bowl impeller channel blocked; 3. Low voltage, frequency; 4. Variable water level reduced that is over pump rated head.	1、更换密封环; 2、清除堵物; 3、停机等电压频率值达到规定值时运行; 4、更换高扬程泵。 1. Change sealing collar; 2. Remove blockage; 3. Stop and wait until the value of voltage and frequency reaches rated ones. 4. Change high lifting pump.
机组剧烈震动或电流过大电表指针摆动 Unit vibrantly shake or over current meter indicators swing	1、泵轴或电机轴弯曲; 2、泵轴电机轴和轴承之间磨损过大; 3、止推轴承磨损或损坏; 4、推力盘紧固螺帽损坏; 5、推力盘破裂; 6、电机转子扫膛; 7、叶轮转子不平衡或转子断条; 8、联接螺栓松动; 9、水泵低扬程大流量电机超载; 10、水泵涌水量不够间歇出水。 1. Pump shaft or motor axis bend; 2. Too big abrasion between pump shaft, motor axis and bearing; 3. Thrust bearing abrasion or damage; 4. Thrust disc fastening screw cap damage; 5. Thrust disc broke; 6. Electric motor rotator casing worn out; 7. Impeller rotor imbalance; 8. Connecting bolt loosen; 9. Pump low head big flow motor overload; 10. Pump flow not enough, irregularly discharge.	1、修理或更换泵轴或电机轴; 2、更换轴承; 3、更换止推轴承; 4、上好螺帽或修好轴头; 5、更换好的推力盘; 6、找出原因进行修理; 7、作好动平衡, 更换转子; 8、上好螺栓; 9、加闸阀控制流量在工况点运行; 10、加闸阀控制出水量。 1. Repair or replace pump shaft or motor axis; 2. Replace bearing; 3. Replace thrust bearing; 4. Screw cap or repair bearing head; 5. Replace thrust disc; 6. Find out causes and repair; 7. Make balanced, replace rotor; 8. Screw bolt; 9. Add gate valve to control flow under rated condition; 10. Add gate valve to control discharge.

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

故障 Failure	原因 Causes	排除方法 Troubleshooting
电机不能起动并有嗡嗡声 Motor failure and buzz	1、有断相(线路或起动设备); 2、电压过低; 3、轴承抱住; 4、叶轮与密封之间锈死等; 5、泵内有异物卡死叶轮不能转。 1. Phase failure (circuit or starter); 2. Too low voltage; 3. Bearing jam; 4. Rust-jam between impeller & sealing; 5. Peculiar substance jammed impeller rotation.	1、修好断相; 2、调整电压; 3、修整好轴承; 4、撬动水泵旋转或拆下水泵重装一次; 5、取出异物。 1. Repair phase failure; 2. Adjust voltage; 3. Repair bearing; 4. Prize pump to rotate or disassemble pump and reassemble; 5. Take out peculiar substance.
绝缘电阻过低绕组烧毁 Insulation substance too low winding burnt	1、接头进水; 2、绕组破坏; 3、电缆破裂; 4、电机内缺水; 5、缺相运转; 6、长时间超载运转; 7、电机里埋入泥沙中。 1. Water inlet at joints; 2. Winding broke; 3. Cable burst; 4. Motor water leakage; 5. Phase lack running; 6. Long time overloading running; 7. Motor sand buried.	1、修好接头; 2、包扎好或更换绕组; 3、包扎好电缆; 4、电机内保证灌满清水; 5、检查好线路和设备保证正常运转; 6、降低负荷使电机电流不超过铭牌规定值; 7、按安装要求安装电泵。 1. Repair joints; 2. Wrap or replace winding; 3. Wrap cable; 4. Guarantee motor is full filled with water; 5. Check circuit and equipment to guarantee normal running; 6. Reduce overloading to rated value of motor current; 7. Install pump as instruction requierd.