

单级单吸化工离心泵

产品概述 Product Introduction

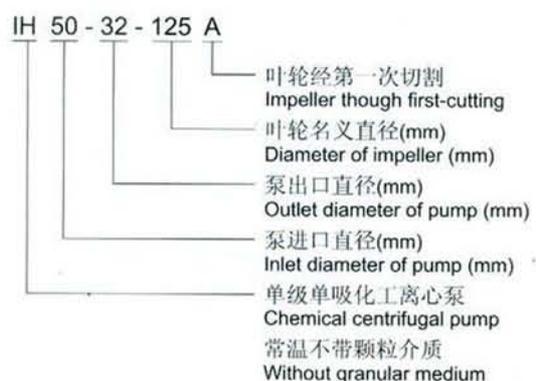
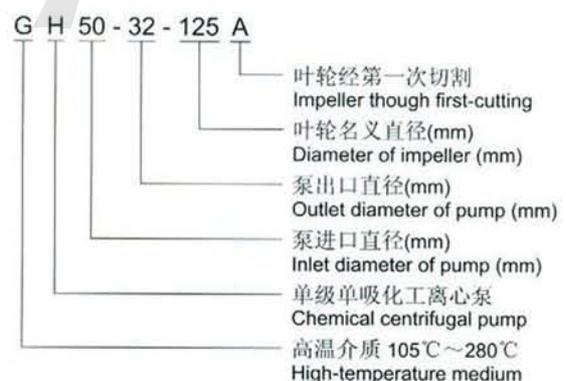
GHK型化工泵是单级单吸（轴向吸入）离心泵，供输送高温带颗粒的、具有腐蚀性的液体，是其它化工离心泵不能理想解决的技术改进型节能新产品。其额定性能和尺寸等效采用国际标准ISO2858，技术条件采用GB/T5656-1994标准，具有使用性能范围广、效率高和维修方便的特点。

GHK chemical pump is single-stage single-suction (axial suction) centrifugal pump, used to transport high-temperature particles and corrosive liquid, is other chemical centrifugal pump not the ideal solution Improved technology New energy-saving products. It's rated performance and dimensions meet with the standard of ISO2858, and the technology condition meets with the standard of GB/T5656-1994. It features with wide range of performance, high efficiency and easy maintenance.

性能范围 Performance Range

流量: 3.6~400m ³ /h	Flow: 3.6~400m ³ /h
扬程: 5~125m	Head: 5~125m
配套功率: 0.55~110kW	Power: 0.55~110kW
进口直径: 50~200mm	Inlet Diameter: 50~200mm
最高工作压力: 1.6MPa	Max. working pressure: 1.6MPa

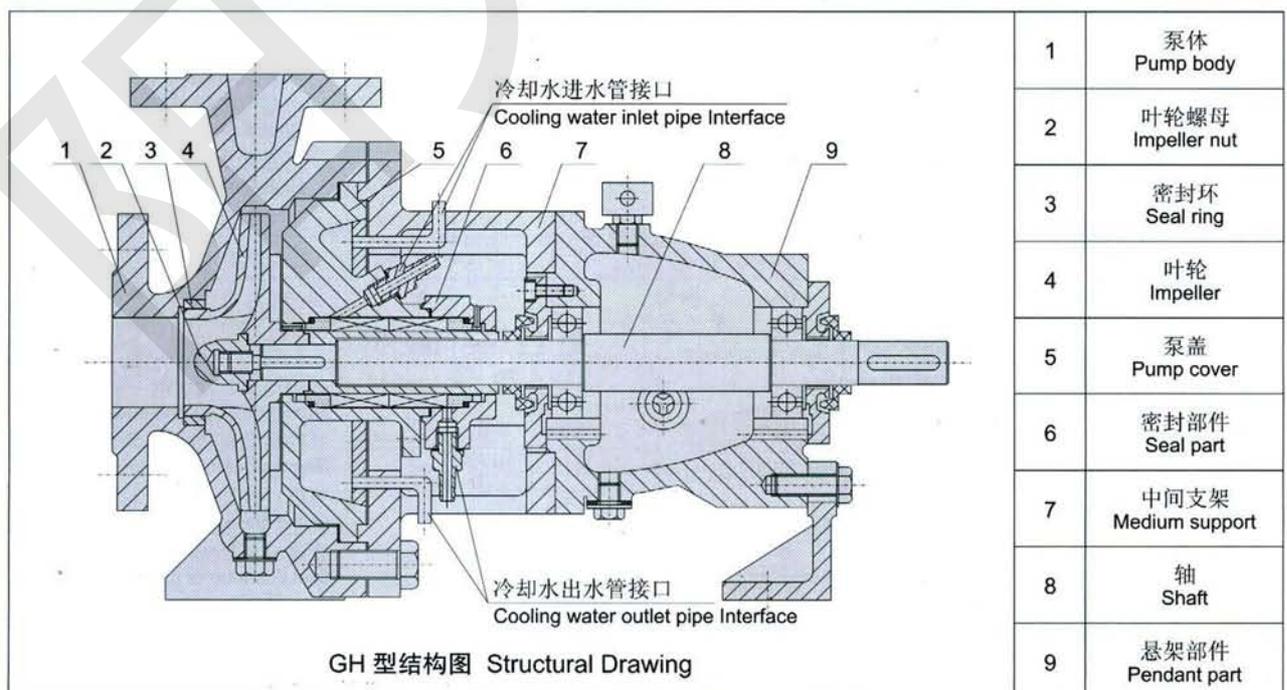
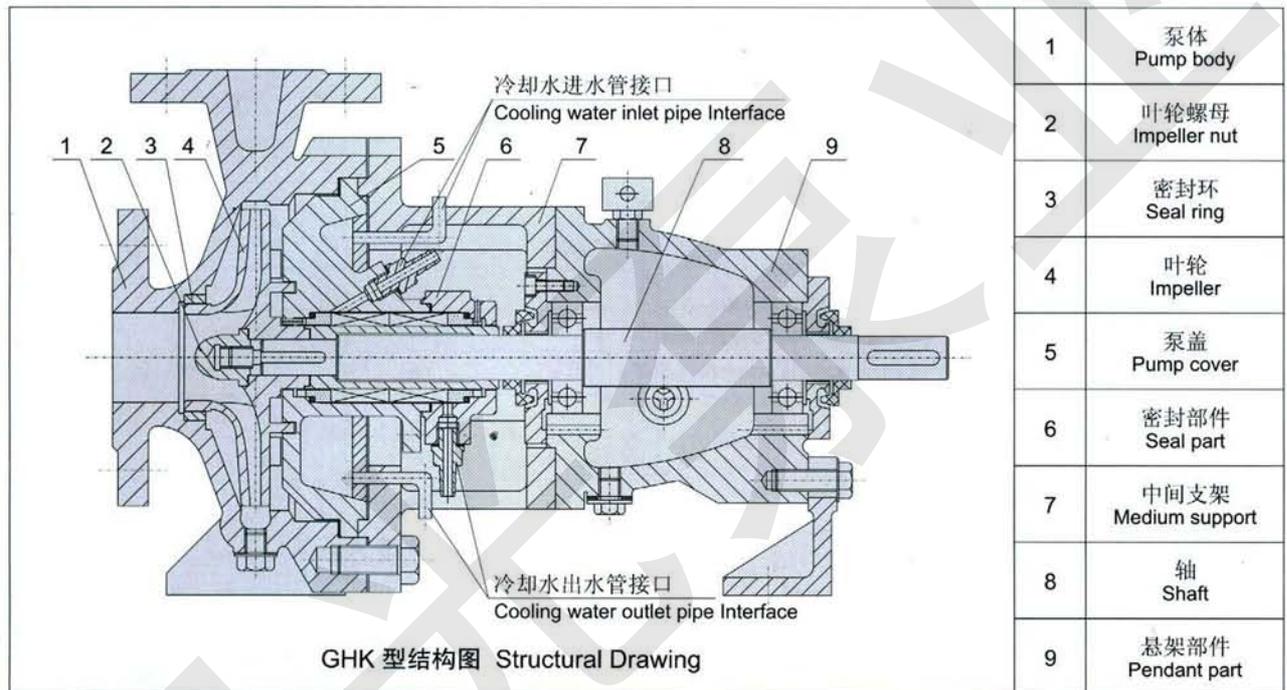
型号意义 Model Explanation



单级单吸化工离心泵

结构说明 Structures Description

- 1、该泵是全国泵行业采用ISO国际标准联合设计的系列产品，其主要由泵体、叶轮、密封环、叶轮螺母、泵盖、密封部件、中间支架、轴、悬架部件等组成。
- 2、泵体是轴向吸入，径向排出。泵通过加长联轴器由电动机直接驱动，从进口端看按逆时针方向旋转。
- 3、泵的密封型式可根据输送介质，如高温带颗粒型、常温带颗粒型、高温清水型、常温清水型等选取适用性的机械密封。



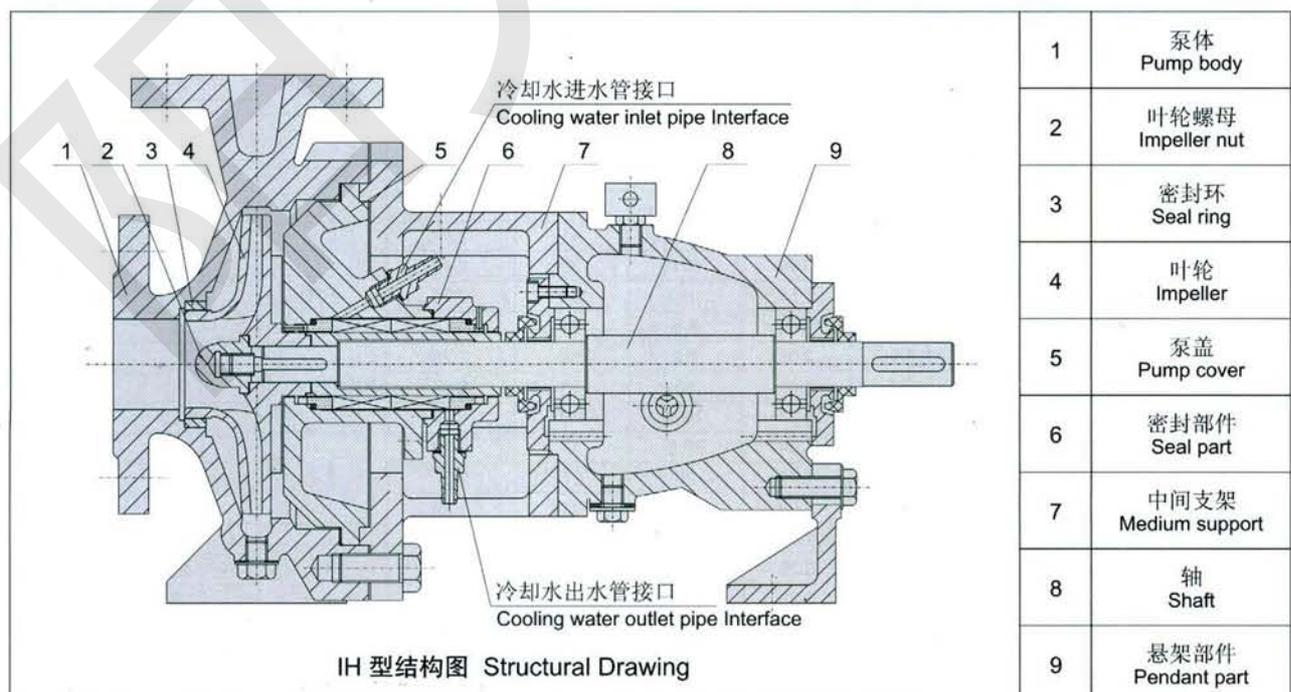
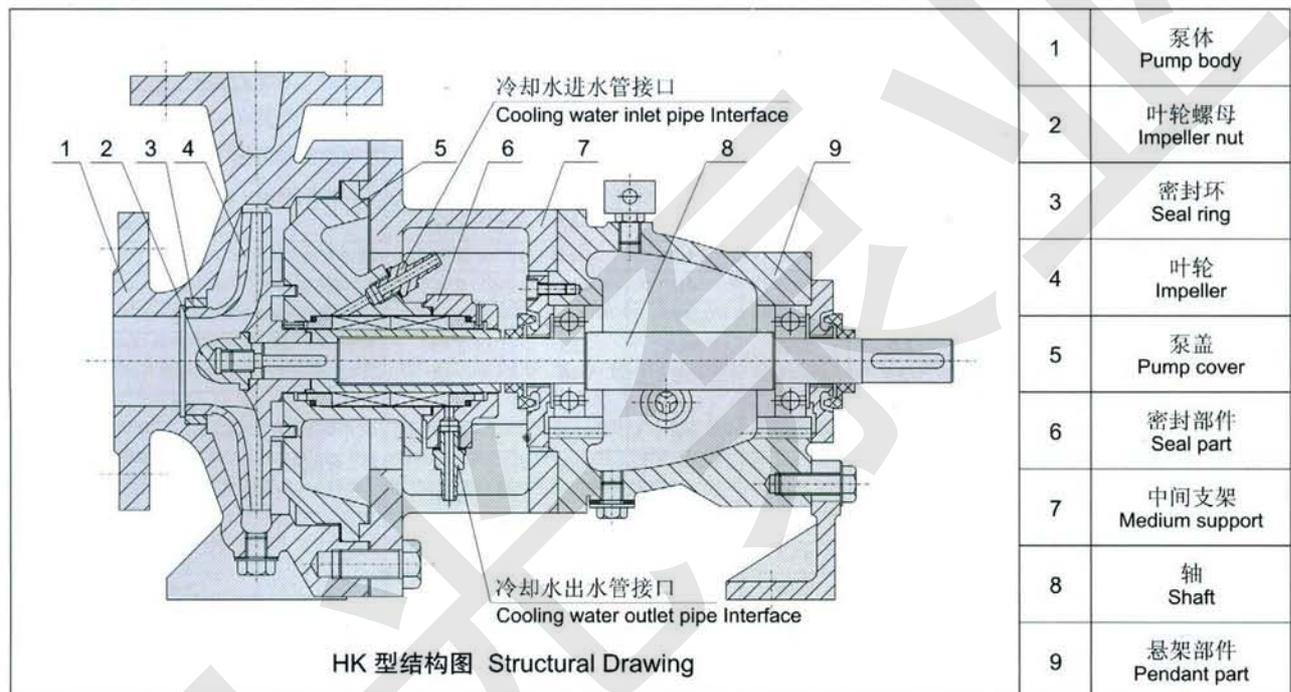
单级单吸化工离心泵

结构说明 Structures Description

1. The pump is a series product that is developed jointly by the China pump industry on the base of ISO standard. It consists of pump body, impeller, seal ring, impeller nut, pump cover, seal part and medium support, shaft and pendant, etc.

2. The pump body is axial suction and radial exhaust. The pump rotates under the drive of motor by lengthened shaft coupling, view from the inlet by counterclockwise rotation.

3. Pump seal type can transport medium, such as high-temperature with granular type, normal temperature with granular type, high-temperature clean water type, normal temperature clean water type, etc. select suitable mechanical seal.



单级单吸化工离心泵

性能参数 Performance Parameters

型号 Model	转速 Speed n (r/min)	流量 Flow Q		扬程 Head H (MPa)	效率 Efficiency η (%)	功率 Power P (kW)		汽蚀余量 Net Positive Suction Head (NPSH)r (m)	总重 Weight G (kg)
		(m ³ /h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
50-32-125	2900	7.5	2.08	23	43	1.09	2.2	2	45
		12.5	3.47	20	51	1.33		2	
		15	4.17	18	49	1.50		2.5	
	1450	3.75	1.04	5.75	36	0.16	0.55	2	
		6.3	1.75	5	45	0.19		2	
		7.5	2.08	4.5	44	0.21		2.5	
50-32-125A	2900	6.8	1.89	18.8	40	0.87	1.5	2	
		11.3	3.14	16.4	50	1.01		2	
		13.6	3.78	14.7	47	1.16		2.5	
	1450	3.4	0.94	4.7	33.3	0.13	0.55	2	
		5.7	1.58	4.1	43	0.15		2	
		6.8	1.89	3.7	42	0.16		2.5	
50-32-160	2900	7.5	2.08	34.5	33	2.13	3	2	48
		12.5	3.47	32	46	2.37		2	
		15	4.17	30	50	2.45		2.5	
	1450	3.75	1.04	8.6	29	0.3	0.55	2	
		6.3	1.75	8	40	0.34		2	
		7.5	2.08	7.5	43	0.36		2.5	
50-32-160A	2900	6.8	1.89	28.5	30	1.76	3	2	
		11.3	3.14	26.4	44	1.85		2	
		13.6	3.78	24.8	48	1.91		2.5	
	1450	3.4	0.94	7.1	25.9	0.25	0.55	2	
		5.7	1.58	6.6	37.1	0.28		2	
		6.8	1.89	6.2	41	0.28		2.5	
50-32-200	2900	7.5	2.08	51.8	28	3.78	5.5	2	58
		12.5	3.47	50	39	4.36		2	
		15	4.17	48	43	4.56		2.5	
	1450	3.75	1.04	12.9	23	0.57	1.1	2	
		6.3	1.75	12.5	33	0.65		2	
		7.5	2.08	12	36	0.68		2.5	
50-32-200A	2900	6.8	1.89	42.7	25	3.16	4	2	
		11.3	3.14	41	38	3.24		2	
		13.6	3.78	39.5	41	3.57		2.5	
	1450	3.4	0.94	10.6	20	0.49	0.75	2	
		5.7	1.58	10.3	31	0.52		2	
		6.8	1.89	9.9	34	0.54		2.5	
50-32-250	2900	7.5	2.08	82	23	7.28	11	2	92
		12.5	3.47	80	33	8.25		2	
		15	4.17	78.5	36.5	8.79		2.5	
	1450	3.75	1.04	20.5	17	1.23	2.2	2	
		6.3	1.75	20	27	1.27		2	
		7.5	2.08	19.6	31	1.29		2.5	
50-32-250A	2900	7	1.94	71.9	20	6.84	11	2	
		11.7	3.25	70	32	6.97		2	
		14	3.89	68.8	34	7.71		2.5	
	1450	3.51	0.98	18	15.4	1.12	1.5	2	
		5.9	1.64	17.5	25	1.25		2	
		7.02	1.95	17.2	27.9	1.18		2.5	

单级单吸化工离心泵

性能参数 Performance Parameters

型号 Model	转速 Speed n (r/min)	流量 Flow Q		扬程 Head H (MPa)	效率 Efficiency η (%)	功率 Power P (kW)		汽蚀余量 Net Positive Suction Head (NPSH)r (m)	总重 Weight G (kg)
		(m ³ /h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
50-32-250B	2900	6.6	1.83	63.6	20	5.71	7.5	2	92
		11	3.06	62	30	6.19		2	
		13.2	3.67	60.9	33	6.64		2.5	
65-50-125	2900	15	4.17	21.3	47	1.85	3	2	46
		25	6.94	20	62	2.2		2	
		30	8.33	18.6	63	2.41		2.5	
	1450	7.5	2.08	5.4	44	0.25	0.55	2	
		12.5	3.47	5	55	0.31		2	
		15	4.17	4.5	56	0.33		2.5	
65-50-125A	2900	13.6	3.78	17.6	44	1.48	2.2	2	46
		22.7	6.31	16.5	61	1.67		2	
		27.3	7.58	15.4	59.9	1.91		2.5	
	1450	6.8	1.89	4.5	41	0.20	0.55	2	
		11.3	3.14	4.1	54	0.23		2	
		13.6	3.78	3.7	53	0.26		2.5	
65-50-160	2900	15	4.17	34.2	44	3.18	5.5	2	52
		25	6.94	32	57	3.82		2	
		30	8.33	30	59	4.15		2.5	
	1450	7.5	2.08	8.55	39	0.45	0.75	2	
		12.5	3.47	8	51	0.53		2	
		15	4.17	7.5	52.5	0.58		2.5	
65-50-160A	2900	13.6	3.78	28.4	41	2.56	4	2	52
		22.7	6.31	26.5	56	2.93		2	
		27.3	7.58	24.8	56	3.29		2.5	
	1450	6.8	1.89	7.09	35.5	0.37	0.55	2	
		11.3	3.14	6.6	49.6	0.41		2	
		13.6	3.78	6.2	49.9	0.46		2.5	
65-40-200	2900	15	4.17	53.2	41	5.3	11	2	62
		25	6.94	50	52	6.55		2	
		30	8.33	47.6	53.5	7.27		2.5	
	1450	7.5	2.08	13.3	35	0.78	1.5	2	
		12.5	3.47	12.5	46	0.93		2	
		15	4.17	11.9	47.5	1.02		2.5	
65-40-200A	2900	13.6	3.78	43.9	38	4.28	7.5	2	62
		22.7	6.31	41	50	5.07		2	
		27.3	7.58	39.3	51	5.73		2.5	
	1450	6.8	1.89	11	31.8	0.64	1.1	2	
		11.3	3.14	10.3	44	0.72		2	
		13.6	3.78	9.8	44.8	0.81		2.5	
65-40-250	2900	15	4.17	81.2	34	9.76	15	2	98
		25	6.94	80	46	11.84		2	
		30	8.33	78.4	50	12.8		2.5	
	1450	7.5	2.08	20.3	28	1.48	3	2	
		12.5	3.47	20	39	1.75		2	
		15	4.17	19.6	43	1.86		2.5	
65-40-250A	2900	14	3.89	74.8	31	9.21	15	2	98
		23.4	6.5	71	45	10.1		2	
		28	7.78	68.6	47	11.13		2.5	

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性能参数 Performance Parameters

型号 Model	转速 Speed n (r/min)	流量 Flow Q		扬程 Head H (MPa)	效率 Efficiency η (%)	功率 Power P (kW)		汽蚀余量 Net Positive Suction Head (NPSH) _r (m)	总重 Weight G (kg)
		(m ³ /h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
65-40-250A	1450	7	1.94	17.8	25	1.35	2.2	2	98
		11.7	3.25	17.5	37.9	1.47		2	
		14	3.89	17.2	40	1.64		2.5	
65-40-250B	2900	13.2	3.67	62.8	31	7.29	11	2	
		22	6.11	61.8	44	8.42		2	
		26.4	7.33	53	45	8.45		2.5	
65-40-315	2900	15	4.17	126.8	28	18.51	30	2	
		25	6.94	125	39	21.8		2	
		30	8.33	124	42.5	23.85		2.5	
	1450	7.5	2.08	32.4	22	3.03	5.5	2	
		12.5	3.47	32	33	3.3		2	
		15	4.17	31.7	37	3.5		2.5	
65-40-315A	2900	14	3.89	111.2	25	16.97	30	2	
		23.4	6.5	109.5	38	18.36		2	
		28	7.78	108.8	40	20.75		2.5	
	1450	7	1.94	28.4	22	2.46	4	2	
		11.7	3.25	28	33	2.71		2	
		14	3.89	27.8	37	2.87		2.5	
65-40-315B	2900	13.2	3.67	98	24	14.69	22	2	
		22	6.11	96.5	37	15.63		2	
		26.4	7.33	95.9	39	17.67		2.5	
80-65-125	2900	30	8.33	23.2	60	3.16	5.5	3	
		50	13.89	20	69	3.95		3	
		60	16.67	17.6	67	4.29		4	
	1450	15	4.17	5.8	54	0.44	0.75	2.5	
		25	6.94	5	64	0.53		2.5	
		30	8.33	4.4	62	0.58		3	
80-65-125A	2900	27.2	7.56	19.1	57	2.48	4	3	
		45.3	12.58	16.5	67	3.04		3	
		54.4	15.11	14.5	64	3.36		4	
	1450	13.6	3.78	4.8	51	0.35	0.55	2.5	
		22.6	6.28	4.1	62	0.41		2.5	
		27.2	7.56	3.6	59	0.45		3	
80-65-160	2900	30	8.33	36	57	5.16	11	2	
		50	13.89	32	67	6.51		2.3	
		60	16.67	28.4	65	7.14		3.3	
	1450	15	4.17	9	50	0.74	1.5	2	
		25	6.94	8	62	0.88		2.3	
		30	8.33	7.2	62	0.95		3.3	
80-65-160A	2900	27.2	7.56	29.7	54	4.08	7.5	2	
		45.4	12.61	26.4	65	5.02		2.3	
		54.4	15.11	23.4	62	5.59		3.3	
	1450	13.6	3.78	7.4	47.3	0.58	1.1	2	
		22.7	6.31	6.6	60	0.68		2.3	
		27.2	7.56	5.9	59	0.74		3.3	
80-50-200	2900	30	8.33	55.2	53	8.51	15	2	
		50	13.89	50	63	10.81		2.5	
		60	16.67	45.2	62	11.92		3.2	

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性能参数 Performance Parameters

型号 Model	转速 Speed n (r/min)	流量 Flow Q		扬程 Head H (MPa)	效率 Efficiency η (%)	功率 Power P (kW)		汽蚀余量 Net Positive Suction Head (NPSH)r (m)	总重 Weight G (kg)
		(m ³ /h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
80-50-200	1450	15	4.17	13.5	44	1.25	2.2	2	64
		25	6.94	12.5	57	1.49		2	
		30	8.33	11.5	58	1.62		2.5	
80-50-200A	2900	27.2	7.56	45.4	50	6.73	11	2	
		45.3	12.58	41	61	8.29		2.5	
		54.4	15.11	37.2	59	9.35		3.2	
	1450	13.6	3.78	11.1	41	1	2.2	2	
		22.7	6.31	10.3	56.1	1.14		2	
		27.2	7.56	9.5	55	1.28		2.5	
80-50-250	2900	30	8.33	84	43	16	30	2	102
		50	13.89	80	53	20.57		2.5	
		60	16.67	75	54	22.71		3.2	
	1450	15	4.17	21	40	2.15	5.5	2	
		25	6.94	20	50	2.72		2	
		30	8.33	18.8	51	3.01		2.5	
80-50-250A	2900	27.2	7.56	69	42	12.18	22	2	
		45.3	12.58	65.7	52	15.61		2.5	
		54.4	15.11	61.6	52	17.57		3.2	
	1450	13.6	3.78	17.3	40	1.6	3	2	
		22.7	6.31	16.4	49	2.07		2	
		27.2	7.56	15.4	50	2.28		2.5	
80-50-315	2900	30	8.33	128	38	27.54	45	2.5	110
		50	13.89	125	50	34.1		2.5	
		60	16.67	123	53	37.94		3	
	1450	15	4.17	32.5	37	3.59	7.5	2.5	
		25	6.94	32	48	4.54		2.5	
		30	8.33	31.5	52	4.94		3	
80-50-315A	2900	27.2	7.56	105	37	21	37	2.5	
		45.3	12.58	102.6	48	26.4		2.5	
		54.4	15.11	101	50	29.94		3	
	1450	13.6	3.78	26.3	36	2.71	5.5	2.5	
		22.7	6.31	25.7	46	3.46		2.5	
		27.2	7.56	25.2	50	3.74		3	
100-80-125	2900	60	16.67	23.7	65	5.96	11	3	56
		100	27.78	20	73	7.47		4.2	
		120	33.33	16.3	69	7.72		4.8	
	1450	30	8.33	5.7	58	0.8	1.5	3	
		50	13.89	5	69	0.99		3.4	
		60	16.67	4.1	68	0.99		3.7	
100-80-125A	2900	55	15.28	19.4	62	4.68	7.5	3	
		91.8	25.5	16.8	71	5.92		4.2	
		109	30.28	13.7	67	6.07		4.8	
	1450	27.5	7.64	5	56	0.67	1.1	3	
		45.9	12.75	4.2	67	0.78		3.4	
		54.5	15.13	3.4	65	0.78		3.7	
100-80-160	2900	60	16.67	37	60	10.1	15	3.8	86
		100	27.78	32	73	11.9		4.3	
		120	33.33	28	73	12.54		5	

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性能参数 Performance Parameters

型号 Model	转速 Speed n (r/min)	流量 Flow Q		扬程 Head H (MPa)	效率 Efficiency η (%)	功率 Power P (kW)		汽蚀余量 Net Positive Suction Head (NPSH)r (m)	总重 Weight G (kg)
		(m ³ /h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
100-80-160	1450	30	8.33	9.25	58	1.3	2.2	3	86
		50	13.89	8	69	1.58		3.4	
		60	16.67	7	68	1.68		3.7	
100-80-160A	2900	54.6	15.17	30.6	57	7.98	15	3.8	
		91	25.28	26.5	71	9.25		4.3	
		109.2	30.33	23.2	70.4	9.85		5	
	1450	27.3	7.58	7.66	55.3	1.03	1.5	3	
		45.5	12.64	6.6	67	1.22		3.4	
		54.6	15.17	5.8	65.3	1.32		3.7	
100-65-200	2900	60	16.67	56	63	14.53	22	3.4	95
		100	27.78	50	72	18.92		3.9	
		120	33.33	44	71	20.26		5.2	
	1450	30	8.33	14	60	1.91	3	2.5	
		50	13.89	12.5	68	2.5		2.5	
		60	16.67	11	63	2.85		3	
100-65-200A	2900	54.6	15.17	46.5	60.1	11.51	18.5	3.4	
		91	25.28	41.5	70	14.7		3.9	
		109.2	30.33	36.6	68	16		5.2	
	1450	27.3	7.58	11.6	57	1.51	3	2.5	
		45.5	12.64	10.3	66	1.93		2.5	
		54.6	15.17	9.1	60.1	2.25		3	
100-65-250	2900	60	16.67	88	57	25.24	37	3	114
		100	27.78	80	68	32.06		3.6	
		120	33.33	74	67	36.12		4.5	
	1450	30	8.33	22	50	3.63	5.5	2.5	
		50	13.89	20	63	4.33		2.5	
		60	16.67	18.5	64	4.73		3	
100-65-250A	2900	56.1	15.58	77	54	21.8	37	3	
		93.5	25.97	70	65	27.44		3.6	
		112.2	31.17	64.7	64	30.91		4.5	
	1450	28	7.79	19.2	47	3.12	5.5	2.5	
		45.5	12.64	17.4	61	3.53		2.5	
		56	15.56	16.2	60.9	4.06		3	
100-65-250B	2900	52.7	14.64	67.9	53.3	18.29	30	3	
		87.8	24.39	61.7	64	23.1		3.6	
		105.4	29.28	57	62.9	26.03		4.5	
100-65-315	2900	60	16.67	132	48	44.96	75	2.8	165
		100	27.78	125	62	54.94		3.2	
		120	33.33	119	64	60.8		4.2	
	1450	30	8.33	33.5	44	6.22	11	2	
		50	13.89	32	58	7.52		2	
		60	16.67	30.5	60	8.31		2.5	
100-65-315A	2900	56.1	15.58	115.5	45	39.2	75	2.8	
		93.5	25.97	109	61	45.53		3.2	
		112.2	31.17	104	61	52.13		4.2	
	1450	28	7.789	29.3	41	5.46	11	2	
		46.5	12.92	28	56	6.33		2	
		56	15.56	26.7	57	7.15		2.5	

单级单吸化工离心泵

性能参数 Performance Parameters

型号 Model	转速 Speed n (r/min)	流量 Flow Q		扬程 Head H (MPa)	效率 Efficiency η (%)	功率 Power P (kW)		汽蚀余量 Net Positive Suction Head (NPSH)r (m)	总重 Weight G (kg)
		(m ³ /h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
100-65-315B	2900	52.7	14.64	102	44	33.29	55	2.8	165
		88	24.44	97	60	38.77		3.2	
		105.4	29.28	92	60	44.04		4.2	
125-100-200	2900	120	33.33	61	68	29.33	45	4.5	98
		200	55.56	50	77	35.39		5	
		240	66.67	41	70	38.3		5.8	
	1450	60	16.67	15.25	64	3.89	7.5	2.5	
		100	27.78	12.5	73	4.66		2.9	
		120	33.33	10.25	66	5.08		3.6	
125-100-200A	2900	109.1	30.31	50.5	64.9	23.13	37	4.5	98
		182	50.56	41.4	75	27.38		5	
		218.2	60.61	34	67.1	30.13		5.8	
	1450	54.7	15.19	12.6	61	3.08	5.5	2.5	
		91	25.28	10.3	71	3.6		2.9	
		109.4	30.39	8.5	63	4.02		3.6	
125-100-250	2900	120	33.33	90	62	47.48	75	3.7	150
		200	55.56	80	75	58.13		4.5	
		240	66.67	73	74	64.52		5.5	
	1450	60	16.67	22.5	59	6.23	11	2	
		100	27.78	20	72	7.56		2.3	
		120	33.33	18.25	71	8.4		3	
125-100-250A	2900	112	31.11	78	59	40.35	75	3.7	150
		186.5	51.81	69.5	73	48.35		4.5	
		224	62.22	63.5	71	54.59		5.5	
	1450	56	15.56	19.5	56	5.31	11	2	
		93	25.83	17.4	70	6.29		2.3	
		112	31.11	15.9	68	7.13		3	
125-100-250B	2900	105.5	29.31	69	58	34.2	55	3.7	165
		175.5	48.75	61.5	71	41.42		4.5	
		211	58.61	56	69.9	46.06		5.5	
125-100-315	2900	120	33.3	132.5	52.6	82.37	110	4	165
		200	55.6	125	72	94.62		4.5	
		240	66.7	120	75	104.64		5	
	1450	60	16.7	33.5	53	10.33	22	2.5	
		100	27.8	32	65	13.42		2.5	
		120	33.3	30.5	66	15.11		3	
125-100-315A	2900	112	31.1	115.2	52	67.63	90	4	165
		186.5	51.81	108.7	71	77.81		4.5	
		224	62.22	104.3	72	88.42		5	
	1450	56	15.56	28.8	52	8.45	15	2.5	
		93	25.83	27.2	64	10.77		2.5	
		112	31.11	26.1	65	12.25		3	
125-100-400	1450	60	16.67	52	48	17.71	30	2.5	210
		100	27.78	50	55	24.77		2.5	
		120	33.33	48.5	62	25.58		3	
125-100-400A	1450	56	15.56	45	43	15.97	30	2.5	
		93	25.83	43.2	54	20.27		2.5	
		112	31.11	41.9	60	21.31		3	

单级单吸化工离心泵

性能参数 Performance Parameters

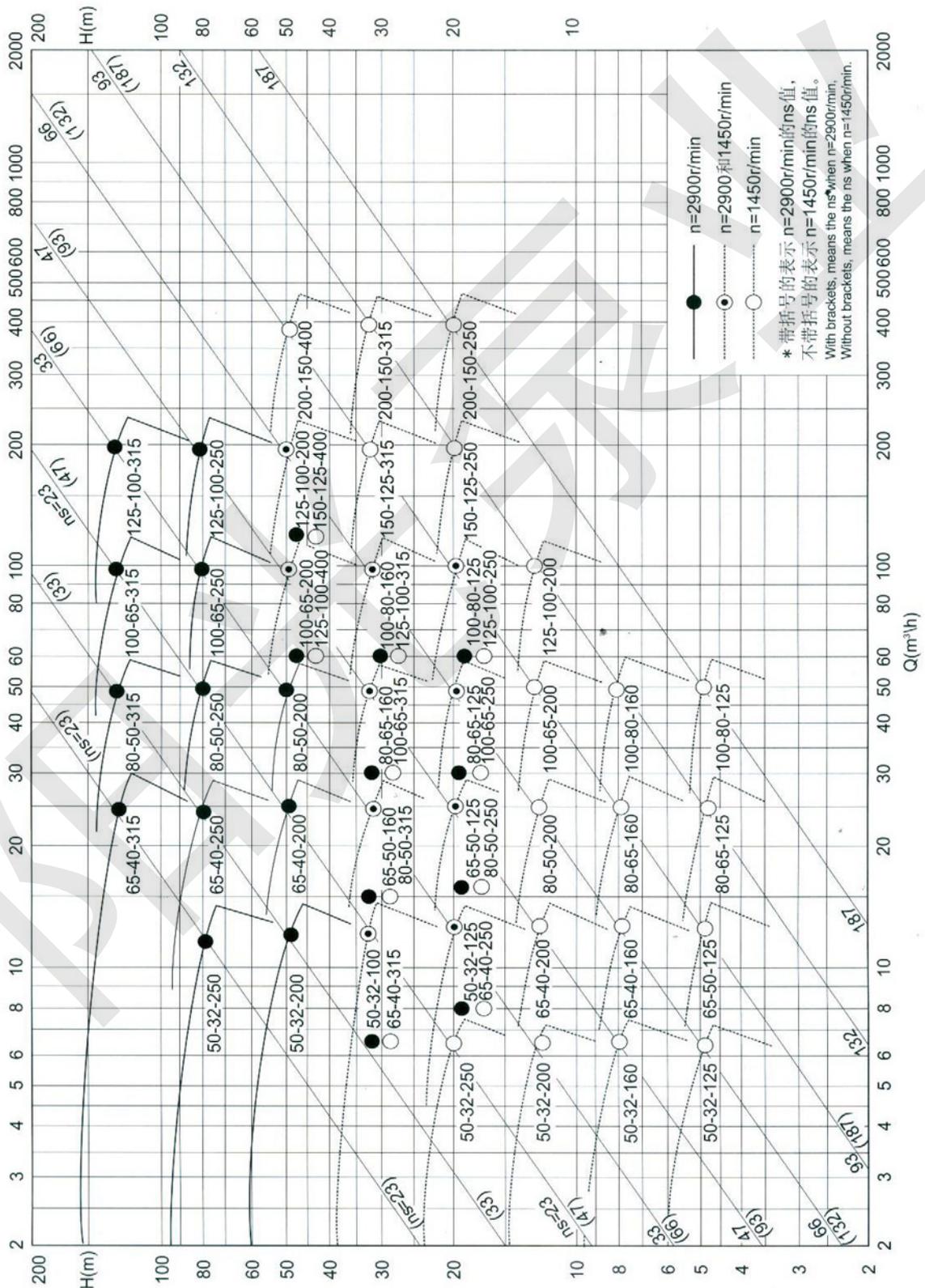
型号 Model	转速 Speed n (r/min)	流量 Flow Q		扬程 Head H (MPa)	效率 Efficiency η (%)	功率 Power P (kW)		汽蚀余量 Net Positive Suction Head (NPSH)r (m)	总重 Weight G (kg)
		(m ³ /h)	(L/s)			轴功率 Shaft Power	电机功率 Motor Power		
150-125-250	1450	120	33.33	24.8	66	12.29	18.5	2.5	164
		200	55.56	20	77	14.16		2.8	
		240	66.67	15	68	14.43		3.5	
150-125-250A	1450	109.1	30.28	20.5	62.5	9.75	15	2.5	164
		182	50.56	16.5	75	10.91		2.8	
		218.2	60.61	12.4	65.2	11.31		3.5	
150-125-315	1450	120	33.33	36.3	63	18.84	30	2.5	195
		200	55.56	32	75	23.25		2.8	
		240	66.67	28.5	72	25.89		3.8	
150-125-315A	1450	109.1	30.28	30	60	14.85	22	2.5	195
		182	50.56	25.5	73	17.32		2.8	
		218.2	60.61	23.5	69	20.23		3.8	
150-125-315B	1450	99	27.5	24.7	59	11.29	18.5	2.5	195
		165	45.83	22	72	13.74		2.8	
		198	55	19.4	69	15.17		3.8	
150-125-400	1450	120	33.33	57.5	61	30.82	55	2	237
		200	55.56	50	70	38.93		2.5	
		240	66.67	44	63	45.68		3	
150-125-400A	1450	109.1	30.28	47.5	58	24.35	37	2	237
		182	50.56	41	68	29.94		2.5	
		218.2	60.61	36.5	60	36.17		3	
150-125-400B	1450	99	27.5	39.1	57	18.51	30	2	237
		165	45.83	34	67	22.82		2.5	
		198	55	29.9	58	27.81		3	
200-150-250	1450	240	66.67	23	70	21.49	37	2.5	194
		400	111.11	20	79	27.59		2.8	
		460	127.78	18	80	28.2		3	
200-150-250A	1450	218.2	60.61	18.9	67	16.77	30	2.5	194
		363	100.83	16.5	79	20.66		2.8	
		418	116.1	14.8	78	21.61		3	
200-150-315	1450	240	66.67	35.6	67	34.75	55	3	268
		400	111.11	32	79	44.15		3.5	
		460	127.78	29.4	77	47.86		4	
200-150-315A	1450	218.2	60.61	29.4	64	27.31	45	3	268
		363	100.84	25.5	77	32.76		3.5	
		418	116.11	24.3	74	37.4		4	
200-150-315B	1450	197.7	54.92	24.1	63	20.61	37	3	268
		329	91.39	21.6	76	25.48		3.5	
		378.8	105.22	19.7	73	27.86		4	
200-150-400	1450	240	66.67	55.8	67	54.47	90	3	289
		400	111.11	50	78	69.87		3.5	
		460	127.78	47	75	78.55		4	
200-150-400A	1450	218.2	60.61	46	64	42.74	75	3	289
		363	100.83	41	76	53.36		3.5	
		418	116.11	38.8	72	61.38		4	
200-150-400B	1450	197.7	54.92	37.7	63	32.24	55	3	289
		329	91.39	33.8	75	40.4		3.5	
		378.8	105.22	31.8	71	46.23		4	

注：上表所列的轴功率是按介质为水配的功率，可根据用户输送的重度和粘度不同，选用不同功率的电机。

Note: The shaft power listed on above table is the power with water as medium. Electric machine of different power may be adopted according to the media of different weight and viscosity delivered by users.

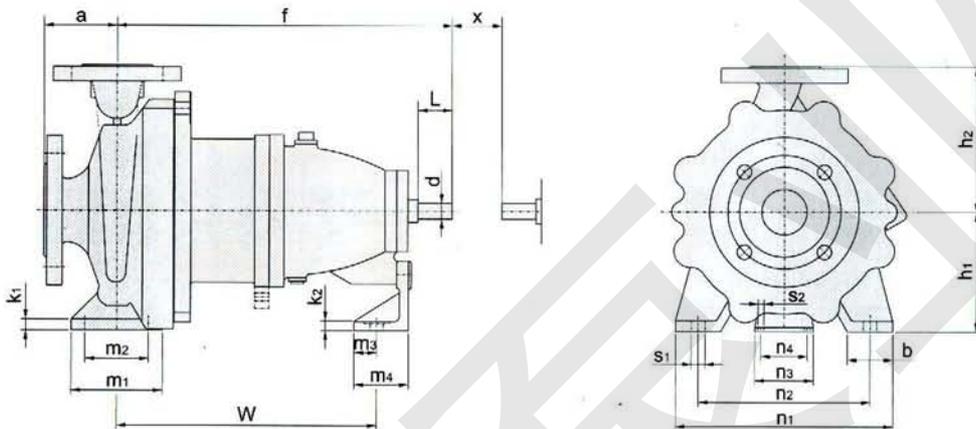
单级单吸化工离心泵

型谱图 Performance Diagram



单级单吸化工离心泵

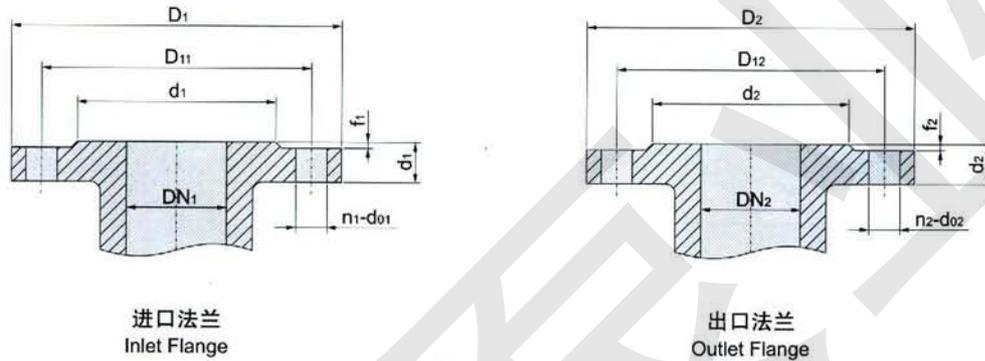
外形图及尺寸 Outline Diagram and Dimensions



型号 Model	泵 Pump				泵座 Pump Seat								W	螺栓孔 Bolt Hole		轴端 Shaft End		间隔 Interval											
	a	f	h1	h2	b	m1	m2	m3	m4	n1	n2	n3		n4	k1	k2	s1		s2	d	L	x							
50-32-125	80	385	112	140	50	100	70	19	60	190	140	145	110	12	10	285	φ14	φ14	24	50	100								
50-32-160			132	160						240	190																		
50-32-200			160	180						240	190																		
50-32-250	100	500	180	225	65	129	95	25	65	320	250	145	110	16	14	370	φ14	φ14	32	80	100								
65-50-125	80	385	112	140	50	100	70	19	60	210	160								145	110		12	10	285	φ14	φ14	24	50	100
65-50-160			132	160						240	190																		
65-40-200			160	180						265	212																		
65-40-250	100	500	180	225	65	125	95	25	65	320	250	145	110	16	14	370	φ14	φ14	32	80	100								
65-40-315	125		200	250						345	280																		
80-65-125	100	385	132	160	50	100	70	19	60	240	190	145	110	12	10	285	φ14	φ14	24	50	100								
80-65-160			160	180						265	212																		
80-50-200			200	250						265	212																		
80-50-250	125	500	180	225	65	125	95	25	65	320	250	145	110	16	14	370	φ14	φ14	32	80	100								
80-50-315	225		280	345						280																			
100-80-125	100	385	160	180	65	125	95	19	60	280	212	145	110	12	10	285	φ14	φ14	24	50	100								
100-80-160			24	60				280	212																				
100-65-200			500	180				225	25	65	320								250	145		110	16	14	370	φ14	φ14	32	80
100-65-250	125	530	200	250	80	160	120	25	65	360	280	145	110	16	14	370	φ18	φ14	42	110	140								
100-65-315			225	280				28	65	400	315																		
125-100-200	125	500	200	280	80	160	120	25	65	360	280	145	110	16	14	370	φ18	φ14	32	80	140								
125-100-250	225		280	28				65	400	315																			
125-100-315	140	530	250	315	100	200	150	28	65	500	400	145	110	20	14	370	φ22	φ14	42	110	140								
125-100-400			280	355				28	65	500	400																		
150-125-250	140	530	250	355	80	160	120	28	65	400	315	145	110	20	14	370	φ18	φ14	42	110	140								
150-125-315			280	400				28	65	500	400																		
150-125-400			315	400				28	65	500	400																		
200-150-250	160	670	280	375	100	200	150	28	65	500	400	145	110	20	14	370	φ22	φ14	42	110	180								
200-150-315			315	400				38	80	550	450																		
200-150-400			450	400				38	80	550	450																		

单级单吸化工离心泵

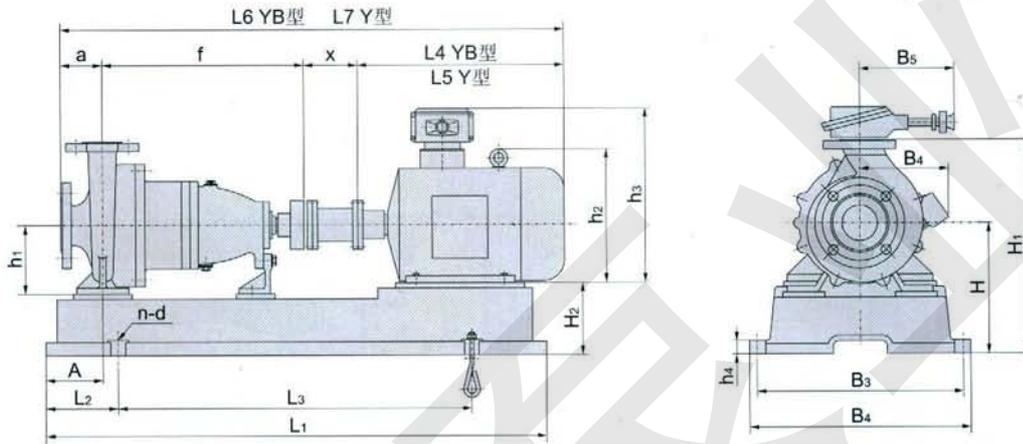
进出口法兰示意图及尺寸 Inlet & Outlet Flange Diagram and Dimensions



型号 Model	进口法兰尺寸 Inlet Flange Dimensions							出口法兰尺寸 Outlet Flange Dimensions						
	DN ₁	D ₁	D ₁₁	d ₁	b ₁	f ₁	n ₁ -d ₀₁	DN ₂	D ₂	D ₁₂	d ₂	b ₂	f ₂	n ₂ -d ₀₂
50-32-125	50	165	125	99	20	3	4-18	32	140	100	76	18	2	4-18
50-32-160														
50-32-200														
50-32-250														
65-50-125	65	185	145	118	20	3	4-18	50	165	125	99	20	3	4-18
65-50-160														
65-40-200														
65-40-250														
65-40-315	80	200	160	132	20	3	8-18	40	150	110	84	18	3	4-18
80-65-125														
80-65-160														
80-50-200														
80-50-250	100	220	180	156	22	3	8-18	65	185	145	118	20	3	4-18
80-50-315														
100-80-125														
100-80-160														
100-65-200	125	250	210	184	22	3	8-18	100	220	180	156	22	3	8-18
100-65-250														
100-65-315														
125-100-200														
125-100-250	150	285	240	211	24	3	8-22	125	250	210	184	22	3	8-18
125-100-315														
125-100-400														
150-125-250														
150-125-315	200	340	295	266	24	3	12-22	150	285	240	211	24	3	8-22
150-125-400														
200-150-250														
200-150-315														
200-150-400														

单级单吸化工离心泵

外形图及安装尺寸 Outline Diagram and Installation Dimensions



型号 Model	电机 型号/功率 Motor Model / Power (kW)	外形及安装尺寸 Outline and Installation Dimensions																												
		A	L ₁	L ₂	L ₃	L ₄	L ₅	a	f	x	L ₆	L ₇	B ₂	B ₃	B ₄	B ₅	h ₁	h ₂	h ₃	h ₄	H	H ₁	H ₂	n-d						
50-32-125	YB801-4/0.55	80	150	540	330	290	80	385	100		895	855	360	320	150	225	112	175	340	25	197	337	117	4-φ19						
	YB802-2/1.1				360	315					925	880						160	195				355		107					
	YB90S-2/1.5				385	340					950	925						390	φ50				245		380	97				
	YB90L-2/2.2				385	340					950	925						390	φ50				245		380	97				
	YB100L-2/3.0				430	380					995	945						390	φ50				245		380	97				
50-32-160	YB801-4/0.55	80	150	540	330	290	80	385	100		895	855	360	320	150	225	132	175	340	25	217	377	137	4-φ19						
	YB802-4/0.75				360	315					925	880						160	195				355		127					
	YB90S-4/1.1				360	315					925	880						160	195				355		127					
	YB90L-2/2.2				385	340					950	925						390	350				245		380	117				
	YB100L-2/3				430	380					995	945						390	350				245		380	105				
	YB112M-2/4				460	400					1025	965						390	350				245		380	105				
	YB132S1-2/5.5				510	475					1075	1040						450	400				210		240	315	470	85	4-φ24	
50-32-200	YB801-4/0.55	80	150	540	330	290	80	385	100		895	855	360	320	150	225	160	175	340	25	245	425	165	4-φ19						
	YB802-4/0.75				360	315					925	880						160	195				355		155					
	YB90S-4/1.1				360	315					925	880						160	195				355		155					
	YB90L-4/1.5				385	340					950	925						390	350				265		400	133				
	YB112M-2/4				460	400					1025	965						390	350				265		400	133				
	YB132S1-2/5.5				510	475					1075	1040						450	400				210		240	315	470	113	4-φ24	
	YB132S2-2/7.5				510	475					1075	1040						450	400				210		240	315	470	113	4-φ24	
	YB160M1-2/11				655	605					1220	1170						490	440				265		385	530	260	80	4-φ24	
50-32-250	YB90S-4/1.1	95	190	660	360	315	100	500	100		1060	1015	450	400	160	225	180	195	355	30	265	490	175	4-φ24						
	YB90L-4/1.5				385	340					1085	1040						160	195				355		175					
	YB100L1-4/2.2				430	380					1130	1080						180	245				380		165					
	YB100L2-4/3				430	380					1130	1080						180	245				380		165					
	YB132S2-2/7.5				510	475					1210	1175						490	440				210		315	470	280	505	148	4-φ24
	YB160M1-2/11				655	605					1355	1305						490	440				265		385	530	300	525	140	4-φ24
	YB160M2-2/15				695	650					1395	1350						540	490				265		385	530	300	525	140	4-φ24
	YB160L-2/18.5				695	650					1395	1350						540	490				265		385	530	300	525	140	4-φ24
YB180M-2/22	730	670	1430	1370	540	490	285	430	565	300	525	120	4-φ24																	

单级单吸化工离心泵

外形图及安装尺寸 Outline Diagram and Installation Dimensions

型号 Model	电机 型号/功率 Motor Model / Power (kW)	外形及安装尺寸 Outline and Installation Dimensions																										
		A	L1	L2	L3	L4	L5	a	f	x	L6	L7	B2	B3	B4	B5	h1	h2	h3	h4	H	H1	H2	n-d				
65-50-125	YB801-4/0.55	80	920	150	540	330	290	80	385	100	895	855	360	320	150	225	112	175	340	25	197	337	117	4-φ19				
	YB802-4/0.75										950	925			160			195	355	107								
	YB90L-2/2.2										995	945	390	350	180			245	380	30			97					
	YB100L-2/3										1025	965			190			265	400	85								
	YB112M-2/4										1075	1040	450	400	210			315	470	65								
	YB132S1-2/5.5										1075	1040	450	400	210			240	315	470			65	4-φ24				
65-50-160	YB801-4/0.55	80	920	170	600	330	290	80	385	100	895	855	360	320	150	225	132	175	340	25	217	377	137	4-φ19				
	YB802-4/0.75										925	880			160			195	355	127								
	YB90S-4/1.1										950	925			180			245	380	117								
	YB90L-4/1.5										995	945	390	350	180			265	400	105								
	YB100L-2/3										1025	965			190			265	400	85								
	YB112M-2/4										1075	1040	450	400	210			315	470	30			85	4-φ24				
	YB132S1-2/5.5										1075	1040	450	400	210			240	315	470			30					
	YB132S2-2/7.5										1220	1170	490	440	265			385	530	232			392		57			
YB160M1-2/11	1140	210	740	655	605																							
65-40-200	YB802-4/0.75	80	920	170	600	330	290	100	385	100	915	875			150	225	160	175	340		245	425	165	4-φ19				
	YB90S-4/1.1										945	900	390	350	160			195	355	155								
	YB90L-4/1.5										970	945			180			245	380	145								
	YB100L1-4/2.2										1015	965			180			245	380	113								
	YB132S1-2/5.5										1095	1060	450	400	210			315	470	4-φ24								
	YB132S2-2/7.5										1095	1060	450	400	210			240	315	470			113	4-φ24				
	YB160M1-2/11										1240	1190	490	440	265			385	530	260			440		100			
	YB160M2-2/15										1240	1190	490	440	265			385	530	260			440		100			
65-40-250	YB90S-4/1.1	95	1020	190	660	360	315	100	500	100	1060	1015			160	225	180	195	355		260	490	175	4-φ24				
	YB90L-4/1.5										1085	1040			180			245	380	165								
	YB100L1-4/2.2										1130	1080	450	400	180			245	380	165								
	YB100L2-4/3										1160	1100			190			265	400	30			153					
	YB112M-4/4										1160	1100			190			265	400	30			153					
	YB160M1-2/11										1355	1305			240			385	530	300			525	140				
	YB160M2-2/15										1395	1350	540	490	265			430	565	120								
	YB160L-2/18.5										1430	1370			285			430	565	120								
	YB180M-2/22										1505	1475	610	550	315			475	625	40			320	545	120	4-φ28		
	YB200L1-2/30										1505	1475	610	550	315			290	475	625			40	320	545		120	
65-40-315	YB100L2-4/3	95	1140	210	740	430	380	125	500	100	1155	1105			180	255	200	245	380		300	550	200	4-φ24				
	YB112M-4/4										1185	1125	490	440	190			265	400	188								
	YB132S-4/5.5										1235	1200			210			315	470	168								
	YB132M-4/7.5										1275	1240			210			315	470	168								
	YB160M-4/11										1380	1330			240			385	530	30			160					
	YB160M2-2/15										1420	1375	540	490	265			430	565	140								
	YB160L-2/18.5										1455	1395			285			430	565	140								
	YB180M-2/22										1455	1395			285			430	565	140								
	YB200L1-2/30										1530	1500	610	550	315			475	625	40			340		590	140	4-φ28	
	YB200L2-2/37										1530	1500	610	550	315			290	475	625			40		340	590		140
	YB225M-2/45										1565	1540			345			530	670	115								
	YB225M-2/45										1565	1540			345			530	670	115								

单级单吸化工离心泵

外形图及安装尺寸 Outline Diagram and Installation Dimensions

型号 Model	电机 型号/功率 Motor Model / Power (kW)	外形及安装尺寸 Outline and Installation Dimensions																																											
		A	L1	L2	L3	L4	L5	a	f	x	L6	L7	B2	B3	B4	B5	h1	h2	h3	h4	H	H1	H2	n-d																					
80-65-125	YB801-4/0.55	80	820	150	540	330	290	100	385	100	915	875	360	320	150	132	175	340	25	217	377	137	4-φ19																						
	YB802-4/0.75					360	315				945	900												195	355	127																			
	YB90S-4/1.1					385	340				970	925												160	225	195	355	127																	
	YB90L-4/1.5		920	170	600	430	380				100	385	100	1015	965		390	350	180			160		245	380	30	245	425	117	4-φ24															
	YB100L-2/3					460	400							1045	985																160	225	265	400	105										
	YB112M-2/4					430	380							1095	1060																450	400	210	315	470	85									
	YB132S1-2/5.5		1020	190	660	510	475							100	385		100	1095	1060					450	400	210			240		315	470	30	232	392	72	4-φ24								
	YB132S2-2/7.5					655	605											1240	1190																			490	440	265	385	530	72		
	YB160M1-2/11					655	605											1240	1190																			490	440	265	385	530	72		
YB160M2-2/15	80	920	170	600	330	290	100	385	100	915						875		390	350	160	160		175	340	25	245					425	165	4-φ19												
YB802-4/0.75					360	315				945						900																				195		355	155						
YB90S-4/1.1					385	340				970						925																				160		225	195	355	155				
YB90L-4/1.5					920	170				600	430	380	100			385		100	1015	965		450	400	210	240		245	380		30		260				440		145	4-φ24						
YB100L1-4/2.2											430	380							1095	1060																				450	400	210	315	470	113
YB132S1-2/5.5											655	605							1240	1190																				490	440	265	385	530	100
YB132S2-2/7.5					1020	190				660	510	475		100	385		100		1095	1060		450	400	210			240	315	470	30				260	440		100	4-φ24							
YB160M1-2/11											655	605							1240	1190																				490	440	265	385	530	100
YB160M2-2/15											655	605							1240	1190																				490	440	265	385	530	100
YB160L-2/18.5	80	920	170	600	360	315	100	385	100	945	900	390							350	180	160	195	355	30		245		445	155	4-φ19															
YB90S-4/1.1					385	340				970	925																				160		225				195			355	155				
YB90L-4/1.5					430	380				1015	965																				180		225				245			380	145				
YB100L1-4/2.2					920	170				600	430	380	100			385		100	1015	965		450	400	210	240				245		380	30	260			460	145		4-φ24						
YB100L2-4/3											460	400							1045	985																				190	225	265	400	133	
YB112M-4/4											430	380							1095	1060																				450	400	210	315	470	113
YB132S2-2/7.5					1020	190				660	510	475		100	385		100		1095	1060		450	400	210			240		315		470	30		260	460		100	4-φ24							
YB160M1-2/11											655	605							1240	1190																				490	440	265	385	530	100
YB160M2-2/15											655	605							1240	1190																				490	440	265	385	530	100
YB180M-2/22	80	920	170	600	360	315	100	385	100	945	900	390							350	180	160	195	355	30		245		445	145	4-φ19															
YB90S-4/1.1					385	340				970	925																				160	225					195			355	155				
YB90L-4/1.5					430	380				1015	965																				180	225					245			380	145				
YB100L1-4/2.2					920	170				600	430	380	100			385		100	1015	965		450	400	210	240				245		380	30	260			460	100		4-φ24						
YB100L2-4/3											460	400							1045	985																				190	225	265	400	133	
YB112M-4/4											430	380							1095	1060																				450	400	210	315	470	113
YB132S2-2/7.5					1020	190				660	510	475		100	385		100		1095	1060		450	400	210			240		315		470	30		260	460		100	4-φ24							
YB160M1-2/11											655	605							1240	1190																				490	440	265	385	530	100
YB160M2-2/15											655	605							1240	1190																				490	440	265	385	530	100
YB180M-2/22	80	920	170	600	360	315	100	385	100	945	900	390							350	180	160	195	355	30		245		445	145	4-φ19															
YB90S-4/1.1					385	340				970	925																				160	225					195			355	155				
YB90L-4/1.5					430	380				1015	965																				180	225					245			380	145				
YB100L1-4/2.2					920	170				600	430	380	100			385		100	1015	965		450	400	210	240				245		380	30	260			460	100		4-φ24						
YB100L2-4/3											460	400							1045	985																				190	225	265	400	133	
YB112M-4/4											430	380							1095	1060																				450	400	210	315	470	113
YB132S2-2/7.5					1020	190				660	510	475		100	385		100		1095	1060		450	400	210			240		315		470	30		260	460		100	4-φ24							
YB160M1-2/11											655	605							1240	1190																				490	440	265	385	530	100
YB160M2-2/15											655	605							1240	1190																				490	440	265	385	530	100
YB180M-2/22	80	920	170	600	360	315	100	385	100	945	900	390							350	180	160	195	355	30		245		445	145	4-φ19															
YB90S-4/1.1					385	340				970	925																				160	225					195			355	155				
YB90L-4/1.5					430	380				1015	965																				180	225					245			380	145				
YB100L1-4/2.2					920	170				600	430	380	100			385		100	1015	965		450	400	210	240				245		380	30	260			460	100		4-φ24						
YB100L2-4/3											460	400							1045	985																				190	225	265	400	133	
YB112M-4/4											430	380							1095	1060																				450	400	210	315	470	113
YB132S2-2/7.5					1020	190				660	510	475		100	385		100		1095	1060		450	400	210			240		315		470	30		260	460		100	4-φ24							
YB160M1-2/11											655	605							1240	1190																				490	440	265	385	530	100
YB160M2-2/15											655	605							1240	1190																				490	440	265	385	530	100
YB180M-2/22	80	920	170	600	360	315	100	385	100	945	900	390							350	180	160	195	355	30		245		445	145	4-φ19															
YB90S-4/1.1					385	340				970	925																				160	225					195			355	155				
YB90L-4/1.5					430	380				1015	965																				180	225					245			380	145				
YB100L1-4/2.2					920	170				600	430	380	100			385		100	1015	965		450	400	210	240				245		380	30	260			460	100		4-φ24						
YB100L2-4/3											460	400							1045	985																				190	225	265	400	133	
YB112M-4/4											430	380							1095	1060																				450	400	210	315	470	113
YB132S2-2/7.5					1020	190				660	510	475		100	385		100		1095	1060		450	400	210			240		315		470	30		260	460		100	4-φ24							
YB160M1-2/11											655	605							1240	1190																				490	440	265	385	530	100
YB160M2-2/15											655	605							1240	1190																				490	440	265	385	530	100
YB180M-2/22	80	920	170	600	360	315	100	385	100	945	900	390							350	180	160	195	355	30		245		445	145	4-φ19															
YB90S-4/1.1					385	340				970	925																				160	225					195			355	155				
YB90L-4/1.5					430	380				1015	965																				180	225					245			380	145				
YB100L1-4/2.2					920	170				600	430	380	100			385		100	1015	965		450	400	210	240				245		380	30	260			460	100		4-φ24						
YB100L2-4/3											460	400							1045	985																				190	225	265	400	133	
YB112M-4/4											430	380							1095	1060																				450	400	210	315	470	113
YB132S2-2/7.5					1020	190				660	510	475		100	385		100		1095	1060		450	400	210			240		315		470	30		260	460		100	4-φ24							
YB160M1-2/11											655	605							1240	1190																				490	440	265	385	530	100
YB160M2-2/15											655	605							1240	1190																				490	440	265	385	530	100
YB180M-2/22	80	920	170	600	360	315	100	385	100	945	900	390							350	180	160	195	355	30		245		445	145	4-φ19															
YB90S-4/1.1					385	340				970																																			

单级单吸化工离心泵

外形图及安装尺寸 Outline Diagram and Installation Dimensions

型号 Model	电机 型号/功率 Motor Model / Power (kW)	外形及安装尺寸 Outline and Installation Dimensions																						
		A	L1	L2	L3	L4	L5	a	f	x	L6	L7	B2	B3	B4	B5	h1	h2	h3	h4	H	H1	H2	n-d
80-50-315	YB160L-4/15	1270	225	840	695	650				1420	1375	540	410	265	240		385	530		345	625	185	4-φ28	
	YB200L1-2/30				805	755				1530	1500			315		290	475	625		365	645	165		
	YB200L2-2/37	1420	250	940						1565	1540	610	550		245		530	670		40				140
	YB225M-2/45				840	815		125	500	100							225	575	770					135
	YB250M-2/55	1620	290	1060	930	930					1660	1655	660	600	385		330	640	830		385	665		105
	YB280S-2/75	1820	320	1200	1010	1000					1735	1725	730	670	410									
100-80-125	YB802-4/0.75				330	290				915	875			150			175	340				165	4-φ19	
	YB90S-4/1.1				360	315				945	900			160			195	355				155		
	YB90L-4/1.5	920	170	600	385	340				970	925	390	350		225									
	YB100L1-4/2.2				430	380				1015	965			180			245	380		245	425	145		
	YB100L2-4/3				460	400		100	385	100	1045	985			190		160	265	400	30		133		
	YB112M-4/4										1095	1065	450	400	210		240	315	470			113		
	YB132S1-2/5.5	1020	190	660	510	475					1240	1190	490	440	265			385	530		260	440	100	
	YB132S2-2/7.5																							
	YB160M1-2/11	1140	210	740	655	605																		
YB160M2-2/15																								
100-80-160	YB90L-4/1.5				385	340				1085	1040			160			195	355				155	4-φ24	
	YB100L1-4/2.2	1020	190	660	430	380				1130	1080	450	400	180	225		245	380		245	445	145		
	YB100L2-4/3				460	400				1160	1100			190			265	400				133		
	YB112M-4/4									1210	1175	490	440	210		160	315	470	30	260	460	128		
	YB132S2-2/7.5	1140	210	740	510	475		100	500	100	1355	1305			265	240		385	530		280	480	120	
	YB160M1-2/11				665	605					1395	1350											100	
	YB160M2-2/15	1270	225	840	695	650					1430	1370	540	490				430	565					
	YB160L2-2/18.5				730	670					1470	1410			285									
	YB180M-2/22										1505	1475	610	550	315	290		475	625	40	300	500	100	
	YB200L1-2/30	1420	250	940	805	775																		
100-65-200	YB100L1-4/2.2				430	380				1175	1120			180			245	380				180	4-φ24	
	YB100L2-4/3				460	400				1200	1140	490	440	190	225		265	400		280	505	168		
	YB112M-4/4	1140	210	740	510	475				1250	1215			210			315	475	30			148		
	YB132S-4/5.5				550	515				1290	1255													
	YB132M-4/7.5				655	605		100	500	140	1395	1345			265	180		385	530		300	525	140	
	YB160M2-2/15	1270	225	840	695	650					1435	1390	540	490	265	240		430	565					
	YB160L-2/18.5				730	670					1470	1410			285									
	YB180M-2/22										1545	1515			315			475	625	40	320	545	120	
	YB200L1-2/30	1420	250	940	805	775					1580	1555	610	550		290		530	670					
	YB200L2-2/37				840	815																		
YB225M-2/45																								
100-65-250	YB100L2-4/3				430	380				1195	1145			180	225		245	380				200	4-φ24	
	YB112M-4/4				460	400				1225	1165			190			265	400				188		
	YB132S-4/5.5	1140	210	740	510	475				1275	1240	490	440				315	470	30		300	550		168
	YB132M-4/7.5				550	575		125	500	140	1315	1280			210	200								
	YB160M-4/11				655	605					1420	1370												
	YB160L-4/15	1270	225	840	695	650					1460	1415	540	490	265			385	530		320	570	160	

单级单吸化工离心泵

外形图及安装尺寸 Outline Diagram and Installation Dimensions

型号 Model	电机 型号/功率 Motor Model / Power (kW)	外形及安装尺寸 Outline and Installation Dimensions																																
		A	L1	L2	L3	L4	L5	a	f	x	L6	L7	B2	B3	B4	B5	h1	h2	h3	h4	H	H1	H2	n-d										
100-65-250	YB180M-2/22	1270	225	840	730	670				1495	1435	540	490	285	240		430	565	30	320	570	140	4-φ24											
	YB200L1-2/30	110					125	500	140	1570	1540			315		200	475	625			340	590	140	4-φ28										
	YB200L2-2/37											610	550																					
	YB225M-2/45												805	775																				
	YB250M-2/55												840	815																				
	YB280S-2/75									1620	290	1060	935	930					1700	1695	660	600	385				575	770			360	610	110	
YB280M-2/90	1820	320	1200	1010	1000					1775	1765	730	670	410	330		640	830					80											
100-65-315	YB132S-4/5.5	110					125	530	140	1305	1270				210		225	315	470					213	4-φ24									
	YB132M-4/7.5									1270	225	840	550	515				1345	1310	540	490								30	345	625			
	YB160M-4/11												655	605																				
	YB160L-4/15												695	650																				
	YB180M-4/18.5									1420	250	940	730	670					1525	1465	610	550	285				430	565					185	4-φ28
	YB200L2-2/37				805	775					1600	1570			315		225	475	625			360	645	165										
	YB225M-2/45				840	815					1635	1610			345		290	530	670					160										
	YB250M-2/55	1620	290	1060	935	930					1730	1725	660	600	385			575	770			40		135										
	YB280S-2/75	1820	320	1200	1010	1000					1805	1795	730	670	410	330		640	830			385	665	105										
	YB280M-2/90				1060	1050					1860	1845	730	670	410			640	830					105										
125-100-200	YB112M-4/4	110					125	500	140	1225	1165				190	225	200	265	400					188	4-φ24									
	YB132S-4/5.5									1140	210	740	510	475				1275	1240	490	440			315		470			30	300	580			
	YB132M-4/7.5												550	515																				
	YB160M-4/11									1270	225	840	655	605					1420	1370	540	490	265				385	530					160	
	YB200L1-2/30												805	775					1570	1540			315			200	475	625					140	4-φ28
	YB200L2-2/37	1420	250	940									610	550			290							340	620									
	YB225M-2/45				840	815					1605	1580			345			530	670			40		115										
	YB250M-2/55	1620	290	1060	935	930					1700	1695	660	600	385			575	770					110										
YB280S-2/75	1820	320	1200	1010	1000					1775	1765	730	670	410	330		640	830			360	640	80											
125-100-250	YB132S-4/5.5	110					140	530	140	1320	1285				210		225	315	470					213	4-φ24									
	YB132M-4/7.5									1270	225	840	550	515				1360	1325	540	490								30	345	625			
	YB160M-4/11												655	605																				
	YB160L-4/15									1420	250	940	695	650					1465	1415													185	4-φ28
	YB180M-4/18.5												730	670					1505	1460			285			225	430	565					365	
	YB225M-2/45				840	815					1650	1625			345	290		530	670					160										
	YB250M-2/55	1620	290	1060	935	930					1745	1740	660	600	385			575	770			40		135										
	YB280S-2/75	1820	320	1200	1010	1000					1820	1810	730	670	410	330		640	830			385	665	105										
	YB280M-2/90				1060	1050					1870	1860	730	670	410			640	830					105										
	125-100-315	YB160M-4/11	110					140	530	140	1465	1415	540	490				225	385	530					210	4-φ24								
YB160L-4/15													695	650																				
YB180M-4/18.5													730	670																				
YB180L-4/22		1420									250	940	750	710					1540	1480			285		250		430	565					210	4-φ28
YB200L-4/30													805	775					1560	1520	610	550											190	
YB225S-4/37					845	820					1615	1585			315		290	475	625			40	390	705										
YB280S-2/75					1010	1000					1655	1630			345			530	670					165										
YB280M-2/90		1820	320	1200	1060	1050					1820	1810	730	670	410	330		640	830					130										
YB315S-2/110					1240	1240					1870	1860	790	730	575	400		640	830			410	725	95										
										2060	2060	790	730	575	400		865	1020																

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外形图及安装尺寸 Outline Diagram and Installation Dimensions

型号 Model	电机 ·型号/功率 Motor Model / Power (KW)	外形及安装尺寸 Outline and Installation Dimensions																							
		A	L1	L2	L3	L4	L5	a	f	x	L6	L7	B2	B3	B4	B5	h1	h2	h3	h4	H	H1	H2	n-d	
125-100-400	YB160L-4/15					695	650				1505	1460			265		385	530					280	4-φ28	
	YB180M-4/18.5					730	670				1540	1480			285	240	430	565					260		
	YB180L-4/22					750	710				1560	1520													
	YB200L-4/30	130	1620	290	1060	805	775	140	530	140	1615	1585	660	600	315		280	475	625	40	440	795	240		
	YB225S-4/37					845	820				1655	1630				290									
	YB225M-4/45					870	845				1680	1655													215
	YB250M-4/55					935	930				1745	1740				385	330	575	770						190
150-125-250	YB160M-4/11		1270	225	840	655	605				1465	1415	540	490	265		385	530	30	370	695	210	4-φ24		
	YB160L-4/15					695	650				1505	1460													
	YB180M-4/18.5					730	670				1540	1480											210		
	YB180L-4/22	110	1420	250	940	750	710	140	530	140	1560	1520	610	550	285		250	430	565				4-φ28		
	YB200L-4/30					805	775				1615	1585				315		475	625	40	390	745	190		
	YB225S-4/37					845	820				1655	1630				345	290	530	670					165	
150-125-315	YB180M-4/18.5					730	670				1540	1480					430	565					260		
	YB180L-4/22					750	710				1560	1520													
	YB200L-4/30	130	1620	290	1060	805	775	140	530	140	1615	1585	660	600	315		280	475	625	40	440	775	240		
	YB225S-4/37					845	820				1655	1630				345	290	530	670				225		
	YB225M-4/45					870	845				1680	1655				345									
	YB250M-4/55					935	930				1745	1740				385	330	575	770					190	
150-125-400	YB200L-4/30					805	775				1615	1585					475	625					275		
	YB225S-4/37					845	820				1655	1630											250		
	YB225M-4/45	110	1620	290	1060	870	845	140	530	140	1680	1655	660	600	345	290	530	670					250		
	YB250M-4/55					935	930				1745	1740				385		575	770	40	475	875	225		
	YB280S-4/75					1010	1000				1820	1810	730	670	410	330	640	830					195		
	YB280M-4/90					1060	1050				1870	1860													
	YB180L-4/22					750	710				1620	1580					430	565					260		
200-150-250	YB200L-4/30					805	775				1675	1645					475	625					240		
	YB225S-4/37	130	1620	290	1060	845	820	160	530	180	1715	1690	660	600	345	290	280	530	670	40	440	815	215		
	YB225M-4/45					870	845				1740	1715													
	YB250M-4/55					935	930				1805	1800				385		575	770				190		
	YB280S-4/75					1010	1000				1880	1870	730	670	410	330	640	830					160		
	YB280M-4/90					1060	1050																		
200-150-315	YB200L-4/30					805	775				1815	1785					475	625					275		
	YB225S-4/37					845	820				1855	1830											250		
	YB225M-4/45	130	1820	320	1200	870	845	160	670	180	1880	1855	730	670	345	290	530	670					225		
	YB250M-4/55					935	930				1945	1940				385		575	770	40	475	875			
	YB280S-4/75					1010	1000				2020	2010												195	
	YB280M-4/90					1060	1050				2070	2060				410	330	640	830						
	YB250M-4/55					935	930				1945	1940				385		575	770					225	
200-150-400	YB280S-4/75	130	1820	320	1200	1010	1000	160	670	180	2020	2010	730	670	410	330	315	640	830	40	475	925	195		
	YB280M-4/90					1060	1050				2070	2060													

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拆卸与装配

一、泵的拆卸顺序

1、拆下泵体上的放液管堵和悬架上的放液管堵，放净泵内液体及悬架内储油室的存油。如外引液密封管路的亦应拆下。

2、拆下泵体中间支架联接螺栓，将中间支架、悬架部件、密封部件等全部转子组件从泵体中取出(在此之前应先拆出加长联轴器的中间联接件)。

3、松开叶轮螺母，取出叶轮和键。

4、将泵盖连同轴套、机械密封端盖及机械密封等组合件一起从轴上取下。此时应注意勿使轴套与泵盖等相对滑动，然后再拆下机械密封端盖，将机械密封连同轴套一起取出，再把轴套和机械密封拆开，如果是软填料密封，可先从泵盖上取下轴套，再顺次拆下填料压盖、填料和填料环等。对结构特殊的机械密封，要注意其不同的拆装方法。

5、拆下中间支架和悬架支架。

6、拆下泵联轴器 and 键。

7、拆下悬架两端的防尘盘和轴承的前、后盖，再把轴连同轴承一起从悬架体内取下。

8、拆开轴承和轴。

二、泵的装配

泵的装配顺序基本上可按照拆卸顺序的反方向进行，但装配时要注意检查各密封面垫片应完好。

安 装

1、泵的安装是否合理，对泵的正常运行和使用寿命有重要影响，所以安装和校正必须仔细进行。

2、安装泵的地点，应便于巡回检查和检修。

3、开箱后检查泵和电机，如果证实没有任何因装、卸和运输过程中造成的损坏和紧固联接件松动，泵没有尘土、污物等进入泵内，则可不必重新拆卸和装配，直接送到使用现场去安装。

4、安装泵的基础平面应用水平仪找平，待基础水泥凝固后，将泵安放基础上，并用水平仪检查泵和电机轴的水平情

Disassembly & Assembly

1. The order for pump disassembly

(1) Disassembly the liquid exhaust pipes at the pump body and pendant to exhaust the liquid inside the pump and lift oil inside the oil store at the pendant. The outer seal pipe line also should be disassembled.

(2) Disassembly the connection bolt at the medium support of pump body and take out the all rotor parts including medium support, pendant and seal part of the pump body. (it is must to disassembly the medium connection part of the lengthened shaft coupling ahead.)

(3) Loosen the impeller nut and take out the impeller and Rey.

(4) Disassembly the pump cover and muff, terminal cover of mechanical seal and mechanical seal from the shaft. Meanwhile, it is must not to cause relative slide between the muff and pump cover. And then disassemble the terminal cover of mechanical seal and take out the mechanical seal and muff together. After, it is necessary to detach the muff and mechanical seal. In case of soft filler seal, the first is to take down the muff from the pump cover and then disassembly the filler gland, filler and filler ring, etc. As for special structure of mechanical seal, it is necessary to choose different disassembly mode.

(5) Disassemble the medium support and pendant support.

(6) Disassemble the shaft coupling and key.

(7) Disassemble the dust-proof plate at the two ends and the front, back covers at the bearing and take down the shaft and bearing from the pendant.

(8) Disassemble the bearing and shaft.

2. Pump assembly

The assembly order can be the reverse order of disassembly. But it is necessary to ensure whether the washers of all seals are perfect.

Installation

1. The reasonable installation can play a key role for normal operation and life. It is must to carefully install and emend.

2. The place to install should be convenient to check and repair.

3. Check the pump and motor to ensure they are all at good condition. If they are all at good condition, it is allowable to install.

4. The base level to install the pump should be checked with level gauge. Install the pump at the base after the cement is solid. If the level condition isn't perfect, it is must to use iron cushion to make base level. Finally, it is must to use cement to fill the base and foot screw.

5. After the cement is solid, it is necessary to check whether the

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况，如不水平，应用垫铁调正，直到水平为止。然后通过灌浆孔用水泥浇灌底座和地脚螺栓孔眼。

5、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。

6、在电机、泵和底座重新安装情况下，应严格检查泵轴和电机的同轴度。测量联轴器的外圆上下左右的差异不得超过0.1毫米，两联轴器端面间隙一周上最大和最小的间隙差不得超过0.3毫米。

7、泵的吸入管路和吐出管路应有各自的支架，不允许管路的重量直接由泵来承受，以免把泵压坏。

8、泵的安装位置高于液面(在泵的吸程允许范围内)时，应在吸入管路端部装上底阀，并在排出管路上设置灌液螺孔或阀门，供起动前灌泵之用。泵的安装位置低于液面(灌注情况)时，应在吸入管路上装上控制阀门和过滤装置，以防杂物吸入泵内。

9、本系列泵均按1.6MPa规格设计，所以选择管路法兰时应与之相匹配。

base and foot screw relax. If they are at good condition, it is to fasten the foot screw and recheck the level.

6. After the motor, pump and base are installed, it is must to strictly check the concentricity of the pump shaft and motor. The difference of the outer circularity around the shaft coupling should be no more than 0.1mm. The max. and min. gaps of a circle at the terminal face of the two shaft couplings should be no more than 0.3mm.

7. The suction pipe line and outlet pipe line should have their respective support. It is not allowable that the pump bears the weight of the pipe line.

8. When the installation position of pump is higher than the liquid level(with the allowable range of pump suction limit), it is must to fit bottom valve at the end of pipe line and to set the pour screw hole or valve to pump pour before start. When the installation position below the liquid level, it is allowable not to install the bottom valve. Meanwhile, it is necessary to fit control valve and filter to prevent the impurity from invasion to hurt the impeller and pump part.

9. This series pump is designed according to the 1.6MPa, so the flange should match with pipe line.

使用(起动、运行和停车)

一、起动

- 1、准备必要的工具。
- 2、起动前要把泵和现场清理干净。
- 3、检查悬架体储油室的油位，油面应在油位计中心线2毫米左右。
- 4、未接联轴器前应检查原动机的转向、与泵的转向箭头一致后，接好联轴器。
- 5、用手转动联轴器，应感觉轻松且轻重均匀，并注意辨别泵内有无摩擦声和异物流动等杂音，如有则应设法排除，并将联轴器的防护罩装好。
- 6、泵的安装位置低于液面(灌注情况)时，起动前打开吸入管路的闸阀，使液体充满泵内。如泵的安装位置高于液面(真空情况)，起动前要灌泵或抽真空，使泵内和吸入管内充满液体，排净泵内空气。
- 7、起动前检查基础螺栓有无松动，压盖是否歪斜，以及润滑油和冷却水的供应情况。
- 8、关闭进出口压力(或真空)表和出水阀门，(如有旁通管，此时也应关闭)起动电机(最好先点动，确认泵转向正确

Operation (Start, Run and Stop)

1. Start

- (1) Collect necessary tool.
- (2) Clean the pump and spot before start.
- (3) Check the oil level of the oil store at the pendant and the oil level should be 2mm around the center level.
- (4) Check the motor rotation before connection of shaft coupling. When the rotation is same as the pump rotation, it is to connect the shaft coupling.
- (5) With hand turn the shaft coupling, it is normal to feel soft and even. It is necessary to ensure there is no abnormal sound and friction inside the pump. And it's to install the protective cover of shaft coupling.
- (6) When the installation position is below the liquid level, i.e. at the condition of reverse flow, it is must to open the gate valve to make the liquid fill with pump before pump start. When the installation position of pump is higher than the liquid level(vacuum condition), it is must to let off air and let the liquid fill with pump and pipe line.
- (7) Check whether the base screw relax and the gland is inclined and the supply condition of lubricant and cool water.
- (8) Close the inlet and outlet pressure meter (or vacuum) and water exhaust valve. (If there exits by-pass pipe, it should be closed.)

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后,才开始正式运行),然后打开进出口压力(或真空)表,当泵达到正常转速,且仪表指出相应压力时,再慢慢打开出水阀门,调节到需要的工况。在吐出管路关闭的情况下,泵连续工作的时间,不能超过3分钟。

9、启动过程中要时时注意原动机的功率读数及泵的振动情况。

10、密封情况:机械密封应无泄漏,发热现象,填料密封应呈连续滴流状态。

二、运行

1、经常检查泵和电机的温升情况,轴承的温升不应大于35℃,极限温度不应大于75℃。

2、注意悬架体储油室油位的变化,经常控制在规定范围内,为了保持油的清洁和良好的润滑,应根据现场使用的实际情况,定期更换新油。一般情况,每运转1500小时后,要全部更换新油一次。

3、在运转过程中,发现有不正常的声音或其他故障时,应立即停车检查,待排除故障后才能继续运转。

4、绝不允许用吸入管路上的闸阀调节流量,以免产生汽蚀。

5、泵不宜在低于30%设计流量下连续运转,如果必须在该条件下连续运转,则应在出口处安装旁通管,排放多余流量。

三、停车

1、缓慢关闭吐出出口管路闸阀(如果泵在倒灌情况下使用,还要关闭吸入管路的闸阀),并关闭各种仪表的开关。

2、切断电源。

3、如果密封采用外部引液时,还要关闭外引液阀门。

4、如果环境温度低于液体凝固点时,要放净泵内液体,以防冻裂。

5、如果长时间停车不用,除将泵内的腐蚀性液体放净外,各零部件应拆卸清洗干净,尤其是密封腔。最好是将泵拆下清洗后重新装好,除涂油防锈处理和封闭泵进、出口外,还应定期检查。

And start the motor(it had better to start motor after ensure of right rotation.) and open the inlet & outlet pressure meter (or vacuum meter). When the pump reaches the normal rotation speed and the relative pressure appears at the meter, it is to slowly open the outlet valve to adjust until needed condition. When the outlet pipe line closes, the continuous time for pump operation should be no more than three minutes.

(9) It is must to track the motor power and the pump vibration.

(10) Seal condition: The mechanical seal should be immune to leakage and heating and the filler seal should keep the condition of continuous flow.

2. Operation

(1) It is must to regularly check the temperature rise of the motor and pump. The temperature rise of the bearing should be no more than 35℃. The limit temperature should be no more than 75℃.

(2) It is must to track the change in oil level of the oil store at the pendant and control it at the normal level. To keep oil clear and good lubrication, it is must to change fresh oil according to practical condition. In general, it is must to replace oil every 1500h operation.

(3) During operation, once irregular sound or other fault appears, it is must to stop for check until recovery.

(4) It do is prohibited to use the gate valve at the suction pipe line to adjust flow to avoid cavitation appearance.

(5) The pump shouldn't operate continuously in case era flow under 30% design flow. If it is must to do so, it is necessary to install by-pass pipe at the outlet to exhaust the excess flow.

3. Stop

(1) Slowly close the gate valve at the outlet pipe line (it is must to close the gate valve of suction pipe line in case of reverse flow.) and close the meter switch.

(2) Power cut-off.

(3) If the seal needs external liquid supply, it is must to close external liquid supply valve.

(4) If the ambient temperature is below the coagulation point, it is must to exhaust the liquid inside the pump.

(5) In case of long-term stop, it is must to exhaust the corrosive liquid inside the pump and clean the parts, especially to clean the pump after assembly of pump and reassemble the pump. Besides coating corrosion-proof oil and closing the inlet and outlet, it is must to check regularly.

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使用机械密封注意事项

本系列泵可根据不同的使用条件，安装不同形式的机械密封，(如内装单端面平衡型和非平衡型，双端面平衡型及非平衡型，外装式机械密封等。)密封形式不同，使用方法和注意事项也有所不同，具体情况应按照《机械密封使用说明书》中的规定去处理。下面仅提几点一般应注意的事项。

- 1、一般机械密封适用于清洁的，无悬浮颗粒的介质中，因此，对新安装的管路系统和储液灌，应认真冲洗干净，严防固体杂质进入机械密封端面而使密封失效。
- 2、在易结晶的介质中使用机械密封应注意经常冲洗。停车后重新启动前，要将机械密封上的结晶清洗干净。
- 3、拆卸机械密封应仔细，不许用手锤、铁器等敲击，以免破坏动、静环密封面。
- 4、如果有污垢拆不下来时，应设法清除污垢，冲洗干净后再进行拆卸，以免损坏密封元件。
- 5、安装机械密封前，应检查所有密封元件是否有失效或损坏，如有则应重新修复或更换。
- 6、应严格检查动环与静环的相对磨擦密封面，不允许有任何细微的划痕、碰伤等缺陷。所有零部件，包括泵体、叶轮、密封腔等在装配前均应冲洗干净，尤其动、静环端面，要用清洁、柔软的布或棉纱认真擦拭干净，然后涂上一层清洁的油脂或机油。
- 7、装配中注意消除偏差，紧固螺钉时，要均匀拧紧，避免发生偏斜，使密封失效。
- 8、正确调整弹簧的压缩量，泵安装好以后，以手扳动转子时，应感觉到密封弹簧既有一定的压缩量，而又能轻快、灵活地转动没有咬紧感觉。如感觉太紧或盘不动，则适当调松一些。
- 9、对有外部冲洗的机械密封，起动前应先开启冲洗液，使密封腔内充满密封液。停车时，先停泵，后关密封冲洗液。

Not for Use of Mechanical Seal

This series pump can fit different type of mechanical seal including inner-installed single terminal face balance & unbalance two terminal face mechanical seal and external-installed unbalance mechanical seal according to different operation condition. The different mechanical seal is subject to usage and note. It is must to deal according to the regulation at the operation manual for installation of mechanical seal. The following are some notes:

1. The general mechanical seal is suitable for clear medium without suspension granule. So the recently-installed pipe system and liquid store tank should be cleaned to prevent the solid impurity from entrance of the terminal face to make the seal invalid.
2. The mechanical seal should be cleaned regularly when the medium is bound to crystal. Before restart after stop, it is must to remove the crystal at the mechanical seal.
3. Carefully disassemble the mechanical seal and don't use hammer or iron tool to knock to avoid damage of dynamic or static seal.
4. If the dirty is too heavy to disassemble, it is must to remove the dirty ahead and disassemble to avoid damage of seal component.
5. Before installation of mechanical seal, it is must to check whether all seal components are all broken, replace or repair if the phenomenon exists.
6. Strictly check the relative friction surface between the dynamic ring and static ring. It is strictly prohibited that there is no any scratch and damage. All parts, including pump body, impeller, seal cavity, should be cleaned before assembly. To the dynamic terminal face and static terminal face, it is must to use clear and soft cloth or cotton to clean and coat a layer of clear cream or oil.
7. It is must to eliminate the deviation during assembly. Even fasten the screw to avoid incline to make seal invalid.
8. Set right spring state. After installation of pump, the spring should keep some extent of concentration in case of turning rotor with hand. And the spring can work freely. Adjust the spring state when feeling too tight or too loose.
9. To the mechanical seal with external clean, it is must to open the clean liquid before start to make the seal liquid full of the seal cavity. In case of stop, it is must to stop pump and close the seal clean liquid.

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可能发生的故障、原因及消除方法 Fault, Cause and Elimination

		故障现象 Fault							
产生振动及噪音 Appearance of vibration and noise								密封处泄漏过多 Too severe leakage out of the seal	
功率消耗过大 Too high power consumption								轴封(包括填料函)发热 Shaft seal (including stuffing box) heating	
流量、扬程不足 Inadequate flow and lift								泵过份发热及转不动 Too heating pump and pump stop	
泵输不出液体 No liquid out of the pump								轴承发热及轴承磨损 Heating bearing and bearing abrasion	
故障的可能因素 Cause								消除方法 Elimination	
泵内或吸入管内留有空气 Air exists inside the pump and suction pipe		○	○	○				重新灌泵排除空气 Refill pump to exhaust air	
吸上扬程过高或灌注液不够 Suction lift too high or inadequate liquid fill		○	○	○				降低泵位, 增加进口处压力 Lower pump position to increase inlet pressure	
吸入管经过小或有杂物堵塞 Too thin suction diameter or impurity block		○	○	○				加大吸入管径, 清除堵塞 Increase suction diameter and remove the block	
吸入管浸入深度不够或漏气 Inadequate depth into the liquid of suction pipe or air leakage		○	○					增大浸入深度或检修管路 Increase depth to immerse or repair pipe line	
转速过高或过低 High or low rotation		○	○	○				按规定要求检查原动机转速 Adjust to the nominal rotation	
泵转向不对 Wrong rotation		○	○					调整转向 Change to right rotation	
总扬程与泵扬程不符 The general lift doesn't match with the pump lift		○	○	○				降低吐出系统阻力或高度 Lower the resistance or height of outlet system	
介质重度与粘度与泵要求不符 The medium adhesion doesn't match with pump requirement		○	○	○				应进行换算并调换合适功率电机 Use suitable motor	
在流量过小时运转产生振动 Vibration appears when the flow is too small				○	○		○	加大流量或设旁通循环管 Increase flow or set by-pass cycle pipe	
泵与电机轴线不一致或轴弯曲 The axis of pump and motor doesn't align or the shaft bent				○	○		○	校正 Adjust	
转动部分与固定部分有摩擦 There exists friction between rotation part and solid part				○	○		○	检修泵或改善使用工况 Check pump or improve operation condition	
轴承磨损严重或损坏 Severe abrasion or broken of bearing				○	○		○	更换之 Replace	
密封环磨损过多 Too abrasive seal ring			○	○				更换之 Replace	
轴套、填料或动静环磨损过多 Too abrasive muff, filler or dynamic & static ring			○	○	○		○	更换之 Replace	
填料(或机械密封)选用或安装不当 Unappropriate choice or installation of filler (or mechanical seal)			○	○	○		○	按使用要求重新选用或安装 Rechoice or reinstallation	
转动部分不平衡引起振动 Unbalance rotation to cause vibration				○	○		○	检查原因设法消除 Elimination	
油室量过多(或油过脏) Too much oil(or too dirty oil)			○	○			○	按油位要求计加油(或换新油) Fill oil according to oil level(or replace fresh oil)	
管路或泵内有杂物堵塞 There is impurity to block the pipe line or pump		○	○	○				检查并排除 Check and eliminate	
密封液压力不当 Unappropriate seal liquid pressure				○	○			应按密封腔前的压力, 加大0.049-0.147MPa Add the pressure of 0.049-0.147MPa on the base	
填料压盖过紧或过松 Too tight or loose of filler gland			○	○	○			适当调整之 Adjust	