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概述 General

QI 型泵系单级单吸（轴向吸入）清水离心泵，适用于工业和城市给水、排水，亦可用于农业排灌。输送清水或物理及化学性质类似清水的其它液体之用。温度不得高于 80℃。

The pump of type QI is a single stage, single suction (axial suction) centrifugal for pumping clean water and the other liquids physically and chemically similar to the clean water. The temperature of liquid shall not be over 80℃. This pump is suitable for public water supply and drainage duties in industries and land irrigation also in agriculture.

QI 型泵系列性能范围（按设计点计）

转 速 n: 2900r/min 和 1450 r/min

进口直径: 50~200mm

流 量 Q: 6.3~400 mm

扬 程 H: 5~125 mm

Design duty and features: (at design point)

Speed n: 2900rpm and 1450rpm

Inlet diameter: 50 to 200mm

Capacity Q: 6.3to 400m³/h

Head H: 5 to 125m

泵型标记 Definitions of the marks

QI 80 - 65 - 160A J (or D)

降速性能泵
Speed -decreasing pump

叶轮切割档次 (mm)
How the impeller is cut

叶轮名义直径
Impeller's diameter

排出口直径 (mm)
The outlet diameter

吸入口直径 (mm)
The inlet diameter

单级单吸环保节能清水离心泵
(热水循环泵)

Single -stage single-suction environment friendly clean water centrifugal pump
(hot water circulation pump)

结构说明 Construction

1、QI 型泵系根据国际标准 ISO 2858 所规定的性能和尺寸设计的，主要由泵体（1）、泵盖（2）、叶轮（3）、轴（4）、密封环（5）、轴套（8）及悬架轴承部件（12）等所组成（图 1）。

2、QI 型泵的泵体和泵盖是从叶轮背面处剖分的，即通常所说的后开门结构形式。其优点是检修方便，检修时不动泵体、吸入管路、排出管路和电动机，即可退出转子部件进行维修。

3、泵的壳体（即泵体泵盖）构成泵的工作室，叶轮、轴和轴套等为泵的转子部件。悬架轴承部件支撑着泵的转子部件，滚动轴承承受泵的径向力和部分轴向力。

4、为了平衡泵的轴向力，大多数泵的叶轮前、后均设有密封环，并在叶轮后盖板上设有平衡孔。由于有些泵的轴向力不大，叶轮背面未设密封环和平衡孔。

5、泵的轴向密封是由填料压盖（9）、填料环（10）和填料（11）等组成，以防止进气或大量漏水。泵的叶轮如有平衡孔，则装软填料的空腔与叶轮吸入口相通，若叶轮入口处液体处于真空状态，则很容易沿着轴套表面进气，故在填料腔内装有填料环，通过泵盖上的小孔，将泵室内压力水引至填料环进行密封。泵的叶轮如没有平衡孔，由于叶轮背向液体压力大于大气压，因而不存在漏气问题，故可不装填料环。

1.QI type pump is designed with performance and dimensions specified to the International Standard ISO 2858. The major components are casing (1) casing cover (2) impeller (3) shaft (4) wear ring (5) shaft sleeve (8) bearing bracket (12) etc. (See Fig 1)

2.QI pump is divided into the casing and the casing cover from the back face of the impeller i.e. back pull-out design.QI pump has the advantages for ease of inspection and maintenance. When inspection, only dismantle the intermediate connector between pump coupling and motor coupling. The rotating element can be completely removed without disturbing the casing, suction and discharge pipeline and motor.

3.The pump volute form is composed of casing and casing cover. The rotating element consists of impeller, shaft and rolling bearing. The rotating element is carried by the rolling bearings mounted in a hanging bearing bracket and radial and axial thrust is supported by the bearings.

4.In order to balance axial thrust, there are both wear rings in front and at the back of the majority of the impeller and the balance hole is on the back shroud of the impeller. The axial thrust of some pumps is not big enough, so there is no wear ring and balance hole at the back of the impeller.

5.The shaft seal consists of packing gland (9) water seal ring (10) and packing (11) to prevent air from in taking or the amount of leakage. If there is a balance hole of the impeller, cavity for soft packing connects to the impeller entrance. If liquid of the impeller entrance is at vacuum state, it is easy for air entraining along the surface of the shaft sleeve. So water seal ring is in the stuffing box. Pressure water in the pump volute is led to water seal ring to be sealed. If there is no balance hole of the impeller, liquid pressure at the back face of the impeller is higher than atmosphere. There is no air leakage, so the water seal ring can not be packed.

6、为避免轴磨损，在轴通过填料腔的部位装有轴套保护，轴与轴套之间装有 O 型密封圈，以防沿着配合表面进气或漏水

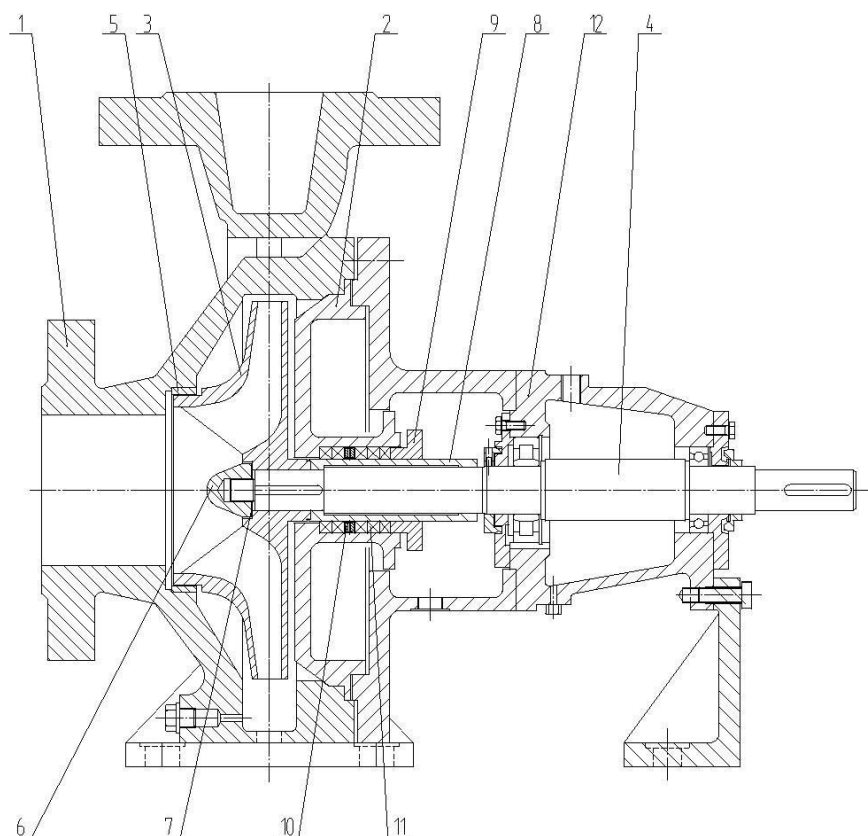
7、泵的传动方式是通过弹性联轴器与电动机联接的。泵的旋转方向，从电动机端看，为顺时针方向旋转。

8、 泵的尺寸见图 3 和表 2。泵的吸入口和排出口的法兰连接尺寸见图 5 和表 4。

6.The shaft sleeve is on the shaft to avoid excessive shaft wear. There is “O” ring between the shaft and the shaft sleeve to prevent air entrance or water leakage along the matched surface.

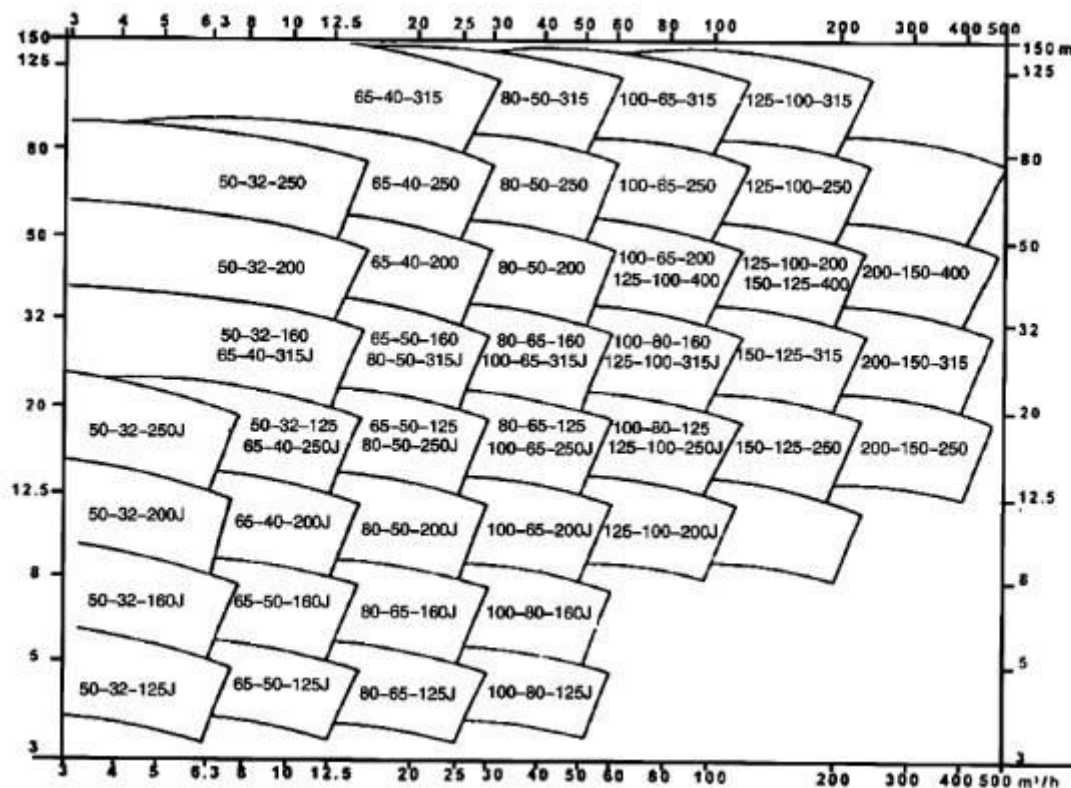
7.Drive is transmitted from the motor to the pump by a flexible coupling with the intermediate connector. Rotation is clockwise when viewed from the driven end.

8.See Fig 3 and chart 2 for the pump dimensions. See Fig 5 and chart 4 for dimensions of suction and delivery flange.



1、泵体	1.casing	2、泵盖	2.casing cover
3、叶轮	3.impeller	4、轴	4.shaft
5、密封环	5.wear ring	6、叶轮螺母	6.impeller nut
7、制动垫圈	7.Brake gasket	8、轴套	8.shaft sleeve
9、填料压盖	9.gland	10、填料环	10.water seal ring
11、填料	11.packing	12、悬架轴承部件	12.bearing bracket

QI 型泵性能曲线 Size and performance curve of QI pump



QI 型泵性能参数 Size and performance parameters of QI pump

型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配套 功率 Motor power	效率 Eff.	必需汽 蚀余量 (NPSH)r	泵外形尺寸 (长 X 宽 X 高) Overall Dimensions L*W*H	进口 Inlet Dia.	出口 Outlet Dia.	重量 Weight
	m³/h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI50-32-160A	7.0	30	2900	1.36	2.2	42	2	465x240x292	50	32	38
	11.7	28		1.71		52	2				
	14	26		1.83		54	2.5				
QI50-32J-160A	3.5	7.4	1450	0.21	0.55	34	2	465x240x292	50	32	38
	5.9	7		0.25		45.5	2				
	7	6.6		0.27		46	2.5				
QI50-32-160B	6	25.8	2900	1.05	1.5	40	2	465x240x292	50	32	37
	10	23		1.25		50	2				
	12	21		1.32		52	2.5				
QI50-32J-160B	3	6.4	1450	0.16	0.55	32	2	465x240x292	50	32	37
	5.4	6		0.21		42	2				
	6.5	5.6		0.23		43	2.5				
QI50-32-160A	7.5	52.5	2900	2.82	5.5	38	2	465x240x340	50	32	43
	12.5	50		3.54		48	2				
	15	48		3.95		51	2.5				

型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配套 功率 Motor power	效率 Eff.	必需汽 蚀余量 (NPSH)r	泵外形尺寸 (长 X 宽 X 高) Overall Dimensions L*W*H	进口 Inlet Dia.	出口 Outlet Dia.	重量 Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI50-32J-200	3.8	13.1	1450	0.41	0.75	33	2	465x240x340	50	32	43
	6.3	12.5		0.51		42	2				
	7.5	12		0.56		44	2.5				
QI50-32-200A	7	45.3	2900	2.33	4	37	2	465x240x340	50	32	42
	11.7	44		3.05		46	2				
	14	41.5		3.2		49.5	2.5				
QI50-32J-200A	3.5	11.3	1450	0.34	0.55	32	2	465x240x340	50	32	42
	7.9	11		0.44		40.5	2				
	7	10.4		0.46		42.5	2.5				
QI50-32-200B	6.5	39.6	2900	1.95	3	36	2	465x240x340	50	32	41
	10.8	37.5		2.42		45.5	2				
	13	36		2.63		48.5	2.5				
QI50-32J-200B	3.3	9.9	1450	0.28	0.55	31	2	465x240x340	50	32	41
	5.4	9.5		0.36		39	2				
	6.5	9.1		0.39		41.2	2.5				
QI50-32-250	7.5	82	2900	5.87	11	28.5	2	600x320x405	50	32	75
	12.5	80		7.16		38	2				
	15	78.5		7.83		41	2.5				
QI50-32J-250	3.8	20.5	1450	0.91	1.5	23	2	600x320x405	50	32	75
	6.3	20		1.07		32	2				
	7.5	19.5		1.14		35	2.5				
QI50-32-250A	7	72	2900	4.9	7.5	28	2	600x320x405	50	32	74
	11.7	70		5.95		37.5	2				
	14	68.5		6.53		40	2.5				
QI50-32J-250A	3.5	18	1450	0.76	1.1	32.1	2	600x320x405	50	32	74
	5.9	17.5		0.89		31.5	2				
	7	16.5		0.91		34.5	2.5				
QI50-32-250B	6	61.5	2900	3.65	5.5	27.5	2	600x320x405	50	32	73
	10	60		4.48		36.5	2				
	12	58.5		4.9		39	2.5				
QI50-32J-250B	3.2	15.3	1450	0.63	0.75	21.5	2	600x320x405	50	32	73
	5.4	15		0.72		30.5	2				
	6	13.8		0.67		33.5	2.5				
QI65-50-125	15	21.8	2900	1.54	3	58	2	456x210x252	65	50	36
	25	20		1.97		69	2				
	30	18.5		2.22		68	2.5				
QI65-50J-125	7.5	5.35	1450	0.21	0.55	53	2	456x210x252	65	50	36
	12.5	5		0.27		64	2				
	15	4.7		0.3		65	2.5				

型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配套 功率 Motor power	效率 Eff.	必需汽 蚀余量 (NPSH)r	泵外形尺寸 (长 X 宽 X 高) Overall Dimensions L*W*H	进口 Inlet Dia.	出口 Outlet Dia.	重量 Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI65-50J-125A	6.7	4.3	1450	0.15	0.55	52	2	456x210x252	65	50	35
	11.2	4		0.19		63	2				
	13.5	3.8		0.22		64	2.5				
QI65-50J-125B	12.6	14.8	2900	0.93	1.5	54.6	2	456x210x252	65	50	34
	21	13.5		1.19		64.8	2				
	25.2	12.5		1.35		63.5	2.5				
QI65-50-160	15	35	2900	2.65	5.5	54	2	456x240x292	65	50	42
	25	32		3.35		65	2				
	30	30		3.71		66	2.5				
QI65-50J-160	7.5	8.8	1450	0.36	0.75	50	2	456x240x292	65	50	42
	12.5	8		0.45		60	2				
	15	7.2		0.49		60	2.5				
QI65-50-160A	14	30.5	2900	2.15	4	54	2	456x240x292	65	50	41
	23.4	28		2.75		65	2				
	28	26.3		3.04		66	2.5				
QI65-50J-160A	7	7.6	1450	0.29	0.55	50	2	456x240x292	65	50	41
	11.7	7		0.37		60	2				
	14	6.3		0.4		60	2.5				
QI65-50-160B	13	26.3	2900	1.76	3	53	2	456x240x292	65	50	40
	21.7	24		2.22		64	2				
	26	22.5		2.45		65	2.5				
QI65-50J-160B	6.5	6.57	1450	0.24	0.55	49	2	456x240x292	65	50	40
	10.8	6		0.3		59	2				
	13	5.63		0.34		50	2.5				
QI65-40-200	15	53	2900	4.42	7.5	49	2	485x265x340	65	40	45
	25	50		5.67		60	2				
	30	47		6.29		61	2.5				
QI65-40J-200	7.5	13.2	1450	0.63	1.1	43	2	485x265x340	65	40	45
	12.5	12.5		0.77		55	2				
	15	11.8		0.85		57	2.5				
QI65-40-200A	14	46.2	2900	3.59	5.5	49	2	485x265x340	65	40	43
	23.4	44		4.67		60	2				
	18	41		5.13		61	2.5				
QI65-40J-200A	7	11.5	1450	0.51	0.75	43	2	485x265x340	65	40	43
	11.7	11		0.64		55	2				
	14	10.3		0.69		57	2.5				
QI65-40-200B	12.6	37	2900	2.67	4	47.5	2	485x265x340	65	40	41
	21.7	35.5		3.48		58	2				
	24	33		3.64		59	2.5				

型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配套 功率 Motor power	效率 Eff.	必需汽 蚀余量 (NPSH)r	泵外形尺寸 (长 X 宽 X 高) Overall Dimensions L*W*H	进口 Inlet Dia.	出口 Outlet Dia.	重量 Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI65-40J-200B	6.3	9.1	1450	0.37	0.55	42	2	485x265x340	65	40	41
	10.5	8.6		0.45		54	2				
	12.6	8		0.49		56	2.5				
QI65-40-250	15	82	2900	9.05	15	37	2	600x320x405	65	40	77
	25	80		10.89		53	2				
	30	78		12.02		53	2.5				
QI65-40J-250	7.5	21	1450	1.23	2.2	35	2	600x320x405	65	40	77
	12.5	20		1.48		48	2				
	15	18.5		1.65		48	2.5				
QI65-40-250A	14	72	2900	7.52	11	36.5	2	600x320x405	65	40	76
	23.4	70		8.75		51	2				
	28	68.5		8.95		52.5	2.5				
QI65-40J-250A	7	18	1450	0.98	1.5	35	2	600x320x405	65	40	76
	11.7	17.5		1.24		45	2				
	14	17		1.38		47	2.5				
QI65-40-250B	12.5	59	2900	5.58	7.5	36	2	600x320x405	65	40	75
	21	56		6.67		48	2				
	25	53.5		7		52	2.5				
QI65-40J-250B	6	15.5	1450	0.734	1.1	34.5	2	600x320x405	65	40	75
	10	14		0.87		44	2				
	12	13.5		0.96		46	2.5				
QI65-40-315	15	127	2900	18.5	30	28	2.5	625x345x450	65	40	85
	25	125		21.3		40	2.5				
	30	123		22.8		44	3				
QI65-40J-315	7.5	32.3	1450	2.63	4	25	2.5	625x345x450	65	40	85
	12.5	32		2.94		37	2.5				
	15	31.7		3.16		41	3				
QI65-40-315A	14.3	115.4	2900	17.98	22	28	2.5	625x345x450	65	40	83
	23.9	114		18.78		38.55	2.5				
	28.7	112.6		20.23		43.5	3				
QI65-40J-315A	7	29	1450	2.25	3	25	2.5	625x345x450	65	40	83
	11.7	28.5		2.49		36.5	2.5				
	14	28		2.64		40.5	3				
QI65-40-315B	13.6	104.7	2900	13.85	18.5	28	2.5	625x345x450	65	40	81
	22.7	103		16.33		39	2.5				
	27.7	101		17.4		43	3				
QI65-40J-315B	6.5	26.2	1450	1.84	2.2	25	2.5	625x345x450	65	40	81
	10.8	24		1.96		36	2.5				
	13	23		2.04		40	3				

型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配套 功率 Motor power	效率 Eff.	必需汽 蚀余量 (NPSH)r	泵外形尺寸 (长 X 宽 X 高) Overall Dimensions L*W*H	进口 Inlet Dia.	出口 Outlet Dia.	重量 Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI65-40-315C	12	12.52	2900	11.19	15	27	2.5	625x345x450	65	40	79
	20	92.5		13.02		38.5	2.5				
	24	89		13.69		42.5	3				
QI65-40J-315C	6	23	1450	1.5	2.2	25	2.5	625x345x450	65	40	79
	10	22.5		1.7		36	2.5				
	12	22		1.8		40	3				
QI80-65-125	30	22.5	2900	2.87	5.5	64	3	485x240x292	80	65	38
	50	20		3.63		75	3				
	60	18		3.97		74	3.5				
QI80-65J-125	15	5.6	1450	0.42	0.75	55	2.5	485x240x292	80	65	38
	25	5		0.48		71	2.5				
	30	4.5		0.51		72	3				
QI80-65-125A	26.8	18	2900	2.09	4	63	3	485x240x292	80	65	37
	44.7	16		2.63		74	3				
	53.6	14.4		2.9		72.5	3.5				
QI80-65J-125A	13.4	4.5	1450	0.3	0.55	54.5	2.5	485x240x292	80	65	37
	22.4	4		0.35		70	2.5				
	26.9	3.6		0.37		71	3				
QI80-65J-125B	26	16.4	2900	1.93	3	60	3	485x240x292	80	65	36
	43.4	14.6		2.43		71	3				
	52	13.1		2.67		69	3.5				
QI80-65-160	30	36	2900	4.82	7.5	61	2.5	485x265x340	80	65	44
	50	32		5.97		73	2.5				
	60	29		6.58		72	3				
QI80-65J-160	15	9	1450	0.67	1.5	55	2.5	485x265x340	80	65	44
	25	8		0.79		69	2.5				
	30	7.2		0.86		68	3				
QI80-65-160A	27	3.05	2900	3.74	5.5	60	2.5	485x265x340	80	65	43
	45	27		4.6		72	2.5				
	54	24.5		50.7		71	3				
QI80-65J-160A	14	7.9	1450	0.56	1.1	54	2.5	485x265x340	80	65	43
	23.4	7		0.67		67	2.5				
	28.1	6.3		0.73		66	3				
QI80-65-160B	24	25	2900	2.77	4	59	2.5	485x265x340	80	65	42
	40	22		3.42		70	2.5				
	48	19.5		3.69		69	3				
QI80-65J-160B	13	6.8	1450	0.45	0.75	53	2.5	485x265x340	80	65	42
	21.7	6		0.54		66	2.5				
	26	5.4		0.59		65	3				

型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配套 功率 Motor power	效率 Eff.	必需汽 蚀余量 (NPSH)r	泵外形尺寸 (长 X 宽 X 高) Overall Dimensions L*W*H	进口 Inlet Dia.	出口 Outlet Dia.	重量 Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI80-50-200	30	53	2900	7.87	15	55	2.5	485x265x340	80	50	47
	50	50		9.87		69	2.5				
	60	47		10.8		71	3				
QI80-50J-200	15	13.2	1450	1.06	2.2	51	2.5	485x265x340	80	50	47
	25	12.5		1.31		65	2.5				
	30	11.8		1.44		67	3				
QI80-50-200A	28.1	46.6	2900	6.54	11	54.5	2.5	485x265x360	80	50	46
	46.8	44		8.37		67	2.5				
	56.2	41.4		9.12		69.5	3				
QI80-50J-200A	14	11.6	1450	0.88	1.5	50.5	2.5	485x265x360	80	50	46
	23.4	11		1.11		63	2.5				
	28	10.4		1.22		65	3				
QI80-50-200B	25	40.2	2900	5.07	7.5	54	2.5	485x265x360	80	50	45
	41.5	38		6.51		66	2.5				
	50	35.7		7.1		68.5	3				
QI80-50J-200B	12.5	10	1450	0.68	1.1	50	2.5	485x265x360	80	50	45
	20.5	9.5		0.86		61.5	2.5				
	25	9		0.98		62.5	3				
QI80-50-250	30	84	2900	13.2	22	52	2.5	625x320x405	80	50	81
	50	80		17.3		63	2.5				
	60	75		19.2		64	3				
QI80-50J-250	15	21	1450	1.75	3	49	2.5	625x320x405	80	50	81
	25	20		2.27		60	2.5				
	30	18.8		2.52		61	3				
QI80-50-250A	28.1	73.6	2900	10.8	18.5	52	2.5	625x320x405	80	50	79
	46.8	70		14.3		62.5	2.5				
	56.2	65.7		15.7		64	3				
QI80-50J-250A	14	18.4	1450	1.43	2.2	49	2.5	625x320x405	80	50	79
	23.4	17.5		1.89		59	2.5				
	28	16		2.03		60	3				
QI80-50-250B	26	63	2900	8.75	15	51	2.5	625x320x405	80	50	77
	43.3	60		11.41		62	2.5				
	52	56.2		12.64		63	3				
QI80-50J-250B	12	15.75	1450	1.06	1.5	48.5	2.5	625x320x405	80	50	77
	20	15		1.4		58	2.5				
	24	12.5		1.38		59	3				
QI80-50-315	30	128	2900	25.5	37	41	2.5	625x345x505	80	50	90
	50	125		31.5		54	2.5				
	60	123		35.3		57	3				

型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配套 功率 Motor power	效率 Eff.	必需汽 蚀余量 (NPSH)r	泵外形尺寸 (长 X 宽 X 高) Overall Dimensions L*W*H	进口 Inlet Dia.	出口 Outlet Dia.	重量 Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI80-50J-315	15	32.5	1450	3.4	5.5	39	2.5	625x345x505	80	50	90
	25	32		4.19		52	2.5				
	30	31.5		4.6		56	3				
QI80-50-315A	28.7	116.9	2900	22.3	37	41	2.5	625x345x505	80	50	88
	47.7	114		27.4		54	2.5				
	57.3	112.3		30.7		57	3				
QI80-50J-315A	14.3	29.2	1450	2.91	5.5	39	2.5	625x345x505	80	50	88
	23.8	28.5		3.55		52	2.5				
	28.7	28		3.91		56	3				
QI80-50-315B	27.2	105.5	2900	19.06	30	41	2.5	625x345x505	80	50	86
	45.4	103		23.8		53.5	2.5				
	54.5	101.4		26.64		56.5	3				
QI80-50J-315B	13.6	26.4	1450	2.51	4	39	2.5	625x345x505	80	50	86
	22.7	25.8		3.07		52	2.5				
	27.2	25.4		3.36		56	3				
QI80-50-315C	24	92	2900	15.03	22	40	2.5	625x345x505	80	50	84
	40	89		18.29		53	2.5				
	48	87		21		54	3				
QI80-50J-315C	12.9	23.5	1450	2.12	3	39	2.5	625x345x505	80	50	84
	20	23		2.43		51.5	2.5				
	24	22		2.6		55.5	3				
QI100-80J-125	30	6	1450	0.77	1.5	64	4	485x280x340	100	80	44
	50	5		0.91		75	4.5				
	60	4		0.92		71	5				
QI100-80-125A	53.7	19.2	2900	4.53	7.5	62	4	485x280x340	100	80	43
	89.4	16		5.26		74	4.5				
	107.5	14.8		6.37		68	5				
QI100-80J-125A	26.9	4.8	1450	0.62	1.1	57	2.5	485x280x340	100	80	43
	44.7	4		0.74		66	2.5				
	53.7	3.7		0.85		64	3				
QI100-80-160	60	38	2900	8.4	15	70	3.5	600x280x360	100	80	63
	100	32		11.2		78	4				
	120	28		12.2		75	4.5				
QI100-80J-160	30	9.2	1450	1.12	2.2	67	2	600x280x360	100	80	63
	50	8		1.45		75	2.5				
	60	6.8		1.57		71	3.5				
QI100-80-160A	56.1	33.2	2900	7.3	11	69.5	3.5	600x280x360	100	80	62
	93.5	28		9.2		77.5	4				
	112.2	24.5		10.1		74	4.5				

型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配套 功率 Motor power	效率 Eff.	必需汽 蚀余量 (NPSH)r	泵外形尺寸 (长 X 宽 X 高) Overall Dimensions L*W*H	进口 Inlet Dia.	出口 Outlet Dia.	重量 Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI100-80J-160A	28.1	8	1450	0.92	1.5	66.5	2	600x280x360	100	80	62
	46.8	7		1.21		74	2.5				
	56.1	6		1.31		70	3.5				
QI100-80-160B	5	28.4	2900	5.68	7.5	68	3.5	600x280x360	100	80	61
	83	24		6.5		76.5	4				
	100	19		7		73	4.5				
QI100-80J-160B	24.5	6.8	1450	0.69	1.1	66	2	600x280x360	100	80	61
	41	5.3		0.81		73.5	2.5				
	49	4.5		0.87		69	3.5				
QI100-65-200	60	54	2900	13.6	22	65	3	600x320x405	100	65	74
	100	50		17.9		76	3.6				
	120	47		19.9		77	4.8				
QI100-65J-200	30	13.5	1450	1.84	4	60	2	600x320x405	100	65	74
	50	12.5		2.33		73	2				
	60	11.8		2.61		74	2.5				
QI100-65-200A	56.1	47.6	2900	11.17	18.5	65	3	600x320x405	100	65	73
	93.5	44		14.48		75.5	3.6				
	112	41.4		16.47		77	4.8				
QI100-65J-200A	28	11.9	1450	1.51	3	60	2	600x320x405	100	65	73
	46.8	11		1.93		72.5	2				
	56	10.4		2.16		73.5	2.5				
QI100-65-200B	52	41	2900	8.9	15	65	3	600x320x405	100	65	72
	86.6	38		12.1		74	3.6				
	104	35.7		13.4		75.5	4.8				
QI100-65J-200B	26	10.3	1450	1.21	2.2	60	2	600x320x405	100	65	72
	43.3	9.5		1.56		72	2				
	52	9		1.74		73.2	2.5				
QI100-65-250	60	87	2900	23.4	37	61	3.5	625x360x450	100	65	87
	100	80		30.3		72	3.8				
	120	74.5		33.4		73	4.8				
QI100-65J-250	30	21.3	1450	3.16	5.5	55	2	625x360x450	100	65	87
	50	20		4		68	2				
	60	19		4.44		70	2.5				
QI100-65-250A	56.1	76	2900	19.35	30	60	3.5	625x360x450	100	65	86
	93.5	70		25.5		70	3.8				
	112	65		28.12		70.5	4.8				
QI100-65J-250A	28	18.6	1450	2.68	4	53	2	625x360x450	100	65	86
	46	17.5		3.35		65.5	2				
	55	16		3.55		67.5	2.5				

型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配套 功率 Motor power	效率 Eff.	必需汽 蚀余量 (NPSH)r	泵外形尺寸 (长 X 宽 X 高) Overall Dimensions L*W*H	进口 Inlet Dia.	出口 Outlet Dia.	重量 Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI100-65-250B	47.5	65.3	2900	15.36	22	55	3.5	625x360x450	100	65	85
	79	60		19.55		66	3.8				
	95	54		20.85		67	4.8				
QI100-65J-250B	24.5	16	1450	2.09	3	51	2	625x360x450	100	65	85
	41	15		2.68		62.5	2				
	49	13.5		2.79		64.5	2.5				
QI100-65-315	60	133	2900	39.6	75	55	3	655x400x505	100	65	104
	100	125		51.6		66	3.6				
	120	118		57.5		67	4.2				
QI100-65J-315	30	34	1450	5.44	11	51	2	655x400x505	100	65	104
	50	32		6.92		63	2				
	60	30		7.67		64	2.5				
QI100-65-315A	56	116	2900	32.2	55	55	3	655x400x505	100	65	102
	94	109		42.6		65.5	3.6				
	112	103		47.2		66.5	4.2				
QI100-65J-315A	28	29.7	1450	4.4	7.5	51	2	655x400x505	100	65	102
	47	27.9		5.66		63	2				
	56	26		6.24		63.5	2.5				
QI100-65-315B	52.4	102	2900	26.5	45	55	3	655x400x505	100	65	100
	87.4	95.7		35		65	3.6				
	105	90.3		39.4		65.5	4.2				
QI100-65J-315B	26.2	26	1450	3.6	7.5	51	2	655x400x505	100	65	100
	23.7	24.5		4.6		62.8	2				
	52.5	23		5.3		62.5	2.5				
QI100-65-315C	48.6	87.3	2900	21	37	55	3	655x400x505	100	65	98
	81	82		28.3		64	3.6				
	97.2	77		31.6		64.5	4.2				
QI100-65J-315C	24.3	22.3	1450	2.9	5.5	51	2	655x400x505	100	65	98
	40.5	21		3.7		62	2				
	48.6	20		4.3		62	2.5				
QI125-100-200	120	57.5	2900	28	45	67	4.5	625x360x480	125	100	128
	200	50		33.6		81	4.5				
	240	44.5		36.4		80	5				
QI125-100J-200	60	14.5	1450	3.63	7.5	52	2.5	625x360x480	125	100	128
	100	12.5		4.48		76	2.5				
	120	11		4.79		75	3				
QI125-10-200A	112.5	50.5	2900	24	37	65	4.5	625x360x480	125	100	126
	187	44		28.4		79	4.5				
	225	39		31		77.5	5				

型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配套 功率 Motor power	效率 Eff.	必需汽 蚀余量 (NPSH)r	泵外形尺寸 (长 X 宽 X 高) Overall Dimensions L*W*H	进口 Inlet Dia.	出口 Outlet Dia.	重量 Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI125-100J-200A	56	12.7		3.2		61	2.5				
	93.5	11	1450	3.8	5.5	64	2.5	625x360x480	125	100	126
	112.5	9.7		4		73.5	3				
QI125-100-200B	95	42		17.38		62.5	4.5				
	158	35	2900	19.94	22	75.5	4.5	625x360x480	125	100	125
	190	30.5		20.9		75.5	5				
QI125-100J-200B	52	11		2.6		59	2.5				
	86.5	9.5	1450	3.2	4	71	2.5	625x360x480	125	100	125
	104.7	8.4		3.5		69	3				
QI125-100-250	120	87		43		66	3.8				
	200	80	2900	55.9	75	78	4.2	670x400x505	125	100	144
	240	72		62.8		75	5				
QI125-100J-250	60	21.5		5.59		63	2.5				
	100	20	1450	7.17	11	76	2.5	670x400x505	125	100	144
	120	18.5		7.85		77	3				
QI125-100-250A	112	76		35		66	3.8				
	187	70	2900	45.7	55	78	4.2	670x400x505	125	100	142
	220	63		51.35		73.5	5				
QI125-100J-250A	56	18.8		4.6		63	2.5				
	93.5	17.5	1450	5.9	7.5	76	2.5	670x400x505	125	100	142
	112	16.2		6.4		77	3				
QI125-100-250B	104	65.3		28		68	3.8				
	173	60	2900	36.2	45	78	4.2	670x400x505	125	100	140
	206	54		41.5		73	5				
QI125-100J-250B	52	16		3.6		63	2.5				
	86.5	15	1450	4.7	5.5	75.5	2.5	670x400x505	125	100	140
	104	13.5		5		76.5	3				
QI125-100-315	120	132.5		72.1		60	4				
	200	125	2900	90.8	110	75	4.5	670x400x565	125	100	189
	240	120		102		77	5				
QI125-100J-315	60	33.5		9.4		58	2.5				
	100	32	1450	11.9	15	73	2.5	670x400x565	125	100	189
	120	30.5		13.5		74	3				
QI125-100-315A	114	121		63		59.5	4				
	191	114	2900	80.7	110	73.5	4.5	670x400x565	125	100	187
	229	109		90		75.5	5				
QI125-100J-315A	57	30.5		8.4		56.5	2.5				
	95.5	28.5	1450	10.3	15	72	2.5	670x400x565	125	100	187
	114	27.8		11.9		72.5	3				

型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配套 功率 Motor power	效率 Eff.	必需汽 蚀余量 (NPSH)r	泵外形尺寸 (长 X 宽 X 高) Overall Dimensions L*W*H	进口 Inlet Dia.	出口 Outlet Dia.	重量 Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI125-100-315B	108	109.8	2900	55.2	90	58.5	4	670x400x565	125	100	185
	181.6	103		71.2		71.5	4.5				
	218	99		78.3		75	5				
QI125-100J-315B	54	27.6	1450	7.4	11	54.5	2.5	670x400x565	125	100	185
	90	25.8		9.03		70	2.5				
	107	24.5		10.06		70	3				
QI125-100-315C	103	98	2900	47.4	75	58	4	670x400x565	125	100	184
	171.6	92		60.6		71	4.5				
	206	88		67.7		73	5				
QI125-100J-315C	51.4	24.7	1450	6.4	11	54	2.5	670x400x565	125	100	184
	85.8	23		7.7		69.5	2.5				
	103	22.5		8.95		70.5	3				
QI125-100-400	60	52	1450	16.1	30	53	2.5	670x500x635	125	100	222
	100	50		21		65	2.5				
	120	48.5		23.6		67	3				
QI125-100-400A	56.3	45.7	1450	13.2	22	53	2.5	670x500x635	125	100	220
	93.5	44		17.2		65	2.5				
	112.5	42.7		19.6		66.8	3				
QI125-100-400B	52	39.5	1450	10.6	18.5	53	2.5	670x500x635	125	100	218
	86.5	38		13.9		64.5	2.5				
	104	37		15.76		66.5	3				
QI150-125-250	120	22.5	1450	10.7	18.5	71	3	670x400x605	150	125	164
	200	20		13.5		81	3				
	240	17.5		14.66		78	3.5				
QI150-125-250A	112	19.7	1450	8.8	15	68.5	3	670x400x605	150	125	162
	187	17.5		11.6		77	3				
	224.7	15.3		12.5		75	3.5				
QI150-125-250B	104	16.9	1450	7.4	11	64.5	3	670x400x605	150	125	160
	173	15		9.4		75	3				
	206	13		10.27		71	3.5				
QI150-125-315	120	34	1450	15.9	30	70	2.5	670x500x635	150	125	184
	200	32		22.1		79	2.5				
	240	29		23.7		80	3				
QI150-125-315A	112	29.7	1450	13	22	69	2.5	670x500x635	150	125	182
	187	28		18.2		78.5	2.5				
	224	25.3		19.5		79	3				
QI150-125-315B	104	25.5	1450	10.5	18.5	68	2.5	670x500x635	150	125	180
	173	24		14.6		77.5	2.5				
	208	21.7		15.76		78	3				

型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配套 功率 Motor power	效率 Eff.	必需汽 蚀余量 (NPSH)r	泵外形尺寸 (长 X 宽 X 高) Overall Dimensions L*W*H	进口 Inlet Dia.	出口 Outlet Dia.	重量 Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI150-125-400	120	53	1450	27.9	45	62	2	670x500x715	150	125	204
	200	50		36.3		75	2.8				
	240	46		40.6		74	3.5				
QI150-125-400A	112	46.6	1450	23	37	62	2	670x500x715	150	125	202
	187	44		30.1		74.5	2.8				
	225	40.4		33.9		73	3.5				
QI150-125-400B	104	40.3	1450	18.5	30	62	2	670x500x715	150	125	200
	173	38		24.19		74	2.8				
	208	35		27.35		72.5	3.5				
QI200-150-250	240	22.5	1450	21.1	37	70	3	690x500x655	200	150	164
	400	20		26.1		82	3.5				
	460	17.5		27.75		79	4				
QI200-150-250A	225	19.7	1450	18	30	67	3	690x500x655	200	150	163
	374	17.5		22.3		80	3.5				
	430	15.3		23		78	4				
QI200-150-250B	209	16.9	1450	14.7	22	65.5	3	690x500x655	200	150	162
	346	15		18.2		77.5	3.5				
	400	13.1		18.5		77	4				
QI200-150-315	240	37	1450	34.6	55	70	3	830x550x715	200	150	195
	400	32		32.5		82	3.5				
	460	28.5		44.6		80	4				
QI200-150-315A	225	32.5	1450	28.9	45	69	3	830x550x715	200	150	193
	374	28		35.4		80.5	3.5				
	430	25		37.3		78.5	4				
QI200-150-315B	209	28	1450	23.3	37	68	3	830x550x715	200	150	191
	346	24		29		78	3.8				
	400	21.4		30.3		77	4.5				
QI200-150-400	240	55	1450	48.6	90	74	3	830x550x765	200	150	220
	400	50		67.2		81	3.8				
	460	45		74.2		76	4.5				
QI200-150-400A	225	48.4	1450	40.6	75	73	3	830x550x765	200	150	218
	374	44		56		80	3.8				
	430	39.6		62.7		74	4.5				
QI200-150-400B	209	41.8	1450	33	55	72	3	830x550x765	200	150	216
	346	38		45.3		79	3.8				
	400	34		51.44		72	4.5				
QI200-150-400C	194	34	1450	25.8	45	69.5	3	830x550x765	200	150	214
	324	3.08		35.6		76.3	3.8				
	372	27.8		39.3		71.4	4.5				

型号 Type	流量 Capacity Q	扬程 Head H	转速 Speed n	轴功率 Shaft power Pa	配套 功率 Motor power	效率 Eff.	必需汽 蚀余量 (NPSH)r	泵外形尺寸 (长 X 宽 X 高) Overall Dimensions L*W*H	进口 Inlet Dia.	出口 Outlet Dia.	重量 Weight
	m ³ /h	m	r/min	kW	kW	%	m	mm	mm	mm	kg
QI250-200-315	380	35.5	1480	51.72	90	71	5.5		250	200	1280
	630	32		64.95		84.5					
	760	29		71.43		84					
QI250-200-315A	360	31.6	1480	44.56	75	69.5	5.4		250	200	1165
	590	28.5		55.15		83					
	720	25.8		61.29		82.5					
QI250-200-315B	340	27.7	1480	37.43	75	68.5	5.3		250	200	1164
	560	25		46.48		82					
	670	22.6		50.58		81.5					
QI250-200-400	380	52	1480	75.76	132	71	5.5		250	200	
	630	50		101.48		84.5					
	760	46.7		117.11		82.5					
QI250-200-400A	360	46.8	1480	65.99	110	69.5	5.4		250	200	
	600	45		88.55		83					
	720	42		101.63		81					
QI250-200-400B	340	41.6	1480	56.21	110	68.5	5.3		250	200	
	560	40		74.36		82					
	680	37.4		86.54		80					
QI250-200-400C	320	36.4	1480	46.98	90	67.5	5.1		250	200	
	530	35		62.34		81					
	640	32.7		72.11		79					
QI300-250-315	600	38	1480	86.2	132	72	7.5		300	250	1845
	1000	32		101.29		86					
	1200	28		107.6		85					
QI300-250-315A	570	33.8	1480	74.39	110	70.5	7.3		300	250	1720
	940	28.5		86.82		84					
	1130	24.8		91.36		83.5					
QI300-250-315B	530	29.7	1480	61.66	90	69.5	7.1		300	250	1400
	880	25		72.16		83					
	1060	21.9		76.6		82.5					

QI 型泵外形尺寸图 Overall and Dimensions Figure

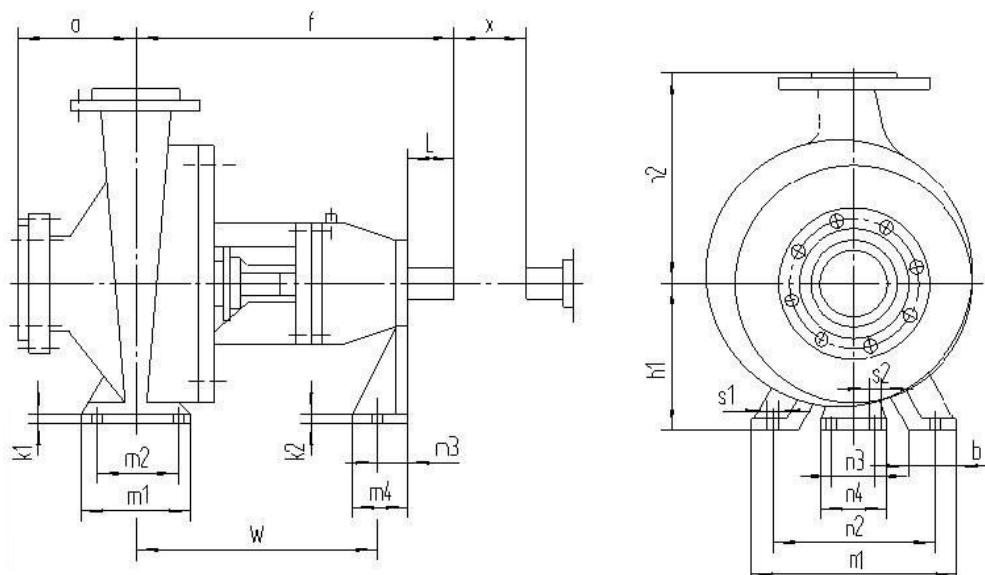


Figure 3

QI 型泵外形尺寸表 Overall Dimensions of QI Pump

表 2 Chart 2

产品型号 Type of Pump	泵 Pump				泵脚座 Pump Feet												w	螺栓孔 Bolt holes		轴端 Shaft End		间隙 Space
	a	f	h ₁	h ₂	b	m ₁	m ₂	m ₃	m ₄	n ₁	n ₂	n ₃	n ₄	k ₁	k ₂	s ₁		s ₂	d	L	x	
QI50-32-125	80	385	112	140	50	100	70	19	60	190	140	110	145	14	10	285	4-Φ 14.5	2-Φ 14.5	24	50	100	
QI50-32-160			132	160						240	190			16								
QI50-32-200			160	180																		
QI50-32-250	100	500	180	225	65	125	95	25	65	320	250	110	145	20	14	370			32	80	100	
QI65-50-125	80	385	112	140	50	100	70	19	60	210	160	110	145	14	10	285	4-Φ 14.5	2-Φ 14.5	24	50	100	
QI65-50-160			132	160						240	190			16								
QI65-40-200			100	160						180												

产品型号 Type of Pump	泵 Pump				泵脚座 Pump Feet												w	螺栓孔 Bolt holes		轴端 Shaft End		间隙 Space											
	a	f	h ₁	h ₂	b	m ₁	m ₂	m ₃	m ₄	n ₁	n ₂	n ₃	n ₄	k ₁	k ₂	s ₁		s ₂	d	L	x												
QI65-40-250	100	500	180	225	65	125	95	25	65	320	250	110	145	20	14	370	4-Φ 14.5	2-Φ 14.5	32	80	100												
QI65-40-315	125		200	250						345	280																						
QI80-65-125	100	385	132	160	50	100	70	19	60	240	190	110	145	16	10	285																	
QI80-65-160				180																											24	50	100
QI80-50-200				160						200														265	212								
QI80-50-250	125	500	180	225	65	125	95	25	65	320	250	110	145	20	10	285	4-Φ 14.5	2-Φ 14.5	24	50	100												
QI80-50-315				225						280	345				280				14	370										32	80	100	
QI100-80-125	100	385		180	65	125	95	19	60	280	212	110	145	16	10	285	4-Φ 14.5	2-Φ 14.5	24	50	100												
QI100-80-160			160	200												24																32	80
QI100-65-200	100	500	180	225	65	125	95	25	65	320	250	110	145	20	14	370	4-Φ 14.5	2-Φ 14.5	32	80	140												
QI100-65-250			200	250	80	160	120			28	400						315				110	140	20	14	370								
QI100-65-315	125		530	225															280														
QI125-100-200	125	500	200	280	80	160	120	25	65			360	280	110	140	20		14	370	4-Φ 18.5						2-Φ 14.5	32	80	140				
QI125-100-250	140	530	225	280								400	315																				
QI125-100-315			250	315						400	315																						
QI125-100-400								280	355	100	200	150	28	65	500	400	110	145	25			4-Φ 24											

产品型号 Type of Pump	泵 Pump				泵脚座 Pump Feet											w	螺栓孔 Bolt holes		轴端 Shaft End		间隙 Space
	a	f	h ₁	h ₂	b	m ₁	m ₂	m ₃	m ₄	n ₁	n ₂	n ₃	n ₄	k ₁	k ₂		s ₁	s ₂	d	L	x
QI150-125-250	140	530	250	355	80	160	120	28	65	400	315	110	145	25	14	370	4-Φ18.5	2-Φ14.5	42	110	140
QI150-125-315			280	355	100	200	150			500	400						4-Φ24	2-Φ14.5	42	110	140
QI150-125-400	140	530	315	400	100	200	150	28	65	500	400	110	145	25	14	370	4-Φ24	2-Φ18.5	42	110	140
QI200-150-250	160		280	375	100	200	150	28	65	500	400	110	145	25	14	370			42	110	180
QI200-150-315		670	315	400				38	80	550	450	140	200	30	30	500			48		
QI200-150-400				450																	

QI 型泵外形安装图 Overall and Installation Figure

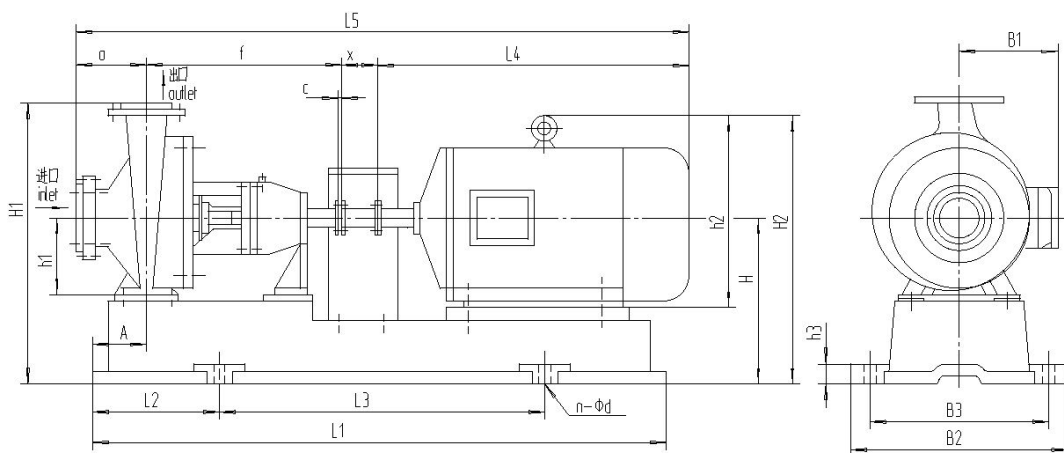


Figure 4

QI 型泵外形安装尺 Overall and installation Dimensions

表 3 Chart 3

泵型号 Pump	电机机座号/ 功率(Kw) Frame size/Power	外形安装尺寸 Overall and installation Dimensions																			
		A	L ₁	L ₂	L ₃	L ₄	a	f	x	c	L ₅	B ₁	B ₂	B ₃	h ₁	h ₂	h ₃	H	H ₁	H ₂	n- φ d
QI50-32-125	Y80-4/0.55	80	820	150	540	285	80	385	100	3	850	150	360	320	112	170	25	237	377	327	4- φ 18.5

泵型号 Pump	电机机座号/ 功率(Kw) Frame size/Power	外形安装尺寸 Overall and installation Dimensions																														
		A	L ₁	L ₂	L ₃	L ₄	a	f	x	c	L ₅	B ₁	B ₂	B ₃	h ₁	h ₂	h ₃	H	H ₁	H ₂	n-φ d											
	Y80-2/1.1																															
QI50-32-160	Y80-4/0.55	80	820	150	540	285	80	385	100	3	850	150	360	320	132	170	25	257	417	347	4-φ 18.5											
	310					875					155	190				357																
	Y90S-2/1.5		920	170	600	335					900	390	350	245		402																
	Y100L-2/2.2					380					945			180																		
QI50-32-200	Y80-4/0.55	80	820	150	540	285	80	385	100	3	850	150	360	320	160	170	25	285	465	375	4-φ 18.5											
	380					945					180	390				350				245		430										
	Y80-4/0.75		920	170	600	400					965	190	265	438																		
	Y112M-2/4					475					1040	210	450	400		315				30		498	4-φ 24									
	Y132S-2/5.5																															
QI50-32-250	Y90S-4/1.1	95	1012	190	660	310	100	500	100	3	1010	155	450	400	180	190	30	305	530	405	4-φ 24											
	335					1035																										
	Y90L-4/1.5		1160	210	740	475					1175	210	490	440		315				320		545	503									
	Y132S-2/7.5					600					1300	255	540	490		385				340		565	565									
QI65-50-125	Y80-4/0.55	80	820	150	540	285	80	385	100	3	850	150	360	320	112	170	25	237	377	327	4-φ 18.5											
	310					875					155	190				337																
	Y90S-2/1.5		920	170	600	335					900	390	350	245		382																
	Y90L-2/2.2					380					945			180																		
QI65-50-160	Y80-4/0.55	80	820	150	540	285	80	385	100	3	850	150	360	320	132	170	25	257	417	347	4-φ 18.5											
	310					875					155	190				357																
	Y90S-2/1.5		920	170	600	335					900	390	350	245		402																
	Y100L-2/3					380					945			180																		
	Y112M-2/4					400					965			190		265	410															
QI65-40-200	Y80-4/0.55	80	920	170	600	285	100	385	100	3	870	150	390	350	160	170	25	285	465	375	4-φ 18.5											
	310					895					155	190				385				4-φ 18.5												
	Y90S-4/1.1					400					985	190				265					438											
	Y112M-2/4		1020	190	660	475					1060	210	450	400		315	30			468	4-φ 24											
	Y132S-2/5.5																															
Y132S-2/7.5																																

泵型号 Pump	电机机座号/ 功率(Kw) Frame size/Power	外形安装尺寸 Overall and installation Dimensions																											
		A	L ₁	L ₂	L ₃	L ₄	a	f	x	c	L ₅	B ₁	B ₂	B ₃	h ₁	h ₂	h ₃	H	H ₁	H ₂	n-φ d								
QI65-40-250	Y90S-4/1.1	95	1020	190	660	310	100	500	100	3	1010	155	450	400	180	190	30	305	530	405	4-φ 24								
	335					1035					245					450													
	330					1080					180					315				503									
	Y132S-2/7.5		1160	210	740	475					1175	210	490	440		385		320	545	503									
	Y160M-2/11		1290	225	840	600					1300	255	540	490		385		340	565	565									
	Y160M-2/15																												
QI65-40-315	Y100L-4/3	95	1140	210	740	380	125	500	100	3	1105	180	490	440	200	245	30	340	590	485	4-φ 24								
	400					1125					190	265				493													
	Y160L-2/18.5		1290	225	840	645				4	1370	255	540	490		385		40	360	610		585							
	670					1395					285	430				610													
	Y200L-2/30		1420	250	940	775					1500	310	610	550		475			380	630	655	4-φ 28							
QI80-65-125	Y80-4/0.55	80	820	150	540	285	100	385	100	3	870	150	360	320	132	170	25	257	417	347	4-φ 18.5								
	Y80-4/0.75					380																							
	Y100L-2/3		920	170	600	400																1060	210	450	400	160	315	30	468
	Y112M-2/4					475																							
	Y132S-2/5.5		1020	190	660	475																							
QI80-65-160	Y80-4/0.75	80	920	170	600	285	110	385	100	3	870	150	390	350	160	170	25	285	495	375	4-φ 18.5								
	Y90S-4/1.1					310					895	155				190				265									
	Y90L-4/1.5					335					920											438							
	Y112M-2/4		1020	190	660	400					1060	210	450	400		315		30	468	4-φ 24									
	Y132S-2/5.5					475																							
	Y132S-2/7.5																												
QI80-50-200	Y90S-4/1.1	80	920	170	600	310	100	385	100	3	895	155	390	350	160	190	25	285	485	385	4-φ 18.5								
	335					920					245					25				285		430							
	480					965																	180	390	350				
	Y132S-2/7.5		1020	190	660	475					1060	210	450	400		315	30	300	500	468	4-φ 24								
	Y160M-2/11		1140	210	740	600					1185	255	490	440		385				525									
	Y160M-2/15																												

泵型号 Pump	电机机座号/ 功率(Kw) Frame size/Power	外形安装尺寸 Overall and installation Dimensions																									
		A	L ₁	L ₂	L ₃	L ₄	a	f	x	c	L ₅	B ₁	B ₂	B ₃	h ₁	h ₂	h ₃	H	H ₁	H ₂	n-φ d						
QI80-50-250	Y90L-4/2.2	95	1020	190	660	335	125	500	100	3	1060	155	450	400	180	190	30	305	530	405	4-φ 24						
	380					1105					180	245				450											
	Y100L-4/3		1290	225	840	600				4	1325	255	540	490		385		340	565	565							
	645					1370					430					590											
	Y160M-2/15					670					1395	285															
Y160L-2/18.5																											
Y180M-2/22																											
QI80-50-315	Y112M-4/4	95	1140	210	740	400	125	500	100	3	1125	190	490	440	225	265	30	365	645	518	4-φ 24						
	1160		475			1200					210	315				548											
	Y132S-4/5.5		1290	225	840	675				4	1395	285	540	490		430		385	665	635							
	Y200L-2/30		1420	250	940	775					1500	310	610	550		475	40	405	685	680	4-φ 28						
	Y200L-2/37																										
QI100-80-125	Y80-4/0.75	95	920	170	600	285	100	385	100	3	870	150	390	350	160	170	25	285	465	375	4-φ 18.5						
	310					895					155	190				385											
	335					920						315				30				468	4-φ 24						
	Y132S-2/7.5		1020	190	660	475					1060	210	450	400		385	300			480		525					
	Y160M-2/11		1140	210	740	600					1185	255	490	440													
QI100-80-160	Y90L-4/1.5	95	1020	190	660	335	100	500	100	3	1035	155	450	400	160	190	30	285	485	385	4-φ 24						
	380					1080					180	245				430											
	Y100L-4/22		1290	225	840	600					1300	255	540	490		385		320	520	545							
	Y160M-2/11																										
Y160M-2/15																											
QI100-65-200	Y90L-2/2.2	95	1020	190	660	335	100	500	140	3	1075	155	450	400	180	190	30	305	530	405	4-φ 24						
	1140		210	740	380	1120					180	490	440			245				465							
					400	1140					190					265				473							
	Y160M-2/15		1290	225	840	600				4	1340	255	540	490		385		340	565	565							
	645					1385					430					590											
	Y160L-2/18.5					670										1410				285							
Y180M-2/22																											
QI100-65-250	Y100L-4/3	110	1140	210	740	380	125	500	140	3	1145	180	490	440	200	245	30	340	590	485	4-φ 24						
	400					1165					190	265				493											
	Y112M-4/4		1160			475				4	1240	210	540	490		315		360	610	523							
	Y132S-4/5.5		1290	225	840	670					1435	285	610	550		430				610							
Y180M-2/22																											

泵型号 Pump	电机机座号/ 功率(Kw) Frame size/Power	外形安装尺寸 Overall and installation Dimensions																								
		A	L ₁	L ₂	L ₃	L ₄	a	f	x	c	L ₅	B ₁	B ₂	B ₃	h ₁	h ₂	h ₃	H	H ₁	H ₂	n-φ d					
	Y200L-2/30		1720	250	940	775					1540	310				475	40			655	4-φ 28					
	Y200L-2/37																									
QI125-100-200	Y112M-4/4	110	1140	210	740	400	125	500	140	3	1165	190	490	440	200	265	30	340	620	493	4-φ 24					
	Y132S-4/5.5		1160			475					1240	210				315				523						
	Y132M-4/7.5					515					1280					430		360	640	610	4-φ 28					
	Y180M-2/22		1290	225	840	670					1435	285	540	490												
	Y200L-2/30		1420	250	940	775					1540	310	610	550		475	40	380	660	655						
QI125-100-200	Y200L-2/37	110	1420	250	940	775	125	500	140	3	1540	310	610	550	200	475	40	380	660	655	4-φ 28					
	Y225M-2/45				815	1580					345	530				685										
QI125-100-250	Y132S-4/5.5	110	1270	225	840	475	140	530	140	3	1285	210	540	490	225	315	30	385	665	568	4-φ 24					
	Y132M-4/7.5					515					1325					385										
	Y160M-4/11					600					1410	255								610		610				
	Y200L-2/37		1420	250	940	775				4	1585	310	610	550		475	40	405	635	680	4-φ 28					
	Y225M-2/45		1620	290	1060	815					1625	345	660	600		530				730						
	Y250M-2/55					930					1740	385				575				750						
	Y280S-2/75		1820	320	1200	1000					1810	410	730	670		640				785						
QI125-100-315	Y160M-4/11	110	1270	225	840	600	140	530	140	4	1410	225	540	490	250	385	30	410	725	635	4-φ 28					
	Y160L-4/15		1420	250	940	645					1455		610	550		640	40	430	745	655						
	Y280S -2/75		1820	320	1200	1000					1810	410	730	670						810						
	Y280M-2/90					1050					1860									895						
	Y315S-2/110					1190					2000	460	300	740		760										
QI150-125-250	Y160M-4/11	110	1280	225	840	600	140	530	140	4	1410	255	540	490	250	385	30	410	765	635	4-φ 28					
	Y160L-4/15		1420	250	940	645					1455		610	550		430	40	430	785	655						
	Y180M-4/18.5					670					1480	285								680						

泵型号 Pump	电机机座号/ 功率(Kw) Frame size/Power	外形安装尺寸 Overall and installation Dimensions																			
		A	L ₁	L ₂	L ₃	L ₄	a	f	x	c	L ₅	B ₁	B ₂	B ₃	h ₁	h ₂	h ₃	H	H ₁	H ₂	n-φd
QI150-125-315	Y180M-4/18.5	130	1620	290	1060	670	140	530	140	4	1480	285	660	600	280	430	40	485	835	730	4-φ28
	Y180L-4/22	0				710					1520										
	Y200L-4/30					775					1685	310				475				755	
QI150-125-400	Y200L-4/30	130	1620	290	1060	775	140	530	140	4	1585	310	660	600	315	475	40	515	915	790	4-φ28
	Y225S-4/37	0				820					1630	345				530				820	
	Y225M-4/45					845					1655	285									
QI200-150-250	Y180L-4/22	130	1620	290	1060	710	160	530	180	4	1580	310	660	600	280	430	40	480	855	730	4-φ28
	Y200L-4/30	0				775					1645	345				475				755	
	Y225S4/37					820					1690					530				785	
QI200-150-315	Y200L-4/30	130	1820	320	1200	775	160	670	180	4	1785	310	730	670	315	475	40	515	915	790	4-φ28
	Y225S-4/37	0				820					1830	345				530				820	
	Y225M-4/45					845					1855										
	Y250M-4/55					930					1940	385				575				840	
QI200-150-400	Y225M-4/45	130	1820	320	1200	845	160	670	180	4	1855	345	730	670	315	530	40	515	965	820	4-φ28
	Y250M-4/55	0				930					1940	385				575				840	
	Y280S-4/75					1000					2010	410				640				875	
	Y280M-4/90		1840			1050					2060										

QI 型泵法兰尺寸图 Dimensions of Suction and Delivery Flange Figure for Type QI Pump

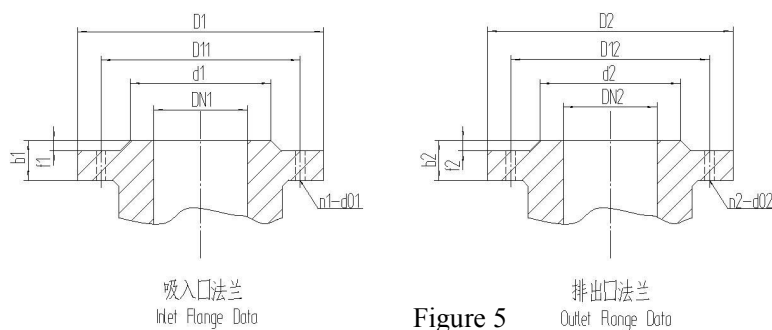


表 4 Chart 4

泵型号 Pump	吸入口法兰尺寸 Dimensions of Suction Flange							排出口法兰尺寸 Dimensions of Delivery Flange						
	DN ₁	D ₁	D ₁₁	d ₁	b ₁	f ₁	n-d ₀₁	DN ₂	D ₂	D ₁₂	d ₂	b ₂	f ₂	n-d ₀₂
QI50-32-125	50	165	125	102	20	3	4-φ17.5	32	140	100	78	18	3	4-φ17.5
QI50-32-160														
QI50-32-200														
QI50-32-250														
QI65-50-125	65	185	145	122	20	3	4-φ17.5	50	165	125	102	20	3	4-φ17.5
QI65-50-160														
QI65-40-200	65	185	145	122	20	3	4-φ17.5	40	150	110	88	18	3	4-φ17.5
QI65-40-250														
QI65-40-315o														
QI80-65-125	80	200	160	133	22	3	8-φ17.5	65	185	145	122	20	3	4-φ17.5
QI80-65-160														
QI80-50-200	80	200	160	133	22	3	8-φ17.5	50	165	125	102	20	3	4-φ17.5
QI80-50-250														
QI80-50-315														
QI100-80-125	100	220	180	158	24	3	8-φ17.5	80	200	160	133	22	3	8-φ17.5
QI100-80-160														
QI100-65-200	100	220	180	158	24	3	8-φ17.5	65	185	145	122	20	3	4-φ17.5
QI100-65-250														
QI100-65-315														
QI125-100-200	125	250	210	184	26	3	8-φ17.5	100	220	180	158	24	3	8-φ17.5
QI125-100-250														
QI125-100-315														
QI125-100-400														
QI150-125-250	150	285	240	212	28	3	8-φ22	125	250	210	184	26	3	8-φ17.5
QI150-125-315														
QI150-125-400														
QI200-150-250	200	340	295	268	30	3	8-φ22	150	285	240	212	28	3	8-φ22
QI200-150-315														
QI200-150-400														

表 5 Chart 5

管径 Pipe Diameter (mm)	流量 Flow (L/s)																									
	1	2	4	6	8	10	直管摩擦损失简表（供估计用）管 100m 直管 The amount of friction loss in 100m straight pipe from the table (by estimate) is based on material in the new cast iron pipe.																			
25	32.7	13.0																								
38	3.5	14.0	55				15	20	损失米数以新铸铁管位标准旧管加倍																	
50	0.3	3.1	13	29					25	30	Two times value for the old cast iron pipe.															
65		0.8	3.2	7.1	13	20					40	50														
75		0.4	1.6	3.3	5.9	9.6	21.6						60	70												
100			0.4	0.8	1.3	2.1	6.8	8.6	13	19.4					80	90										
125				0.23	0.4	0.63	1.3	2.7	4.1	5.9	10.7						100	110								
150					0.16	0.26	0.58	1.1	1.6	2.3	4.2	6.4	9.4						120	130						
175						0.11	0.27	0.5	0.74	1.05	1.9	2.9	4.3	5.8	7.7	9.6					140	160				
200							0.13	0.26	0.37	0.53	0.92	1.5	2.1	2.9	3.7	4.7	6.1	7.2	8.5				180	200		
250								0.07	0.12	0.18	0.30	0.48	0.68	0.93	1.2	1.5	1.9	2.3	2.8	3.0	3.7	4.9	0.2			
300										0.07	0.12	0.19	0.27	0.37	0.49	0.61	0.76	0.9	1.1	1.3	1.5	2.0	2.4	3.0		

阀及弯管折合直管长度（每个）/ Valve and Elbow in Terms of Equivalent Length of Straight Pipe(each)

种类/Items	折合管路直径倍数/ Equivalent to a multiple of the diameter of the pipe	备注/Remarks
全开闸阀/Full open valve	13	未敞开加倍/Double for not full open
标准弯管/Standard elbow	25	
逆止阀/Check valve	100	
底阀/Foot valve	100	部分堵塞加倍/ Partial Clogging Doubled

注：例如 100 mm 直径管，底阀折合 100 倍直径等于 100×100=10000 mm=10m 直管长度，假定流量为 8L/s 查上表（表 5），直管每 100m 损失 1.3m，则 10m 损失 0.13m，即一个 100 mm 的底阀，流量为 8L/s 时则损失扬程 0.13m。

Note: For example in pipe of diameter 100 mm, foot valve terms equivalent length 100×100=10000 mm=10m of straight pipe of 100 times diameter. As summing flow is in 8L/s, from the above table(chart 5), the loss 1.3m per 100m straight pipe and loss in 10m straight pipe is 0.13m. So head for a 100 mm foot valve are 0.13m with flow of 8L/s.

一定管路直径之最大流量限制 / Range of Maximum Floe for Nominal Pipe Diameter

管路直径 (mm) Pipe Diameter(mm)	最大流量 (L/s) Maximum Flow(L/s)	最大流速 (m/s) Maximum Velocity(m/s)	管路直径 (mm) Pipe Diameter(mm)	最大流量 (L/s) Maximum Flow(L/s)	最大流速 (m/s) Maximum Velocity(m/s)
25	1	2.04	125	30.0	2.44
38	2.5	1.69	150	43.0	2.44
50	4.17	2.12	175	60.0	2.49
65	6.67	2.01	200	83.3	2.69
75	10.0	2.26	250	133.3	2.72
100	18.4	2.38	300	192.0	2.71

装配和拆卸 / Assembling and Dismantling

泵在装配前应首先检查零件有无影响装配的缺陷，并擦洗干净，方可进行装配。

- 预先可将各处的连接螺栓、丝堵等分别拧紧在相应的零件上；
- 预先可将“O”形圈、纸垫、毛毡等分别放置在相应的零件上；
- 预先可将密封环和填料、填料环、填料压盖等依次装到泵盖内；
- 将滚动轴承装到轴上，然后装到悬架内，再合上压盖，压紧滚动轴承，并在轴上套上挡水圈。
- 将轴套装到轴上，再将泵盖装到悬架上，然后再将叶轮、止动垫圈、叶轮螺母等装上并拧紧，最后再将上述组件装到泵体内，并拧紧泵体、泵盖上的连接螺栓。

在上述装配过程中，一些小件如平键、挡油盘、挡水圈、轴套内 O 形密封圈等容易遗漏或装错顺序，应特别注意。

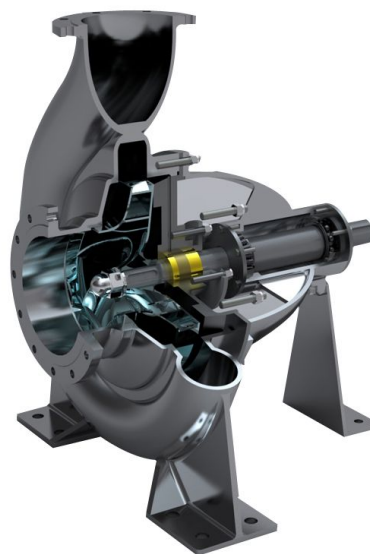
泵拆卸顺序基本上可按装配顺序反向进行。

First inspect whether there are some defects and clean well before installing.

- Tight connecting bolts and screwed plug to the corresponding parts in advance.
- Put “O” seal ring, paper gasket and felt less pad on the corresponding parts in advance.
- Fit wear ring, packing, water seal ring and gland in the casing cover in proper order.
- Put rolling bearing on the shaft and then carry it into the bracket to be covered with a gland. Press the rolling bearing and put the water thrower on the shaft.
- Put the shaft sleeve on the shaft and the casing cover on the bracket. Then place impeller, brake gasket and impeller nut and tighten them up. At last carry the above components into the casing and tight connecting bolts on the casing and the casing cover.

Specially take care of these parts for ease of omission or disorder of sequence such as flat key, oil baffle, water thrower, “O” seal ring in the shaft sleeve during the process of assembling.

Dismantle sequence is the opposite direction to the assembling sequence.



安装 Installation

泵安装的好坏对泵的运行和寿命有重要影响，所以安装和校正必须仔细进行。泵的外形安装尺寸分为 B 型和 F 型两种，B 型为标准型安装尺寸，F 型为满足用户特殊需要的非标准型安装尺寸，详见图 4 和表 3。

安装和校正

- 清除底座上的油腻和污垢，把底座放在地基上；
- 用水平仪检查底座的水平度，允许用楔铁找平；
- 用水泥浇灌底座和地脚螺栓孔眼；
- 水泥干固后应检查底座和地脚螺栓孔眼是否松动，合适后拧紧地脚螺栓，重新检查水平度；
- 清理底座的支持平面，水泵脚及电机脚的平面，并把泵和电机安装到底座上；
- 联轴器之间应保持一定的间隙，检查水泵和电机轴中心线是否一致，可用薄垫、片调整使其同心。测量联轴器的外圆上下、左右的差别不得超过 0.1 mm。两联轴器端面间隙一周上最大和最小的间隙差别不得超过 0.3 mm。

安装说明

- ◆ 泵的安装高度、管路的长度、直径、流速应符合计算，力求减少不必要的损失，可参考表五进行核算；
- ◆ 长距输送时应取较大管路，管路应有自己的支架，不允许管路的重量加在泵上，避免把泵损坏；
- ◆ 排出管路如装逆止阀，装在闸阀和泵排出管路之间。

Pump installing has an important influence on pump operating and service life, so installing and alignment must be done carefully. See Fig 4 and chart 3 for the overall dimensions of pump.

Assembling and Alignment

- Clean off oil stain and dirt on the soleplate and put the soleplate on the foundation.
- Level the soleplate by using a level-meter and adjust the level by iron shimming piece.
- Grout in the foundation and the bolts holes.
- When the grouting had been set, check looseness of the found action and the bolt holes and tighten the foundation bolts. Readjust the level.
- Clean the surfaces of support, pump foot and motor foot. The pump and motor are mounted on the soleplate.
- Keep the certain clearance between the couplings. Check the alignment of the centerline of the motor shaft to the pump shaft and adjust the alignment by a thin packing piece. The radial displacement at the coupling periphery is within 0.1 mm. The difference between maximum and minimum clearance at the periphery of the two coupling end faces is not more than 0.3 mm.

Erecting Instructions

- ◆ The installing height of the pump, length and diameter of the pipe and velocity should be required to meet calculation. Decrease unnecessary losses to a minimum and calculate for reference to chart 5.
- ◆ Select the large pipe diameter for long distance pumping. To avoid the damage to the pump, the pipes should have their supports and not allow the weight of the pipes to impose on the pump casing.
- ◆ The check valve should be fitted inside gate valve in the delivery pipe.

启动、停止与运转 Starting, Shutdown and Running

启动

- 应在机泵联接前确定电动机的旋转方向是否正确，泵的转向是否灵活；
- 关闭吐出管路上的闸阀；
- 向泵内灌满水，或用真空轴引水
- 接通电源，当泵达到正常转速后，在逐渐打开吐出管路上的闸阀，并调节到所需要的工况。在吐出管路上闸阀关闭的情况下，泵连续工作的时间不能超过 3 分钟。

停止

- 逐渐关吐出管路上的闸阀，切断电源；
- 如环境温度低于 0℃，应将泵内水放出，以免冻裂；
- 如长期停止使用，应将泵拆卸清洗上油，包装保管。

运转

- 在开车及运转过程中，必须注意观察仪表读数，轴承发热，填料漏水和发热及泵的振动和杂音等是否正常，如果发现异常情况，应即时处理；
- 轴承温度最高不大于 80℃，同时轴承温度不得高于周围温度 40℃；
- 填料正常，漏水应该是少量均匀的；
- 轴承油位应保持在正常位置上，不能过高或过低，过低时应及时补充润滑油；
- 如密封环与叶轮配合部位的间隙磨损过大，应更换新的密封环。

Starting

- Check that the motor rotates in the correct direction and that the pump rotates well before the motor is connected to the pump.
- Close the valve in the delivery pipe.
- Filled water in the pump or prime water by the vacuum pump.
- After power connection has been done and the pump has attained the normal speed, open the gate valve slowly in the delivery pipe and bring the pump gradually up to load required. The pump must not be allowed to run continuously for more than three minutes against a fully closed gate valve in the delivery pipe.

Shutdown Procedure

- Close the gate valve gradually in the delivery pipe and power cut.
- If the ambient temperature is below 0℃, water should be drained out of the pump to prevent frost crack.
- If the pump is to be stored for a long period, it should be dismantled, cleaned, oiled, packed and well preserved.

Running Checks

- Carefully check that all instruments and gauges, bearing overheating, the leakage from the gaskets, the packing overheating, excessive vibration and excessive noise level have been existing during the operational period. If the faults are found and they are to be eliminated immediately.
- The high temperature of the bearing does not exceed 80℃ and the temperature of the bearing must not be allowed to exceed 40℃ of the ambient temperature.
- There is a little and even leakage when packing is in good condition.
- Ensure that oil is maintained at its correct level, not too high or too low. Replenish with correct grade of lubricating oil at too low.
- If the clearance between the wear ring and the mating face of impeller neck is excessive, renew a wear ring.

故障原因及解决办法 Probable Fault and Their Remedy

Q ₁	水泵不吸水,压力表及真空表的指针在剧烈摆动	Pump loses liquid. Indicating needle of pressure gauge and vacuum meter jumps severely.
A	注入水泵的水不够,吸入管路水管或仪表漏气	Pump not fully primed. Air leaks in pipe line or gauge.
S	再往水泵内注水或拧紧堵塞漏气处	Stop pump. Re-prime and repair leak.
Q ₂	水泵不吸水,真空表表示高度真空	Pump loses liquid. Vacuum meter is at hard vacuum state.
A	底阀没有打开,或已淤塞,吸入管路阻力太大,泵安装高度太高	Foot valve not open or blocked. Resistance force too high. Suction line too high.
S	校正或更改底阀,清洗或更改吸入管路,减低吸水高度	Adjust or renew foot valve. Clear or renew suction pipe. Reduce height.
Q ₃	看压力表水泵出水处是有压力,然而水管仍不出水	Pressure exists at pressure gauge but no discharge from pipe.
A	出水管阻力太大,旋转方向不对,叶轮淤塞	Resistance force too high, impeller rotating in wrong direction. Impeller blocked.
S	检查或缩短水管及检查电机,取下水管接头,清洗叶轮	Check pipe and motor. Shorten pipe and clean impeller.
Q ₄	流量低于预计	Quantity underestimated.
A	水泵淤塞,口环磨损过多	Blockage in pump. Rings worn excessively.
S	清洗泵及管子,更换口环	Clean pump and pipe, Renew ring.
Q ₅	水泵耗费的功率过大	Excessive power consumption.
A	填料函压得太紧,填料函发热,因磨损叶轮坏了,水泵供水量增加	Stuffing boxes too tight. Stuffing boxes overheating. Pump delivering more than its rated quantity because of impeller damaged for wear.
S	拧紧填料函,或将填料取出来打方一些,更换叶轮,增加出水管路的阻力,来降低流量	Tight stuffing boxes or reassemble stuffing boxes as necessary. Renew impeller. Increase resistance force in discharge pipe to reduce capacity.
Q ₆	水泵内部声音反常,水泵不上水	Noise not good within pump. Loss of suction.
A	流量太大,吸水管内阻力太大,吸水高度过大,在吸水处有空气渗入,所输送的液体温度过高	Flow quantity too large. Resistance force too high in suction line. Height too high and air leak at inlet of suction pipe. Temperature too high.
S	增加出水管得阻力以减低流量,检查泵吸入管内阻力,检查底阀减少吸水高度.拧紧堵塞漏气处.降低液体温度	Increase resistance force in delivery pipe to reduce flow quantity. Check resistance force in suction pipe. Check foot valve. Reduce suction lift. Make good if any leaks. Reduce temperature of liquid.
Q ₇	轴承过热	Bearing overheating
A	没有油,水泵轴与电机轴不在一条中心线上	No oil. Pump and driving unit out of alignment.
S	注油,把轴中心校准	Fill with oil. Realign pump and driving unit.
Q ₈	水泵振动	Pump excessive vibration.
A	泵轴与电机轴不在一条中心线上或泵轴倾斜了	Pump and driving unit out of alignment. Pump shaft bent.
S	把水泵和电机的轴中心线对准	Realign pump and driving unit. Straighten shaft.

说明: Note Q: 问题 Question, A: 原因 Answer, S: 解决方案 Solution

配件 Spare Parts



联轴器 Coupling



不锈钢叶轮 Stainless steel impeller



泵体 Casing



铜叶轮 cooper impeller



轴 Shaft



铸铁叶轮 Cast Iron Impeller



密封环 Seal ring

