

由于我们在不断努力改进产品，我们保留样本数据更改的权利，敬请谅解。

As we are constantly endeavouring to improve the performance of our equipment.

The company reserves the right to make alteration from time to time and equipment differ from that detailed in this brochure.

GW 型管道排污泵

GW Pipeline Sewage Pump



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使用该产品前，请仔细阅读说明书！

Please read the instructions carefully before using this product!

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产品概述

GW型管道排污泵是在引进国外先进技术的基础上，结合国内水泵的使用特点而研制成功的新一代泵类产品，水力模型等同采用WQ型排污泵。具有节能效果显著、防缠绕、无堵塞等特点。在排送固体颗粒和长纤维垃圾方面，具有独特效果。

该系列泵采用独特叶轮结构和新型机械密封，能有效地输送含有固体物和长纤维，叶轮与传统叶轮相比，该泵叶轮采用单流道或双流道形式，它类似于一截面大小相同的弯管，具有非常好的过流性，配以合理的蜗室，使得该泵具有效率高、叶轮经平衡试验，使泵在运行中无振动。

该泵水力性能先进、成熟，产品经测试各项性能指标均达到有关标准规定，产品投放市场后以其独特的功效，可靠的性能，稳定的质量受到广大用户的欢迎和好评。

产品特点

1.泵为立式单吸单级离心排污泵，进出口中心线在同一水平线上，进出口法兰相同，故安装拆卸十分方便，占地面积小，可像阀门一样安装在管路的任何位置上。

2.泵与电机直联同轴，属机电一体化产品，结构紧凑，性能稳定。

3.采用大流道抗堵塞水力部件设计，大大提高污物通过能力，能有效地通过泵口径的5倍纤维物质和直径为泵口径约50%的固体颗粒。

4.设计合理，配套电机合理，效率高，节能效果显著。

5.机械密封采用硬质耐磨碳化钨，具有耐用、耐磨等特点，可以使泵安全连续运行8000小时以上。

6.水力性能先进，整机效率高，运转噪音低。

7.在电机风叶端加上防护罩，整机可置于室外工作，无需机房，可节省大量基建费用。

8.在使用扬程范围内使用，保证电机无过载。

Product Introduction

GW Pipeline Sewage Pump is a new generation of pump products developed successfully on the basis of introducing foreign advanced technologies and in combination with use characteristics of domestic water pumps, with a hydraulic model equivalent to that of WQ Sewage Pipe. It's featured by a noticeable energy saving effect, anti-winding, non-clogging and so on, and also it has a unique effect in terms of delivery of solid particles and long fiber rubbish.

The series of pumps adopts a unique impeller structure and a new type of mechanical seal so that it can effectively transport those containing solid substances and long fibers. Compared with traditional impellers, its impeller adopts single-channel or dual-channel, like an elbow with the same section size, so it has an excellent flow-through performance. Plus a reasonable volute chamber, the pump features high efficiency and vibration-free running since the impeller has passed a balance test.

The pump's hydraulic performance is advanced and well-developed. After tested, the product has reached relevant standards in terms of all performance indexes. After it's launched in the market, it has well-received and praised by users on the strength of its unique effect, reliable performance and stable quality.

Product Characteristics

1. It's a vertical, single-suction, single-stage and centrifugal sewage pump, with its inlet and outlet center lines on the same horizontal line plus the same inlet and outlet flanges, so it's very easy for installation and disassembly and also space-effective, which can be installed on any position of the pipeline like a valve.

2. The pump and the motor are directly coupled and coaxial, so it's a mechanical and electrical integration boasting a compact structure and a stable performance.

3. Its design of big-channel non-clogging hydraulic part improves the filth through capacity greatly, with fiber substances 5 times of the pump diameter and solid particles about 50% of the pump diameter being able to go through effectively.

4. With a rational design and reasonable fitting of motors, it has high efficiency and a noticeable energy-saving effect.

5. Its mechanical seal adopts hard anti-wear tungsten carbide, featuring durability, abrasion resistance and so on, so that the pump is able for safe and continuous operation for more than 8,000 hours.

6. It boasts an advanced hydraulic performance, high overall efficiency and low running noise.

7. With a protective hood at the motor fan end, the unit can work outdoors, unnecessary for any pump rooms, thus saving a lot of infrastructure costs.

8. It's free of motor overload when being used within the working lift head range.

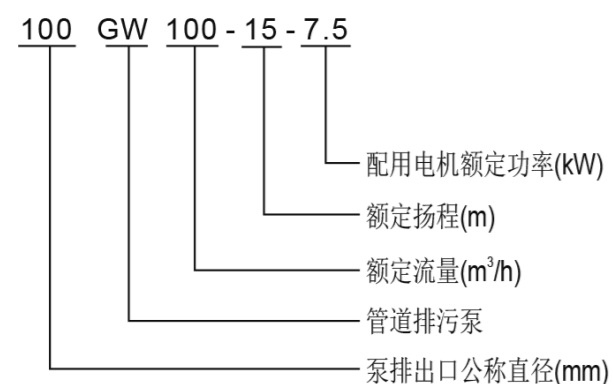
产品用途

1. 工厂商业严重污染废水的排放。
2. 城市污水处理厂排水系统。
3. 住宅区的污水排水站。
4. 人防系统排水站。
5. 医院、宾馆的污水排放。
6. 市政工程、建筑工地。
7. 勘探、矿山配套附机。
8. 农村沼气池农田灌溉。
9. 自来水厂的给水装置。

工作条件

1. 介质温度不超过 60°C ，重度为 $1.0\sim 1.3\text{kg/dm}^3$ ，PH值在5~9范围内。
2. 泵和电机为整体机构，所以要求泵工作周围温度不得超过 40°C ，海拔高度不超过1000m，相对湿度不超过95%。
3. 一般情况下，泵必须在使用扬程范围内使用，保证电机不超载，如需在全扬程范围范围使用，应在订货时另行注明，以便厂家制造。
4. 在运行过程泵电机电流不得超过电机的额定电流。

型号意义



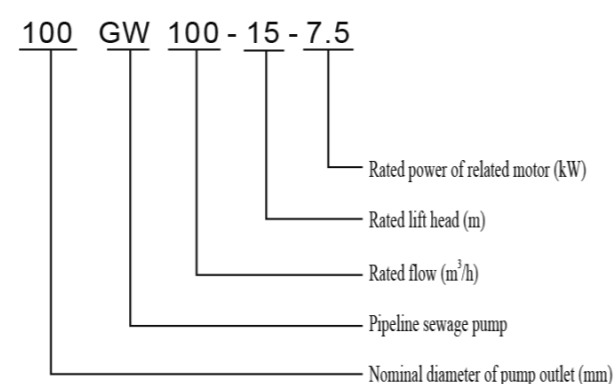
Product Application

1. Drainage of seriously polluted waste water from factories or commerce;
2. Drainage systems of municipal sewage treatment plants;
3. Sewage drainages stations in residential areas;
4. Water drainage stations of civil air defense systems;
5. Sewage discharged from hospitals or guesthouses;
6. Municipal works or construction sites;
7. Auxiliary systems for exploration or mines;
8. Rural methane tanks and farmland irrigation;
9. Water supply systems of water plants.

Working Conditions

1. The medium temperature shall not exceed 60°C , the weight density within $1.0\sim 1.3\text{kg/dm}^3$ and PH within 5~9.
2. Since the pump and the motor are integrated, it's required that the pump's ambient working temperature should not exceed 40°C , altitude not higher than 1,000m and HR not higher than 95%.
3. Generally the pump must be used within the working lift head range to ensure no overload of the motor. If it's required to be used within the total lift head range, it shall be noted additionally in the order for the manufacturer to manufacture as required.
4. The pump's motor current shall not exceed the motor's rated current during running.

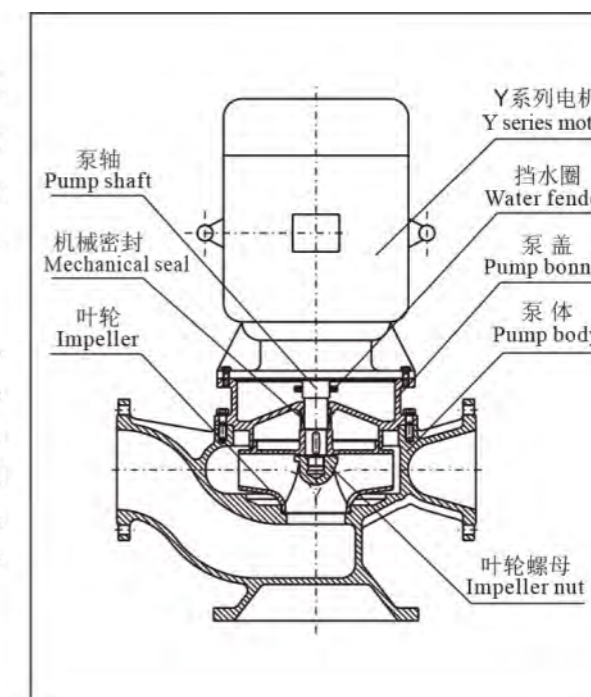
Model Designation



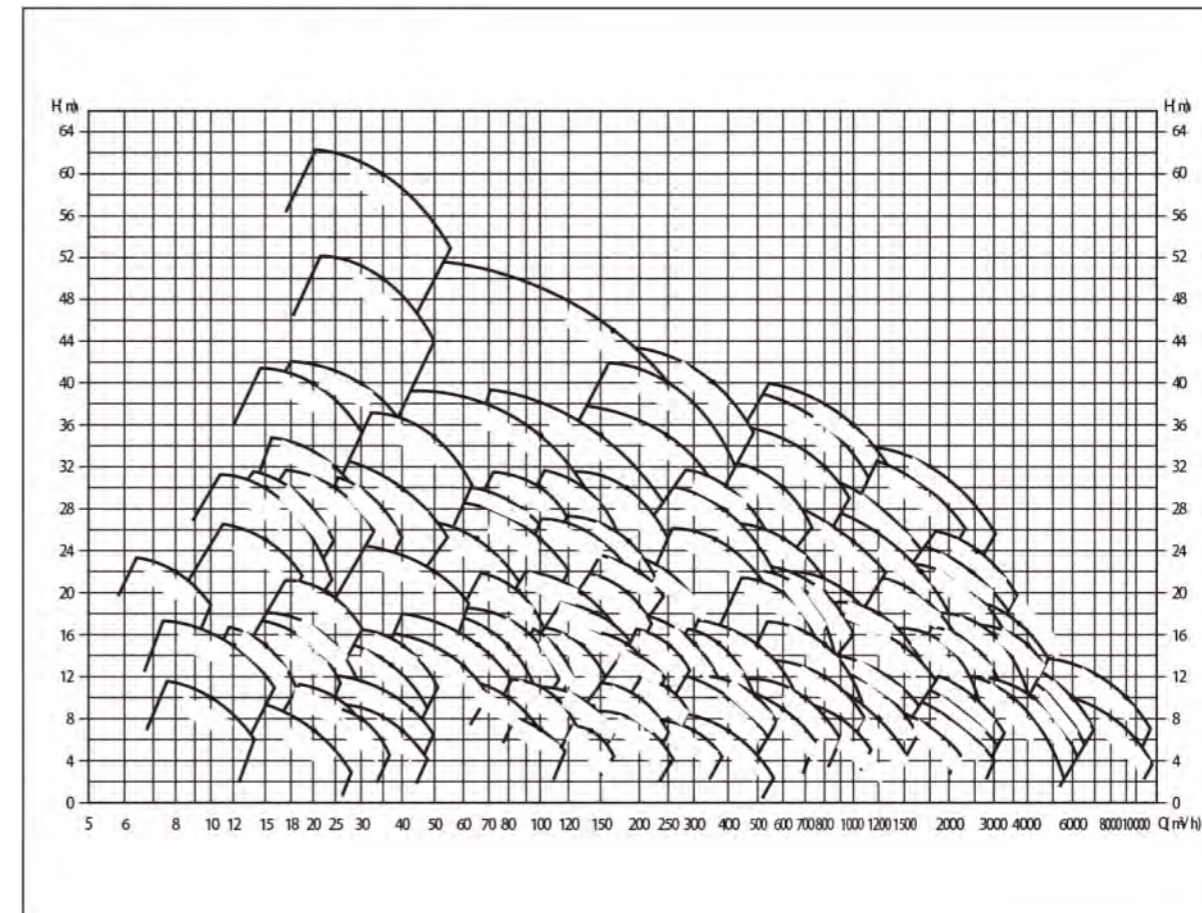
结构说明 Structure Description

GW型系列无堵塞单级管道排污泵系进出口在同一水平线上，且规格相同，立式结构，占地面积小，电机与泵同轴，设有安装底盘，便于安装稳固，叶轮采用单(双)流道，具有良好的通过性能。

Both the inlet and the outlet of GW Series Non-clogging Single-Stage Pipeline Sewage Pump are on the same horizontal line and have the same specifications. With a vertical structure, it's space-effective. The motor is coaxial with the pump. There is an installation chassis to secure installation, and the impeller adopts single (double) flow channel with a good flow-through performance.



型谱图 Spectrum Diagram



性能参数表 Performance Parameter Table

序号 No.	型 号 Type	口径 Caliber (mm)	流量 Flow (m ³ /h)	扬程 Head (m)	转速 Speed (r/min)	功率 Power (kW)	效率 Eff. (%)
1	25GW8-22-1.1	25	5 8 10.5	23 22 19	2900	1.1	32 38 37
2	32GW12-15-1.1	32	7.2 12 15.5	17 15 12	2900	1.1	32 40 41
3	40GW15-15-1.5	40	9 15 19.5	17 15 12	2900	1.5	38 45 46
4	40GW15-30-2.2	40	9 15 19.5	32 30 27	2900	2.2	40 48 47
5	50GW20-7-0.75	50	12 20 26	8.5 7 5	2900	0.75	46 54 52
6	50GW10-10-0.75	50	6 10 13	12 10 8	2900	0.75	48 56 54
7	50GW25-10-1.5	50	15 25 32.5	12 10 7.5	2900	1.5	48 56 54
8	50GW20-15-1.5	50	12 20 26	17 15 12	2900	1.5	48 55 53
9	50GW27-15-2.2	50	16 27 35	17 15 12	2900	2.2	48 56 52
10	50GW15-25-2.2	50	9 15 19.5	27 25 22	2900	2.2	48 56 52
11	50GW18-30-3	50	10.8 18 23.5	32 30 26	2900	3.0	50 58 55
12	50GW24-20-4	50	14.5 24 31	22.5 20 16	2900	4.0	53 60 58
13	50GW25-32-5.5	50	15 25 32.5	34 32 28	2900	5.5	45 53 52
14	50GW30-30-7.5	50	18 30 39	33 30 26	2900	7.5	48 56 55
15	50GW20-40-7.5	50	12 20 26	43 40 35	2900	7.5	46 55 56
16	65GW42-9-2.2	65	25.2 42 54.5	11 9 6	2900	2.2	47 56 55
17	65GW25-15-2.2	65	15 25 32.5	17 15 12	2900	2.2	46 52 53
18	65GW37-13-3	65	22 37 48	15.5 13 10	2900	3.0	47 55 56
19	65GW25-30-4	65	15 25 32.5	33 30 26	2900	4.0	50 58 58
20	65GW40-30-7.5	65	24 40 52	33 30 26	2900	7.5	48 58 58
21	65GW30-40-7.5	65	18 30 39	43 40 36	2900	7.5	50 56 54
22	65GW35-50-11	65	21 35 45.5	54 50 44	2900	11	52 60 62

性能参数表 Performance Parameter Table

序号 No.	型 号 Type	口径 Caliber (mm)	流量 Flow (m ³ /h)	扬程 Head (m)	转速 Speed (r/min)	功率 Power (kW)	效率 Eff. (%)
23	65GW35-60-15	65	21 35 45.5	64 60 53	2900	15	55 63 63
24	80GW40-7-2.2	80	24 40 52	9 7 5	2900	2.2	45 52 50
25	80GW30-8-2.2	80	18 30 39	10 8 6	2900	2.2	38 45 46
26	80GW50-10-3	80	30 50 65	13 10 7	2900	3.0	50 58 59
27	80GW43-13-3	80	26 43 56	15 13 10	2900	3.0	43 50 52
28	80GW60-13-4	80	36 60 78	15.5 13 10	2900	4.0	58 65 63
29	80GW40-15-4	80	24 40 52	17 15 12	2900	4.0	50 57 58
30	80GW50-20-5.5	80	30 50 65	23 20 16	2900	5.5	62 68 69
31	80GW80-15-7.5	80	48 80 104	17.5 15 12	2900	7.5	64 71 72
32	80GW65-25-7.5	80	40 65 85	28 25 21	2900	7.5	47 56 58
33	80GW50-35-11	80	30 50 65	38 35 31	2900	11	45 53 52
34	80GW50-40-15	80	30 50 65	43 40 36	2900	15	45 50 52
35	100GW100-7-4	100	60 100 130	10 7 5	2900	4	65 72.5 71
36	100GW80-10-4	100	48 80 104	13 10 7	2900	4	56 62 60
37	100GW110-10-5.5	100	66 110 143	13.5 10 7	2900	5.5	58 66 65
38	100GW65-15-5.5	100	40 65 85	18 15 12	2900	5.5	52 59 60
39	100GW100-15-7.5	100	60 100 130	17.5 15 12	2900	7.5	60 67 65
40	100GW85-20-7.5	100	50 85 110	23 20 16	2900	7.5	62 68 66
41	100GW50-22-7.5	100	30 50 65	25 22 19	2900	7.5	58 63 62
42	100GW100-25-11	100	60 100 130	28 25 22	1450	11	58 65 63
43	100GW70-22-11	100	42 70 90	24.5 22 19	1450	11	62 68 66
44	100GW50-35-11	100	30 50 65	38 35 32	1450	11	56 62 60
45	100GW87-28-15	100	52 87 113	32 28 25	1450	15	62 69 66

性能参数表 Performance Parameter Table

序号 No.	型 号 Type	口径 Caliber (mm)	流量 Flow (m³/h)	扬程 Head (m)	转速 Speed (r/min)	功率 Power (kW)	效率 Eff. (%)
46	100GW100-30-15	100	60 100 130	33 30 27	1450	15	60 66 65
47	100GW100-35-18.5	100	60 100 130	38 35 30	1450	18.5	60 65 63
48	100GW100-40-22	100	60 100 130	45 40 35	1450	22	56 62 62
49	100GW80-50-30	100	48 80 105	53 50 46	1450	30	55 60 62
50	100GW80-60-37	100	48 80 105	63 60 56	1450	37	50 56 58
51	125GW130-15-11	125	78 130 170	18 15 12	1450	11	56 62 60
52	125GW130-20-15	125	78 130 170	24 20 17	1450	15	58 63 62
53	150GW140-7-5.5	150	84 140 182	10 7 4	1450	5.5	66 72 72
54	150GW120-10-5.5	150	72 120 156	14 10 7	1450	5.5	65 70 72
55	150GW210-7-7.5	150	125 210 275	10 7 5	1450	7.5	68 75 73
56	150GW145-9-7.5	150	87 145 190	12 9 7	1450	7.5	58 63 62
57	150GW110-15-7.5	150	66 110 143	18 15 12	1450	7.5	66 72 70
58	150GW200-10-15	150	120 200 260	14 10 7	1450	15	58 65 66
59	150GW180-15-15	150	108 180 235	18 15 12	1450	15	58 65 66
60	150GW140-18-15	150	85 140 182	22 18 15	1450	15	57 65 63
61	150GW200-14-18.5	150	120 200 260	17 14 11	1450	18.5	60 68 66
62	150GW180-20-18.5	150	108 180 235	23 20 17	1450	18.5	70 75 72
63	150GW150-25-18.5	150	90 150 192	28 25 22	1450	18.5	60 68 65
64	150GW200-22-22	150	120 200 260	25 22 19	1450	22	67 73 72
65	150GW180-25-22	150	108 180 235	28 25 22	1450	22	70 76 75
66	150GW130-30-22	150	78 130 170	34 30 27	1450	22	70 75 73
67	150GW250-22-30	150	150 250 325	25 22 19	1450	30	68 73 70

性能参数表 Performance Parameter Table

序号 No.	型 号 Type	口径 Caliber (mm)	流量 Flow (m³/h)	扬程 Head (m)	转速 Speed (r/min)	功率 Power (kW)	效率 Eff. (%)
68	150GW180-30-30	150	108 180 235	34 30 26	1450	30	68 73 71
69	150GW200-30-37	150	120 200 260	34 30 26	1450	37	65 70 70
70	150GW150-35-37	150	90 150 195	38 35 32	1450	37	58 63 62
71	150GW160-45-37	150	96 160 208	49 45 41	1450	37	60 65 65
72	200GW360-6-11	200	216 360 468	10 6 4	970	11	66 72 70
73	200GW300-7-11	200	180 300 390	10 7 5	970	11	68 73 72
74	200GW400-7-15	200	240 400 520	10 7 5	970	15	72 78 76
75	200GW250-11-15	200	150 250 325	14 11 8	1450	15	68 74 72
76	200GW300-10-18.5	200	180 300 390	14 10 7	1450	18.5	66 72 73
77	200GW250-15-18.5	200	150 250 325	18 15 12	1450	18.5	66 72 73
78	200GW400-10-22	200	240 400 520	14 10 7	1450	22	70 76 75
79	200GW310-13-22	200	186 310 400	16 13 11	1450	22	55 62 63
80	200GW300-15-22	200	180 300 390	18 15 12	1450	22	66 73 75
81	200GW400-13-30	200	240 400 520	16 13 11	1450	30	66 73 71
82	200GW360-15-30	200	216 360 470	19 15 12	1450	30	70 75 73
83	200GW250-22-30	200	150 250 325	26 22 18	1450	30	66 71 70
84	200GW350-25-37	200	210 350 455	29 25 21	1450	37	70 75 73
85	200GW400-25-45	200	240 400 520	29 25 21	1450	45	70 75 73
86	200GW380-28-45	200	228 380 495	32 28 24	1450	45	65 70 72
87	200GW250-35-45	200	150 250 325	39 35 31	1450	45	62 69 68
88	200GW400-30-55	200	240 400 520	34 30 25	1450	55	65 70 72
89	200GW250-40-55	200	150 250 325	43 40 35	1450	55	62 69 70

性能参数表 Performance Parameter Table

序号 No.	型 号 Type	口径 Caliber (mm)	流量 Flow (m³/h)	扬程 Head (m)	转速 Speed (r/min)	功率 Power (kW)	效率 Eff. (%)
90	200GW350-40-75	200	210 350 455	44 40 35	1450	75	62 68 66
91	200GW350-45-90	200	210 350 455	48 45 40	1450	90	56 60 62
92	250GW500-7-18.5	250	300 500 650	11 7 4	1450	18.5	54 58 60
93	250GW520-8-22	250	312 520 680	10 6 3	1450	22	52 56 58
94	250GW600-9-30	250	360 600 780	13 9 6	980	30	65 74 72
95	250GW500-10-30	250	300 500 650	15 10 6	980	30	64 71 72
96	250GW700-10-37	250	420 700 910	15 10 6	1450	37	73 81 82
97	250GW600-12-37	250	360 600 780	16 12 8	1450	37	70 78 78
98	250GW600-15-45	250	360 600 780	19 15 12	1450	45	68 75 74
99	250GW600-20-55	250	360 600 780	25 20 16	1450	55	65 73 71
100	250GW700-20-75	250	420 700 910	25 20 16	1450	75	70 78 76
101	250GW600-25-75	250	360 600 780	29 25 21	1450	75	66 73 71
102	250GW600-30-90	250	360 600 780	34 30 26	1450	90	66 72 73
103	300GW900-8-37	300	540 900 1170	15 8 5	980	37	76 81 82
104	300GW800-12-45	300	480 800 1040	16 12 8	980	45	68 76 75
105	300GW500-15-45	300	300 500 650	19 15 12	980	45	64 70 72
106	300GW800-15-55	300	480 800 1040	19 15 12	980	55	66 73 72
107	300GW600-20-55	300	360 600 780	25 20 16	980	55	68 75 74
108	300GW800-20-75	300	480 800 1040	25 20 16	980	75	70 78 76
109	300GW950-20-90	300	570 950 1235	25 20 16	980	90	72 80 78
110	300GW1000-25-110	300	600 1000 1300	29 25 21	1450	110	75 82 80
111	300GW800-32-110	300	480 800 1040	36 32 28	1450	110	68 76 75

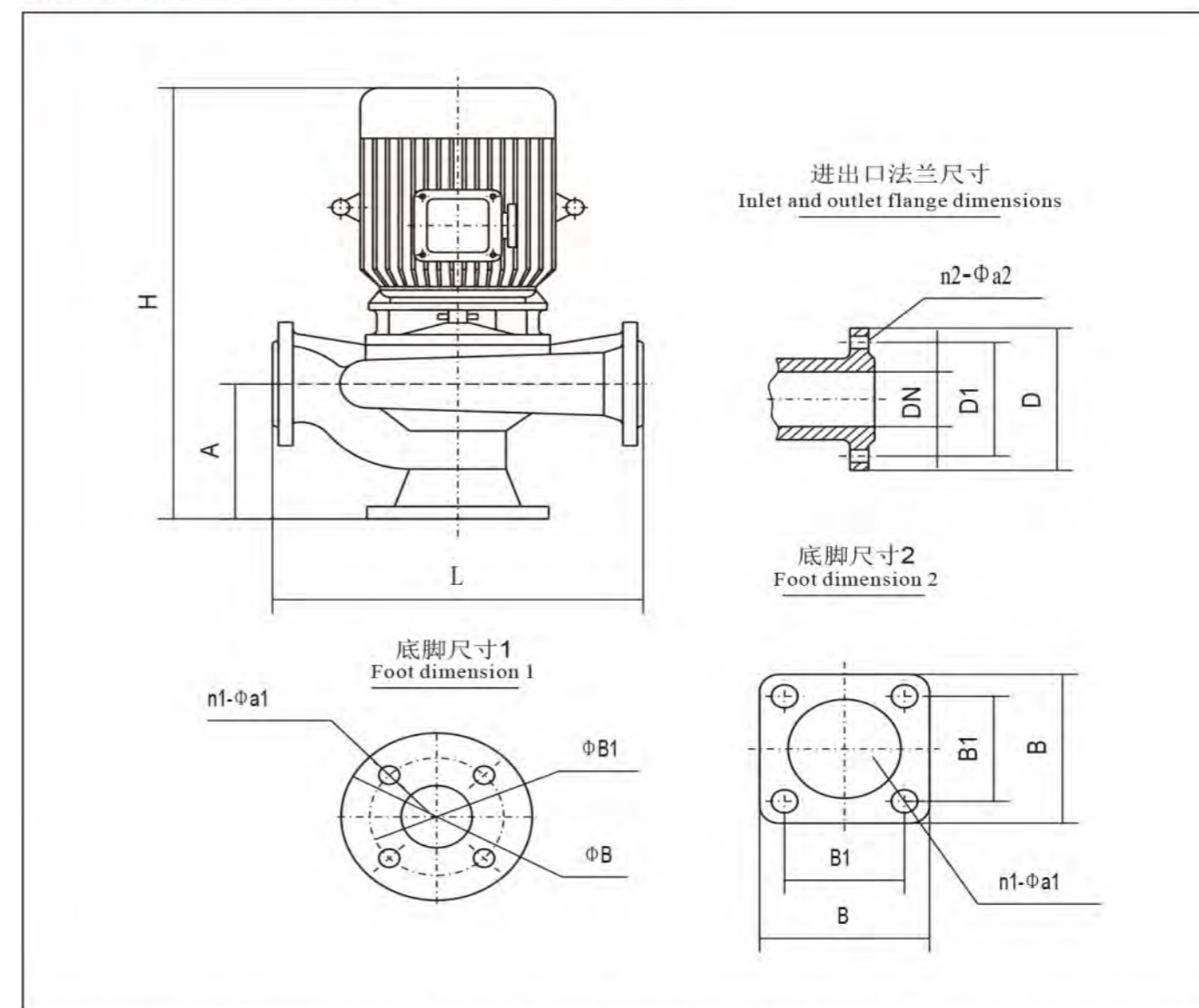
性能参数表 Performance Parameter Table

序号 No.	型 号 Type	口径 Caliber (mm)	流量 Flow (m³/h)	扬程 Head (m)	转速 Speed (r/min)	功率 Power (kW)	效率 Eff. (%)
112	300GW800-36-132	300	480 800 1040	40 36 32	1450	132	68 76 75
113	300GW800-44-160	300	480 800 1040	49 44 40	1450	160	60 68 66
114	350GW1200-8-45	350	720 1200 1440	13 8 5	980	45	76 84 85
115	350GW1100-10-55	350	660 1100 1320	15 10 7	980	55	76 84 86
116	350GW1300-12-75	350	780 1300 1560	17 12 8	980	75	76 83 85
117	350GW1500-15-90	350	900 1500 1800	19 15 11	980	90	75 83 83
118	350GW1200-18-90	350	720 1200 1440	23 18 14	980	90	76 83 85
119	350GW1100-28-132	350	660 1100 1320	34 28 23	980	132	77 83 85
120	350GW1000-36-160	350	600 1000 1200	41 36 32	980	160	71 78.5 76
121	400GW1200-6-37	400	720 1200 1440	10 6 4	980	37	60 67 65
122	400GW1300-8-45	400	780 1300 1560	13 8 4	980	45	60 66 68
123	400GW1760-7.5-55	400	1055 1760 2110	11 7.5 4.5	980	55	75 82.3 85
124	400GW1300-10-55	400	780 1300 1560	15 10 6	980	55	76 82 80
125	400GW2600-6-75	400	1560 2600 3120	10 6 3	980	75	70 78 80
126	400GW1500-10-75	400	900 1500 1800	15 10 6	980	75	76 82.1 83
127	400GW2200-9-110	400	1320 2200 2640	14 9 6	980	110	75 80 82
128	400GW2000-15-132	400	1200 2000 2400	19 15 12	740	132	78 85.5 84
129	400GW1600-20-132	400	960 1600 1920	25 20 16	740	132	76 82 80
130	400GW1700-22-160	400	1020 1700 2040	28 22 18	980	160	75 82 84
131	400GW1500-26-160	400	900 1500 1800	32 26 22	980	160	78 83.5 85
132	400GW2000-22-200	400	1200 2000 2400	26 22 18	980	200	76 82 85
133	400GW1700-30-200	400	1020 1700 2040	35 30 26	980	200	77 83.5 85
134	400GW1800-32-250	400	1080 1800 2160	36 32 28	740	250	76 82 84

性能参数表 Performance Parameter Table

[illegible]

安装尺寸图表 Installing Dimension Table



序号 No.	型号 Type	A	B	B1	N1-ΦA1	D1	D	N2-ΦA2	L	H
1	25GW8-22-1.1	110	120	105	4-φ12	90	120	4-φ14	270	430
2	32GW12-15-1.1	110	120	105	4-φ12	90	120	4-φ14	270	430
3	40GW15-15-1.5	120	130	105	4-φ12	100	130	4-φ14	310	470
4	40GW15-30-2.2	120	130	105	4-φ12	100	130	4-φ14	310	490
5	50GW20-7-0.75	130	150	125	4-φ13	110	140	4-φ14	330	500
6	50GW10-10-0.75	130	150	125	4-φ13	110	140	4-φ14	330	500
7	50GW25-10-1.5	130	150	125	4-φ13	110	140	4-φ14	310	490
8	50GW20-15-1.5	130	150	125	4-φ13	110	140	4-φ14	310	490
9	50GW27-15-2.2	130	150	125	4-φ13	110	140	4-φ14	310	510
10	50GW15-25-2.2	130	150	125	4-φ13	110	140	4-φ14	310	510
11	50GW18-30-3	130	150	125	4-φ13	110	140	4-φ14	330	560
12	50GW24-20-4	130	150	125	4-φ13	110	140	4-φ14	330	580

安装尺寸表 Installing Dimension Table

序号 No.	型号 Type	A	B	B1	N1-ΦA1	D1	D	N2-ΦA2	L	H
13	50GW25-32-5.5	140	170	145	4-φ14	110	140	4-φ14	350	620
14	50GW30-30-7.5	140	170	145	4-φ14	110	140	4-φ14	350	660
15	50GW20-40-7.5	140	170	145	4-φ14	110	140	4-φ14	350	660
16	65GW42-9-2.2	140	160	135	4-φ13	130	160	4-φ14	310	500
17	65GW25-15-2.2	140	160	135	4-φ13	130	160	4-φ14	310	500
18	65GW37-13-3	140	160	135	4-φ13	130	160	4-φ14	310	560
19	65GW25-30-4	140	160	135	4-φ13	130	160	4-φ14	330	600
20	65GW40-30-7.5	140	170	145	4-φ14	130	160	4-φ14	350	660
21	65GW30-40-7.5	140	170	145	4-φ14	130	160	4-φ14	350	660
22	65GW35-50-11	150	200	160	4-φ18	130	160	4-φ14	370	750
23	65GW35-60-15	150	200	160	4-φ18	130	160	4-φ14	370	800
24	80GW40-7-2.2	180	200	170	4-φ14	150	190	4-φ18	420	650
25	80GW30-8-2.2	180	200	170	4-φ14	150	190	4-φ18	420	650
26	80GW50-10-3	160	200	170	4-φ14	150	190	4-φ18	360	610
27	80GW43-13-3	160	200	170	4-φ14	150	190	4-φ18	360	610
28	80GW60-13-4	160	200	170	4-φ14	150	190	4-φ18	360	620
29	80GW40-15-4	160	200	170	4-φ14	150	190	4-φ18	360	620
30	80GW50-20-5.5	160	200	170	4-φ14	150	190	4-φ18	420	710
31	80GW80-15-7.5	180	200	170	4-φ14	150	190	4-φ18	420	710
32	80GW65-25-7.5	180	200	170	4-φ14	150	190	4-φ18	420	710
33	80GW50-35-11	180	200	170	4-φ18	150	190	4-φ18	420	750
34	80GW50-40-15	180	200	170	4-φ18	150	190	4-φ18	420	750
35	100GW100-7-4	180	250	220	4-φ18	170	210	4-φ18	420	700
36	100GW80-10-4	180	250	220	4-φ18	170	210	4-φ18	420	700
37	100GW110-10-5.5	180	250	220	4-φ18	170	210	4-φ18	460	750
38	100GW65-15-5.5	200	250	220	4-φ18	170	210	4-φ18	460	750
39	100GW100-15-7.5	200	250	220	4-φ18	170	210	4-φ18	460	750
40	100GW85-20-7.5	200	250	220	4-φ18	170	210	4-φ18	460	750
41	100GW50-22-7.5	200	250	220	4-φ18	170	210	4-φ18	460	750
42	100GW100-25-11	240	280	240	4-φ18	170	210	4-φ18	630	890
43	100GW70-22-11	240	280	240	4-φ18	170	210	4-φ18	630	890
44	100GW50-35-11	240	280	240	4-φ18	170	210	4-φ18	630	890
45	100GW87-28-15	260	300	240	4-φ18	170	210	4-φ18	660	910
46	100GW100-30-15	260	300	240	4-φ18	170	210	4-φ18	660	910
47	100GW100-35-18.5	260	300	240	4-φ18	170	210	4-φ18	660	910
48	100GW100-40-22	260	300	240	4-φ18	170	210	4-φ18	660	930
49	100GW80-50-30	260	300	240	4-φ18	170	210	4-φ18	700	960
50	100GW80-60-37	260	300	240	4-φ18	170	210	4-φ18	700	960
51	125GW130-15-11	250	280	240	4-φ18	200	235	8-φ18	650	870
52	125GW130-20-15	250	280	240	4-φ18	200	235	8-φ18	650	920
53	150GW140-7-5.5	250	280	240	4-φ18	225	265	8-φ18	650	800
54	150GW120-10-5.5	250	280	240	4-φ18	225	265	8-φ18	650	800
55	150GW210-7-7.5	250	280	240	4-φ18	225	265	8-φ18	650	800
56	150GW145-9-7.5	250	280	240	4-φ18	225	265	8-φ18	650	800
57	150GW110-15-7.5	250	280	240	4-φ18	255	265	8-φ18	650	800

安装尺寸表 Installing Dimension Table

序号 No.	型号 Type	A	B	B1	N1-ΦA1	D1	D	N2-ΦA2	L	H
58	150GW200-10-15	250	320	260	4-φ22	240	280	8-φ18	690	950
59	150GW180-15-15	250	320	260	4-φ22	240	280	8-φ18	690	950
60	150GW140-18-15	250	320	260	4-φ22	240	280	8-φ18	690	950
61	150GW200-14-18.5	250	320	260	4-φ22	240	280	8-φ18	690	950
62	150GW180-20-18.5	250	320	260	4-φ22	240	280	8-φ18	690	950
63	150GW150-25-18.5	250	320	260	4-φ22	240	280	8-φ18	690	950
64	150GW200-22-22	250	320	260	4-φ22	240	280	8-φ18	690	920
65	150GW180-25-22	250	320	260	4-φ22	240	280	8-φ18	690	970
66	150GW130-30-22	260	320	260	4-φ22	240	280	8-φ18	690	970
67	150GW250-22-30	260	340	290	4-φ22	240	280	8-φ18	690	1020
68	150GW180-30-30	260	340	290	4-φ22	240	280	8-φ18	690	1020
69	150GW200-30-37	260	340	290	4-φ22	240	280	8-φ18	690	1040
70	150GW150-35-37	260	340	290	4-φ22	240	280	8-φ18	690	1040
71	150GW160-45-37	260	340	290	4-φ22	240	280	8-φ18	690	1040
72	200GW360-6-11	280	350	300	4-φ22	295	335	8-φ18	800	900
73	200GW300-7-11	280	350	300	4-φ22	295	335	8-φ18	800	900
74	200GW400-7-15	280	350	300	4-φ22	295	335	8-φ18	800	900
75	200GW250-11-15	280	350	300	4-φ22	295	335	8-φ18	800	960
76	200GW300-10-18.5	280	350	300	4-φ22	295	335	8-φ18	800	960
77	200GW250-15-18.5	280	350	300	4-φ22	295	335	8-φ18	800	960
78	200GW400-10-22	280	350	300	4-φ22	295	335	8-φ18	800	1000
79	200GW310-13-22	280	350	300	4-φ22	295	335	8-φ18	800	1000
80	200GW300-15-22	280	350	300	4-φ22	295	335	8-φ18	800	1000
81	200GW400-13-30	280	350	300	4-φ22	295	335	8-φ18	800	1080
82	200GW360-15-30	280	350	300	4-φ22	295	335	8-φ18	800	1080
83	200GW250-22-30	280	350	300	4-φ22	295	335	8-φ18	800	1080
84	200GW350-25-37	280	350	300	4-φ22	295	335	8-φ18	800	1100
85	200GW400-25-45	280	350	300	4-φ22	295	335	8-φ18	860	1130
86	200GW380-28-45	280	350	300	4-φ22	295	335	8-φ18	860	1130
87	200GW250-35-45	280	350	300	4-φ22	295	335	8-φ18	860	1130
88	200GW400-30-55	290	360	310	4-φ22	295	335	8-φ18	860	1280
89	200GW250-40-55	290	360	310	4-φ22	295	335	8-φ18	860	1280
90	200GW350-40-75	290	360	310	4-φ22	295	335	8-φ18	860	1300
91	200GW350-45-90	290	360	310	4-φ22	295	335	8-φ18	860	1340
92	250GW500-7-18.5	350	380	320	4-φ23	350	390	12-φ23	950	1050
93	250GW520-8-22	350	380	320	4-φ23	350	390	12-φ23	950	1050
94	250GW600-9-30	350	380	320	4-φ23	350	390	12-φ23	950	1100
95	250GW500-10-30	350	380	320	4-φ23	350	390	12-φ23	950	1100
96	250GW700-10-37	350	380	320	4-φ23	350	390	12-φ23	950	1150
97	250GW600-12-37	350	380	320	4-φ23	350	390	12-φ23	950	1150
98	250GW600-15-45	350	380	320	4-φ23	350	390	12-φ23	950	1200
99	250GW600-20-55	350	380	320	4-φ23	350	390	12-φ23	950	1300
100	250GW700-20-75	350	380	320	4-φ23	350	390	12-φ23	950	1400
101	250GW600-25-75	350	380	320	4-φ23	350	390	12-φ23	950	1400
102	250GW600-30-90	350	380	320	4-φ23	350	390	12-φ23	950	1460

安装尺寸表 Installing Dimension Table

序号 No.	型号 Type	A	B	B1	N1-ΦA1	D1	D	N2-ΦA2	L	H
103	300GW900-8-37	350	450	410	4-Φ23	395	440	12-Φ23	1100	1200
104	300GW800-12-45	350	450	410	4-Φ23	395	440	12-Φ23	1100	1200
105	300GW500-15-45	390	450	410	4-Φ23	395	440	12-Φ23	1100	1200
106	300GW800-15-55	390	450	410	4-Φ23	395	440	12-Φ23	1100	1300
107	300GW600-20-55	390	450	410	4-Φ23	395	440	12-Φ23	1100	1300
108	300GW800-20-75	390	450	410	4-Φ23	395	440	12-Φ23	1100	1380
109	300GW950-20-90	390	450	410	4-Φ23	395	440	12-Φ23	1100	1430
110	300GW1000-25-110	390	450	410	4-Φ23	395	440	12-Φ23	1100	1500
111	300GW800-32-110	390	450	410	4-Φ23	395	440	12-Φ23	1100	1500
112	300GW800-36-132	390	450	410	4-Φ23	395	440	12-Φ23	1100	1540
113	300GW800-44-160	390	450	410	4-Φ23	395	440	12-Φ23	1100	1540
114	350GW1200-8-45	390	450	410	4-Φ23	395	440	12-Φ23	1100	1540
115	350GW1100-10-55	450	480	430	4-Φ23	460	500	12-Φ23	1250	1450
116	350GW1300-12-75	450	480	430	4-Φ23	460	500	12-Φ23	1250	1480
117	350GW1500-15-90	450	480	430	4-Φ23	460	500	12-Φ23	1250	1500
118	350GW1200-18-90	450	480	430	4-Φ23	460	500	12-Φ23	1250	1520
119	350GW1100-28-132	450	480	430	4-Φ23	460	500	12-Φ23	1250	1700
120	350GW1000-36-160	450	480	430	4-Φ23	460	500	12-Φ23	1250	1780
121	400GW1200-6-37	500	520	470	4-Φ33	515	560	16-Φ26	1380	1430
122	400GW1300-8-45	500	520	470	4-Φ33	515	560	16-Φ26	1380	1500
123	400GW1760-7.5-55	500	520	470	4-Φ33	515	560	16-Φ26	1380	1500
124	400GW1300-10-55	500	520	470	4-Φ33	515	560	16-Φ26	1380	1560
125	400GW2600-6-75	500	520	470	4-Φ33	515	560	16-Φ26	1380	1600
126	400GW1500-10-75	500	520	470	4-Φ33	515	560	16-Φ26	1380	1600
127	400GW2200-9-110	500	520	470	4-Φ33	515	560	16-Φ26	1380	1650
128	400GW2000-15-132	500	520	470	4-Φ33	515	560	16-Φ26	1380	1800
129	400GW1600-20-132	500	520	470	4-Φ33	515	560	16-Φ26	1380	1800
130	400GW1700-22-160	500	520	470	4-Φ33	515	560	16-Φ26	1380	1880
131	400GW1500-26-160	500	520	470	4-Φ33	515	560	16-Φ26	1380	1880
132	400GW2000-22-200	500	520	470	4-Φ33	515	560	16-Φ26	1380	2000
133	400GW1700-30-200	500	520	470	4-Φ33	515	560	16-Φ26	1380	2000
134	400GW1800-32-250	500	520	470	4-Φ33	515	560	16-Φ26	1380	2100
135	400GW2000-30-280	500	520	470	4-Φ33	515	560	16-Φ26	1380	2100
136	500GW2500-10-110	600	700	620	4-Φ33	620	670	20-Φ26	1800	2150
137	500GW2000-15-110	600	700	620	4-Φ33	620	670	20-Φ26	1800	2150
138	500GW2800-10-132	600	700	620	4-Φ33	620	670	20-Φ26	1800	2150
139	500GW3600-10-160	600	700	620	4-Φ33	620	670	20-Φ26	1800	2150
140	500GW2600-15-160	600	700	620	4-Φ33	620	670	20-Φ26	1800	2150
141	500GW2000-20-160	600	700	620	4-Φ33	620	670	20-Φ26	1800	2150
142	500GW3000-15-200	600	700	620	4-Φ33	620	670	20-Φ26	1800	2300
143	500GW2500-20-200	600	700	620	4-Φ33	620	670	20-Φ26	1800	2300
144	500GW2800-15-220	600	700	620	4-Φ33	620	670	20-Φ26	1800	2300
145	500GW2400-22-220	600	700	620	4-Φ33	620	670	20-Φ26	1800	2300
146	500GW4000-15-250	600	700	620	4-Φ33	620	670	20-Φ26	1800	2300
147	500GW2600-24-250	600	700	620	4-Φ33	620	670	20-Φ26	1800	2300

泵的安装

1.泵和管路应有各自支承件，不得将管路重量作用于泵上。

2.排出管路如装逆止阀应装在闸阀的外面。

3.为了维修方便和使用安全，在泵的进出口管路上各安装一只调节阀及在泵出口附近安装一只压力表以保证泵在额定扬程和流量范围内运行，确保泵的正常运行，提高水泵的使用寿命。

4.安装泵时必须拧紧地脚螺栓，以免启动时振动对泵性能的影响。

5.当输送高温液体时为了不使泵承受管路的热变形，泵座的底脚螺栓不应固定，当管路系统在热胀冷缩时，使泵能与管路一起移动。

6.泵进出口连接法兰按GB4216-84标准设计，管路法兰应配以相同规定。

7.泵安装后拨动泵轴，叶轮应无摩擦声或卡死现象，否则应将泵拆开检查维修。

8.安装前应检查水泵和电机的紧固情况和有无损伤。

泵使用方法和注意事项

1.泵使用前应仔细检查紧固件是否松动或脱落，泵在运输、存放、安装过程中有无变形或损坏。

2.泵启动后，旋转方向从进水口看为逆时针转动，如果电泵反转，只需将电缆丝中的任何二相线对调一下接线位置即可。

3.不得将电泵长期处于低扬程状态下运行(一般情况下使用扬程不得低于额定扬程的60%)，最好能控制在建议使用扬程范围以内，以防水泵因超载而烧坏电机。

4.泵不应在汽蚀工况下运行，以提高泵的使用寿命，严禁水泵缺液运行，否则极易烧损机械密封件。

5.如泵的零件为铸铁制成时，在冬季露天安装时，应注意防止击破，温度特别低时，应加以保温。

Pump installation

1. The pump and the pipeline should be supported separately, and the pipeline weight should not be exerted on the pump.

2. To mount a check valve or the like on the discharge pipeline, it shall be mounted outside the gate valve.

3. For easy maintenance and safe use, a control valve is mounted respectively on the pump's inlet and outlet pipelines and a pressure gauge mounted near the pump's outlet to guarantee the operation within the rated lift head and flow ranges, ensure the pump's normal operation and extend its service life.

4. When installing the pump, it's necessary to fasten anchor bolts to prevent vibrations on starting from affecting the pump's performance.

5. When transporting any hot liquid, the anchor bolts of the pump base should not be fixed so that the pump will not withstand the pipeline's thermal deformation, and the pump can move together with the pipeline during the pipeline's thermal expansion and contraction.

6. The pump's inlet and outlet connecting flanges are designed as GB4216-84, and the pipeline flanges should be consistent with them.

7. After the pump is installed, turn the pump, and the impeller shall have no friction sound or seizure; otherwise, it's necessary to disassemble the pump for troubleshooting.

8. Before installation, it's necessary to check whether the water pump and the motor are fastened or damaged.

Methods and Notes for Pump Use

1. Before using the pump, it's necessary to check carefully whether the fasteners are loosened or uncoupled and whether the pump is deformed or damaged in the process of transportation, storage and installation.

2. After the pump is started, its rotation direction shall be counterclockwise when seen from the water inlet. If the electric pump is reverse, just exchange wiring positions of any two phase wires of the cable conductor.

3. Don't run the electric pump in a state of low lift head for long (generally the working lift head shall not be lower than 60% of the rated lift head) and it's better to control within the recommended working lift head to prevent burning of the motor caused by overload the water pump.

4. The pump should not run in cavitation conditions so as to extend its service life, and it's prohibited to dry-run the pump, or the mechanical sealing elements may be vulnerable to being burnt.

5. If the pump parts are made of cast iron, pay attention to breakage when it's installed outdoors in winter, and if the temperature is particularly low, it should be insulated.

维护与保养

1. 电泵应有专人管理与使用，并定期检查绝缘电阻是否正常。

2. 叶轮和泵体之间的密封环具有密封功能，如密封环损坏将直接影响泵的性能，必须及时更换。

3. 水泵如长时间不用时，应将水泵的液体放干，以防热胀冷缩损坏水泵内部件。

Maintenance

1. The electric pump shall be managed and used by specific personnel, and it's also necessary to check periodically whether the insulation resistance is normal.

2. The gasket ring between the impeller and the pump body has a sealing function, and if the ring is damaged, it will have a direct influence on the pump's performance, so it must be replaced promptly.

3. If the water pump is to be idle for long, the liquid inside it should be drained to prevent thermal expansion and contraction from damaging its internal parts.

故障排除方法 Troubleshooting Methods

故障现象 Symptom	原因分析 Reason Analysis	排除方法 Removal Methods
流量不足 或不出水 Flow is deficient or no water comes out	1. 叶轮旋转错误 2. 阀门是否打开和完好 3. 管道叶轮被堵 4. 扬程过高 5. 抽送介质密度较大 6. 密封圈损坏 1. The impeller rotation is wrong 2. Whether the valve is opened and intact 3. The pipeline impeller is clogged 4. The lift head is too high 6. The working medium density is high 6. The gasket ring is damaged	1. 调整叶轮旋转方向 2. 检查、维修、排除 3. 清理杂物 4. 改泵或降低扬程 5. 用水冲稀降低浓度 6. 更换 1. Adjust the impeller's rotation direction 2. Check, repair and troubleshoot it 3. Remove the clogging 4. Change the pump or reduce the lift head 5. Dilute with water to reduce concentration 6. Replace it
运行不稳定 Instable running	1. 叶轮不平衡 2. 轴承损坏 1. The impeller is not balanced 2. The bearing is damaged	1. 送制造厂调换或校正 2. 更换 1. Send it to the manufacturer to replace or calibrate it 2. Replace it
泵不能启动 Pump failing to start	1. 缺相 2. 叶轮卡住 3. 定子绕组烧坏 1. Open-phase 2. The impeller is clogged 3. The stator winding is burnt	1. 检查电器及电路，进行修复 2. 排除杂物 3. 修理、更换绕组 1. Check the electric apparatus and the circuit, and repair 2. Remove the clogging 3. Repair and replace the winding
电流过大 The current is excessive	1. 工作电压低 2. 管道、叶轮被堵 3. 抽送液体的密度或粘度较高 4. 使用扬程过低 1. The working voltage is low 2. The pipeline and the impeller are clogged 3. The working liquid's density or viscosity is high 4. The working lift head is too low	1. 调整工作电压 2. 清理管道、叶轮堵物 3. 改变密度或粘度 4. 减少流量，提高扬程 1. Adjust the working voltage 2. Remove the clogging in the pipeline or the impeller 3. Change the density or viscosity 4. Reduce the flow and improve the lift head
压力不足 Under-pressure	1. 机械密封损坏或泄漏 2. 电缆线破损 3. 密封环磨损或损坏 1. The mechanical seal is damaged or leaks 2. The cable is damaged 3. The gasket ring is worn or damaged	1. 更换 2. 更换 3. 更换 1. Replace it 2. Replace it 3. Replace it

免责声明！

- ◇ 为确保泵的寿命及安全可靠运行并避免危险性，请务必按说明书要求操作和维护。
- ◇ 本使用说明书未能全面考虑到当地特殊因素下的操作规定，操作人员必须严格遵守相关操作规定
- ◇ 本公司对于水泵或配套设备的错误操作造成的故障，以及超出本公司产品性能范围使用所导致的损坏而带来的损失，不负任何责任。



警告：水泵和电机工作期间，非相关人员请勿靠近，以免发生意外事故！

EXCEPTIONS EXEMPTION TSATEMENT !

- ◇ To ensure the pump life , running stability and avoid danger , please do operate and maintain as illustrated in the instructions .
- ◇ The instruction may not include the local regulations , the operator should strictly flow those regulations .
- ◇ Our company are not responsible for the lose caused by improbable or wrong operation of the pump and relative equipments or to use beyond product's performance range .



Waring: While the pump and motor is working , all non-related person keep away , in case of accidents !