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The advertisement for Hanthing Water pumps features a blue and white color scheme. On the left is the Hanthing logo, a stylized blue 'S' shape above the word 'Hanthing' in blue. To the right of the logo is a collage of images showing various pump models and components. A large yellow diagonal banner across the center reads 'Water pump'. To the right of the banner, four blue boxes list pump types: 'Inline', 'Split case', 'Multi stage', and 'End suction'. At the bottom, the website 'www.hanthing.com' is displayed in white on a blue background.

Hanthing

Water pump

Inline
Split case
Multi stage
End suction

www.hanthing.com



The advertisement for Exthin Air Compressors features a black and yellow color scheme. On the left is the Exthin logo, a stylized yellow 'X' shape above the word 'Exthin' in yellow. To the right of the logo is a collage of images showing various compressor models and components. A large yellow diagonal banner across the center reads 'Air Compressor'. To the right of the banner, three black boxes list compressor types: 'Portable', 'Screw', and 'Piston'. At the bottom right is a large image of a blue and grey industrial compressor unit. At the top, the website 'www.exthin.com' is displayed in white on a black background.

www.exthin.com

Exthin

Air Compressor

Portable
Screw
Piston

ShangHai HanThing pump Co.,ltd
Website: www.hanthing.com
Address: NO.566, Tongli road, songjiang district, Shanghai, China
Mobile: +86-021-56550238
Email: sales@hanthing.com



国家产品质量免检 | 中国著名品牌

IH/IHH/IHF系列立化工泵

IH/IHH/IH Series Chemical Pump



概述 Overview

IH型化工泵是单级单吸(轴向吸入)悬臂式离心泵，供输送不含固体颗粒、具有腐蚀性、粘度类似于水的液体。其标记、额定性能和尺寸等效采用国际标准ISO2858，具有性能范围广、效率高、“三化”水平高和维修方便等特点，其效率比F型泵平均提高5%，是国家推广的节能型产品。

IH型化工泵输送介质温度为-20℃～105℃，需要时采用冷却措施可输送更高温度的介质，适用于化工、石油、冶金、电力、造纸、食品、制药和合成纤维等行业用于输送各种腐蚀性的或不允许污染的类似于水的介质。

IH model chemical pump is single-stage end-suction (axial suction) cantilever type centrifugal pump, which is used to transport corrosive liquid with viscosity similar to water and without solid particles. The marked and rated performances and dimensions adopt ISO2858 international standard. It has such characteristics as wide range of performance, high efficiency, high mechanical, chemical and physical level and convenient maintenance etc. It is energy saving type product recommended by the nation with its efficiency being 5% greater than that of F model pump.

The temperature of transported media of IH model chemical pump is -20℃～105℃. Through adopting cooling method, it can transport media with higher temperature if necessary, and is applied to transport various corrosive media or media in which pollution is forbidden similar to water in such industries as chemical industry, petroleum, metallurgy, electric power, papermaking, food, pharmacy and synthetic fiber etc.

性能范围 Range of performance

流量：6.3～400m³/h;

扬程：5～125m;

转速：2900r/min和1450r/min;

配带功率：0.55～90kW;

进口直径：50～200mm;

最高工作压力：1.6MPa。

Capacity: 6.3～400m³/h;

Head: 5～125m;

Speed: 2900r/min and 1450r/min;

Power of fitted motor: 0.55～90kW;

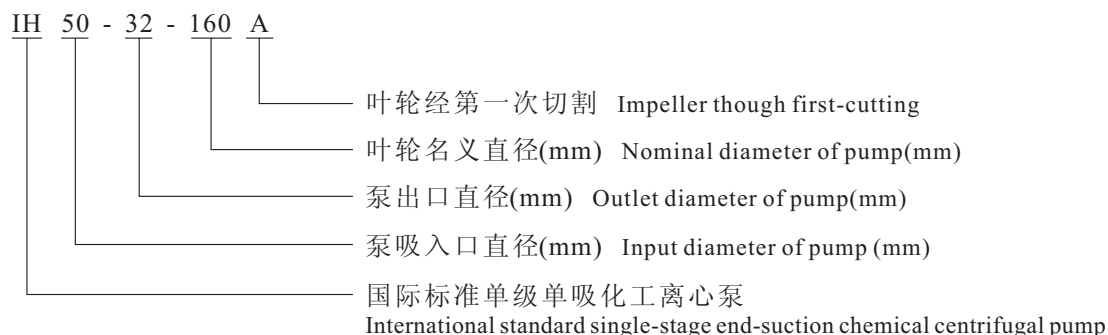
Inlet diameter: 50～200mm;

The highest work pressure: 1.6MPa。

IH型泵有29个基本型，其中22个双速(2900、1450 r/min)经过A、B两种型式的叶轮直径切割变型后，达112个规格。

IH model pumps are classified as 29 basic types, among which, 22 two-speed (2900, 1450r/min) types being transformed after cut by the impeller diameter of A and B models, the total specifications can be 112.

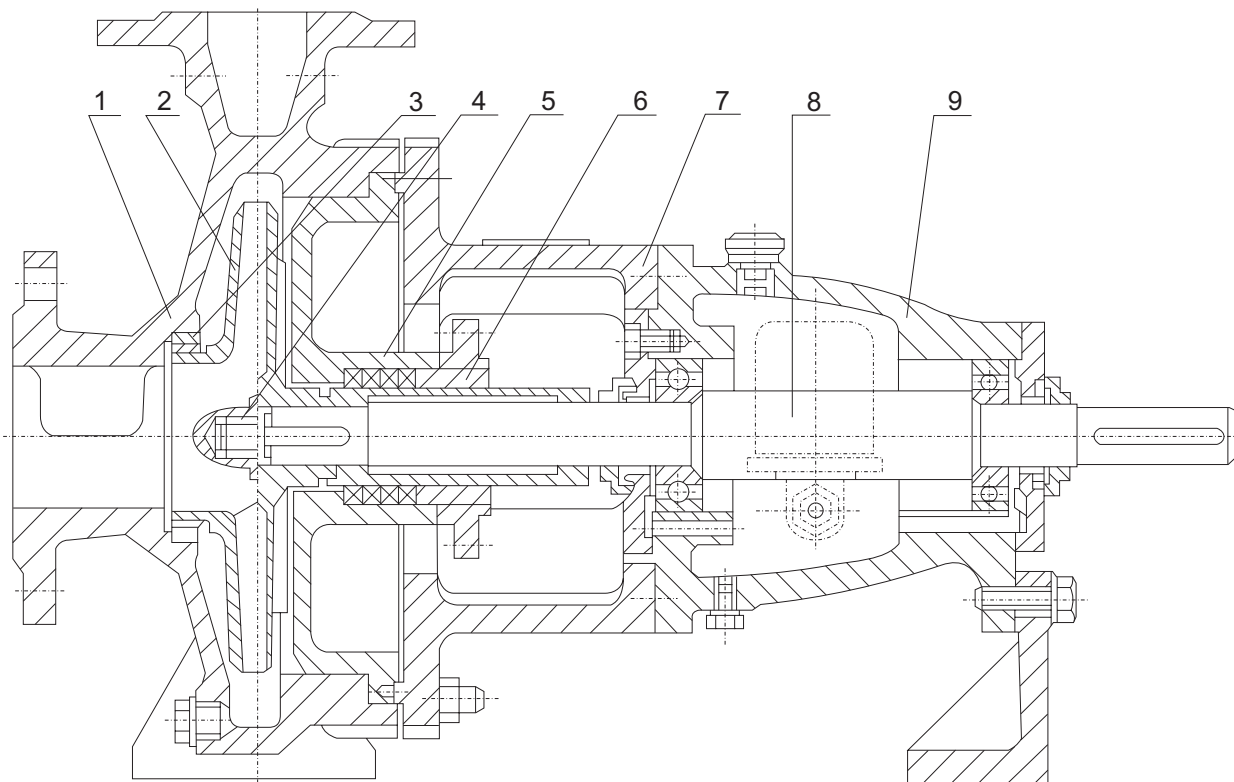
型号意义 Model meaning



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结构简图 Structure drawing



1	泵 体 Pump casing	4	叶轮螺母 Impeller nut	7	中间支架 Mid.bracket
2	叶 轮 Impeller	5	泵 盖 Pump cover	8	轴 shaft
3	密封环 Seal-ring	6	密封部件 Seal part	9	悬架部件 Hanging stand

结构说明 Structures description

- 1、IH型泵是全国行业采用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、泵的结构特点是：泵盖通过止口固定在中间支架上，然后通过泵体与中间支架止口的联接把泵盖夹紧在中间，泵体是轴向吸入，径向排出，脚支承式，可直接固定在底座上。悬架部件通过止口固定在中间支架上，并用悬架支架支撑在底座上。为拆卸方便，设计了加长联轴器，检修时可以不拆卸进出口联接管路、泵体和电动机，只需拆下加长联轴器的中间联接件，即可退出转子部件进行检修。这是国际上通用的一种结构型式。
- 3、泵的旋转方向：泵通过加长联轴器由电动机直接驱动，从电动机端看，按顺时针方向旋转。
- 4、泵的轴封型式：泵的轴封型式有填料密封和机械密封两种。填料密封是泵盖内设有填料函，采用软填料密封，填料函内可通入有一定压力的水，供密封冷却、润滑、清洗用；机械密封有单端面机械密封和双端面机械密封两种型式，密封腔内通入一定压力的水，冲洗磨擦端面，同时起冷却作用。

泵的密封型式采用填料密封或机械密封，由用户根据需要选用。同时根据需要允许采用适合于ISO3069规定的密封空腔尺寸的其他结构的轴封型式，如带波纹管的机械密封和付叶轮密封等等。

1. IH model pumps are the series of products designed according to ISO international standards in all industries in China. It is mainly composed of pump body, impellers, seal rings, impeller nuts, pump cover, seal parts, intermediate support, spindle, suspended parts and so on.
2. Structural features: the pump cover is fixed on the intermediate support, and the pump cover is clamped in the middle by coupling between pump body and intermediate support. On the pump body, water is input axially and output radially. Support feet can be fixed on the base directly. The suspended parts are fixed onto the intermediate support through the rabbet, and are supported onto the base by suspended frame. To make it convenient to disassemble, the prolonged coupling is designed, so that it is unnecessary to disassemble the coupled input & output pipes during check and maintenance. To pump body and motor, only by disassembling the intermediate coupler of the prolonged coupling, users are able to screw out rotor part for check and maintenance, which is a conventional structural pattern in the world.
3. Rotation direction: the pump is driven by motor directly through a prolonged coupling, seen from the side of the motor, it rotates clockwise.
4. Spindle seal patterns: spindle seal patterns of pump are of two types such as stuffing seal and mechanical seal. The stuffing seal is that on stuffing case in pump cover, with soft stuffing for sealing, input water of a certain pressure into the stuffing case, for cooling, lubrication and cleaning on seal; mechanical seal is of two types such as single-surface mechanical seal and double-surface mechanical seal, input water of a certain pressure into the seal chamber, for washing and cooling on the abraded surfaces.

Seal patterns of pump are of stuffing seal or mechanical seal, according to users' requirements, in a same time, seal chamber sizes and shaft gland patterns of other structures according to ISO 3069 as required, are allowed, such as mechanical seals of corrugated pipes, assistant impeller seals and so on.

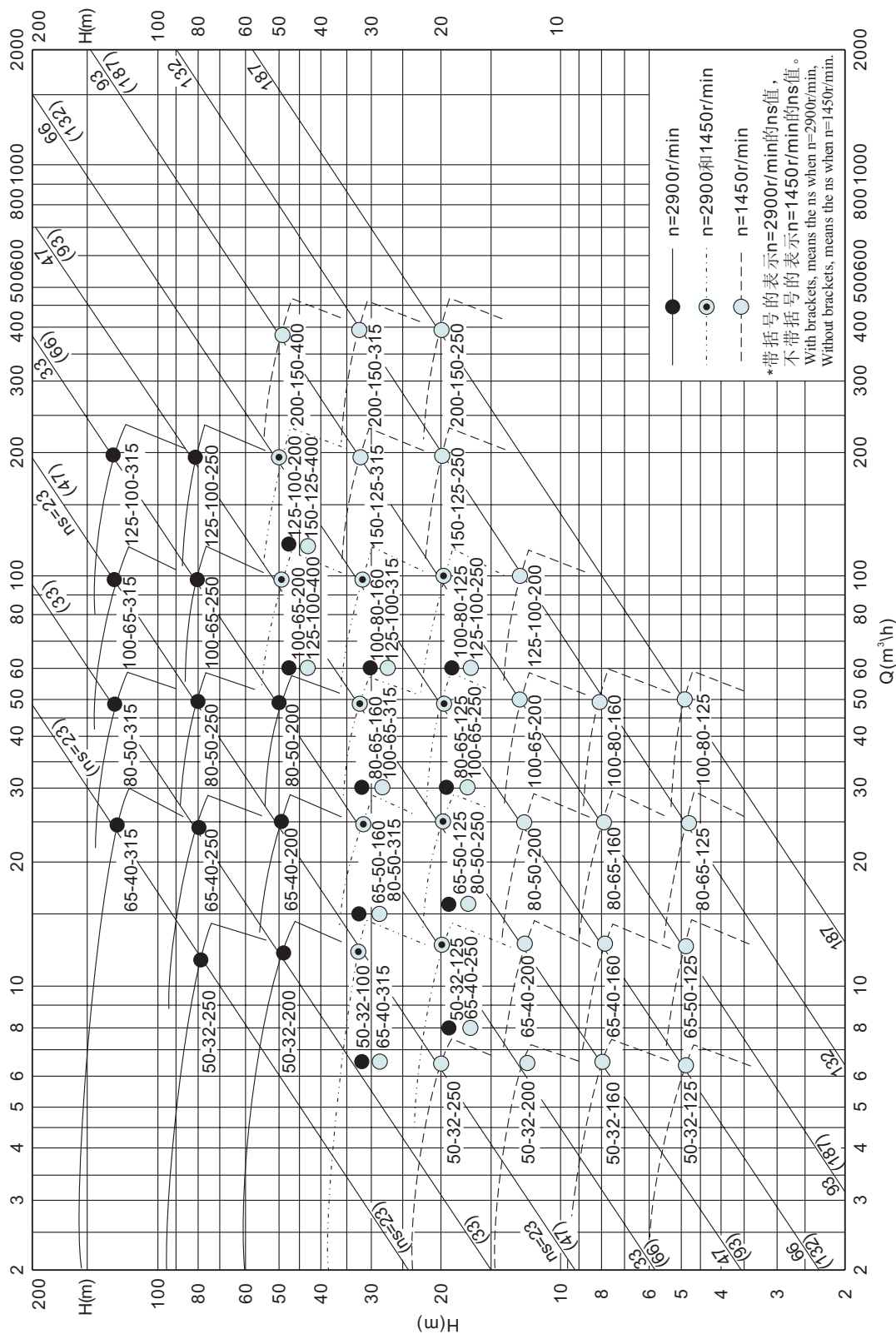
IH型性能参数 IH type pump performance

泵 型 号 pump type	流量Q Capacity		扬程H Head (m)	转速n Speed (r/min)	功率Power(kw)		效率 η Eff. (%)	重量 Weight (Kg)	汽蚀余量 (NPSH)r (m)
	(m³/h)	(L/s)			轴功率 Shaft power	电机功率 Motor power			
IH50-32-125	7.5	2.08	23	2900	1.09	2.2	43	45	2
	12.5	3.47	20		1.33		51		2
	15	4.17	18		1.50		49		2.5
	3.75	1.04	5.75	1450	0.16	0.55	36	45	2
	6.3	1.75	5		0.19		45		2
	7.5	2.08	4.5		0.21		44		2.5
IH50-32-125A	6.8	1.89	18.8	2900	0.87	1.5	40	45	2
	11.3	3.14	16.4		1.01		50		2
	13.6	3.78	14.7		1.16		47		2.5
	3.4	0.94	4.7	1450	0.13	0.55	33.3	45	2
	5.7	1.59	4.1		0.15		43		2
	6.8	1.89	3.7		0.16		42		2.5
IH50-32-160	7.5	2.08	34.5	2900	2.13	3	33	48	2
	12.5	3.47	32		2.37		46		2
	15	4.17	30		2.45		50		2.5
	3.75	1.04	8.6	1450	0.3	0.55	29	48	2
	6.3	1.74	8		0.34		40		2
	7.5	2.08	7.5		0.36		43		2.5
IH50-32-160A	6.8	1.89	28.5	2900	1.76	3	30	48	2
	11.3	3.14	26.4		1.85		44		2
	13.6	3.78	24.8		1.91		48		2.5
	3.4	0.94	7.1	1450	0.25	0.55	25.9	48	2
	5.7	1.58	6.6		0.28		37.1		2
	6.8	1.89	6.2		0.28		41		2.5
IH50-32-200	7.5	2.08	51.8	2900	3.78	5.5	28	58	2
	12.5	3.47	50		4.36		39		2
	15	4.17	48		4.56		43		2.5
	3.75	1.04	12.9	1450	0.57	1.1	23	58	2
	6.3	1.75	12.5		0.65		33		2
	7.5	2.08	12		0.68		36		2.5
IH50-32-200A	6.8	1.89	42.7	2900	3.16	4	25	58	2
	11.3	3.14	41		3.24		38		2
	13.6	3.78	39.5		3.57		41		2.5
	3.4	0.94	10.6	1450	0.49	0.75	20	58	2
	5.7	1.58	10.3		0.52		31		2
	6.8	1.89	9.9		0.54		34		2.5
IH50-32-250	7.5	2.08	82	2900	7.28	11	23	92	2
	12.5	3.47	80		8.25		33		2
	15	4.17	78.5		8.79		36.5		2.5
	3.75	1.04	20.5	1450	1.23	2.2	17	92	2
	6.3	1.75	20		1.27		27		2
	7.5	2.08	19.6		1.29		31		2.5
IH50-32-250A	7	1.94	71.9	2900	6.84	11	20	92	2
	11.7	3.25	70		6.97		32		2
	14	3.89	68.8		7.71		34		2.5
	3.51	0.98	18	1450	1.12	1.5	15.4	92	2
	5.9	1.64	17.5		1.25		25		2
	7.02	1.95	17.2		1.18		27.9		2.5
IH50-32-250B	6.6	1.83	63.6	2900	5.71	7.5	20	92	2
	11	3.06	62		6.19		30		2
	13.2	3.67	60.9		6.64		33		2.5
IH65-50-125	15	4.17	21.3	2900	1.85	3	47	46	2
	25	6.94	20		2.2		62		2
	30	8.33	18.6		2.41		63		2.5
	7.5	2.08	5.4	1450	0.25	0.55	44	46	2
	12.5	3.47	5		0.31		55		2
	15	4.17	4.5		0.33		56		2.5

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

Note: The spindle powers listed above is as the powers calculated with water as its medium, motors of various powers can be used according to gravity and viscosity of users' various media transferred.

型谱图 Atlas of style



IH型性能参数 IH type pump performance

泵 型 号 pump type	流量Q Capacity		扬程H Head (m)	转速n Speed (r/min)	功率Power(kw)		效率 η Eff. (%)	重量 Weight (Kg)	汽蚀余量 (NPSH)r (m)
	(m³/h)	(L/s)			轴功率 Shaft power	电机功率 Motor power			
IH65-40-315A	7	1.94	28.4	1450	2.46	4	19	115	2
	11.7	3.25	28		2.71		31		2
	14	3.89	27.8		2.87		34		2.5
IH65-40-315B	13.2	3.67	98	2900	14.69	22	24	115	2
	22	6.11	96.5		15.63		37		2
	26.4	7.33	95.9		17.67		39		2.5
IH80-65-125	30	8.33	23.2	2900	3.16	5.5	60	51	2
	50	13.89	20		3.95		69		2
	60	16.67	17.6		4.29		67		2.5
	15	4.17	5.8	1450	0.44	0.75	54	51	2
	25	6.94	5		0.53		64		2
	30	8.33	4.4		0.58		62		2.5
IH80-65-125A	27.2	7.56	19.1	2900	2.48	4	57	51	2
	45.3	12.58	16.5		3.04		67		2
	54.4	15.11	14.5		3.36		64		2.5
	13.6	3.78	4.8	1450	0.35	0.55	51	51	2
	22.6	6.28	4.1		0.41		62		2
	27.2	7.56	3.6		0.45		59		2.5
IH80-65-160	30	8.33	36	2900	5.16	11	57	56	2
	50	13.89	32		6.51		67		2
	60	16.67	28.4		7.14		65		2.5
	15	4.17	9	1450	0.74	1.5	50	56	2
	25	6.94	8		0.88		62		2
	30	8.33	7.2		0.95		62		2.5
IH80-65-160A	27.2	7.56	29.7	2900	4.08	7.5	54	56	2
	45.4	12.61	26.4		5.02		65		2
	54.4	15.11	23.4		5.59		62		2.5
	13.6	3.78	7.4	1450	0.58	1.1	47.3	56	2
	22.7	6.31	6.6		0.68		60		2
	27.2	7.56	5.9		0.74		59		2.5
IH80-50-200	30	8.33	55.2	2900	8.51	15	53	64	2
	50	13.89	50		10.81		63		2
	60	16.67	45.2		11.92		62		2.5
	15	4.17	13.5	1450	1.25	2.2	44	64	2
	25	6.94	12.5		1.49		57		2
	30	8.33	11.5		1.62		58		2.5
IH80-50-200A	27.2	7.56	45.4	2900	6.73	11	50	64	2
	45.3	12.58	41		8.29		61		2
	54.4	15.11	37.2		9.35		59		2.5
	13.6	3.78	11.1	1450	1	2.2	41	64	2
	22.7	6.31	10.3		1.14		56.1		2
	27.2	7.56	9.5		1.28		55		2.5
IH80-50-250	30	8.33	84	2900	16	30	43	102	2
	50	13.89	80		20.57		53		2
	60	16.67	75		22.71		54		2.5
	15	4.17	21	1450	2.15	5.5	40	102	2
	25	6.94	20		2.72		50		2
	30	8.33	18.8		3.01		51		2.5
IH80-50-250A	27.2	7.56	69	2900	12.18	22	42	102	2
	45.3	12.58	65.7		15.61		52		2
	54.4	15.11	61.6		17.57		52		2.5
	13.6	3.78	17.3	1450	1.6	3	40	102	2
	22.7	6.31	16.4		2.07		49		2
	27.2	7.56	15.4		2.28		50		2.5

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

Note: The spindle powers listed above is as the powers calculated with water as its medium, motors of various powers can be used according to gravity and viscosity of users' various media transferred.

IH型性能参数 IH type pump performance

泵 型 号 pump type	流量Q Capacity		扬程H Head (m)	转速n Speed (r/min)	功率Power(kw)		效率 η Eff. (%)	重量 Weight (Kg)	汽蚀余量 (NPSH)r (m)
	(m³/h)	(L/s)			轴功率 Shaft power	电机功率 Motor power			
IH65-50-125A	13.6 22.7 27.3	3.78 6.31 7.58	17.6 16.5 15.4	2900	1.48 1.67 1.91	2.2	44 61 59.9	46	2 2 2.5
	6.8 11.3 13.6	1.89 3.14 3.78	4.5 4.1 3.7	1450	0.20 0.23 0.26	0.55	41 54 53	46	2 2 2.5
IH65-50-160	15 25 30	4.17 6.94 8.33	34.2 32 30	2900	3.18 3.82 4.15	5.5	44 57 59	52	2 2 2.5
	7.5 12.5 15	2.08 3.47 4.17	8.55 8 7.5	1450	0.45 0.53 0.58	0.75	39 51 52.5	52	2 2 2.5
IH65-50-160A	13.6 22.7 27.3	3.78 6.31 7.58	28.4 26.5 24.8	2900	2.56 2.93 3.29	4	41 56 56	52	2 2 2.5
	6.8 11.3 13.6	1.89 3.14 3.78	7.09 6.6 6.2	1450	0.37 0.41 0.46	0.55	35.5 49.6 49.9	52	2 2 2.5
IH65-40-200	15 25 30	4.17 6.94 8.33	53.2 50 47.6	2900	5.3 6.55 7.27	11	41 52 53.5	62	2 2 2.5
	7.5 12.5 15	2.08 3.47 4.17	13.3 12.5 11.9	1450	0.78 0.93 1.02	1.5	35 46 47.5	62	2 2 2.5
IH65-40-200A	13.6 22.7 27.3	3.78 6.31 7.58	43.9 41 39.3	2900	4.28 5.07 5.73	7.5	38 50 51	62	2 2 2.5
	6.8 11.3 13.6	1.89 3.14 3.78	11 10.3 9.8	1450	0.64 0.72 0.81	1.1	31.8 44 44.8	62	2 2 2.5
IH65-40-250	15 25 30	4.17 6.94 8.33	81.2 80 78.4	2900	9.76 11.84 12.8	15	34 46 50	98	2 2 2.5
	7.5 12.5 15	2.08 3.47 4.17	20.3 20 19.6	1450	1.48 1.75 1.86	3	28 39 43	98	2 2 2.5
IH65-40-250A	14 23.4 28	3.89 6.5 7.78	71 74.8 68.6	2900	8.73 10.6 11.13	15	31 45 47	98	2 2 2.5
	7 11.7 14	1.94 3.25 3.89	17.8 17.5 17.2	1450	1.35 1.47 1.64	2.2	25 37.9 40	98	2 2 2.5
IH65-40-250B	13.2 22 26.4	3.67 6.11 7.33	62.8 61.8 53	2900	7.29 8.42 8.45	11	31 44 45	98	2 2 2.5
IH65-40-315	15 25 30	4.17 6.94 8.33	126.8 125 124	2900	18.51 21.8 23.85	30	28 39 42.5	115	2 2 2.5
	7.5 12.5 15	2.08 3.47 4.17	32.4 32 31.7	1450	3.03 3.3 3.5	5.5	22 33 37	115	2 2 2.5
IH65-40-315A	14 23.4 28	3.89 6.5 7.78	111.2 109.5 108.8	2900	16.97 18.36 20.75	30	25 38 40	115	2 2 2.5

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

Note: The spindle powers listed above is as the powers calculated with water as its medium, motors of various powers can be used according to gravity and viscosity of users' various media transferred.

IH型性能参数 IH type pump performance

泵 型 号 pump type	流量Q Capacity		扬程H Head (m)	转速n Speed (r/min)	功率Power(kw)		效率 η Eff. (%)	重量 Weight (Kg)	汽蚀余量 (NPSH)r (m)
	(m³/h)	(L/s)			轴功率 Shaft power	电机功率 Motor power			
IH100-65-250A	28	7.79	19.2	1450	3.12	5.5	47	114	2.5
	45.5	12.64	17.4		3.53		61		2.5
	56	15.56	16.2		4.06		60.9		3
IH100-65-250B	52.7	14.64	67.9	2900	18.29	30	53.3	114	3
	87.8	24.39	61.7		23.1		64		3.6
	105.4	29.28	57		26.03		62.9		4.5
IH100-65-315	60	16.67	132	2900	44.96	75	48	165	2.8
	100	27.78	125		54.94		62		3.2
	120	33.33	119		60.8		64		4.2
IH100-65-315A	30	8.33	33.5	1450	6.22	11	44	165	2
	50	13.89	32		7.52		58		2
	60	16.67	30.5		8.31		60		2.5
IH100-65-315A	56.1	15.58	115.5	2900	39.2	75	45	165	2.8
	93.5	25.97	109		45.53		61		3.2
	112.2	31.17	104		52.13		61		4.2
IH100-65-315B	28	7.789	29.3	1450	5.46	11	41	165	2
	46.5	12.92	28		6.33		56		2
	56	15.56	26.7		7.15		57		2.5
IH100-65-315B	52.7	14.64	102	2900	33.29	55	44	165	2.8
	88	24.44	97		38.77		60		3.2
	105.4	29.28	92		44.04		60		4.2
IH125-100-200	120	33.33	61	2900	29.33	45	68	98	4.5
	200	55.56	50		35.39		77		5
	240	66.67	41		38.3		70		5.8
IH125-100-200A	60	16.67	15.25	1450	3.89	7.5	64	98	2.5
	100	27.78	12.5		4.66		73		2.9
	120	33.33	10.25		5.08		66		3.6
IH125-100-200A	109.1	30.31	50.5	2900	23.13	37	64.9	98	4.5
	182	50.56	41.4		27.38		75		5
	218.2	60.61	34		30.13		67.1		5.8
IH125-100-200A	54.7	15.19	12.6	1450	3.08	5.5	61	98	2.5
	91	25.28	10.3		3.6		71		2.9
	109.4	30.39	8.5		4.02		63		3.6
IH125-100-250	120	33.33	90	2900	47.48	75	62	150	3.7
	200	55.56	80		58.13		75		4.5
	240	66.67	73		64.52		74		5.5
IH125-100-250A	60	16.67	22.5	1450	6.23	11	59	150	2
	100	27.78	20		7.56		72		2.3
	120	33.33	18.25		8.4		71		3
IH125-100-250A	112	31.11	78	2900	40.35	75	59	150	3.7
	186.5	51.81	69.5		48.35		73		4.5
	224	62.22	63.5		54.59		71		5.5
IH125-100-250A	56	15.56	19.5	1450	5.31	11	56	150	2
	93	25.83	17.4		6.29		70		2.3
	112	31.11	15.9		7.13		68		3
IH125-100-250B	105.5	29.31	69	2900	34.2	55	58	150	3.7
	175.5	48.75	61.5		41.42		71		4.5
	211	58.61	56		46.06		69.9		5.5
IH125-100-315	120	33.3	132.5	2900	82.37	110	52.6	165	4
	200	55.6	125		94.62		72		4.5
	240	66.7	120		104.64		75		5
IH125-100-315A	60	16.7	33.5	1450	10.33	22	53	165	2.5
	100	27.8	32		13.42		65		2.5
	120	33.3	30.5		15.11		66		3
IH125-100-315A	112	31.1	115.2	2900	67.63	90	52	165	4
	186.5	51.81	108.7		77.81		71		4.5
	224	62.22	104.3		88.42		72		5

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

Note: The spindle powers listed above is as the powers calculated with water as its medium, motors of various powers can be used according to gravity and viscosity of users' various media transferred.

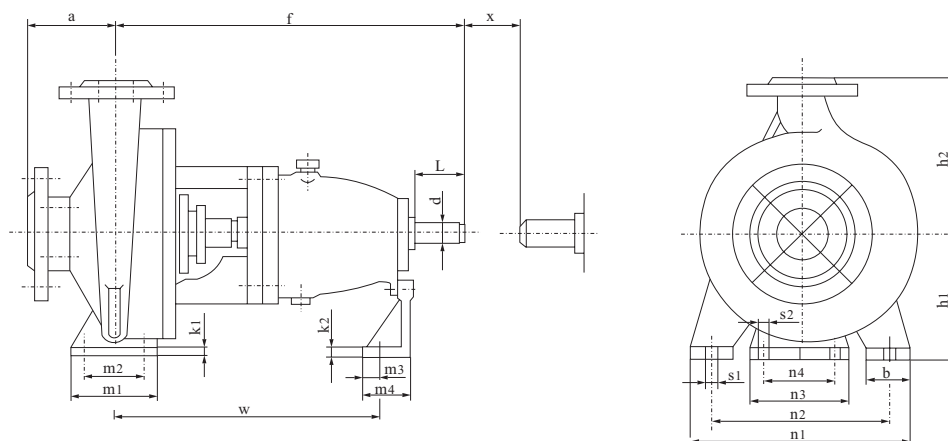
IH型性能参数 IH type pump performance

泵 型 号 pump type	流量Q Capacity		扬程H Head (m)	转速n Speed (r/min)	功率Power(kw)		效率 η Eff. (%)	重量 Weight (Kg)	汽蚀余量 (NPSH)r (m)
	(m³/h)	(L/s)			轴功率 Shaft power	电机功率 Motor power			
IH80-50-315	30 50 60	8.33 13.89 16.67	128 125 123	2900	27.54 34.1 37.94	45	38 50 53	110	2 2 2.5
	15 25 30	4.17 6.94 8.33	32.5 32 31.5	1450	3.59 4.54 4.94	7.5	37 48 52	110	2 2 2.5
IH80-50-315A	27.2 45.3 54.4	7.56 12.58 15.11	105 102.6 101	2900	21 26.4 29.94	37	37 48 50	110	2 2 2.5
	13.6 22.7 27.2	3.78 6.31 7.56	26.3 25.7 25.2	1450	2.71 3.46 3.74	5.5	36 46 50	110	2 2 2.5
IH100-80-125	60 100 120	16.67 27.78 33.33	23.7 20 16.3	2900	5.96 7.47 7.72	11	65 73 69	56	3 4.2 4.8
	30 50 60	8.33 13.89 16.67	5.7 5 4.1	1450	0.8 0.99 0.99	1.5	58 69 68	56	3 3.4 3.7
IH100-80-125A	55 91.8 109	15.28 25.5 30.28	19.4 16.8 13.7	2900	4.68 5.92 6.07	7.5	62 71 67	56	3 4.2 4.8
	27.5 45.9 54.5	7.64 12.75 15.13	5 4.2 3.4	1450	0.67 0.78 0.78	1.1	56 67 65	56	3 3.4 3.7
IH100-80-160	60 100 120	16.67 27.78 33.33	37 32 28	2900	10.1 11.9 12.54	15	60 73 73	86	3.8 4.3 5
	30 50 60	8.33 13.89 16.67	9.25 8 7	1450	1.3 1.58 1.68	2.2	58 69 68	86	3 3.4 3.7
IH100-80-160A	54.6 91 109.2	15.17 25.28 30.33	30.6 26.5 23.2	2900	7.98 9.25 9.85	15	57 71 70.4	86	3.8 4.3 5
	27.3 45.5 54.6	7.58 12.64 15.17	7.66 6.6 5.8	1450	1.03 1.22 1.32	1.5	55.3 67 65.3	86	3 3.4 3.7
IH100-65-200	60 100 120	16.67 27.78 33.33	56 50 44	2900	14.53 18.92 20.26	22	63 72 71	95	3.4 3.9 5.2
	30 50 60	8.33 13.89 16.67	14 12.5 11	1450	1.91 2.5 2.85	3	60 68 63	95	2.5 2.5 3
IH100-65-200A	54.6 91 109.2	15.17 25.28 30.33	46.5 41.5 36.6	2900	11.51 14.7 16	18.5	60.1 70 68	95	3.4 3.9 5.2
	27.3 45.5 54.6	7.58 12.64 15.17	11.6 10.3 9.1	1450	1.51 1.93 2.25	3	57 66 60.1	95	2.5 2.5 3
IH100-65-250	60 100 120	16.67 27.78 33.33	88 80 74	2900	25.24 32.06 36.12	37	57 68 67	114	3 3.6 4.5
	30 50 60	8.33 13.89 16.67	22 20 18.5	1450	3.63 4.33 4.73	5.5	50 63 64	114	2.5 2.5 3
IH100-65-250A	56.1 93.5 112.2	15.58 25.97 31.17	77 70 64.7	2900	21.8 27.44 30.91	37	54 65 64	114	3 3.6 4.5

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

Note: The spindle powers listed above is as the powers calculated with water as its medium, motors of various powers can be used according to gravity and viscosity of users' various media transferred.

外形尺寸图 Dimension diagram



外形尺寸表 Dimension table

产品型号 Type	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
IH50-32-125	80	385	112	140	50	100	70	19	60	190	140	145	110	12	10	285	φ14	φ14	24	50	100
IH50-32-160	80	385	132	160	50	100	70	19	60	240	190	145	110	12	10	285	φ14	φ14	24	50	100
IH50-32-200	80	385	160	180	50	100	70	19	60	240	190	145	110	12	10	285	φ14	φ14	24	50	100
IH50-32-250	100	500	180	225	65	125	95	25	65	320	250	145	110	16	14	370	φ14	φ14	32	80	100
IH65-32-125	80	385	112	140	50	100	70	19	60	210	160	145	110	12	10	285	φ14	φ14	24	50	100
IH65-50-160	80	385	132	160	50	100	70	19	60	240	190	145	110	12	10	285	φ14	φ14	24	50	100
IH65-40-200	100	385	160	180	50	100	70	19	60	265	212	145	110	12	10	285	φ14	φ14	24	50	100
IH65-40-250	100	500	180	225	65	125	95	25	65	320	250	145	110	16	14	370	φ14	φ14	32	80	100
IH65-40-315	125	500	200	250	65	125	95	25	65	345	280	145	110	16	14	370	φ14	φ14	32	80	100
IH80-65-125	100	385	132	160	50	100	70	19	60	240	190	145	110	12	10	285	φ14	φ14	24	50	100
IH80-65-160	100	385	160	180	50	100	70	19	60	265	212	145	110	12	10	285	φ14	φ14	24	50	100
IH80-50-200	100	385	160	200	50	100	70	19	60	265	212	145	110	12	10	285	φ14	φ14	24	50	100
IH80-50-250	125	500	180	225	65	125	95	25	65	320	250	145	110	16	14	370	φ14	φ14	32	80	100
IH80-50-315	125	500	225	280	65	125	95	25	65	345	280	145	110	16	14	370	φ14	φ14	32	80	100
IH100-80-125	100	385	160	180	65	125	95	19	60	280	212	145	110	12	10	285	φ14	φ14	24	50	100
IH100-80-160	100	500	160	200	65	125	95	24	60	280	212	145	110	16	10	370	φ14	φ14	32	80	100
IH100-65-200	100	500	180	225	65	125	95	25	65	320	250	145	110	16	14	370	φ18	φ14	32	80	140
IH100-65-250	125	500	200	250	80	160	120	25	65	360	280	145	110	16	14	370	φ18	φ14	32	80	140
IH100-65-315	125	530	225	280	80	160	120	28	65	400	315	145	110	16	14	370	φ18	φ14	32	80	140
IH125-100-200	125	500	200	280	80	160	120	25	65	360	280	145	110	16	14	370	φ18	φ14	42	80	140
IH125-100-250	140	530	225	280	80	160	120	28	65	400	315	145	110	20	14	370	φ18	φ14	42	110	140
IH125-100-315	140	530	250	315	80	160	120	28	65	400	315	145	110	20	14	370	φ18	φ14	42	110	140
IH125-100-400	140	530	280	355	100	200	150	28	65	500	400	145	110	20	14	370	φ22	φ14	42	110	140
IH150-125-250	140	530	250	355	80	160	120	28	65	400	315	145	110	20	14	370	φ18	φ14	42	110	140
IH150-125-315	140	530	280	355	100	200	150	28	65	500	400	145	110	20	14	370	φ22	φ14	42	110	140
IH150-125-400	140	530	315	400	100	200	150	28	65	500	400	145	110	20	14	370	φ22	φ14	42	110	140
IH200-150-250	160	530	280	275	100	200	150	28	65	500	400	145	110	20	14	370	φ22	φ14	42	110	180
IH200-150-315	160	650	315	400	100	200	150	38	80	550	450	200	110	20	30	500	φ22	φ18	48	110	180
IH200-150-400	160	650	315	450	100	200	150	38	80	550	450	200	110	20	30	500	φ22	φ18	48	110	180

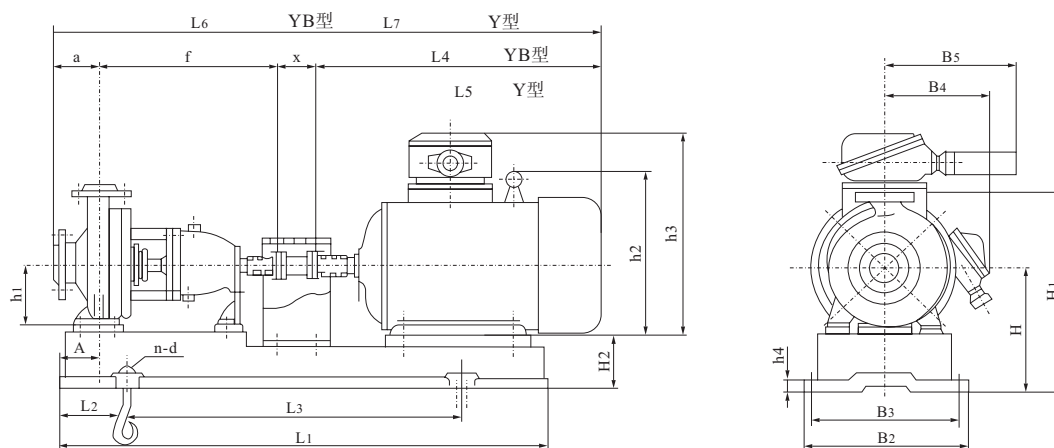
IH型性能参数 IH type pump performance

泵 型 号 pump type	流量Q Capacity		扬程H Head (m)	转速n Speed (r/min)	功率Power(kw)		效率 η Eff. (%)	重量 Weight (Kg)	汽蚀余量 (NPSH)r (m)
	(m³/h)	(L/s)			轴功率 Shaft power	电机功率 Motor power			
IH125-100-315A	56 93 112	15.56 25.83 31.11	28.8 27.2 26.1	1450	8.45 10.77 12.25	15	52 64 65	165	2.5 2.5 3
IH125-100-400	60 100 120	16.67 27.78 33.33	52 50 48.5	1450	17.71 24.77 25.58	30	48 55 62	210	2.5 2.5 3
IH125-100-400A	56 93 112	15.56 25.83 31.11	45 43.2 41.9	1450	15.97 20.27 21.31	30	43 54 60	210	2.5 2.5 3
IH150-125-250	120 200 240	33.33 55.56 66.67	24.8 20 15	1450	12.29 14.16 14.43	18.5	66 77 68	164	2.5 2.8 3.5
IH150-125-250A	109.1 182 218.2	30.28 50.56 60.61	20.5 16.5 12.4	1450	9.75 10.91 11.31	15	62.5 75 65.2	164	2.5 2.8 3.5
IH150-125-315	120 200 240	33.33 55.56 66.67	36.3 32 28.5	1450	18.84 23.25 25.89	30	63 75 72	195	2.5 2.8 3.8
IH150-125-315A	109.1 182 218.2	30.28 50.56 60.61	30 25.5 23.5	1450	14.85 17.32 20.23	22	60 73 69	195	2.5 2.8 3.8
IH150-125-315B	99 165 198	27.5 45.83 55	24.7 22 19.4	1450	11.29 13.74 15.17	18.5	59 72 69	195	2.5 2.8 3.8
IH150-125-400	120 200 240	33.33 55.56 66.67	57.5 50 44	1450	30.82 38.93 45.68	55	61 70 63	237	2 2.5 3
IH150-125-400A	109.1 182 218.2	30.28 50.56 60.61	47.5 41 36.5	1450	24.35 29.94 36.17	37	58 68 60	237	2 2.5 3
IH150-125-400B	99 165 198	27.5 45.83 55	39.1 34 29.9	1450	18.51 22.82 27.81	30	57 67 58	237	2 2.5 3
IH200-150-250	240 400 460	66.67 111.11 127.78	23 20 18	1450	21.49 27.59 28.2	37	70 79 80	194	2.5 2.8 3
IH200-150-250A	218.2 363 418	60.61 100.83 116.1	18.9 16.5 14.8	1450	16.77 20.66 21.61	30	67 79 78	194	2.5 2.8 3
IH200-150-315	240 400 460	66.67 111.11 127.78	35.6 32 29.4	1450	34.75 44.15 47.86	55	67 79 77	268	3 3.5 4
IH200-150-315A	218.2 363 418	60.61 100.84 116.11	29.4 25.5 24.3	1450	27.31 32.76 37.4	45	64 77 74	268	3 3.5 4
IH200-150-315B	197.7 329 378.8	54.92 91.39 105.22	24.1 21.6 19.7	1450	20.61 25.48 27.86	37	63 76 73	268	3 3.5 4
IH200-150-400	240 400 460	66.67 111.11 127.78	55.8 50 47	1450	54.47 69.87 78.55	90	67 78 75	289	3 3.5 4
IH200-150-400A	218.2 363 418	60.61 100.83 116.11	46 41 38.8	1450	42.74 53.36 61.38	75	64 76 72	289	3 3.5 4
IH200-150-400B	197.7 329 378.8	54.92 91.39 105.22	37.7 33.8 31.8	1450	32.24 40.4 46.23	55	63 75 71	289	3 3.5 4

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

Note: The spindle powers listed above is as the powers calculated with water as its medium, motors of various powers can be used according to gravity and viscosity of users' various media transferred.

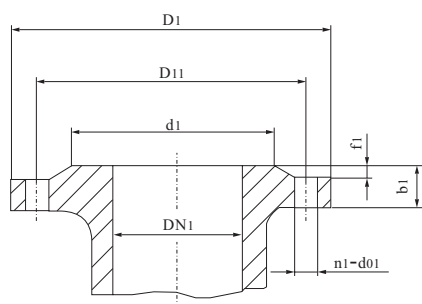
安装外形图 Installation and outline figures



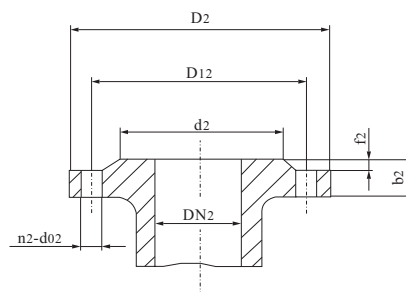
安装尺寸表 Installation dimension

产品型号 Type	电机型号/功率 Motor type/power (kW)	外形及安装尺寸 Outline and installation dimension																						
		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
IH50-32-125	YB801-4/0.55	80	820	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	80	820	150	540	330	290	80	385	100	895	855	360	320	150	225	112	175	340	25	197	337	117	4-φ19
	YB90S-2/1.5	80	820	150	540	360	315	80	385	100	925	880	360	320	160	225	112	195	355	25	197	337	107	4-φ19
	YB90L-2/2.2	80	920	170	600	385	340	80	385	100	950	925	390	350	155	225	112	195	355	30	197	337	107	4-φ19
	YB100L-2/3.0	80	920	170	600	430	380	80	385	100	995	945	390	350	180	225	112	245	380	30	197	337	97	4-φ19
IH50-32-160	YB801-4/0.55	80	820	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	80	820	150	540	330	290	80	385	100	895	855	360	320	150	225	132	175	340	25	217	377	137	4-φ19
	YB90S-4/1.1	80	820	150	540	360	315	80	385	100	925	880	360	320	160	225	132	195	355	25	217	377	127	4-φ19
	YB90L-2/2.2	80	920	170	600	385	340	80	385	100	950	925	390	350	155	225	132	195	355	30	217	377	127	4-φ19
	YB100L-2/3	80	920	170	600	430	380	80	385	100	995	945	390	350	180	225	132	245	380	30	217	377	117	4-φ19
	YB112M-2/4	80	920	170	600	460	400	80	385	100	1025	965	390	350	190	225	132	245	380	30	217	377	105	4-φ19
	YB132S1-2/5.5	80	1020	190	660	510	475	80	385	100	1075	1040	450	400	210	240	132	315	470	30	217	377	85	4-φ24
IH50-32-200	YB801-4/0.55	80	820	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	80	820	150	540	330	290	80	385	100	895	855	360	320	150	225	160	175	340	25	245	425	165	4-φ19
	YB90S-4/1.1	80	820	150	540	360	315	80	385	100	925	880	360	320	160	225	160	195	355	25	245	425	155	4-φ19
	YB90L-4/1.5	80	920	170	600	385	340	80	385	100	950	925	390	350	160	225	160	195	355	30	245	425	155	4-φ19
	YB112M-2/4	80	920	170	600	460	400	80	385	100	1025	965	390	350	190	225	160	265	400	30	245	425	133	4-φ19
	YB132S1-2/5.5	80	1020	190	660	510	475	80	385	100	1075	1040	450	400	210	240	160	315	470	30	245	440	113	4-φ24
	YB132S2-2/7.5	80	1020	190	660	510	475	80	385	100	1075	1040	450	400	210	240	160	315	470	30	245	440	113	4-φ24
	YB160M1-2/11	80	1140	210	740	655	605	80	385	100	1220	1170	490	440	255	240	160	385	530	30	260	440	80	4-φ24
IH50-32-250	YB90S-4/1.1	95	1020	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	95	1020	190	660	385	340	100	500	100	1085	1040	450	400	160	225	180	195	355	30	265	490	175	4-φ24
	YB100L1-4/2.2	95	1020	190	660	430	380	100	500	100	1130	1080	450	400	180	225	180	245	380	30	265	490	165	4-φ24
	YB100L2-4/3	95	1020	190	660	430	380	100	500	100	1130	1080	450	400	180	225	180	245	380	30	265	490	165	4-φ24
	YB132S2-2/7.5	95	1140	210	740	510	475	100	500	100	1210	1175	490	440	210	240	180	315	470	30	280	505	148	4-φ24
	YB160M1-2/11	95	1270	225	840	655	605	100	500	100	1355	1305	540	490	265	240	180	385	530	30	300	525	140	4-φ24
	YB160M2-2/15	95	1270	225	840	655	605	100	500	100	1355	1305	540	490	265	240	180	385	530	30	300	525	140	4-φ24
	YB160L-2/18.5	95	1270	225	840	695	650	100	500	100	1395	1350	540	490	265	240	180	385	530	30	300	525	140	4-φ24
	YB180M-2/22	95	1270	225	840	730	670	100	500	100	1430	1370	540	490	285	240	180	430	565	30	300	525	120	4-φ24
IH65-50-125	YB801-4/0.55	80	820	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	80	820	150	540	330	290	80	385	100	895	855	360	320	150	225	112	175	340	25	197	337	117	4-φ19
	YB90L-2/2.2	80	920	170	600	385	340	80	385	100	950	925	390	350	160	225	112	195	355	30	197	337	107	4-φ19

进出口法兰示意图 Input & output flange diagram



吸入口法兰
Input flange



吐出口法兰
Output flange

进出口法兰尺寸表 Input & output flange size table

产品型号 Type	吸入口法兰尺寸 Input flange size							吐出口法兰尺寸 Output flange size						
	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
IH50-32-125	50	165	125	99	20	3	4-17.5	32	140	100	76	18	2	4-17.5
IH50-32-160	50	165	125	99	20	3	4-17.5	32	140	100	76	18	2	4-17.5
IH50-32-200	50	165	125	99	20	3	4-17.5	32	140	100	76	18	2	4-17.5
IH50-32-250	50	165	125	99	20	3	4-17.5	32	140	100	76	18	2	4-17.5
IH65-50-125	65	185	145	118	20	3	4-17.5	50	165	125	99	20	3	4-17.5
IH65-50-160	65	185	145	118	20	3	4-17.5	50	165	125	99	20	3	4-17.5
IH65-40-200	65	185	145	118	20	3	4-17.5	40	150	110	84	18	3	4-17.5
IH65-40-250	65	185	145	118	20	3	4-17.5	40	150	110	84	18	3	4-17.5
IH65-40-315	65	185	145	118	20	3	4-17.5	40	150	110	84	18	3	4-17.5
IH80-65-125	80	200	160	132	20	3	8-17.5	65	185	145	118	20	3	4-17.5
IH80-65-160	80	200	160	132	20	3	8-17.5	65	185	145	118	20	3	4-17.5
IH80-50-200	80	200	160	132	20	3	8-17.5	50	165	125	99	20	3	4-17.5
IH80-50-250	80	200	160	132	20	3	8-17.5	50	165	125	99	20	3	4-17.5
IH80-50-315	80	200	160	132	20	3	8-17.5	50	165	125	99	20	3	4-17.5
IH100-80-125	100	220	180	156	22	3	8-17.5	80	200	160	132	20	3	8-17.5
IH100-80-160	100	220	180	156	22	3	8-17.5	80	200	160	132	20	3	8-17.5
IH100-65-200	100	220	180	156	22	3	8-17.5	65	185	145	118	20	3	4-17.5
IH100-65-250	100	220	180	156	22	3	8-17.5	65	185	145	118	20	3	4-17.5
IH100-65-315	100	220	180	156	22	3	8-17.5	65	185	145	118	20	3	4-17.5
IH125-100-200	125	250	210	184	22	3	8-17.5	100	220	180	156	22	3	8-17.5
IH125-100-250	125	250	210	184	22	3	8-17.5	100	220	180	156	22	3	8-17.5
IH125-100-315	125	250	210	184	22	3	8-17.5	100	220	180	156	22	3	8-17.5
IH125-100-400	125	250	210	184	22	3	8-17.5	100	220	180	156	22	3	8-17.5
IH150-125-250	150	285	240	211	24	3	8-22	125	250	210	184	22	3	8-17.5
IH150-125-315	150	285	240	211	24	3	8-22	125	250	210	184	22	3	8-17.5
IH150-125-400	150	285	240	211	24	3	8-22	125	250	210	184	22	3	8-17.5
IH200-150-250	200	340	295	266	24	3	12-22	150	285	240	211	24	3	8-22
IH200-150-315	200	340	295	266	24	3	12-22	150	285	240	211	24	3	8-22
IH200-150-400	200	340	295	266	24	3	12-22	150	285	240	211	24	3	8-22

安装尺寸表 Installation dimension

泵 型 号 pump type	电机型号/功率 Motor type/power (kW)	外 形 及 安 装 尺 寸 Outline and installation dimension																							
		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	
IH80-65-160	YB90L-4/1.5	80	920	170	600	385	340	100	385	100	970	925	390	350	160	225	160	195	355	30	245	425	155	4-φ 19	
	YB100L ₁ -4/2.2	80	920	170	600	430	380	100	385	100	1015	965	390	350	180	225	160	245	380	30	245	425	145	4-φ 19	
	YB132S ₁ -2/5.5	80	1020	190	660	510	475	100	385	100	1095	1060	450	400	210	240	160	315	470	30	245	425	113	4-φ 24	
	YB132S ₂ -2/7.5	80	1020	190	660	510	475	100	385	100	1095	1060	450	400	210	240	160	315	470	30	245	425	113	4-φ 24	
	YB160M ₁ -2/11	80	1140	210	740	655	605	100	385	100	1240	1190	490	440	265	240	160	385	530	30	260	440	100	4-φ 24	
	YB160M ₂ -2/15	80	1140	210	740	655	605	100	385	100	1240	1190	490	440	265	240	160	385	530	30	260	440	100	4-φ 24	
IH80-50-200	YB90S-4/1.1	80	920	170	600	360	315	100	385	100	945	900	390	350	160	225	160	195	355	30	245	445	155	4-φ 19	
	YB90L-4/1.5	80	920	170	600	385	340	100	385	100	970	925	390	350	160	225	160	195	355	30	245	445	155	4-φ 19	
	YB100L ₁ -4/2.2	80	920	170	600	430	380	100	385	100	1015	965	390	350	180	225	160	245	380	30	245	445	145	4-φ 19	
	YB100L ₂ -4/3	80	920	170	600	430	380	100	385	100	1015	965	390	350	180	225	160	245	380	30	245	445	145	4-φ 19	
	YB112M-4/4	80	920	170	600	460	400	100	385	100	1045	985	390	350	190	225	160	265	400	30	245	445	133	4-φ 19	
	YB132S ₂ -2/7.5	80	1020	190	660	510	475	100	385	100	1095	1060	450	400	210	225	160	315	470	30	245	445	113	4-φ 24	
	YB160M ₁ -2/11	80	1140	210	740	655	605	100	385	100	1240	1190	490	440	210	240	160	385	530	30	260	460	100	4-φ 24	
	YB160M ₂ -2/15	80	1140	210	740	655	605	100	385	100	1240	1190	490	440	210	240	160	385	530	30	260	460	100	4-φ 24	
	YB160L-2/18.5	80	1140	210	740	695	650	100	385	100	1280	1235	490	440	265	240	160	385	530	30	260	460	100	4-φ 24	
	YB180M-2/22	80	1140	210	740	730	670	100	385	100	1315	1315	490	440	285	240	160	430	565	30	260	460	80	4-φ 24	
IH80-50-250	YB100L ₁ -4/2.2	95	1020	190	660	430	380	125	500	100	1155	1105	450	400	180	225	180	245	380	30	265	490	165	4-φ 24	
	YB100L ₂ -4/3	95	1020	190	660	430	380	125	500	100	1155	1105	450	400	180	225	180	245	380	30	265	490	165	4-φ 24	
	YB112M-4/4	95	1020	190	660	460	400	125	500	100	1185	1125	450	400	190	225	180	265	400	30	265	490	153	4-φ 24	
	YB132S-4/5.5	95	1140	210	740	510	475	125	500	100	1235	1200	490	440	210	240	180	315	470	30	280	505	148	4-φ 24	
	YB132M-4/7.5	95	1140	210	740	550	515	125	500	100	1275	1240	490	440	210	240	180	315	470	30	280	505	148	4-φ 24	
	YB160M ₂ -2/15	95	1270	225	840	655	605	125	500	100	1380	1330	540	490	260	240	180	385	530	30	300	525	140	4-φ 24	
	YB160L-2/18.5	95	1270	225	840	695	650	125	500	100	1420	1375	540	490	260	240	180	385	530	30	300	525	140	4-φ 24	
	YB180M-2/22	95	1270	225	840	730	670	125	500	100	1455	1395	540	490	285	240	180	430	565	30	300	525	120	4-φ 24	
	YB200L ₁ -2/30	95	1420	250	940	803	775	125	500	100	1528	1480	610	550	315	240	180	475	625	40	320	545	120	4-φ 28	
	YB200L ₂ -2/37	95	1420	250	940	803	775	125	500	100	1528	1480	610	550	315	240	180	475	625	40	320	545	120	4-φ 28	
	YB225M-2/45	95	1420	250	940	840	815	125	500	100	1565	1540	610	550	345	290	180	530	670	40	320	545	95	4-φ 28	
	IH80-50-315	YB112M-4/4	95	1440	210	740	460	400	125	500	100	1185	1125	490	440	190	225	225	265	400	30	325	605	213	4-φ 24
		YB132S-4/5.5	95	1440	210	740	510	475	125	500	100	1235	1200	490	440	210	240	225	315	470	30	325	605	193	4-φ 24
YB132M-4/7.5		95	1440	210	740	550	515	125	500	100	1275	1240	490	440	210	240	225	315	470	30	325	605	193	4-φ 24	
YB160M-4/11		95	1270	225	840	655	605	125	500	100	1380	1330	540	490	265	240	225	385	530	30	345	625	185	4-φ 24	
YB160L-4/15		95	1270	225	840	695	650	125	500	100	1420	1375	540	490	265	240	225	385	530	30	345	625	185	4-φ 24	
YB200L ₁ -2/30		95	1420	250	940	803	775	125	500	100	1528	1500	610	550	315	290	225	475	625	40	365	645	165	4-φ 28	
YB200L ₂ -2/37		95	1420	250	940	803	775	125	500	100	1528	1500	610	550	315	290	225	475	625	40	365	645	165	4-φ 28	
YB225M-2/45		95	1420	250	940	840	815	125	500	100	1565	1540	610	550	245	290	225	530	670	40	365	645	140	4-φ 28	
YB250M-2/55		95	1620	290	1060	935	930	125	500	100	1660	1655	660	600	385	330	225	575	770	40	385	665	135	4-φ 28	
YB280S-2/75		95	1820	320	1200	1010	1000	125	500	100	1735	1725	730	670	410	330	225	640	830	40	385	665	105	4-φ 28	
IH100-80-125		YB802-4/0.75	95	920	170	600	330	290	100	385	100	915	875	390	350	150	225	160	175	340	30	245	425	165	4-φ 19
	YB90S-4/1.1	95	920	170	600	360	315	100	385	100	945	900	390	350	160	225	160	195	355	30	245	425	155	4-φ 19	
	YB90L-4/1.5	95	920	170	600	385	340	100	385	100	970	925	390	350	160	225	160	195	355	30	245	425	155	4-φ 19	
	YB100L ₁ -4/2.2	95	920	170	600	430	380	100	385	100	1015	965	390	350	180	225	160	245	380	30	245	425	145	4-φ 19	
	YB100L ₂ -4/3	95	920	170	600	430	380	100	385	100	1015	965	390	350	180	225	160	245	380	30	245	425	145	4-φ 19	
	YB112M-4/4	95	920	170	600	460	400	100	385	100	1045	985	390	350	190	225	160	265	400	30	245	425	133	4-φ 19	
	YB132S ₁ -2/5.5	95	1020	190	660	510	475	100	385	100	1095	1065	450	400	210	240	160	315	470	30	245	425	113	4-φ 24	
	YB132S ₂ -2/7.5	95	1020	190	660	510	475	100	385	100	1095	1065	450	400	210	240	160	315	470	30	245	425	113	4-φ 24	
	YB160M ₁ -2/11	95	1140	210	740	655	605	100	385	100	1240	1190	490	440	265	240	160	385	530	30	260	440	100	4-φ 24	
	YB160M ₂ -2/15	95	1140	210	740	655	605	100	385	100	1240	1190	490	440	265	240	160	385	530	30	260	440	100	4-φ 24	
IH100-80-160	YB90L-4/1.5	95	1020	190	660	385	340	100	500	100	1085	1040	450	400	160	225	160	195	355	30	245	445	155	4-φ 24	
	YB100L ₁ -4/2.2	95	1020	190	660	430	380	100	500	100	1130	1080	450	400	180	225	160	245	380	30	245	445	145	4-φ 24	
	YB100L ₂ -4/3	95	1020	190	660	430	380	100	500	100	1130	1080	450	400	180	225	160	245	380	30	245	445	145	4-φ 24	
	YB112M-4/4	95	1020	190	660	460	400	100	500	100	1160	1100	450	400	190	2									

安装尺寸表 Installation dimension

泵 型 号 pump type	电机型号/功率 Motor type/power (kw)	外 形 及 安 装 尺 寸 Outline and installation dimension																						
		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
IH65-50-125	YB100L-2/3	80	920	170	600	430	380	80	385	100	995	945	390	350	180	225	112	245	380	30	197	337	97	4-φ19
	YB112M-2/4	80	920	170	600	460	400	80	385	100	1025	965	390	350	190	225	112	265	400	30	197	337	85	4-φ19
	YB132S ₁ -2/5.5	80	1020	190	660	510	475	80	385	100	1075	1040	450	400	210	240	112	315	470	30	197	337	65	4-φ24
IH65-50-160	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	80	920	170	600	330	290	80	385	100	895	855	360	320	150	225	132	175	340	25	217	377	137	4-φ19
	YB90S-4/1.1	80	920	170	600	360	315	80	385	100	925	880	360	320	160	225	132	195	355	25	217	377	127	4-φ19
	YB90L-4/1.5	80	920	170	600	385	340	80	385	100	950	925	390	350	160	225	132	195	355	25	217	377	127	4-φ19
	YB100L-2/3	80	920	170	600	430	380	80	385	100	995	945	390	350	180	225	132	245	380	30	217	377	117	4-φ19
	YB112M-2/4	80	920	170	600	460	400	80	385	100	1025	965	390	350	190	225	132	265	400	30	217	377	105	4-φ19
	YB132S ₁ -2/5.5	80	920	170	600	510	475	80	385	100	1075	1040	450	400	210	240	132	315	470	30	217	377	85	4-φ24
	YB132S ₂ -2/7.5	80	920	170	600	510	475	80	385	100	1075	1040	450	400	210	240	132	315	470	30	217	377	85	4-φ24
	YB160M ₁ -2/11	80	920	170	600	655	605	80	385	100	1220	1170	490	440	265	240	132	385	530	30	232	392	57	4-φ24
IH65-40-200	YB802-4/0.75	80	920	170	600	330	290	100	385	100	915	875	390	350	150	225	160	175	340	30	245	425	165	4-φ19
	YB90S-4/1.1	80	920	170	600	360	315	100	385	100	945	900	390	350	160	225	160	195	355	30	245	425	155	4-φ19
	YB90L-4/1.5	80	920	170	600	385	340	100	385	100	970	945	390	350	160	225	160	195	355	30	245	425	155	4-φ19
	YB100L ₁ -4/2.2	80	920	170	600	430	380	100	385	100	1015	965	390	350	180	225	160	245	380	30	245	425	145	4-φ19
	YB132S ₁ -2/5.5	80	1020	190	660	510	475	100	385	100	1095	1060	450	400	210	240	160	315	470	30	245	425	113	4-φ24
	YB132S ₂ -2/7.5	80	1020	190	660	510	475	100	385	100	1095	1060	450	400	210	240	160	315	470	30	245	425	113	4-φ24
	YB160M ₁ -2/11	80	1140	210	740	655	605	100	385	100	1240	1190	490	440	265	240	160	385	530	30	260	440	100	4-φ24
	YB160M ₂ -2/15	80	1140	210	740	655	605	100	385	100	1240	1190	490	440	265	240	160	385	530	30	260	440	100	4-φ24
IH65-40-250	YB90S-4/1.1	95	1020	190	660	360	315	100	500	100	1060	1015	450	400	160	225	180	195	355	30	260	490	175	4-φ24
	YB90L-4/1.5	95	1020	190	660	385	340	100	500	100	1080	1040	450	400	160	225	180	195	355	30	260	490	175	4-φ24
	YB100L ₁ -4/2.2	95	1020	190	660	430	380	100	500	100	1130	1080	450	400	180	225	180	245	380	30	260	490	165	4-φ24
	YB100L ₂ -4/3	95	1020	190	660	430	380	100	500	100	1130	1080	450	400	180	225	180	245	380	30	260	490	165	4-φ24
	YB112M-4/4	95	1020	190	660	460	400	100	500	100	1160	1100	450	400	190	240	180	265	400	30	260	490	153	4-φ24
	YB160M ₁ -2/11	95	1270	225	840	655	605	100	500	100	1355	1305	540	490	265	240	180	385	530	30	300	525	140	4-φ24
	YB160M ₂ -2/15	95	1270	225	840	655	605	100	500	100	1355	1305	540	490	265	240	180	385	530	30	300	525	140	4-φ24
	YB160L-2/18.5	95	1270	225	840	695	650	100	500	100	1395	1350	540	490	265	240	180	385	530	30	300	525	140	4-φ24
	YB180M-2/22	95	1270	225	840	730	670	100	500	100	1430	1370	540	490	285	240	180	430	565	30	300	525	120	4-φ24
	YB200L ₁ -2/30	95	1420	250	940	803	775	100	500	100	1530	1475	610	550	315	290	180	475	625	40	320	545	120	4-φ28
IH65-40-315	YB100L ₂ -4/3	95	1140	210	740	430	380	125	500	100	1155	1105	490	440	180	255	200	245	380	30	300	550	200	4-φ24
	YB112M-4/4	95	1140	210	740	460	400	125	500	100	1185	1125	490	440	190	255	200	265	400	30	300	550	188	4-φ24
	YB132S-4/5.5	95	1140	210	740	510	475	125	500	100	1235	1200	490	440	210	240	200	315	470	30	300	550	168	4-φ24
	YB132M-4/7.5	95	1140	210	740	550	515	125	500	100	1275	1240	490	440	210	240	200	315	470	30	300	550	168	4-φ24
	YB160M-4/11	95	1270	225	840	655	605	125	500	100	1380	1330	540	490	265	240	200	385	530	30	320	570	160	4-φ24
	YB160M ₂ -2/15	95	1270	225	840	655	605	125	500	100	1380	1330	540	490	265	240	200	385	530	30	320	570	160	4-φ24
	YB160L-2/18.5	95	1270	225	840	695	650	125	500	100	1420	1375	540	490	265	240	200	430	565	30	320	570	160	4-φ24
	YB180M-2/22	95	1270	225	840	730	670	125	500	100	1455	1395	540	490	285	240	200	430	565	30	320	570	140	4-φ24
	YB200L ₁ -2/30	95	1420	250	940	803	775	125	500	100	1528	1500	610	550	315	290	200	475	625	40	340	590	140	4-φ28
	YB200L ₂ -2/37	95	1420	250	940	803	775	125	500	100	1528	1500	610	550	315	290	200	475	625	40	340	590	140	4-φ28
	YB225M-2/45	95	1420	250	940	840	815	125	500	100	1565	1540	610	550	345	290	200	530	670	40	340	590	115	4-φ28
IH80-65-125	YB801-4/0.55	80	820	150	540	330	290	100	385	100	915	875	360	320	150	225	132	175	340	25	217	377	137	4-φ19
	YB802-4/0.75	80	820	150	540	330	290	100	385	100	915	875	360	320	150	225	132	175	340	25	217	377	137	4-φ19
	YB90S-4/1.1	80	820	150	540	360	315	100	385	100	945	900	360	320	160	225	132	195	355	25	217	377	127	4-φ19
	YB90L-4/1.5	80	920	170	600	385	340	100	385	100	970	925	390	350	160	225	132	195	355	25	217	377	127	4-φ19
	YB100L-2/3	80	920	170	600	430	380	100	385	100	1015	965	390	350	180	225	132	245	380	30	217	377	117	4-φ19
	YB112M-2/4	80	920	170	600	460	400	100	385	100	1045	985	390	350	190	225	132	265	400	30	217	377	105	4-φ19
	YB132S ₁ -2/5.5	80	1020	190	660	510	475	100	385	100	1095	1060	450	400	210	240	132	315	470	30	217	377	85	4-φ24
	YB132S ₂ -2/7.5	80	1020	190	660	510	475	100	385	100	1095	1060	450	400	210	240	132	315	470	30	217	377	85	4-φ24
	YB160M ₁ -2/11	80	1140	210	740	655	605	100	385	100	1240	1190	490	440	265	240	132	385	530	30	232	392	72	4-φ24
IH80-65-160	YB802-4/0.75	80	920	170	600	330	290	100	385	100	915	875	390	350	150	225	160	175	340	30	245	425	165	4-φ19
	YB90S-4/1.1	80	920	170	600	360	315	100	385	100	945	900	390	350	160	225	160	195	355	30	245	425	155	4-φ19

安装尺寸表 Installation dimension

泵 型 号 pump type	电机型号/功率 Motor type/power (kw)	外 形 及 安 装 尺 寸 Outline and installation dimension																						
		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
IH125-100-250	YB225M-2/45	110	1620	290	1060	840	815	140	530	140	1650	1625	660	600	345	290	225	530	670	40	385	665	160	4-φ28
	YB250M-2/55	110	1620	290	1060	935	930	140	530	140	1745	1740	660	600	385	330	225	575	770	40	385	665	135	4-φ28
	YB280S-2/75	110	1820	320	1200	1010	1000	140	530	140	1820	1810	730	670	410	330	225	640	830	40	385	665	105	4-φ28
	YB280M-2/90	110	1820	320	1200	1060	1050	140	530	140	1870	1860	730	670	410	330	225	640	830	40	385	665	105	4-φ28
IH125-100-315	YB160M-4/11	110	1270	225	840	655	605	140	530	140	1465	1415	540	490	265	240	250	385	530	40	370	685	210	4-φ24
	YB160L-4/15	110	1420	250	940	695	650	140	530	140	1505	1460	610	550	265	240	250	385	530	40	370	685	210	4-φ24
	YB180M-4/18.5	110	1420	250	940	730	670	140	530	140	1540	1480	610	550	285	240	250	430	565	40	390	705	210	4-φ28
	YB180L-4/22	110	1420	250	940	750	710	140	530	140	1560	1520	610	550	285	240	250	430	565	40	390	705	210	4-φ28
	YB200L-4/30	110	1420	250	940	803	775	140	530	140	1613	1585	610	550	315	290	250	475	625	40	390	705	190	4-φ28
	YB225S-4/37	110	1420	250	940	845	820	140	530	140	1655	1630	610	550	345	290	250	530	670	40	390	705	165	4-φ28
	YB280S-2/75	110	1820	320	1200	1010	1000	140	530	140	1820	1810	730	670	410	330	250	640	830	40	410	725	130	4-φ28
	YB280M-2/90	110	1820	320	1200	1060	1050	140	530	140	1870	1860	730	670	410	330	250	640	830	40	410	725	130	4-φ28
IH125-100-400	YB160L-4/15	130	1620	290	1060	695	650	140	530	140	1505	1460	660	600	265	240	280	385	530	40	440	795	280	4-φ28
	YB180M-4/18.5	130	1620	290	1060	730	670	140	530	140	1540	1480	660	600	285	240	280	430	565	40	440	795	260	4-φ28
	YB180L-4/22	130	1620	290	1060	750	710	140	530	140	1560	1520	660	600	285	240	280	430	565	40	440	795	260	4-φ28
	YB200L-4/30	130	1620	290	1060	803	775	140	530	140	1613	1585	660	600	315	290	280	475	625	40	440	795	240	4-φ28
	YB225S-4/37	130	1620	290	1060	845	820	140	530	140	1655	1630	660	600	345	290	280	530	670	40	440	795	215	4-φ28
	YB225M-4/45	130	1620	290	1060	870	845	140	530	140	1680	1655	660	600	345	290	280	530	670	40	440	795	215	4-φ28
	YB250M-4/55	130	1620	290	1060	935	930	140	530	140	1745	1740	660	600	385	330	280	575	770	40	440	795	190	4-φ28
IH150-125-250	YB160M-4/11	110	1270	225	840	655	605	140	530	140	1465	1415	540	490	265	240	250	385	530	30	370	695	210	4-φ24
	YB160L-4/15	110	1420	250	940	695	650	140	530	140	1505	1460	610	550	265	240	250	385	530	40	370	695	210	4-φ28
	YB180M-4/18.5	110	1420	250	940	730	670	140	530	140	1540	1480	610	550	285	240	250	430	565	40	390	745	210	4-φ28
	YB180L-4/22	110	1420	250	940	750	710	140	530	140	1560	1520	610	550	285	240	250	430	565	40	390	745	210	4-φ28
	YB200L-4/30	110	1420	250	940	803	775	140	530	140	1613	1585	610	550	315	290	250	475	625	40	390	745	190	4-φ28
	YB225S-4/37	110	1420	250	940	845	820	140	530	140	1655	1630	610	550	345	290	250	530	670	40	390	745	165	4-φ28
IH150-125-315	YB180M-4/18.5	130	1620	290	1060	730	670	140	530	140	1540	1480	660	600	285	240	280	430	565	40	440	775	260	4-φ28
	YB180L-4/22	130	1620	290	1060	750	710	140	530	140	1560	1520	660	600	285	240	280	430	565	40	440	775	260	4-φ28
	YB200L-4/30	130	1620	290	1060	803	775	140	530	140	1613	1585	660	600	315	290	280	475	625	40	440	775	240	4-φ28
	YB225S-4/37	130	1620	290	1060	840	820	140	530	140	1650	1630	660	600	345	290	280	530	670	40	440	775	225	4-φ28
	YB225M-4/45	130	1620	290	1060	870	845	140	530	140	1680	1655	660	600	345	290	280	530	670	40	440	775	225	4-φ28
	YB250M-4/55	130	1620	290	1060	935	930	140	530	140	1745	1740	660	600	385	330	280	575	770	40	440	775	190	4-φ28
	YB200L-4/30	110	1620	290	1060	803	775	140	530	140	1613	1585	660	600	315	290	315	475	625	40	475	875	275	4-φ28
IH150-125-400	YB225S-4/37	110	1620	290	1060	845	820	140	530	140	1655	1630	660	600	345	290	315	530	670	40	475	875	250	4-φ28
	YB225M-4/45	110	1620	290	1060	870	845	140	530	140	1680	1655	660	600	345	290	315	530	670	40	475	875	250	4-φ28
	YB250M-4/55	110	1620	290	1060	935	930	140	530	140	1745	1740	660	600	385	290	315	575	770	40	475	875	225	4-φ28
	YB280S-4/75	110	1820	320	1200	1010	1000	140	530	140	1820	1810	730	670	410	330	315	640	830	40	475	875	195	4-φ28
	YB280M-4/90	110	1820	320	1200	1060	1050	140	530	140	1870	1860	730	670	410	330	315	640	830	40	475	875	195	4-φ28
	YB180L-4/22	130	1620	290	1060	750	710	160	530	180	1620	1580	660	600	285	240	280	430	565	40	440	815	260	4-φ28
IH200-150-250	YB200L-4/30	130	1620	290	1060	803	775	160	530	180	1673	1645	660	600	315	290	280	475	625	40	440	815	240	4-φ28
	YB225S-4/37	130	1620	290	1060	840	820	160	530	180	1710	1690	660	600	345	290	280	530	670	40	440	815	215	4-φ28
	YB225M-4/45	130	1620	290	1060	870	845	160	530	180	1740	1715	660	600	345	290	280	530	670	40	440	815	215	4-φ28
	YB250M-4/55	130	1620	290	1060	935	930	160	530	180	1805	1800	660	600	385	330	280	575	770	40	440	815	190	4-φ28
	YB280S-4/75	130	1820	320	1200	1010	1000	160	530	180	1880	1870	730	670	410	330	280	640	830	40	440	815	160	4-φ28
	YB200L-4/30	130	1820	320	1200	803	775	160	670	180	1813	1785	730	670	315	290	315	475	625	40	475	875	275	4-φ28
	YB225S-4/37	130	1820	320	1200	845	820	160	670	180	1855	1830	730	670	345	290	315	530	670	40	475	875	250	4-φ28
IH200-150-315	YB225M-4/45	130	1820	320	1200	870	845	160	670	180	1880	1855	730	670	345	290	315	530	670	40	475	875	250	4-φ28
	YB250M-4/55	130	1820	320	1200	935	930	160	670	180	1945	1940	730	670	385	330	315	575	770	40	475	875	225	4-φ28
	YB280S-4/75	130	1820	320	1200	1010	1000	160	670	180	2020	2010	730	670	410	330	315	640	830	40	475	875	195	4-φ28
	YB280M-4/90	130	1820	320	1200	1060	1050	160	670	180	2070	2060	730	670	410	330	315	640	830	40	475	875	195	4-φ28
	YB250M-4/55	130	1820	320	1200	935	930	160	670	180	1945	1940	730	670	385	330	315	575	770	40	475	925	225	4-φ28
	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	4-φ28
	YB280M-4/90	130	1820	320	1200	1060	1050	160	670	180	2070	2060	730	670	410	330	315	640	830	40	475	925	195	4-φ28

安装尺寸表 Installation dimension

泵 型 号 pump type	电机型号/功率 Motor type/power (kw)	外 形 及 安 装 尺 寸 Outline and installation dimension																							
		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	
IH100-80-160	YB160M1-2/11	95	1270	225	840	665	605	100	500	100	1355	1305	540	490	265	240	160	385	530	30	280	480	120	4-φ24	
	YB160M2-2/15	95	1270	225	840	665	605	100	500	100	1355	1305	540	490	265	240	160	385	530	30	280	480	120	4-φ24	
	YB160L2-2/18.5	95	1270	225	840	695	650	100	500	100	1395	1350	540	490	265	240	160	385	530	30	280	480	120	4-φ24	
	YB180M-2/22	95	1270	225	840	730	670	100	500	100	1430	1370	540	490	285	240	160	430	565	30	280	480	100	4-φ24	
	YB200L1-2/30	95	1420	250	940	803	775	100	500	100	1503	1475	610	550	315	290	160	475	625	40	300	500	100	4-φ28	
IH100-65-200	YB100L1-4/2.2	95	1140	210	740	430	380	100	500	140	1170	1120	490	440	180	225	180	245	380	30	280	505	180	4-φ24	
	YB100L2-4/3	95	1140	210	740	430	380	100	500	140	1170	1120	490	440	180	225	180	245	380	30	280	505	180	4-φ24	
	YB112M-4/4	95	1140	210	740	460	400	100	500	140	1200	1140	490	440	190	225	180	265	400	30	280	505	168	4-φ24	
	YB132S-4/5.5	95	1140	210	740	510	475	100	500	140	1250	1215	490	440	210	225	180	315	475	30	280	505	148	4-φ24	
	YB132M-4/7.5	95	1140	210	740	550	515	100	500	140	1290	1255	490	440	210	225	180	315	475	30	280	505	148	4-φ24	
	YB160M2-2/15	95	1270	225	840	655	605	100	500	140	1395	1345	540	490	265	240	180	385	530	30	300	525	140	4-φ24	
	YB160L-2/18.5	95	1270	225	840	695	650	100	500	140	1435	1390	540	490	265	240	180	385	530	30	300	525	140	4-φ24	
	YB180M-2/22	95	1270	225	840	730	670	100	500	140	1470	1410	540	490	285	240	180	430	565	30	300	525	120	4-φ28	
	YB200L1-2/30	95	1420	250	940	803	775	100	500	140	1543	1515	610	550	315	290	180	475	625	40	320	545	120	4-φ28	
	YB200L2-2/37	95	1420	250	940	803	775	100	500	140	1543	1515	610	550	315	290	180	475	625	40	320	545	120	4-φ28	
	YB225M-2/45	95	1420	250	940	840	815	100	500	140	1580	1555	610	550	345	290	180	530	670	40	320	545	95	4-φ28	
IH100-65-250	YB100L2-4/3	110	1140	210	740	430	380	125	500	140	1195	1145	490	440	180	225	200	245	380	30	300	550	200	4-φ24	
	YB112M-4/4	110	1140	210	740	460	400	125	500	140	1225	1165	490	440	190	225	200	265	400	30	300	550	188	4-φ24	
	YB132S-4/5.5	110	1140	210	740	510	475	125	500	140	1275	1240	490	440	210	240	200	315	470	30	300	550	168	4-φ24	
	YB132M-4/7.5	110	1140	210	740	550	575	125	500	140	1315	1280	490	440	210	240	200	315	470	30	300	550	168	4-φ24	
	YB160M-4/11	110	1270	225	840	655	605	125	500	140	1420	1370	540	490	265	240	200	385	530	30	320	570	160	4-φ24	
	YB160L-4/15	110	1270	225	840	695	650	125	500	140	1460	1415	540	490	265	240	200	385	530	30	320	570	160	4-φ24	
	YB180M-2/22	110	1270	225	840	730	670	125	500	140	1495	1435	540	490	285	240	200	430	565	30	320	570	140	4-φ24	
	YB200L1-2/30	110	1420	250	940	803	775	125	500	140	1570	1540	610	550	315	290	200	475	625	40	340	590	140	4-φ28	
	YB200L2-2/37	110	1420	250	940	803	775	125	500	140	1570	1540	610	550	315	290	200	475	625	40	340	590	140	4-φ28	
	YB225M-2/45	110	1420	250	940	870	815	125	500	140	1635	1580	610	550	345	290	200	530	670	40	340	590	115	4-φ28	
	YB250M-2/55	110	1620	290	1060	935	930	125	500	140	1700	1695	660	600	385	290	200	575	770	40	360	610	110	4-φ28	
IH100-65-315	YB280S-2/75	110	1820	320	1200	1010	1000	125	500	140	1775	1765	730	670	410	330	200	640	830	40	360	610	110	4-φ28	
	YB132S-4/5.5	110	1270	225	840	510	475	125	530	140	1305	1270	540	490	210	240	225	315	470	30	345	625	213	4-φ24	
	YB132M-4/7.5	110	1270	225	840	550	515	125	530	140	1345	1310	540	490	210	240	225	315	470	30	345	625	213	4-φ24	
	YB160M-4/11	110	1270	225	840	655	605	125	530	140	1450	1400	540	490	265	240	225	385	530	30	345	625	185	4-φ24	
	YB160L-4/15	110	1420	250	940	695	650	125	530	140	1490	1445	610	550	265	240	225	385	530	40	345	625	185	4-φ24	
	YB180M-4/18.5	110	1420	250	940	730	670	125	530	140	1525	1465	610	550	285	240	225	430	565	40	360	645	185	4-φ28	
	YB200L2-2/37	110	1420	250	940	730	775	125	530	140	1525	1570	610	550	315	290	225	475	625	40	360	645	165	4-φ28	
	YB225M-2/45	110	1620	290	1060	870	815	125	530	140	1635	1610	660	600	345	290	225	530	670	40	385	665	160	4-φ28	
	YB250M-2/55	110	1620	290	1060	935	930	125	530	140	1730	1725	660	600	385	330	225	575	770	40	385	665	135	4-φ28	
	YB280S-2/75	110	1820	320	1200	1010	1000	125	530	140	1805	1795	730	670	410	330	225	640	830	40	385	665	105	4-φ28	
	YB280M-2/90	110	1820	320	1200	1060	1050	125	530	140	1860	1845	730	670	410	330	225	640	830	40	385	665	105	4-φ28	
IH125-100-200	YB112M-4/4	110	1140	210	740	460	400	125	500	140	1225	1165	490	440	190	225	200	265	400	30	300	580	188	4-φ24	
	YB132S-4/5.5	110	1140	210	740	510	475	125	500	140	1275	1240	490	440	210	240	200	315	470	30	300	580	168	4-φ24	
	YB132M-4/7.5	110	1140	210	740	550	515	125	500	140	1315	1280	490	440	210	240	200	315	470	30	300	580	168	4-φ24	
	YB160M-4/11	110	1270	225	840	655	605	125	500	140	1420	1370	540	490	265	240	200	385	530	30	320	600	160	4-φ24	
	YB200L1-2/30	110	1420	250	940	803	775	125	500	140	1568	1540	610	550	315	290	200	475	625	40	340	620	140	4-φ28	
	YB200L2-2/37	110	1420	250	940	803	775	125	500	140	1568	1540	610	550	315	290	200	475	625	40	340	620	140	4-φ28	
	YB225M-2/45	110	1420	250	940	840	815	125	500	140	1605	1580	610	550	345	290	200	530	670	40	340	620	115	4-φ28	
	YB250M-2/55	110	1620	290	1060	935	930	125	500	140	1700	1695	660	600	385	330	200	575	770	40	360	640	110	4-φ28	
	YB280S-2/75	110	1820	320	1200	1010	1000	125	500	140	1775	1765	730	670	410	330	200	640	830	40	360	640	80	4-φ28	
IH125-100-250	YB132S-4/5.5	110	1270	225	840	510	475	140	530	140	1320	1285	540	490	210	240	225	315	470	30	345	625	213	4-φ24	
	YB132M-4/7.5	110	1270	225	840	550	515	140	530	140	1360	1325	540	490	210	240	225	315	470	30	345	625	213	4-φ24	
	YB160M-4/11	110	1270	225	840	655	605	140	530	140	1465	1415	540	490	265	240	225	385	530	30	345	625	185	4-φ24	
	YB160L-4/15	110	1420	250	940	695																			

安装说明

- 1、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。
- 2、长距输送时应取较大管径。泵的管路应有自己的支架，不允许管路的重量加在泵上，避免把泵压坏。
- 3、排出管路如装逆止阀应装在闸阀的 面 。

Installation description

1. Installation height of pump, length, diameter and flow rate of pipes shall be as calculated, to reduce unnecessary loss.
2. For long-distance transfer, large pipe diameters are preferred. Support of pipes of the pump shall be available, and the pump shall not bear the weight of pipes, in order to prevent damages on the pump.
3. If it is to install a reversing valve on a drain pipe, it shall be installed outside of the gate valve.

水泵启动、停止与运转 Water pump start, stop and work

启动

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

Start

1. Before coupling the pump, check whether the rotation direction of motor is correct, rotation of pump is agile.
2. Close the gate valve on output pipe.
3. Pour water into pump, or use vacuum to draw water.
4. Turn on power supply, when pump reaches its normal rotation speed, open the gate valves on output pipes gradually, and adjust according to actual requirements. When gate valves on output pipes are closed, continuous work period of pump shall not be more than 3 minutes.

停止

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

Stop

1. Gradually close the gate valve on output pipe, and turn off power supply.
2. If ambient temperature is below 0℃, drain out water in the pump, to avoid cracking by being frozen.
3. If it will not be used for a long time, please disassemble the pump, clean, add oil, and pack before storage.

运转

- 1、在开车及运转过程中，必须注意观察仪表读数，轴承是否发热，填料是否漏水及泵的振动和杂音等是否正常，如果发现异常情况，应及时处理。
- 2、轴承温度最高不大于80℃，轴承温度不得超过周围温度40℃。
- 3、填料正常，漏水应该是少量均匀的。
- 4、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。
- 5、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。

Work

1. During start and operation, please check whether reading on instruments are normal, whether bearing is overheated, whether there is water leakage from stuffing, and whether vibration and noises of pump are normal, please handle in time when abnormal situations occur.
2. Maximum temperature of bearing shall be no more than 80℃, and bearing temperature shall not be higher than ambient temperature by more than 40℃.
3. When stuffing is normal, water leakage shall be of minor amount and even.
4. Oil level of bearing shall be normal, not too high or too low, add the lubricating oil in time when it is too low.
5. When abrasion on the coupling part between a seal ring and an impeller is too serious, please replace with a new seal ring.

水泵装配与拆卸 Water pump assembly and disassembly

泵在装配前应首先检查零件有无影响装配的缺陷，并清洗干净，方可进行装配。

- 1、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。
- 2、预先可将O形密封圈、纸垫、毛毡等分别放置在相应的零件上。
- 3、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。
- 4、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，并在轴上套上连接螺栓。
- 5、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，最后将上述组件装到泵体内，并拧紧泵体及泵盖上的连接螺栓。

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序，应特别注意。

泵拆卸序基本上可按装配序的反向进行。

Before assembly, please check whether there are defects on parts affecting assembly and clean.

1. Tighten all coupling bolts and screw blocks onto the corresponding parts in advance.
2. Place "O" ring, paper cushion, hair felt onto corresponding parts in advance.
3. Install seal rings, stuffing, stuffing rings, stiffing cover into the pump cover in the sequence in advance.
4. Install rolling bearing onto spindle, and install into the suspended frame, close cover to press on the rolling bearing, then screw coupling bolts onto the spindle.
5. Install spindle sleeve into the spindle, install pump cover onto the suspended frame, then install impellers, lock gaskets, impeller nuts and tighten, finally, install the parts above into the pump body, and tighten the coupling bolts on pump body and pump cover.

During the assembly procedure above, some small parts, such as flat key, oil baffle disc, "O" ring in water baffle ring bearing and so on, are likely to be omitted or assembled wrongly, please pay attention to that.

The disassembly of a pump is in the reversed sequence of assembly approximately.

水泵安装 Waterpump installation

泵安装得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。

安装和校正

- 1、清除底座上的油腻和污垢，把底座放在地基上。
- 2、用水平仪检查底座的水平度，允许用楔铁找平。
- 3、用水泥浇灌底座和地脚螺栓孔眼。
- 4、水泥干涸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。
- 5、清理底座的支持平面、水泵脚及电机脚的平面，并把水泵和电机安装到底座上去。
- 6、联轴器之间应保持一定的间隙，检查水泵轴与电机轴中心线是否一致，可用薄垫片调整使其同心。

测量联轴器的圆上下、左右的差别不得超过0.1mm，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0.3mm。

Installation is very important to operation and service life of a pump, therefore, please install and adjust a pump carefully.

Installation and adjustment

1. Clear off oil stain and dirt on the base, and put the base on ground.
2. Use gradienter to check the horizontal degree of base, and wedge irons are allowed to be used to adjust.
3. Pour cement into base and bolt holes of feet.
4. When cement is dried, check whether bolts of base and feet are loosened, tighten in a proper way, and check horizontal degree again.
5. Clean the support grounds under base, ground under feet of water pump and motor feet, and install water pump and motor onto the base.
6. A clearance shall be kept between shaft couplers, check whether water pump spindle and motor spindle are on a same center line, thin cushion sheets can be used to adjust.

Measure the difference between up-and-down length and left-to-right length of external circle of coupler shall not be more than 0.1mm. Between two couplers, difference between maximum clearance and minimum clearance on a same circle shall not be greater than 0.3mm.

管路损耗参考表 Reference table for pipeline loss

管径 Pipe diameter (mm)	流 量 Capacity (L/s)									
	1	2	4	6	8	10				
25	32.7	13.0								
38	3.5	14	5.5				15	20		
50	0.8	3.1	1.3	2.9					25	30
65		0.8	3.2	7.1	1.3	2.0				
75		0.4	1.6	3.3	5.9	9.6	21.6			
100			0.4	0.8	1.3	2.1	6.8	8.6	1.3	19.4
125				0.23	0.4	0.63	1.3	2.7	4.1	5.9
150					0.16	0.26	0.58	1.1	1.6	2.3
175						0.11	0.27	0.5	0.74	1.05
200							0.13	0.26	0.37	0.53
250								0.07	0.12	0.18
300										0.07

注：此表为100mm口径管（即100mm口径管）的损耗参考表，如管径大于100mm，其损耗应按此表相应管径的损耗值乘以管径的平方根进行计算。例如：200mm口径管的损耗应为100mm口径管损耗值的 $\sqrt{2}$ 倍。

Abrasion loss table of straight pipes (for estimation), length loss of a 100m straight pipe is calculated as a newly forged steel pipe as the standard, to old pipes, it shall be doubled.

管径 Pipe diameter (mm)	最大流量 Maximum flow (L/s)	最大流速 Maximum flow rate (m/s)	管径 Pipe diameter (mm)	最大流量 Maximum flow (L/s)	最大流速 Maximum flow rate (m/s)
25	1	2.04	125	30.0	2.41
38	2.5	1.69	150	43.0	2.45
50	4.17	2.12	175	60.0	2.49
65	6.67	2.01	200	83.0	2.69
75	10.0	2.26	250	133.3	2.72
100	18.4	2.33	300	192.0	2.71

注：超过此限使管路损失显著增加。
Note: The pipeline loss would be made greatly increased once the limit is over.

种 类 Variety	折合管径倍数 Convert into the times of the diameter of a straight pipe	备 注 Remark
全开闸阀 Fully opened gate valve	13	未畅开加倍 Multiple in case of unopen
标准弯管 Standard elbow	25	
逆止阀 Back valve	100	
底阀 Foot valve	100	部分堵塞加倍 Partial block-up multiplied

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

Note: For instance, a 100mm diameter pipe, the foot valve has a 100 100=10000mm=10m diameter when which is converted into 100 times that of the pipe's diameter. Suppose the flow is 8L/s, looked into the above table, the loss of the straight pipe is 1.3m each 100m, then the one for 100mm is 0.13m, that is, for a 100mm foot valve with a flow 8L/s, its head loss is 0.13m.

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

故障 Failure	原因 Possible causes	排除方法 Troubleshooting
1.水泵不吸水，压力表及真空表指针剧烈跳动。 Pump not suck water, both pointers of manometer and vacuometer severely jump.	a' 注入水泵的水不够 b' 进水管与仪表漏气 a. Water input the water pump is not enough. b. Air leakage on water input pipes and instruments.	a' 再往水泵内注水 b' 拧紧堵塞漏气处 a. Input more water into the water pump. b. Tighten and block the air leakage parts.
2.水泵不吸水，真空表已显示高度真空。 Pump not suck water, high v-acuum shown on vacuometer.	a' 底阀没有打开或已堵塞 b' 吸水管阻力太大 c' 吸水高度太高 a' Bottom valve not opened or blocked up. b' Too large resistance of the suction pipeline. c' too high suction height.	a' 校平或更换底阀 b' 清洗或更换吸水管 c' 降低吸水高度 a. Adjust or replace bottom valve. b. Clean or replace water input pipes. c. Reduce water input height.
3.压力表有压力而水泵仍不出水。 No water out though pressure is shown on manometer.	a' 出水管阻力太大 b' 旋转方向不对 c' 叶轮堵塞 d' 水泵转速不够 a' Too large resistance on outlet pipeline. b' Uncorrect rotating direction. c' Impeller blocked up. d' Insufficient rotating speed.	a' 清洗或缩短水管 b' 检查电机旋向 c' 清洗叶轮 d' 增加水泵转速 a. Clean or shorten water pipe. b. Check rotation direction of motor. c. Clean impeller d. Increase rotation speed of water pump.
4' 泵流量减少或扬程下降。 Pump flow rate reduced or pump lift drops.	a' 叶轮或管路堵塞 b' 密封环或叶轮磨损过多 c' 转速不够 a. Impellers or pipes are jammed. b. Too serious abrasion on seal rings or impellers. c. Rotation speed is too low.	a' 清洗叶轮及管路 b' 更换损坏零件 c' 调整到额定转速 a. Clean impellers and pipes. b. Replace damaged parts. c. Adjust to rate rotation speed.
5.水泵消耗的功率过大。 Too large power loss of pump.	A' 填料压盖太紧，填料函发热 b' 叶轮与密封环摩擦 c' 流量过大 a. Stuffing cover is too tightened, and stiffling case is heated. b. Impellers and seal rings are abraded. c. Flow rate is too high.	a' 放松填料压盖 b' 消除机械摩擦 c' 关小出水闸阀 a. Loosen cover of stuffing. b. Eliminate mechanical abrasion. c. Reduce opening of water output gate valve.
6.水泵内部声音反常，水泵吸不上水。 Abnormal sound inside of pump, no water out of it.	a' 吸水管内阻力过大 b' 吸水管有空气漏入 c' 流量过大发生汽蚀 a. Too great resistance in water input pipe. b. Air ingress into water input pipe. c. Flow rate is too great, which leads to air cavities.	a' 减小吸水高度缩短吸水管长度 b' 堵塞漏气处 c' 调节出口阀门使泵在规定工况范围内使用 a. Reduce height of water input, and shorten length of water input pipes. b. Block air leakage parts. c. Adjust output valves, to make pump work within the stipulated range.
7' 水泵振动厉害。 Water pump vibration is too serious.	a' 泵发生汽蚀、叶轮不平衡 b' 泵轴与电机不在同一中心线上 c' 地脚螺栓松动 a. Air cavities in pump, impellers are not balanced. b. Pump spindle and motor are not on a same center line. c. Foot bolts are loosened.	a' 消除汽蚀、叶轮校平衡 b' 校水泵和电机的同轴度 c' 拧紧地脚螺栓 a. Eliminate air cavities, balance impellers. b. Adjust coaxiality of water pump and motor. c. Tighten foot bolts.
8' 轴承过热。 Overheat on bearing.	a' 润滑油不足或过多，或变质 b' 水泵与电机轴不同心 a. Lubricating oil is not enough, or too much, or degraded. b. Water pump and motor spindle are not coaxial.	a' 检查油量，清洗轴承并换油 b' 把轴中心线对准 a. Check oil amount, clean bearing and replace oil. b. Align center line of spindle.

汉森泵业集团股份有限公司

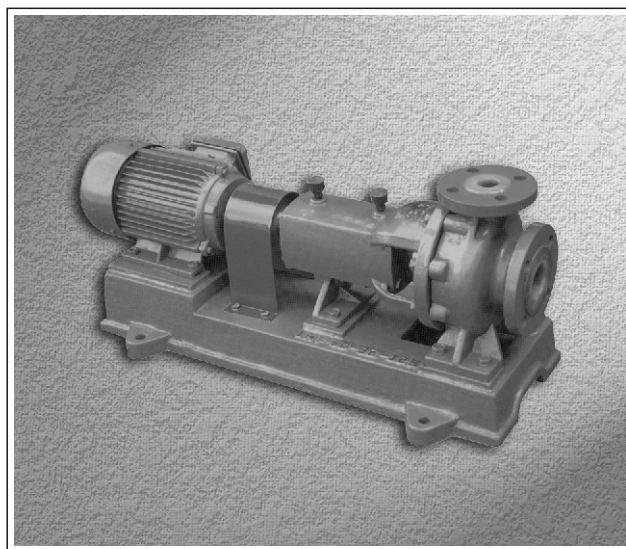
ShangHai Hanthing Pump Group CO.,LTD

IHF 型单级单吸式氟塑料合金化工离心泵

Model IHF Single-stage Single-suction Fluorine-plastic Alloy Chemical Centrifugal Pump

使用说明书

Operation installation



安装、使用产品前，请仔细阅读使用说明书

Please carefully read the operation instructions before use of the product.

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概述 OUTLINE

IHF型泵为单级单吸式氟塑料合金化工离心泵，是按国标设计并结合非金属泵的加工工艺设计生产的。该泵具有耐腐、耐磨、耐高温、不老化、机械强度高、无毒素分解、使用温度宽、输送介质温度为-85~200℃等优点。该泵广泛适用于化工、制药、石油、冶金、电力、电镀、酸洗、农药、造纸等行业中液体输送、废水处理和加酸等工艺流程。本泵可输送任何浓度的硫酸、盐酸、硝酸、醋酸、氢氟酸、王水、强氧化、强腐蚀性介质的使用，是目前最先进的耐腐蚀装备之一。

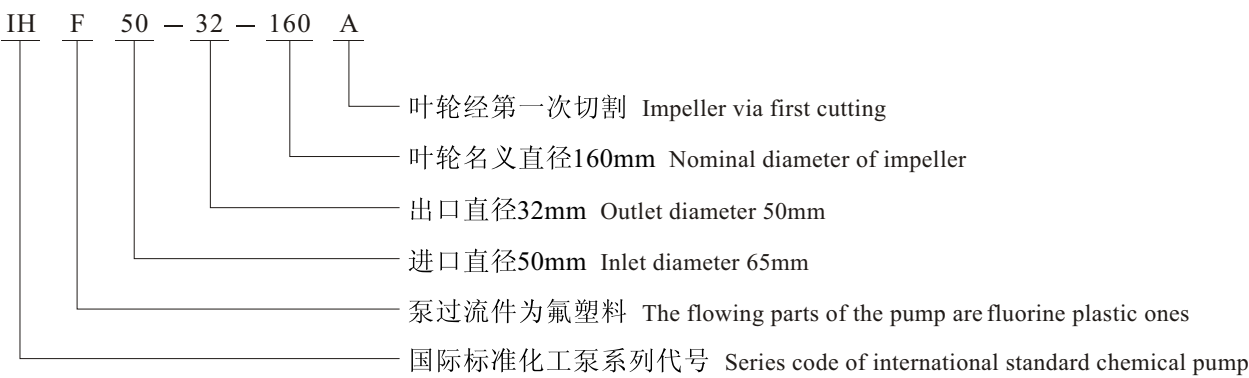
Model IHF pump is a single-stage single-suction fluoric plastic alloy chemical centrifugal pump, designed per the national standard and designed and made per the processing workmanship for the non-metal pump. This pump features anti-corrosion, wearability, high temperature resistance, non-aging, high mechanical strength, non-toxin decomposition and wide temperature range of use, with the medium temperature to be transported at -85 ~ 200℃, and is applicable for the liquid transportation, waste water treatment and souring etc. technological flows in chemical industry, pharmacy, petroleum, metallurgy, electric power, electric-plating, acid cleaning, farm chemicals, paper-making etc. trades. This pump can be used to transport sulfuric acid, hydrochloric acid, nitric acid, acetic acid, hydrofluoric acid, nitro-hydrochloric acid, strong oxidative and strong corrosive media and is one of the most advanced corrosion-proof equipments at present.

泵的结构与特征 CONSTRUCTION AND FEATURE OF PUMP

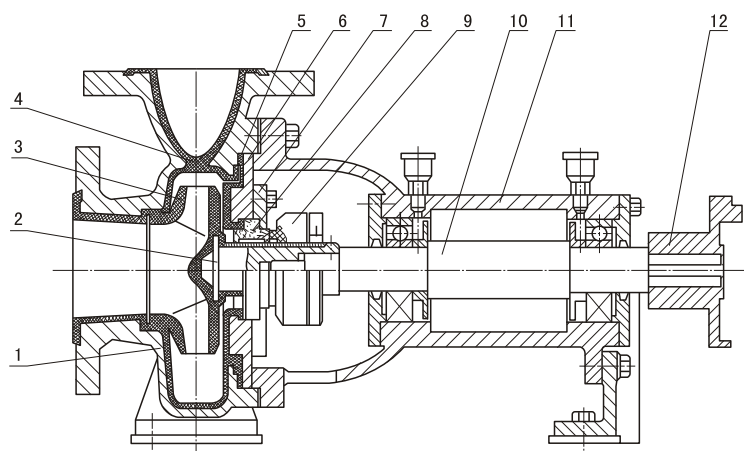
IHF型氟塑料离心泵的泵体采用金属外壳内衬聚全氟乙丙烯(F46)、叶轮和泵盖均采用金属嵌件外包氟塑料整体烧结压制成型，轴封采用外装式波纹管机械密封，静环选用99.9%氧化铝陶瓷或碳化硅，动环采用四氟填充材料或碳化硅。其特点是该泵结构先进合理、耐腐蚀强、密封性能严密可靠、工作稳定、噪声低、使用寿命长。

For model IHF fluoric plastic centrifugal pump, the casing is a metal crust interlined with poly-perfluoroethylene-propylene (F46), both impeller and pump cover are formed with a metal insert wrapped with fluoric plastic outside and then integrally sintered and pressed, the shaft seal is an externally mountable sylphon bellows mechanical seal, the static ring is made of 99.9% alumina ceramic or silicon carbide and the dynamic ring is made of tetrafluoro filling material or silicon carbide and its features come at an advanced and reasonable structure, strong corrosion resistance, strict and reliable sealing, stable work, low noise and a long duration.

型号意义 MODEL MEANING

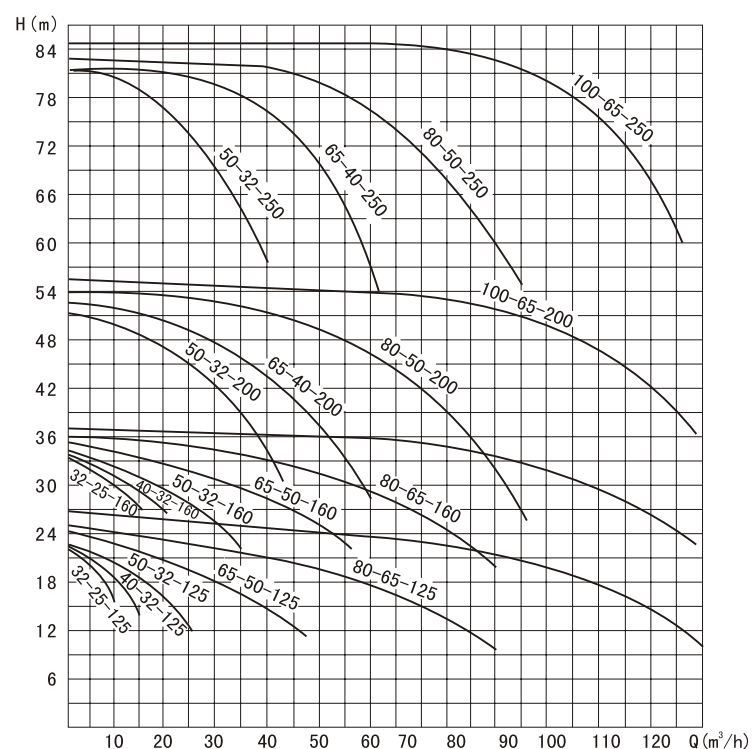


结构简图 CONSTRUCTION DRAWING



序号 No	名称 Name	材料 Material	序号 No	名称 Name	材料 Material	序号 No	名称 Name	材料 Material
1	泵体 Pump casing	HT200	5	泵盖衬里 Pump cover interlining	聚全氟乙烯 F46	9	动环 Dynamic ring	填充四氟乙烯 Silicon nitride
2	叶轮骨架 Impeller frame	45#钢 Steel	6	泵盖 Pump cover	HT200	10	泵轴 Pump shaft	3Cr13
3	叶轮 Impeller	聚全氟乙烯 F46	7	机封压盖 Gland of mechanical seal	1Cr18Ni9Ti	11	轴承体 Bearing body	HT200
4	泵体衬里 Pump casing interlining	聚全氟乙烯 F46	8	静环 Static ring	氧化铝陶瓷 Aluminum oxide ceramic	12	联轴器 Clutch	HT200

性能曲线图 PERFORMANCE CURVE DRAWING



性能参数表 PERFORMANCE TABLE

型号 Model	转速 Speed (r/min)	流量 Capacity		扬程 Head (m)	效率 Eff. (%)	功率 Power		必需汽 蚀余量 NPSH(r) (m)	叶轮直径 Impeller diameter (mm)	重量 Weight (kg)
		(m³/h)	(L/s)			轴功率 Shaft	电机功率 Motor power			
IHF32-25-125	2900	3.5 5 6.5	0.97 1.39 1.80	21 20 18	40 44 42	0.50 0.62 0.76	1.5	2.3	128	80
	1450	1.75 2.5 3.25	0.49 0.69 0.90	5.25 5 4.5	37 40 38	0.068 0.085 0.105	0.75	2.3	128	75
IHF32-25-125A	2900	3.1 4.5 5.8	0.06 1.25 1.61	17.6 16 14.4	38 41 40	0.70 0.48 0.57	1.1	2.3	115	75
IHF32-25-160	2900	3.5 5 6.5	0.97 1.39 1.80	33 32 30	34 40 42	0.93 1.10 1.26	2.2	2.3	162	90
	1450	1.75 2.5 3.25	0.49 0.69 0.90	8.25 8 7.5	30 38 40	0.131 0.143 0.166	0.75	2.3	162	75
IHF32-25-160A	2900	3.1 4.5 5.8	0.86 1.25 1.61	29 28 26	30 35 36	0.81 0.97 1.14	1.5	2.3	152	80
IHF40-32-125	2900	4.4 6.5 8.3	1.22 1.80 2.31	21 20 18	40 45 43	0.63 0.79 0.95	2.2	2.5	128	90
	1450	2.2 3.25 4.15	0.60 0.90 1.15	5.25 5 4.5	37 41 40	0.085 0.108 0.127	0.75	2.5	128	75
IHF40-32-125A	2900	3.9 5.6 7.4	1.08 1.56 2.06	17.6 16 14.4	38 42 40	0.49 0.58 0.72	1.5	2.5	115	80
IHF40-32-160	2900	4.4 6.5 8.3	1.22 1.80 2.31	33 32 30	34 40 39	1.16 1.42 1.71	2.2	2.5	162	90
	1450	2.2 2.5 3.25	0.60 0.90 1.15	8.25 8 7.5	33 36 37	0.14 0.15 0.18	0.75	2.5	162	75
IHF40-32-160A	2900	3.9 5.6 7.4	1.08 1.56 2.06	29 28 26	32 38 37	0.96 1.23 1.41	1.5	2.5	152	80
IHF50-32-125	2900	8.8 12.5 16.3	1.08 1.56 2.06	21.5 20 17.5	45 54 53	1.15 1.26 1.47	2.2	3.0	128	90
	1450	4.4 6.25 8.15	1.2 1.74 2.26	5.37 5 4.37	37 46 45	0.17 0.18 0.22	0.75	3.0	128	75
IHF50-32-125A	2900	8 11 14.5	2.22 3.05 4.03	17 16 14	42 52 51	0.88 0.92 1.08	1.5	3.0	115	80
IHF50-32-160	2900	8.8 12.5 16.3	2.44 3.47 4.53	33 32 30	41 48 47	1.93 2.27 2.84	4	3.0	160	120
	1450	4.4 6.25 8.15	1.2 1.74 2.26	8.25 8 7.5	31 41 42	0.31 0.33 0.39	0.75	3.0	160	90
IHF50-32-160A	2900	8.2 11.7 15.2	2.28 3.25 4.22	29 28 26	39 47 46	1.16 1.88 2.34	3	3.0	150	100
IHF50-32-200	2900	8.8 12.5 16.3	2.44 3.47 4.53	52 50 48	34 42 41	3.70 4.10 5.20	7.5	3.0	190	150
	1450	4.4 6.25 8.15	1.2 1.74 2.26	13 12.5 12	25 33 36	0.62 0.65 0.74	1.5	3.0	190	100

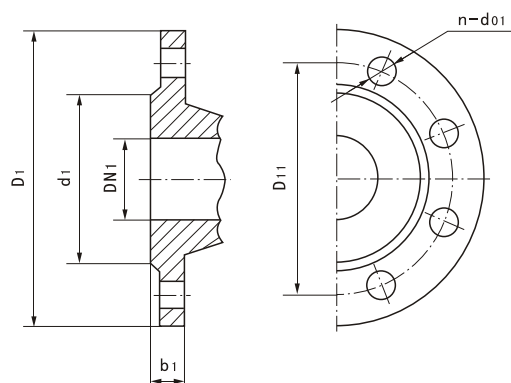
性能参数表 PERFORMANCE TABLE

型号 Model	转速 Speed (r/min)	流量 Capacity		扬程 Head (m)	效率 Eff. (%)	功率 Power		必需汽 蚀余量 NPSH(r) (m)	叶轮直径 Impeller diameter (mm)	重量 Weight (kg)
		(m³/h)	(L/s)			轴功率 Shaft	电机功率 Motor power			
IHF50-32-200A	2900	8.2 11.7 15.2	2.28 3.25 4.22	45 44 42	31 40 39	3.24 3.50 4.45	5.5	3.0	178	130
IHF50-32-250	2900	8.8 12.5 16.3	2.44 3.47 4.53	82 80 76	27 35 34	7.30 7.80 10	11	3.0	250	220
	1450	4.4 6.25 8.15	1.2 1.74 2.26	20.5 20 19	20 27 30	1.22 1.26 1.40	2.2	3.0	250	100
IHF50-32-250A	2900	8.2 11.7 15.2	2.28 3.25 4.22	71 70 68	25 34 33	4.53 6.56 8.52	7.5	3.0	235	170
IHF65-50-125	2900	17.5 25 32	4.86 6.94 9.0	21.5 20 17.5	56 64 63	1.83 2.13 2.42	3	3.5	128	100
	1450	8.75 12.5 16	2.43 3.47 4.44	5.37 5 4.37	45 57 58	0.28 0.30 0.33	0.75	3.5	128	80
IHF65-50-1125A	2900	15.6 22.3 29	4.33 6.19 8.1	17 16 14	53 62 61	1.36 1.57 1.79	2.2	3.5	115	90
IHF65-50-160	2900	17.5 25 32	4.86 6.94 9.0	33 32 27.5	50 59 57	3.15 3.69 4.20	5.5	3.5	160	145
	1450	8.75 12.5 16	2.43 3.47 4.44	8.25 8 6.87	40 53 51	0.49 0.51 0.59	1.1	3.5	160	90
IHF65-50-160A	2900	16.4 23.3 30.4	4.56 6.5 8.44	29 28 24	48 58 56	2.70 3.10 3.54	4	3.5	150	130
IHF65-40-200	2900	17.5 25 32	4.86 6.94 9.0	52 50 45.5	45 54 54	5.50 6.30 7.35	11	3.5	195	225
	1450	8.75 12.5 16	2.43 3.47 4.44	13 12.5 11.4	36 46 47	0.86 0.93 1.05	1.5	3.5	195	100
IHF65-40-200A	2900	16.4 23.3 30.4	4.56 6.5 8.44	46 44 40	43 53 52	4.30 5.00 5.20	7.5	3.5	183	170
IHF65-40-250	2900	17.5 25 32	4.86 6.94 9.0	82 80 76	39 50 52	10.10 10.90 12.74	18.5	3.5	250	240
	1450	8.75 12.5 16	2.43 3.47 4.44	20.5 20 19	32 42 44	1.52 1.62 1.88	3	3.5	250	130
IHF65-40-250A	2900	16.4 23.3 30.4	4.56 6.5 8.44	71 70 68	36 48 50	8.80 9.30 11.25	15	3.5	235	230
IHF80-65-125	2900	35 50 65	9.72 13.9 18.1	21.5 20 17	64 69 67	3.20 3.95 4.50	5.5	4.0	134	150
	1450	17.5 25 32.5	4.86 6.9 9.0	5.37 5 4.25	54 64 62	0.47 0.53 0.61	1.1	4.0	134	90
IHF80-65-125A	2900	31 45 58	8.6 12.5 16.1	17 16 14	62 68 67	2.30 2.88 3.30	4	4.0	120	130
IHF80-65-160	2900	35 50 65	9.72 13.9 18.1	33 32 27.5	60 68 67	5.24 6.41 7.27	11	4.0	165	220

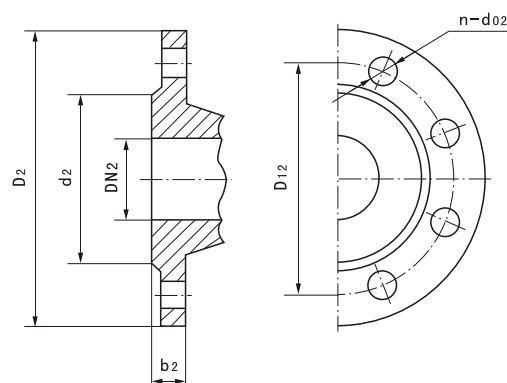
性能参数表 PERFORMANCE TABLE

型号 Model	转速 Speed (r/min)	流量 Capacity		扬程 Head (m)	效率 Eff. (%)	功率 Power		必需汽 蚀余量 NPSH(r) (m)	叶轮直径 Impeller diameter (mm)	重量 Weight (kg)
		(m³/h)	(L/s)			轴功率 Shaft	电机功率 Motor power			
IHF80-65-160	1450	17.5 25 32.5	4.86 6.9 9.0	8.25 8 6.88	50 62 61	0.78 0.88 1.00	1.5	4.0	165	100
IHF80-65-160A	2900	31 45 58	8.6 12.5 16.1	29 28 24	58 67 66	4.10 5.12 5.34	7.5	4.0	165	190
IHF80-50-200	2900	35 50 65	9.72 13.9 18.1	52 50 45.5	52 64 65	9.53 10.64 12.39	15	4.0	197	230
	1450	17.5 25 32.5	4.86 6.9 9.0	13 12.5 11.38	51 59 58	1.21 1.44 1.74	3	4.0	197	130
IHF80-50-200A	2900	31 45 58	8.6 12.5 16.1	46 44 40	50 63 62	7.35 8.56 10	11	4.0	185	220
IHF80-50-250	2900	35 50 65	9.72 13.9 18.1	82 80 72	40 50 51	19.40 21.80 25	30	4.0	248	400
	1450	17.5 25 32.5	4.86 6.9 9.0	20.5 20 18	40 50 51	2.40 2.70 3.12	4	4.0	248	145
IHF80-50-250A	2900	31 45 58	8.6 12.5 16.1	71.5 70 63	39 50 51	15.40 17.60 19.90	22	4.0	232	310
IHF100-80-125	2900	70 100 130	19.4 27.8 36.1	23 20 14	70 75 65	6.26 7.26 7.63	11	5.0	136	220
	1450	35 50 65	9.7 13.9 18.0	5.75 5 3.5	65 70 64	0.85 0.97 0.98	1.5	4.5	136	100
IHF100-80-125A	2900	62.6 89 116	17.4 24.7 32.2	18 16 11	68 73 65	4.50 5.30 5.74	7.5	5.0	122	200
IHF100-80-160	2900	70 100 130	19.4 27.8 36.1	34 32 24	68 74 65	9.53 11.78 13.03	15	5.0	170	230
	1450	35 50 65	9.7 13.9 18.0	8.5 8 6.5	60 68 67	1.35 1.60 1.69	2.2	4.5	170	110
IHF100-80-160A	2900	65.4 93.5 121	18.2 26 33.6	32 28 21	66 73 65	8.60 9.30 10.6	11	5.0	159	220
IHF100-65-200	2900	70 100 130	19.4 27.8 36.1	52 50 42	64 72 71	15.50 18.91 20.94	360	5.0	210	400
	1450	35 50 65	9.7 13.9 18.0	13 12.5 10.5	60 68 63	2.06 2.50 2.95	4	4.5	210	140
IHF100-65-200A	2900	65.4 93.5 121	18.2 26 33.6	46 44 37	63 71 70	13 15.02 17.40	22	5.0	197	310
IHF100-65-250	2900	70 100 130	19.4 27.8 36.1	87 80 68	62 69 68	26.60 31.60 35	45	4.0	255	450
	1450	30 50 60	8.33 13.9 16.7	21.2 20 18.5	58 63 62	3.00 4.30 4.72	5.5	4.5	255	170
IHF100-65-250A	2900	65.4 93.5 121	16.2 26 33.6	76.5 70 59	60 68 67	20.25 26.2 28	37	4.5	238	410

法兰尺寸图 DIMENSION DRAWING OF FLANGE



吸入法兰
Inlet flange

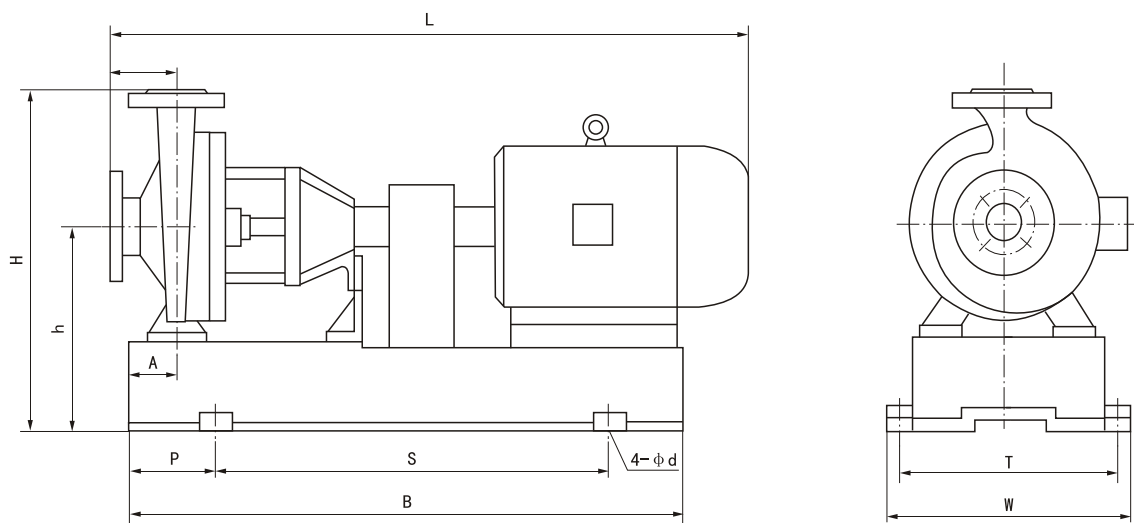


吐出法兰
Outlet flange

法兰尺寸表 DIMENSION TABLE OF FLANGE

产品型号 Product type	吸入法兰 Inlet flange						吐出法兰 Outlet flange					
	DN ₁	d ₁	D ₁₁	D ₁	b ₁	n ₁ -d ₀₁	DN ₂	d ₂	D ₁₂	D ₂	b ₂	n ₂ -d ₀₂
IHF32-25-125	32	70	90	120	16	4-14	25	60	75	100	16	4-14
IHF32-25-160	32	70	90	120	16	4-14	25	60	75	100	16	4-14
IHF40-32-125	40	80	100	130	18	4-14	32	70	90	120	16	4-14
IHF40-32-160	40	80	100	130	18	4-14	32	70	90	120	16	4-14
IHF50-32-125	50	102	125	165	20	4-18	32	80	100	140	18	4-18
IHF50-32-160	50	102	125	165	20	4-18	32	80	100	140	18	4-18
IHF50-32-200	50	102	125	165	20	4-18	32	80	100	140	18	4-18
IHF50-32-250	50	102	125	165	20	4-18	32	80	100	140	18	4-18
IHF65-50-125	65	122	145	185	20	4-18	50	102	125	165	20	4-18
IHF65-50-160	65	122	145	185	20	4-18	50	102	125	165	20	4-18
IHF65-40-200	65	122	145	185	20	4-18	40	88	110	150	18	4-18
IHF65-40-250	65	122	145	185	20	4-18	40	88	110	150	18	4-18
IHF80-65-125	80	133	160	200	20	8-18	65	122	145	185	20	4-18
IHF80-65-160	80	133	160	200	20	8-18	65	122	145	185	20	4-18
IHF80-50-200	80	133	160	200	20	8-18	50	102	125	165	20	4-18
IHF80-50-250	80	133	160	200	20	8-18	50	102	125	165	20	4-18
IHF100-80-125	100	158	180	220	22	8-18	80	133	160	200	20	8-18
IHF100-80-160	100	158	180	220	22	8-18	80	133	160	200	20	8-18
IHF100-65-200	100	158	180	220	22	8-18	65	122	145	185	20	4-18
IHF100-65-250	100	158	180	220	22	8-18	65	122	145	185	20	4-18

外形安装尺寸图 OUT-FORM INSTALLATION DIMENSION DRAWING



外形及安装尺寸表 OUT-FORM AND INSTALLATION DIMENSION TABLE

产品型号 Product type	电机型号/功率 Motor type /power (kW)	L	B	S	P	A	W	T	H	h	f	4-φd
IHF32-25-125	Y802-4/0.75	780	720	470	120	70	320	270	350	220	80	4-19
	Y802-2/1.1	780	720	470	120	70	320	270	350	220	80	4-19
	Y90S-2/1.5	790	720	470	120	70	320	270	350	220	80	4-19
IHF32-25-160	Y802-4/0.75	780	730	470	100	70	320	270	350	230	80	4-19
	Y90S-2/1.5	790	740	530	100	70	350	300	370	230	80	4-19
	Y90L-2/2.2	810	740	530	100	70	350	300	370	230	80	4-19
IHF40-32-125	Y802-4/0.75	780	720	470	120	70	320	270	350	220	80	4-19
	Y90S-2/1.5	790	720	470	120	70	320	270	350	220	80	4-19
	Y90L-2/2.2	820	720	470	120	70	320	270	350	220	80	4-19
IHF40-32-160	Y802-4/0.75	780	740	530	100	70	350	300	360	230	80	4-19
	Y90S-2/1.5	800	740	530	100	70	350	300	360	230	80	4-19
	Y90L-2/2.2	810	740	530	100	70	350	300	360	230	80	4-19
IHF50-32-125	Y802-4/0.75	800	740	530	100	70	320	270	360	210	80	4-19
	Y90S-2/1.5	810	740	530	100	70	320	270	360	210	80	4-19
	Y90L-2/2.2	820	740	530	100	70	320	270	360	210	80	4-19
IHF50-32-160	Y802-4/0.75	820	800	560	130	70	350	300	370	210	80	4-19
	Y100L-2/3	900	800	560	120	70	350	300	380	220	80	4-19
	Y112M-2/4	920	800	560	120	70	350	300	380	220	80	4-19
IHF50-32-200	Y90L-4/1.5	850	800	560	130	70	350	300	410	230	80	4-19
	Y132S1-2/5.5	970	850	560	140	70	390	340	440	260	80	4-19
	Y132S2-2/7.5	980	850	560	140	70	390	340	440	260	80	4-19
IHF50-32-250	Y100L1-4/2.2	1030	920	560	200	80	450	400	520	290	100	4-24
	Y132S2-2/7.5	1180	1170	775	200	80	450	400	520	290	100	4-24
	Y160M1-2/11	1280	1170	775	200	80	450	400	520	290	100	4-24

外形及安装尺寸表 OUT-FORM AND INSTALLATION DIMENSION TABLE

产品型号 Product type	电机型号/功率 Motor type /power (kW)	L	B	S	P	A	W	T	H	h	f	4-φd
IHF65-50-125	Y802-4/0.75	800	750	530	130	70	350	300	360	220	80	4-19
	Y90L-2/2.2	850	740	530	100	70	320	270	350	210	80	4-19
	Y100L-2/3	870	760	550	100	70	320	270	360	220	80	4-19
IHF65-50-160	Y90S-4/1.1	870	800	560	120	70	390	340	400	235	80	4-19
	Y112M-2/4	900	800	560	120	70	350	300	370	235	80	4-19
	Y132S ₁ -2/5.5	960	840	600	120	70	390	340	400	235	80	4-19
IHF65-40-200	Y90L-4/1.5	990	880	560	140	70	390	340	380	260	100	4-19
	Y132S ₂ -2/7.5	1120	850	560	140	70	390	340	380	260	100	4-19
	Y160M ₁ -2/11	1140	980	660	150	70	450	400	440	260	100	4-19
IHF65-40-250	Y100L ₂ -4/3	1030	920	560	200	80	450	400	520	290	100	4-19
	Y160M ₂ -2/15	1180	1170	775	200	80	450	400	520	290	100	4-19
	Y160L-2/18.5	1330	1170	775	200	80	450	400	520	290	100	4-24
IHF80-65-125	Y90S-4/1.1	820	800	560	120	70	350	300	370	235	100	4-24
	Y112M-2/4	900	800	560	120	70	350	300	370	235	100	4-24
	Y132S ₁ -2/5.5	980	840	600	120	70	390	340	400	235	100	4-24
IHF80-65-160	Y90L-4/1.5	840	800	560	130	70	390	340	380	260	100	4-24
	Y132S ₂ -2/7.5	1040	850	560	140	70	390	340	440	260	100	4-24
	Y160M ₁ -2/11	1140	980	660	160	70	460	400	440	260	100	4-24
IHF80-50-200	Y100L ₂ -4/3	940	850	560	140	70	390	340	380	260	100	4-24
	Y160M ₁ -2/11	1000	960	660	150	60	450	400	460	270	100	4-24
	Y160M ₂ -2/15	1020	960	660	150	70	450	400	460	270	100	4-24
IHF80-50-250	Y112M-4/4	1050	920	560	200	80	450	400	510	285	100	4-24
	Y180M-2/22	1250	1050	750	150	80	480	430	510	285	100	4-24
	Y200L ₁ -2/30	1320	1120	820	150	80	510	460	510	285	100	4-24
IHF100-80-125	Y90L-4/1.5	960	800	560	130	80	390	340	440	260	100	4-24
	Y132S ₂ -2/7.5	1040	850	560	140	80	390	340	440	260	100	4-24
	Y160M ₁ -2/11	1140	980	660	150	80	460	400	440	260	100	4-24
IHF100-80-160	Y100L ₁ -4/2.2	940	850	560	140	80	390	340	460	260	100	4-24
	Y160M ₁ -2/11	1140	980	660	150	80	450	400	460	260	100	4-24
	Y160M ₂ -2/15	1140	980	660	150	80	450	400	460	260	100	4-24
IHF100-65-200	Y112M-4/4	1050	920	560	200	80	480	430	525	300	100	4-24
	Y180M-2/22	1250	1050	750	150	80	480	430	525	300	100	4-24
	Y200L ₁ -2/30	1320	1120	820	150	80	510	460	525	300	100	4-24
IHF100-65-250	Y132S ₁ -4/5.5	1140	950	560	160	80	480	430	550	300	100	4-24
	Y200L ₂ -2/37	1380	1220	880	200	80	540	490	550	300	100	4-24
	Y225L-2/45	1780	1450	1280	200	80	610	550	550	300	100	4-24

安装与注意事项 PRECAUTIONS AT INSTALLATION

1、泵的安装是否合理，对泵的正常运行与使用寿命有极其重要影响，故安装和校正必须仔细进行。

2、对照安装尺寸预埋好底脚螺栓，做好混凝土基础工作。

3、待基础水泥凝固后，将泵安装基础上，应用水平仪检查泵和电机轴的水平情况，如不水平，应用垫铁调整直至水平，调妥后拧紧底脚螺母。

4、检查泵的转动部件是否有卡住擦碰现象，应严格检查泵轴与电机的同轴度，可用薄片调整使其同心，最后用于转动联轴器，转动轻松均匀无擦碰现象则为正常。

5、泵吸入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。

6、泵的安装位置高于液面(在泵的吸程允许范围内)时，应在吸入管路端部安装上底阀，并在排出管路上设置灌液螺孔或阀门，供泵起动前灌液之用；泵的安装位置低于液面时，应在吸入管路上安装控制阀门和过滤装置，以防止杂物吸入泵，过滤面积应大于管路面积的3-4倍。

7、扬程高的泵在出口流量控制阀门的外端管路上还应安装逆止阀，以防止突然停机时的水锤破坏。

8、必须保证泵的安装高度符合泵的汽蚀余量，并考虑管路损失及介质温度。

9、泵用于有吸程场合，进水管端应装有底阀，并且进出口管路不应有过多弯道，同时不得有漏水、漏气现象存在。

1. It acts an important influence on the normal work of the pump whether the pump is reasonably mounted, so both installation and correction must be carefully carried out.

2. Preset the foot bolts and make the concrete basis according to the installation dimensions.

3. When the basis cement gets solid, mount the pump onto it and level both pump and motor with a leveler and, if unlevelled, use sizing blocks to regulate and then tighten the bolts.

4. Check if the moving parts on the pump are jammed and collided and check the concentricity between the shafts of both pump and motor, which can be made correctly by means of adjusting with a sheet, and finally check the moving clutch, which shall be lightly movable without collision.

5. Set both suck-in and vomiting pipes with a stand separately and do not let the pump directly bearing the weight of the pipelines to prevent it from damage.

6. When the pump is mounted over the liquid level (within the permitted suction stroke range), mount a foot valve on the end of the suck-in pipeline and set a liquid-pouring screwed hole or a valve on the vomiting one for the purpose of pouring liquid into the pump before start; when the pump is mounted below the level, mount a control valve and a filter on the suck-in pipeline to prevent impurities from being sucked into the pump, with the filtering area bigger than the area of the pipeline by 3-4 times.

7. For the pump of a high head, a check valve shall also be mounted on the pipeline at the outside end of the exit flow control valve so as to prevent the water hammer destruction at an abrupt stop.

8. The installation height of the pump shall conform the net positive suction head of it and both pipeline loss and medium temperature need to be considered.

9. When the pump is used with a suction stroke, mount a foot valve at the end of the incoming water pipe, do not leave too many curved conduits with both inlet and outlet pipelines and make sure of non-water, non-air leaks.

10、在进口管路上最好装有过滤网，以防杂质进入叶轮内部。滤网的有效面积应是进水管面积的3-4倍，以保证液体的自由畅通。

11、为了维护和使用方便安全，在泵组的进、出口管路上各安装一只调节阀及泵出口附近安装一只压力表，以保证泵在额定范围内运行，确保泵的正常运行和使用寿命。

12、进口如需扩径连接，请选用偏心异径管道接头。

10. It will be better for a filtering screen to be set on the inlet pipeline so as to prevent impurities from getting into the impeller and the effective area of the screen shall be 3-4 times that of the incoming water pipe so as to ensure the liquid to go through smoothly.

11. For the sake of safety and convenient use and care, mount a regulating valve on both inlet and outlet pipelines of the pump unit and a pressure gauge near the pump exit so as to make it sure for the pump to work within the rated range and ensure normal work and duration of it.

12. When the inlet needs to be expanded for connection, use an eccentric reduced pipeline joint.

水泵启动、运转和停车 PUMP STAR, RUNNING AND STOP

一、启动

1、泵用于有吸程场合，即进口为负压时，应先向管路中进行灌水或有真空泵引水，使水充满整个泵和进口管路，注意进口管路必须密封，不得有漏气现象存在。

2、关闭出品管上的闸阀及压力计旋塞，以减小启动电流。

3、用手转动转子几圈，使轴承润滑并检查泵内叶轮和密封环运转有无碰擦，如转不动，不应启动，直到找出故障原因为止。

4、试启动，电机转向应和泵上的箭头指向一致，打开压力计旋塞。

5、当转子达到正常运转后，压力计显示出压力时，逐渐打开出口闸阀，调节至所需工况。

二、运转

1、泵在运转时，必须注意观察仪表读数，尽量使泵在铭牌规定的流量扬程附近工作，严防大流量运行。

2、定时检查电机电流值不应超过额定电流。

一. Start

1. When the pump is used with a suction stroke, that is the inlet comes as a negative pressure, first pour water into the pipeline or lead water in with a vacuum pump to have both pump and inlet pipeline full of water. The inlet pipeline must be sealed without air leak.

2. Close the gate valve and the cork on the pressure gauge on the outlet pipeline to reduce the starting current.

3. Turn the rotor several turns to have the bearing lubricated, check if both impeller and seal ring are collided with each other when moving and, if unmovable, do not start the pump till finding out the cause.

4. Carry out a trial start, the motor shall be moving in the direction identical to that the arrow on the pump indicates. Open the cork on the pressure gauge.

5. When the rotor gets to the normal run and the pressure gauge shows a pressure, gradually open the exit valve and adjust it to the desired working condition.

二. Run

1. When the pump is at running, check the readouts on the meters and have the pump work with both flow and head set on the nameplate as can as possible, without working with a big flow.

2. Check the current value of the motor at a regular time interval and it shall not be over the rated one.

3、泵的轴承温度不得高于75℃，并不得超过外界温度35℃。

4、泵在开始运转时应放松填料压盖，当膨胀石墨或填料完全膨胀后再调整到合适的程度。

5、易损件磨损过大应及时更换。

6、发现异常现象，立即停机检查原因。

三、停车

1、关闭出水管路上的闸阀，关闭真空表旋塞。

2、停止电机，然后关闭压力计旋塞。

3、如有冬季寒冷季节，应将泵内液体放尽，以免冻裂。

4、长期停止使用，应将泵拆卸，清洗上油，妥善保管。

3. The bearing temperature shall not be over 75℃ and over the outside one by 35℃.

4. Loosen the packing gland when the pump starts running and then set it properly when the expanding graphite or packing gets expanded completely.

5. Replace the easily wearable parts on time when they are worn out excessively.

6. In case of an abnormality, stop the pump and check the cause.

三. Stop

1. Close the gate valve on the outcoming water pipeline and put on the cork on the vacuum meter.

2. Stop the motor and then close the cork on the pressure gauge.

3. In winter or a cold season, drain out the liquid inside of the pump to prevent it from frozen crack.

4. In case of a long time stop, disassemble the pump, clean and lubricate it and then keep it properly.

泵的维修与保养 REPAIR AND MAINTENANCE OF PUMP

1、定期检查泵和电机，更换易损零件。

2、经常注意对轴承箱加注优质钙基润滑脂，以保证轴承良好的润滑状态。

3、长期停机不使用时，除将泵内腐蚀性液体放尽外，更应注意各部件及泵内流道的清洗干净，并切断电源。

4、泵严密空载运转。

5、介质中如含有固体颗粒时，应在泵入口处须加过滤器。

1. Check both pump and motor and replace the easily wearable parts periodically.

2. Often lubricate the bearing box with quality calcium based lubricating grease to have it in a good lubricated status.

3. In case of a long time stop, in addition to getting the corrosive liquid inside of the pump drained out completely, much attention shall be paid to the cleaning of the parts and the runner therein and cut-off of the power.

4. Never have the pump idly running.

5. Set a filter at the entrance of the pump if there are solid grains in the medium.

故障原因及排除方法 FAILURES CAUSES AND TROUBLESHOOTING

故障现象 Failure	可能产生的原因 Possible causes	排除方法 Troubleshooting
1、水泵不吸水，压力表及真空表的指针剧烈跳动 The pump does not suck water, while the pointers of both pressure gauge and vacuum meter jump severely.	a、灌注引水不够 Insufficient poured water b、管路与仪表联接处漏气 Air leaks from the connection between the pipeline and the meter c、吸程过高 Too high suction stroke	a、检查底阀是否漏水，再灌足引水 Check if water leaks from the foot valve, then pour water sufficiently b、拧紧漏气处 Tighten the air-leak point c、降低吸水高度 Lower it
2、水泵不吸水，真空表指示高度真空 The pump does not suck water, while a high vacuum is shown on the vacuum meter.	a、底阀没有打开或已堵塞 The foot valve is not opened or already blocked b、吸水管路阻力太大 Too heavy resistance to the suction pipeline c、过滤器堵塞 The filter is blocked	a、检查底阀 Check the foot valve b、更换吸水管 Replace it c、清理过滤器 Clear it up
3、压力表有压力，但不出水 No water is out, though there is a pressure shown on the pressure gauge.	a、出水管阻力太大 Too heavy resistance to the outgoing water pipe b、旋转方向不对 Wrong moving direction c、出口管阀门未开 The valve on the outlet pipe is not opened d、叶轮堵塞 The impeller is blocked	a、检查或缩短水管 Check or make the pipe shorter b、检查电机，两相互调 Check the motor, change two phases c、打开出口阀 Open the outlet valve d、清除叶轮内的污物 Clear up the filth therein
4、达不到设计流量 Unable to get the designed flow	a、有空气吸入 Air has been sucked in b、由于水位降低，淹没深度不够 Insufficient submerged depth, because the level becomes reduced c、叶轮内有异物堵塞 Inside of the impeller is blocked by foreign matters d、转子部分严重磨损 The rotor is partially worn out severely	a、检查漏气部位并排除 Check the air-leak point and repair it b、延长吸水管，加深淹没深度 Extend the suction pipe to make it deeper c、拆卸并清除异物 Disassemble the impeller and clear up the foreign matters d、更换密封环 Replace the seal ring
5、泵消耗功率过大 Excessively consumed power by the pump.	a、填料压得过紧，并发热 The packing is pressed too tightly and gets heated b、流量过大 Excessive flow c、回转体与壳体有碰擦 Collision happens between the rotary body and the crust d、泵轴承磨损 The pump bearing is worn out e、泵轴弯曲 The pump shaft gets bent	a、适当放松 Loosen it properly b、并小闸阀开度 Make the opening of the gate valve a little bit smaller c、修整 Do adjustment d、更换轴承 Replace it e、更换或校正 Replace or make it straight
6、泵振动过大 Excessively severe vibration with the pump.	a、叶轮局部有堵塞 The impeller is blocked partially b、叶轮破损 The impeller gets damaged c、流量过大 Excessive flow d、泵轴与电动机不同心 The pump shaft is eccentric to the motor shaft e、轴承破损 The bearing gets damaged f、混入空气，发生汽蚀 Air is mixed in, cavitation erosion happens	a、拆卸清除异物 Disassemble the impeller and clear up the foreign matters b、更换 Replace it c、稍开出口阀 Make the opening of the outlet valve a little bit bigger d、定点找正 Correct it e、更换 Replace it f、改变吸入位，改善吸水管 Change the suck-in position, improve the suction pipe

管路损耗参考表

REFERENCE TABLE FOR PIPELINE LOSS

管径 Pipe diameter (mm)	流 量 Capacity (L/s)											
	1	2	4	6	8	10						
25	32.7	13.0										
38	3.5	14	55				15	20				
50	0.8	3.1	13	29			25	30				
65		1.6	3.2	7.1	13	20			40	50		
75		0.4	0.8	3.3	5.9	9.6				60	70	
100			0.23	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	100	110
150					0.16	0.26	0.58	1.1	1.6	2.3	4.2	6.4
175						0.11	0.27	0.5	0.74	1.05	1.9	2.9
200							0.13	0.26	0.37	0.53	0.93	1.5
250								0.07	0.12	0.18	0.30	0.48
300									0.07	0.12	0.19	0.27

直管摩擦损失简表(供估计用)100m直管损失米数(以新铸铁管为标准，旧管加倍)。
Brief table for the frictional loss of a straight pipe(for evaluation), the lost meters of a 100m straight pipe takes the newly cast iron pipe as the standard and multiple for the old one.

一定管路直径之最大流量限制

LIMIT OF THE MAXIMUN FLOW FOR A PIPE WITH A CERTAIN DIAMETER

管径 Pipe diameter (mm)	最大流量 Maximum flow (L/s)	最大流速 Maximum flow rate (m/s)	管径 Pipe diameter (mm)	最大流量 Maximum flow (L/s)	最大流速 Maximum flow rate (m/s)
25	1	2.04	125	30.0	2.44
38	2.5	1.69	150	43.0	2.45
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	133.0	2.72
100	18.4	2.33	300	192.0	2.71

阀及弯管折合直管长度 (每个)

The length of a straight pipe converted into from both valve and elbow(each)

种 类 Variety	折合直管直径倍数 Convert into the times of the diameter of a straight pipe	备 注 Remark
全开闸阀 Fully opened gate valve	12	未畅开加倍 Multiple in case of unopen
标准弯管 Standard elbow	25	
截止阀 Back valve	100	
底阀 Foot valve	100	部分堵塞加倍 Partial block-up multiplied

注：

例如100mm直管，底阀折合100倍直径等于100×100=10000mm=10m直管长度，假定流量为8L/s，直管每100m损失1.3m，则10m损失0.13m，即一个100mm底阀，流量为8L/s时，则损失扬程0.13m。
Note:For instance, a 100mmdiameter pipe, the foot valve has a 100×100=10000mm=10m diameter when which is converted into 100 times that of the pipe's diameter. Suppose the flow is 8L/s, looked into the above table, the loss of the straight pipe is 1.3m each 100m, then the one for 100mm is 0.13m, that is, for a 100mm foot valve with a flow 8L/s, its head low is 0.13m.

注：超过此限使管路损失显著增加。
Note: The pipeline loss would be made greatly increased once the limit is over.