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

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

IS型单级单吸离心泵

IS Model Single-stage Single-suction Centrifugal Pump



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ZHEJIANG YANGTZE RIVER PUMP CO.,LTD



使用该产品前，请仔细阅读说明书！

Please read the instructions carefully before using this product!

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■ 概述

IS型泵系单级单吸(轴向吸入)离心泵，是全国联合设计的节能泵，它是BA型、B型及其它单级清水离心泵的更新型。优点有：全系列水力性能布局合理，用户选择范围宽，检修方便;效率和吸程达到国际平均先进水平。本型泵适用于工业和城市给水、排水、也可用于农业排灌及供输送清水或物理化学性质类似于清水的其它液体之用，温度不高于80℃。

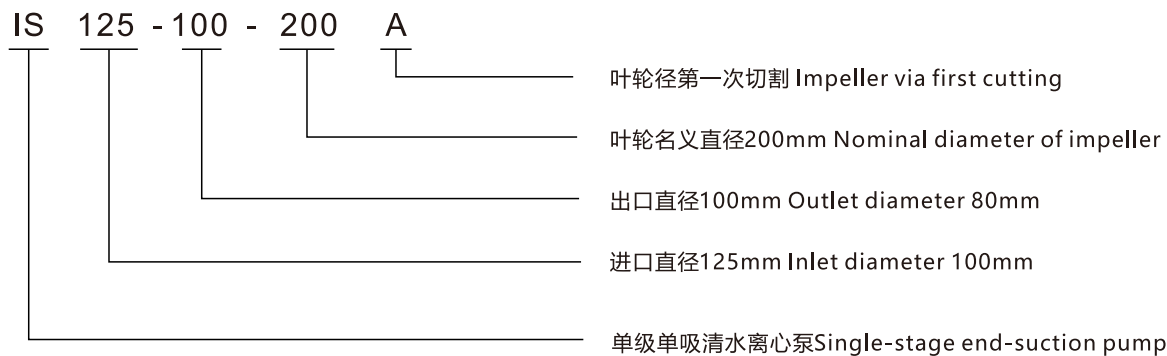
■ 结构说明

1、IS型泵系根据国际标准ISO2858所规定的性能和尺寸设计的，主要由泵体、泵盖、叶轮、轴、密封环、轴套及悬架轴承部件等组成。

■ 性能范围

流量：36.3~400m³/h;
扬程：5~125m
转速：2900r/min和1450r/min;
电机功率：0.55~90KW;
进口直径：50~200mm;
最高工作压力：1.6MPa;

■ 型号意义 Model Meaning



■ Summary

IS series single-stage end-suction (axial intake) centrifugal pump is an energy-saving pump designed by teamwork in the whole nation, it is improved on a basis on model BA, B and other single-stage water centrifugal pump. The advantages: its hydraulic capability is distributed reasonably wide option for user, conveniently check and repair, the efficiency and throw is up to advanced international level. This pump is suitable for industrial and city water supply, water drainage, and widely used for agricultural irrigation, transportation pure water or other liquids which physical and chemical nature is similar to pure water, and the temperature should not be higher than 80.

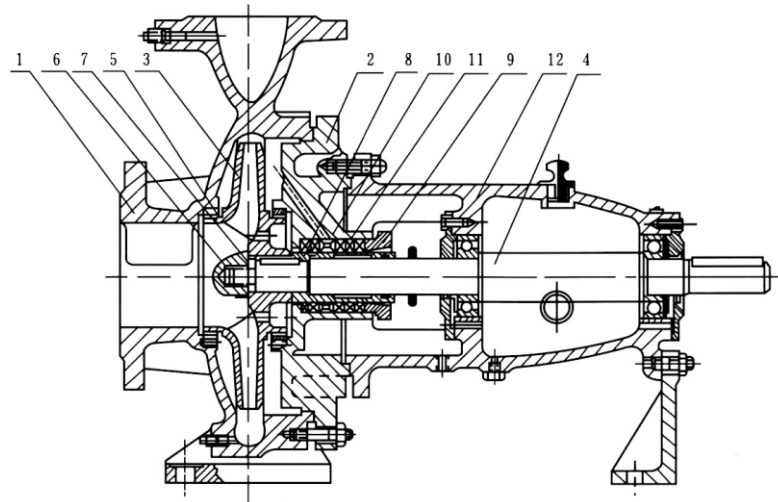
■ About of construction

1. IS series single-stage end-suction centrifugal pump is designed according to the capability and size stipulated in the international Standard ISO2858, it is composed of pump body, pump cover, impeller, shaft, ring seal, sleeve and suspended bearing units.

■ Performance range

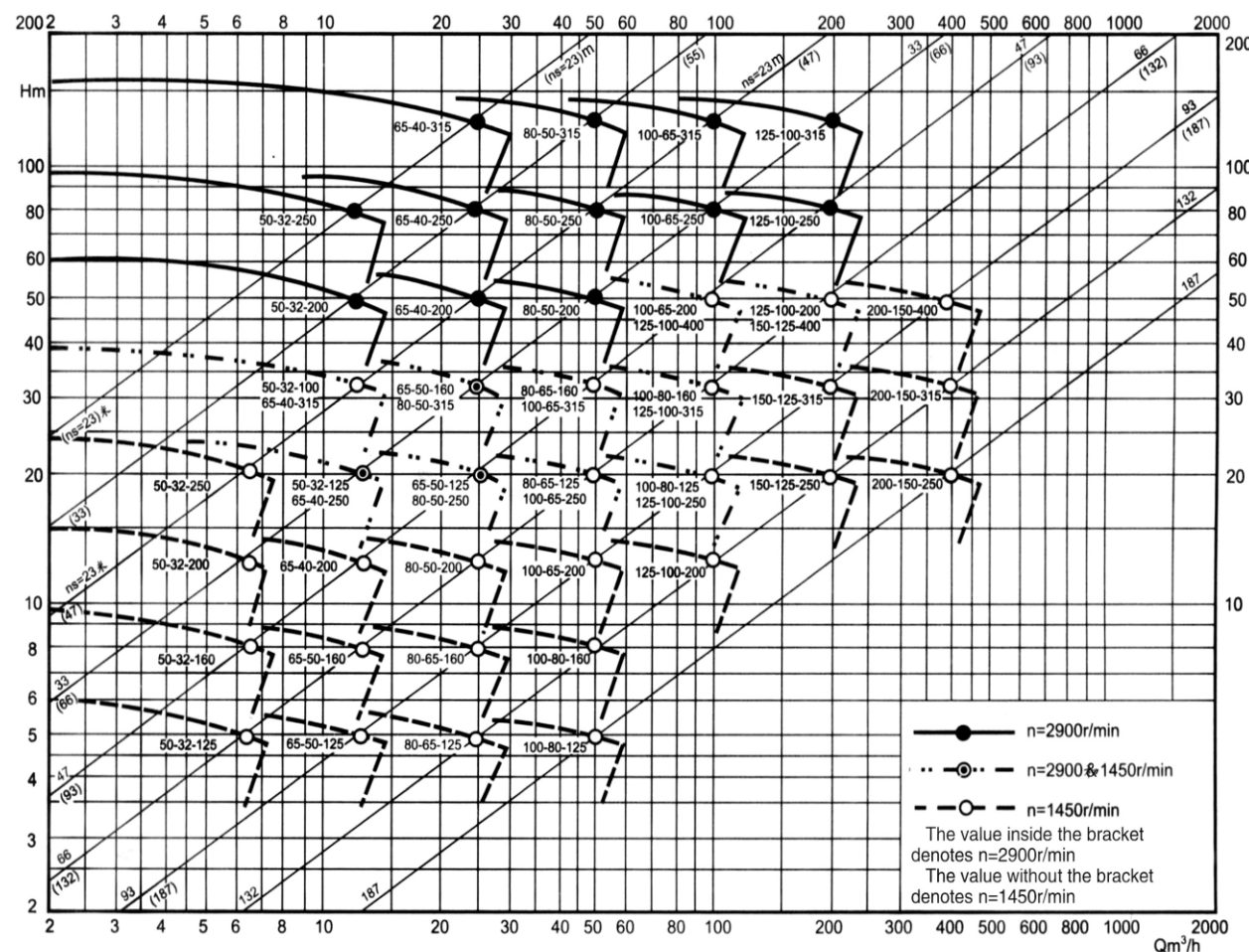
Capacity: 36.3~400m³/h;
Head: 5~125m;
Speed: 2900r/min and 1450r/min;
Power: 0.55-90kW
Inlet diameter: 50~200mm;
MAX pressure: 1.6MPa;

■ 结构说明 Structure



1	泵体Pump casing
2	泵盖Pump cover
3	叶轮Impeller
4	轴 Shaft
5	密封环Sealing ring
6	叶轮螺母Impeller nut
7	止动垫圈Lock washer
8	轴套Muff
9	填料压盖Packing gland
10	填料环Packing ring
11	填料Packing
12	悬架轴承部件 Pendant bearing assembly

■ 性能曲线图 Performance Curve



■ 性能参数表 Performance table

型号 Model	流量 Capacity		扬程 Head (m)	转速 Speed (r/min)	功率 Power		效率 Eff. (%)	叶轮名义 直径 Impeller diameter (mm)	汽蚀余量 NPSH(r) (m)
	m³/h	L/s			轴功率 Shaft	电机功率 power			
IS50-32-125	7.5	2.08	22	2900	0.96	2.2	47	130	2.0
	12.5	3.47	20		1.13		60		2.0
	15	4.17	18.5		1.26		60		2.5
IS50-32-125B	11.2	3.1	16	2900	0.84	1.5	58	116	2.0
IS50-32-160	7.5	2.08	34.3	2900	1.59	3	44	158	2.0
	12.5	3.47	32		2.02		54		2.0
	15	4.17	29.6		2.16		56		2.5
IS50-32-160A	11.7	3.3	28	2900	1.71	3	53	148	2.0
IS50-32-160B	10.8	3	24	2900	1.41	2.2	50	137	2.0
IS50-32-200	7.5	2.08	52.5	2900	2.82	5.5	38	198	2.0
	12.5	3.47	50		3.54		48		2.0
	15	4.17	48		3.95		51		2.5
IS50-32-200B	11.7	3.3	44	2900	3.16	4	45	186	2.0
IS50-32-200C	10.8	3	38	2900	2.60	4	43	173	2.0
IS50-32-250	7.5	2.08	82	2900	5.87	11	28.5	250	2.0
	12.5	3.47	80		7.16		38		2.0
	15	4.17	78.5		7.83		41		2.5
IS50-32-250A	11.7	3.3	70	2900	6.47	11	35	234	2.0
IS50-32-250B	10.8	3	60	2900	5.51	7.5	36	217	2.0
IS65-50-125	15	4.17	21.8	2900	1.54	3	58	130	2.0
	25	6.94	20		1.97		69		2.5
	30	8.33	18.5		2.22		68		3.0
IS65-50-125A	22.4	6.2	16	2900	1.47	3	66	116	2.0
IS65-50-160	15	4.17	35	2900	2.65	5.5	54	165	2.0
	25	6.94	32		3.35		65		2.0
	30	8.33	30		3.71		66		2.5
IS65-50-160A	23.4	6.5	28	2900	2.83	4	63	154	2.0
IS65-50-160B	21.7	6	24	2900	2.35	4	60	143	2.0
IS65-40-200	15	4.17	53	2900	4.42	7.5	49	200	2.0
	25	6.94	50		5.67		60		2.0
	30	8.33	47		6.29		61		2.5
IS65-40-200A	23.4	6.5	44	2900	4.92	7.5	57	188	2.0
IS65-40-200B	21.8	6.1	38	2900	4.13	5.5	55	175	2.0
IS65-40-250	15	4.17	82	2900	9.05	15	37	254	2.0
	25	6.94	80		10.89		50		2.0
	30	8.33	78		12.02		53		2.5
IS65-40-250A	23.4	6.5	70	2900	9.10	15/13	49	238	2.0

■ 性能参数表Performance table

型号 Model	流量 Capacity		扬程 Head (m)	转速 Speed (r/min)	功率 Power		效率 Eff. (%)	叶轮名义 直径 Impeller diameter (mm)	汽蚀余量 NPSH(r) (m)
	m³/h	L/s			轴功率 Shaft	电机功率 power			
IS65-40-250B	21.7	6	60	2900	7.51	11	47	220	2.0
IS65-40-315	15	4.17	127	2900	18.5	30	28	315	2.5
	25	6.94	125		21.3		50		2.5
	30	8.33	123		22.8		44		3.0
IS65-40-315A	23.9	6.6	114	2900	19.41	22	38	301	2.5
IS65-40-315B	22.7	6.3	103	2900	17.19	22	37	286	2.5
IS65-40-315C	21.4	5.9	92	2900	15.20	18.5	35	270	2.5
IS80-65-125	30	8.33	22.5	2900	2.87	5.5	64	137	3.0
	50	13.9	20		3.63		75		3.0
	60	16.7	18		3.98		74		3.5
IS80-65-125A	44.7	12.4	16	2900	2.66	5.5	73	125	3.0
IS80-65-160	30	8.33	36	2900	4.82	7.5	61	168	2.5
	50	13.9	32		5.97		73		2.5
	60	16.7	29		6.59		72		3.0
IS80-65-160A	46.8	13	28	2900	5.10	7.5	70	157	2.5
IS80-65-160B	43.3	12	24	2900	4.15	5.5	68	146	2.5
IS80-50-200	30	8.33	53	2900	7.87	15	55	202	2.5
	50	13.9	50		9.87		69		2.5
	60	16.7	47		10.8		71		3.0
IS80-50-200A	46.8	13	44	2900	8.37	11	67	190	2.5
IS80-50-200B	43.6	12.1	38	2900	6.83	11	66	176	2.5
IS80-50-250	30	8.33	84	2900	13.2	22	52	252	2.5
	50	13.9	80		17.3		63		2.5
	60	16.7	75		19.2		64		3.0
IS80-50-250A	46.8	13	70	2900	14.87	22	60	238	2.5
IS80-50-250B	43.3	13	60	2900	13.18	18.5	58	218	2.5
IS80-50-315	30	8.33	128	2900	25.5	37	41	315	2.5
	50	13.9	125		31.5		54		2.5
	60	16.7	123		35.3		57		3.0
IS80-50-315A	47.8	13.3	108	2900	27.55	37	51	301	2.5
IS80-50-315B	45.4	12.6	103	2900	25.97	30	49	286	2.5
IS80-50-315C	42.9	11.9	92	2900	22.84	30	47	270	2.5
IS100-80-125	60	16.7	24	2900	5.86	11	67	140	4.0
	100	27.8	20		7.0		78		4.5
	120	33.3	16.5		7.28		74		5.0
IS100-80-125B	89.4	24.8	16	2900	5.19	7.5	70	125	4.5

■ 性能参数表Performance table

型号 Model	流量 Capacity		扬程 Head (m)	转速 Speed (r/min)	功率 Power		效率 Eff. (%)	叶轮名义 直径 Impeller diameter (mm)	汽蚀余量 NPSH(r) (m)
	m³/h	L/s			轴功率 Shaft	电机功率 power			
IS100-80-160	60	16.7	36	2900	8.42	15	70	170	3.5
	100	27.8	32		11.2		78		4.0
	120	33.3	28		12.2		75		5.0
IS100-80-160A	93.5	26	28	2900	9.52	15	75	159	4.0
IS100-80-160B	86.6	24.1	24	2900	7.77	11	73	147	4.0
IS100-65-200	60	16.7	54	2900	13.6	22	65	203	3.0
	100	27.8	50		17.9		76		3.6
	120	33.3	47		19.9		77		4.8
IS100-65-200A	93.8	26.1	44	2900	15.01	22	75	190	3.6
IS100-65-200B	87.2	24.2	38	2900	12.52	18.5	72	177	3.6
IS100-65-250	60	16.7	87	2900	23.4	37	61	255	3.5
	100	27.8	80		30.3		72		3.8
	120	33.3	74.5		33.3		73		4.8
IS100-65-250A	93.5	26	70	2900	25.49	37	70	239	3.8
IS100-65-250B	86.6	24.1	60	2900	20.85	30	68	221	3.8
IS100-65-315	60	16.7	133	2900	39.6	75	55	315	3.0
	100	27.8	125		51.6		66		3.6
	120	33.3	118		57.5		67		4.2
IS100-65-315A	95.5	26.5	109	2900	44.2	55	64	301	3.6
IS100-65-315B	90.8	25.2	95	2900	37.87	45	62	286	3.6
IS100-65-315C	85.8	23.8	92	2900	35.78	37	60	271	3.6
IS125-100-200	120	33.3	57.5	2900	28.0	45	67	216	4.5
	200	55.5	50		33.6		81		4.5
	240	66.7	44.5		36.4		80		5.0
IS125-100-200A	187	52	44	2900	28.76	37	78	203	4.5
IS125-100-200B	174.4	48.4	38	2900	23.73	30	76	188	4.5
IS125-100-250	120	33.3	87	2900	43.0	75	66	255	3.8
	200	55.6	80		55.9		78		4.2
	240	66.7	72		62.8		75		5.0
IS125-100-250A	187	52	70	2900	46.96	75	76	239	4.2
IS125-100-250B	173.2	48.1	60	2900	38.24	55	74	221	4.2
IS125-100-315	120	33.3	132.5	2900	72.1	110	60	317	5.0
	200	55.6	125		90.8		75		4.5
	240	66.7	120		101.9		77		4.0
IS125-100-315A	191	53.1	114	2900	81.30	110	73	303	4.5
IS125-100-315B	181.5	50.4	103	2900	71.68	90	71	288	4.5

性能参数表Performance table

型号 Model	流量 Capacity		扬程 Head (m)	转速 Speed (r/min)	功率 Power		效率 Eff. (%)	叶轮名义 直径 Impeller diameter (mm)	汽蚀余量 NPSH(r) (m)
	m³/h	L/s			轴功率 Shaft	电机功率 power			
IS125-100-315C	171.6	47.7	92	2900	62.35	75	69	272	4.2
IS50-32-125	3.75	1.04	5.4	1450	0.13	0.55	43	130	2.0
	6.3	1.74	5.0		0.16		54		2.0
	7.5	2.08	4.6		0.17		55		2.5
IS50-32-125A	5.6	1.6	4	1450	0.12	0.55	53	116	2.0
IS50-32-160	3.75	1.04	5.4	1450	0.13	0.55	43	158	2.0
	6.3	1.74	5.0		0.16		54		2.0
	7.5	2.08	4.6		0.17		55		2.5
IS50-32-160A	5.8	1.6	4.6	1450	0.15	0.55	46	148	2.0
IS50-32-160B	5.4	1.5	4.1	1450	0.14	0.55	43	137	2.0
IS50-32-200	3.75	1.04	13.1	1450	0.41	0.75	33	198	2.0
	6.3	1.74	12.5		0.51		42		2.0
	7.5	2.08	12		0.56		44		2.5
IS50-32-200A	5.8	1.6	11	1450	0.43	0.75	40	186	2.0
IS50-32-200B	5.4	1.5	9.5	1450	0.37	0.55	38	173	2.0
IS50-32-250	3.75	1.04	20.5	1450	0.91	1.5	23	250	2.0
	6.3	1.74	20		1.07		32		2.0
	7.5	2.08	19.5		1.14		35		2.5
IS50-32-250A	5.8	1.6	17.5	1450	0.92	1.5	30	234	2.0
IS50-32-250B	5.4	1.5	15	1450	0.85	1.5	26	217	2.0
IS65-50-125	7.5	2.08	5.35	1450	0.21	0.55	53	130	2.0
	12.5	3.47	5.0		0.27		64		2.0
	15	4.17	4.7		0.30		65		2.5
IS65-50-125A	11.2	3.1	4	1450	0.20	0.55	62	116	2.0
IS65-50-160	7.5	2.08	8.8	1450	0.36	0.75	50	165	2.0
	12.5	3.47	8.0		0.45		60		2.0
	15	4.17	7.2		0.49		60		2.5
IS65-50-160A	11.7	3.3	7	1450	0.39	0.75	58	154	2.0
IS65-50-160B	10.8	3	6	1450	0.32	0.55	56	143	2.0
IS65-40-200	7.5	2.08	13.2	1450	0.63	1.1	43	200	2.0
	12.5	3.47	12.5		0.77		55		2.0
	15	4.17	11.8		0.85		57		2.5
IS65-40-200A	11.7	3.3	11	1450	0.70	1.1	51	188	2.0
IS65-40-200C	10.8	3	9.5	1450	0.58	0.75	48	175	2.0
IS65-40-250	7.5	2.08	21	1450	1.23	2.2	35	254	2.0
	12.5	3.47	20		1.48		46		2.0
	15	4.17	19.4		1.65		48		2.5

性能参数表Performance table

型号 Model	流量 Capacity		扬程 Head (m)	转速 Speed (r/min)	功率 Power		效率 Eff. (%)	叶轮名义 直径 Impeller diameter (mm)	汽蚀余量 NPSH(r) (m)
	m³/h	L/s			轴功率 Shaft	电机功率 power			
IS65-40-250A	11.7	3.25	17.5	1450	1.23	2.2	46	238	2.0
IS65-40-250B	10.8	3	15	1450	1.00	1.5	44	220	2.0
IS65-40-315	7.5	2.08	32.3	1450	2.63	4	25	315	2.5
	12.5	3.47	32.0		2.94		37		2.5
	15	4.17	31.7		3.16		41		3.0
IS65-40-315A	11.9	3.3	28.5	1450	2.63	4	35	301	2.5
IS65-40-315B	11.3	3.2	25.8	1450	2.38	3	34	286	2.5
IS65-40-315C	10.7	3	23	1450	2.11	3	32	270	2.5
IS80-65-125	15	4.17	5.6	1450	0.42	0.75	55	137	2.5
	25	6.94	5		0.48		71		2.5
	30	8.33	4.5		0.51		72		3.0
IS80-65-125A	22.4	6.2	4	1450	0.35	0.75	69	125	2.5
IS80-65-160	15	4.17	9	1450	0.67	1.5	55	168	2.5
	25	6.94	8		0.79		69		2.5
	30	8.33	7.2		0.86		68		3.0
IS80-65-160A	23.4	6.5	7	1450	0.68	1.1	66	157	2.5
IS80-65-160B	21.7	6	6	1450	0.55	1.1	64	146	2.5
IS80-50-200	15	4.17	13.2	1450	1.06	2.2	51	202	2.5
	25	6.94	12.5		1.31		65		2.5
	30	8.33	11.8		1.41		67		3.0
IS80-50-200A	23.4	6.5	11	1450	1.10	1.5	64	190	2.5
IS80-50-200B	21.8	6.1	9.5	1450	0.90	1.5	63	176	2.5
IS80-50-250	15	4.17	21	1450	1.75	3	49	252	2.5
	25	6.94	20		2.27		60		2.5
	30	8.33	18.8		2.52		61		3.0
IS80-50-250A	23.4	6.5	17.5	1450	1.96	3	57	238	2.5
IS80-50-250B	21.7	6	15	1450	1.60	2.2	55	218	2.5
IS80-50-315	15	4.17	32.5	1450	3.4	5.5	39	315	2.5
	25	6.94	32		4.19		52		2.5
	30	8.33	31.5		4.6		56		3.0
IS80-50-315A	23.9	6.6	28.5	1450	3.76	5.5	49	301	2.5
IS80-50-315B	22.7	6.3	25.8	1450	3.46	4	46	286	2.5
IS80-50-315C	21.4	6	23	1450	3.07	4	44	270	2.5
IS100-80-125	30	8.33	6	1450	0.77	1.5	64	140	2.5
	50	13.9	5		0.91		75		2.5
	60	16.7	4		0.92		71		3.0

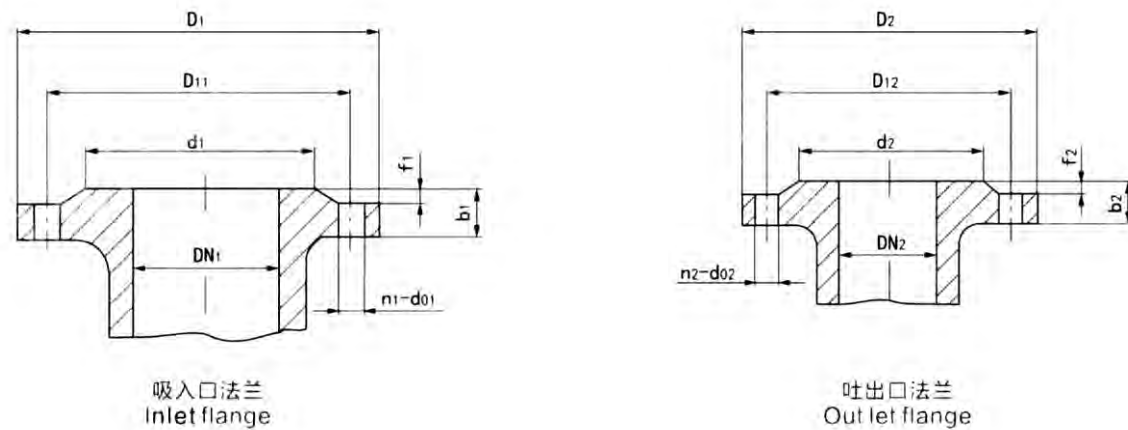
■ 性能参数表Performance table

型号 Model	流量 Capacity		扬程 Head (m)	转速 Speed (r/min)	功率 Power		效率 Eff. (%)	叶轮名义 直径 Impeller diameter (mm)	汽蚀余量 NPSH(r) (m)
	m³/h	L/s			轴功率 Shaft	电机功率 power			
IS100-80-125B	44.7	12.4	4	1450	0.68	1.1	66	125	2.5
IS100-80-160	30	8.33	9.2	1450	1.12	2.2	67	170	2.0
	50	13.9	8.0		1.45		75		2.5
	60	16.7	6.8		1.57		71		3.5
IS100-80-160A	46.8	13	7	1450	1.24	2.2	72	159	2.5
IS100-80-160B	43.3	12	6	1450	1.01	1.5	70	147	2.5
IS100-65-200	30	8.33	13.5	1450	1.84	4	60	203	2.0
	50	13.9	12.5		2.33		73		2.0
	60	16.7	11.8		2.61		74		2.5
IS100-65-200A	46.9	13	11	1450	1.95	3	72	190	2.0
IS100-65-200B	43.6	12.1	9.5	1450	1.63	3	69	177	2.0
IS100-65-250	30	8.33	21.3	1450	3.16	5.5	55	255	2.0
	50	13.9	20		4.00		68		2.0
	60	16.7	19		4.44		70		2.5
IS100-65-250A	46.8	13	17.5	1450	3.38	5.5	66	239	2.0
IS100-65-250B	43.3	12	15	1450	2.76	4	64	221	2.0
IS100-65-315	30	8.33	34	1450	5.44	11	51	315	2.0
	50	13.9	32		6.92		63		2.0
	60	16.7	30		7.67		64		2.5
IS100-65-315A	47.7	13.3	28.5	1450	6.09	11	61	301	2.0
IS100-65-315B	45.4	12.6	25.8	1450	5.40	7.5	59	286	2.0
IS100-65-315C	42.9	11.9	23	1450	4.71	5.5	57	271	2.0
IS125-100-200	60	16.7	14.5	1450	3.83	7.5	62	216	2.5
	100	27.8	12.5		4.48		76		2.5
	120	33.3	11.0		4.79		75		3.0
IS125-100-200A	93.5	26	11	1450	3.84	5.5	73	203	2.5
IS125-100-200B	87.2	24.2	9.5	1450	3.17	5.5	71	188	2.5
IS125-100-250	60	16.7	21.5	1450	5.59	11	63	255	2.5
	100	27.8	20		7.17		76		2.5
	120	33.3	18.5		7.84		77		3.0
IS125-100-250A	93.5	26	17.5	1450	6.03	11	74	239	2.5
IS125-100-250B	86.6	24.1	15	1450	4.92	7.5	72	221	2.5
IS125-100-315	60	16.7	33.5	1450	9.4	15	58	317	2.5
	100	27.8	32		11.9		73		2.5
	120	33.3	30.5		13.5		74		3.0
IS125-100-315A	95.5	26.5	28.5	1450	10.43	15	71	303	2.5

■ 性能参数表Performance table

型号 Model	流量 Capacity		扬程 Head (m)	转速 Speed (r/min)	功率 Power		效率 Eff. (%)	叶轮名义 直径 Impeller diameter (mm)	汽蚀余量 NPSH(r) (m)
	m³/h	L/s			轴功率 Shaft	电机功率 power			
IS125-100-315B	90.8	25.2	25.8	1450	9.37	15	68	288	2.5
IS125-100-315C	85.8	23.8	23	1450	8.13	11	66	272	2.5
IS125-100-400	60	16.7	52	1450	16.1	30	53	395	2.5
	100	27.8	50		21.0		65		2.5
	120	33.3	48.5		23.6		67		3.0
IS125-100-400A	93.5	26	44	1450	17.8	22	63	371	2.5
IS125-100-400B	86.6	24.1	38	1450	14.96	18.5	63	345	2.5
IS150-125-250	120	33.3	22.5	1450	10.4	18.5	71	260	3.0
	200	55.6	20		13.5		81		3.0
	240	66.7	17.5		14.7		78		3.5
IS150-125-250A	187	52	17.5	1450	11.44	15	78	243	3.0
IS150-125-250B	173	48	15	1450	9.29	15	76	225	3.0
IS150-125-315	120	33.3	34	1450	15.9	30	70	325	2.5
	200	55.6	32		22.1		79		2.5
	240	66.7	29		23.7		80		3.0
IS150-125-315A	187	52	28	1450	18.78	22	76	304	2.5
IS150-125-315B	173	48	24	1450	15.47	18.5	73	282	2.5
IS150-125-400	120	33.3	53	1450	27.9	45	62	400	2.0
	200	55.6	50		36.3		75		2.8
	240	66.7	46		40.6		74		3.5
IS150-125-400A	187	52	44	1450	30.73	45	73	375	2.8
IS150-125-400B	173	48	38	1450	25.19	37	71	348	2.8
IS200-150-250	240	66.7	25	1450	23.7	37	69	375	3.0
	400	111.1	22		29.1		82.5		3.5
	460	127.8	20		30.6		82		4.0
IS200-150-250A	374	104	17.5	1450	22.30	30	80	257	3.4
IS200-150-250B	346	96	15	1450	18.10	30	78	238	4.6
IS200-150-315	240	66.7	37	1450	34.6	55	70	348	3.0
	400	111.1	32		42.5		82		3.5
	460	127.8	28.5		44.6		80		4.0
IS200-150-315A	374	104	28	1450	35.69	45	80	326	3.5
IS200-150-315B	346	96	24	1450	28.96	37	70	301	3.5
IS200-150-400	240	66.7	55	1450	48.6	90	74	395	3.0
	400	111.1	50		67.2		81		3.8
	460	127.8	45		74.2		76		4.5
IS200-150-400A	374	104	44	1450	56.79	75	79	371	3.8
IS200-150-400B	346	96	38	1450	46.45	75	77	342	3.8

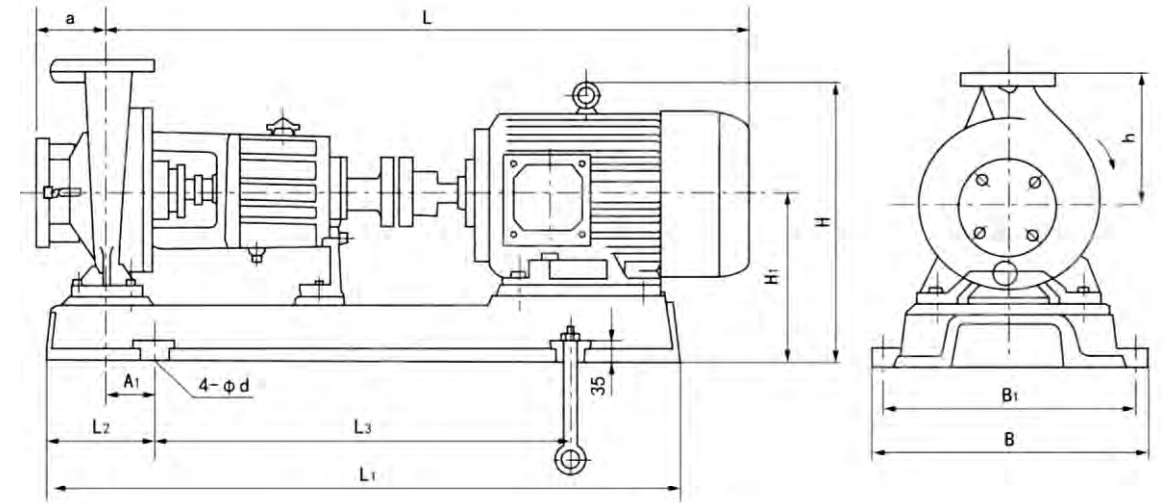
■ 进出口法兰示意图 In-outlet flange dimension drawing



■ 进出口法兰尺寸表 In-outlet flange dimension table

型号 Model	吸入口法兰尺寸 Input flange size							吐出口法兰尺寸 Output flange size						
	DN1	D1	D11	d1	b1	f1	n1-d01	DN2	D2	D12	d2	b2	f2	n2-d02
IS50-32-125	50	165	125	102	20	3	4-17.5	32	140	100	78	18	2	4-17.5
IS50-32-160	50	165	125	102	20	3	4-17.5	32	140	100	78	18	2	4-17.5
IS50-32-200	50	165	125	102	20	3	4-17.5	32	140	100	78	18	2	4-17.5
IS50-32-250	50	165	125	102	20	3	4-17.5	32	140	100	78	18	2	4-17.5
IS65-50-125	65	185	145	122	20	3	4-17.5	50	165	125	102	20	3	4-17.5
IS65-50-160	65	185	145	122	20	3	4-17.5	50	165	125	102	20	3	4-17.5
IS65-40-200	65	185	145	122	20	3	4-17.5	40	150	110	88	18	3	4-17.5
IS65-40-250	65	185	145	122	20	3	4-17.5	40	150	110	88	18	3	4-17.5
IS65-40-315	65	185	145	122	20	3	4-17.5	40	150	110	88	18	3	4-17.5
IS80-65-125	80	200	160	133	20	3	8-17.5	65	185	145	122	20	3	4-17.5
IS80-65-160	80	200	160	133	20	3	8-17.5	65	185	145	122	20	3	4-17.5
IS80-50-200	80	200	160	133	20	3	8-17.5	50	165	125	102	20	3	4-17.5
IS80-50-250	80	200	160	133	20	3	8-17.5	50	165	125	102	20	3	4-17.5
IS80-50-315	80	200	160	133	20	3	8-17.5	50	165	125	102	20	3	4-17.5
IS100-80-125	100	220	180	158	22	3	8-17.5	80	200	160	133	20	3	8-17.5
IS100-80-160	100	220	180	158	22	3	8-17.5	80	200	160	133	20	3	8-17.5
IS100-65-200	100	220	180	158	22	3	8-17.5	65	185	145	122	20	3	4-17.5
IS100-65-250	100	220	180	158	22	3	8-17.5	65	185	145	122	20	3	4-17.5
IS100-65-315	100	225	180	158	22	3	8-17.5	65	185	145	122	20	3	4-17.5
IS125-100-200	125	250	210	184	22	3	8-17.5	100	220	180	158	22	3	8-17.5
IS125-100-250	125	250	210	184	22	3	8-17.5	100	220	180	158	22	3	8-17.5
IS125-100-315	125	250	210	184	22	3	8-17.5	100	220	180	158	22	3	8-17.5
IS125-100-400	125	250	210	184	22	3	8-17.5	100	220	180	158	22	3	8-17.5
IS150-125-250	150	285	240	212	24	3	8-22	125	250	210	184	22	3	8-17.5
IS150-125-315	150	285	240	212	24	3	8-22	125	250	210	184	22	3	8-17.5
IS150-125-400	150	285	240	212	24	3	8-22	125	250	210	184	22	3	8-17.5
IS200-150-250	200	340	295	268	24	3	12-22	150	285	240	212	24	3	8-22
IS200-150-315	200	340	295	268	24	3	12-22	150	285	240	212	24	3	8-22
IS200-150-400	200	340	295	268	24	3	12-22	150	285	240	212	24	3	8-22

■ 外形及安装尺寸图 Out-form and installation dimension drawing



■ 外形及安装尺寸表 Out-form and installation dimension table

泵 PUMP		电机Motor		L ₁	L ₂	L ₃	A ₁	B ₁	H ₁	a	h	d	H	L	B	总重 Total weight (kg)								
型号Model	叶轮形式 Impeller type	型号Model	KW																					
IS50-32-125	O	90L-2	2.2	755	170	480	90	350	200	80	140	16	300	800	400	95								
	A																							
	B	90S-2	1.5	730	150	440	70	320						775	370	90								
	C	802-2	1.1	705									450	750		82								
IS50-32-125(J)	O	801-4	0.55	705	150	440	70	320	200	80	140	16	450	750	370	83								
	A																							
	B																							
	C																							
IS50-32-160	O	100L-2	3	780	170	480	90	350	220	80	160	16	365	845	400	113								
	A																							
	B	90L-2	2.2	755																	320	800	105	
	C	90S-2	1.5																	775	102			
IS50-32-160(J)	O	801-4	0.55	705	150	440	70	320	220	80	160	16	310	750	370	92								
	A																							
	B																							
	C																							
IS50-32-200	O	132S1-2	5.5	830	190	540	110	400	250	80	180	16	435	940	450	152								
	A																							
	B	112M-2	4	790	170	450	90	350									405	865	400	131				
	C																							
IS50-32-200(J)	O	802-4	0.75	705	150	440	70	320	250	80	180	16	340	750	370	97								
	A																							
	B																							
	C	801-4	0.55																		96			
IS50-32-250	O	160M1-2	11	1075	220	660	130	490	270	100	225	20	495	1200	540	256								
	A																							
	B	132S2-2	7.5	965	205	600	115	440									205							
	C	132S1-2	5.5															199						

■ 外形及安装尺寸表 Out-form and installation dimension table

泵 PUMP		电机Motor		L1	L2	L3	A1	B1	H1	a	h	d	H	L	B	总重 Total weight (kg)					
型号Model	叶轮形式 Impeller type	型号Model	KW																		
IS50-32-250(J)	O	90L-4	1.5	885	185	540	95	400	270	100	225	16	370	935	450	158					
	A													910		153					
	B	90S-4	1.1														103				
	C																				
IS65-50-125	O	100L-2	3	780	170	480	90	350	200	80	112	16	345	845	400	113					
	A	90L-2	2.2	755									300	800		103					
	B																				
	C																				
IS65-50-125(J)	O	801-4	0.55	705	150	440	70	320	200	80	112	16	290	750	370	91					
	A																				
	B																				
	C																				
IS65-50-160	O	132S1-2	5.5	830	170	480	90	350	220	80	160	16	405	940	400	148					
	A	112M-2	4	790									375	865		130					
	B	100L-2	3	780									365	845		117					
	C																				
IS65-50-160(J)	O	802-4	0.75	705	170	440	70	320	220	80	160	16	310	750	370	96					
	A																				
	B	801-4	0.55													95					
	C																				
IS65-40-200	O	132S2-2	7.5	830	185	540	110	400	250	100	180	16	435	1075	450	170					
	A																				
	B	132S1-2	5.5													164					
	C																				
IS65-40-200(J)	O	90S-4	1.1	755	170	480	90	350	250	100	180	16	360	910	400	119					
	A																				
	B	802-4	0.75										715	165		111					
	C																				
IS65-40-250	O	160M2-2	15	1075	220	660	130	490	270	100	225	20	495	1200	540	278					
	A	(160M2-2)	13													290					
	B	160H1-2	11													270					
	C																				
IS65-40-250(J)	O	100L1-4	2.2	910	185	540	95	400	270	100	225	16	395	980	450	178					
	A																				
	B	90L-4	1.5										885	350		935	170				
	C																				
IS65-40-315	O	200L1-2	30	1200	245	740	155	550	290	125	250	20	565	1400	600	417					
	A	180M-2	22	1135	220	660	130	490					540	1295	540	365					
	B	160L-2	18.5	1300									515	1270		320					
	C	160M2-2	15	1225									298								
IS65-40-315(J)	O	112M-2	4	915					200	600	115	440	290	125		250	16	445	1025	490	212
	A																				
	B	100L2-4	3		205	435	1005	205													
	C																				
IS80-65-125	O	132S1-2	5.5	830	190	540	110	400	220	100	160	16	405	960	490	138					
	A																				
	B	112M-2	4										790	170		480	90	350	375	885	124
	C	100L-2	3										780						365	865	107

■ 外形及安装尺寸表 Out-form and installation dimension table

泵 PUMP		电机Motor		L1	L2	L3	A1	B1	H1	a	h	d	H	L	B	总重 Total weight (kg)							
型号Model	叶轮形式 Impeller type	型号Model	KW																				
IS80-65-125(J)	O	802-4	0.75	705	150	440	70	320	220	100	160	16	290	770	370	84							
	A																						
	B	801-4	0.55													83							
	C																						
IS80-65-160	O	132S2-2	7.5	830	185	540	110	400	250	100	180	16	435	960	450	155							
	A																						
	B	132S1-2	5.5													149							
	C																						
IS80-65-160(J)	O	90L-4	1.5	755	170	480	90	350	250	100	180	16	350	820	400	108							
	A	90S-4	1.1											795		105							
	B	802-4	0.75	715	165								340	770		95							
	C																						
IS80-50-200	O	160M2-2	15	955	210	600	130	440	250	100	200	16	475	1085	490	230							
	A	160M1-2	11													222							
	B	132S2-2	7.5										830	185	540	110	400	435	960	450	160		
	C	100L1-4	2.2										780	365	865	120							
IS80-50-200(J)	O	100L1-4	2.2	755	170	480	90	350	250	100	200	16	350	820	400	114							
	A	90L-4	1.5											795		109							
	B	90S-4	1.1																				
	C																						
IS80-50-250	O	180M-2	22	1135	220	660	130	490	270	100	225	20	520	1270	540	335							
	A																						
	B	160L-2	18.5	1300									495	1245		1200	305						
		(160L1-2)	17																				
		160M2-2	15																				
	C	(160M2-2)	13															270					
IS80-50-250(J)	O	100L2-4	3	910	185	540	95	400	270	100	225	16	395	980	450	175							
	A																						
	B	100L1-4	2.2													171							
	C																						
IS80-50-315	O	200L2-2	37	1200	245	740	155	550	315	125	280	20	590	1400	600	430							
	A																						
	B	200L2-2	30										416										
	C	180M-2	22										1135	220	660	130	490	565	1295	540	363		
IS80-50-315(J)	O	132S-4	5.5	965	205	600	115	440	315	125	280	16	500	1100	490	235							
	A																						
	B	112M-4	4	615	200								470	1025		207							
	C																						
IS100-80-125	O	160M1-2	11	955	205	600	115	440	250	125	180	16	475	1085	490	210							
	A																						
	B	132S2-2	7.5										850	185		540	95	400	435	960	450	157	
	C	132S1-2	15										151										
IS100-80-125(J)	O	90L-4	1.5	765	165	480	75	350	250	100	180	16	350	820	400	111							
	A																						
	B	90S-4	1.1										795	106									
	C																						
IS100-80-160	O	160M2-2	15	1075	220	660	130	490	250	100	200	20	475	1200	540	250							
	A	(160M2-2)	13																				
	B	160M1-2	11													242							
	C																						

■ 外形及安装尺寸表 Out-form and installation dimension table

泵 PUMP		电机Motor		L1	L2	L3	A1	B1	H1	a	h	d	H	L	B	总重 Total weight (kg)						
型号Model	叶轮形式 Impeller type	型号Model	KW																			
IS100-80-160(J)	O	100L1-4	2.2	910	185	540	95	400	250	100	200	16	395	980	450	150						
	A																					
	B	90L-4	1.5	855									350	935		141						
	C																					
IS100-65-200	O	180M-2	22	1135	220	660	130	490	270	100	225	20	520	1270	540	335						
	A	160L-2	18.5	1130									495	1245		303						
		(160L1-2)	17										1200	270								
	C	160M2-2	15	1075									425	1000		181						
IS100-65-200(J)	O	112M-4	4		200	600	115	440	270	100	225	16	415	980	490	177						
	A	100L2-4	3	915									415	980		177						
	B																					
	C	100L1-4	2.2													173						
IS100-65-250	O	200L2-2	37	1215	245	740	140	550	290	125	250	20	565	1400	590	440						
	A	(200L2-2)	33													425						
	B	200L1-2	30														425					
	C	(180L-2)	25										1195	220		660	115	490	540	1335	540	385
IS100-65-250(J)	O	132S-4	5.5	1015	210	600	100	440	290	125	250	16	475	1100	490	231						
	A																					
	B	112M-4	4	940									445	1025		203						
	C																					
IS100-65-315	O	280S-2	75	1505	325	940	210	670	390	125	280	20	750	1655	720	824						
	A	250M-2	55	1385									295	840		180	600	360	685	1585	650	683
	B	225M-2	45	1295													315	640	1430	568		
	C	200L2-2	37	1260									250	740		140	550	590	1430	600	496	
IS100-65-315(J)	O	160M-4	11	1125	225	660	115	490	315	125	280	20	540	1255	540	353						
	A																					
	B	132M-4	7.5	1055									500	1170		300						
	C	132S-4	5.5										1130	286								
IS125-80-160	Z	200L1-2	30	1200	245	740	155	550	290	125	225	20	585	1410	600	386						
	O	180M-2	22	1135									520	1305		326						
	A	160L-2	18.5	1125									220	660		130	490	270	495	1280	540	285
	B	160M-2	15																	1225		262
IS125-80-160(J)	Z	112M-4	4	915	205	600	115	440	270	125	225	16	425	1035	490	174						
	O	100L2-4	3										420	1015		170						
	A	100L1-4	2.2																			
	B																					
IS125-80-200	Z	225M-2	45	1270	260	740	140	550	315	125	250	20	640	1450	590	500						
	O	200L2-2	37	1215									585	1410		430						
	A	2000L1-2	30											415								
	B	180M-2	22	1200									220	660		115	490	270		1305	540	345
IS125-80-200(J)	Z	132S-4	5.5	1015	205	600	100	440	290	125	250	16	500	1110	490	230						
	O	112M-4	4	940									465	1035		200						
	A																					
	B	100L2-4	3	930									435	1015		190						
IS125-80-250	Z	280S-2	75	1505	325	940	210	670	390	125	280	20	750	1635	820	775						
	O	250M-2	55	1385									295	840		180	600	360	685	1565	860	
	A	225M-2	45	1295													335	640	1450	650	530	
	B	200L2-2	37	1260									250	740		140	550	315	590	1410	600	455

■ 外形及安装尺寸表 Out-form and installation dimension table

泵 PUMP		电机Motor		L1	L2	L3	A1	B1	H1	a	h	d	H	L	B	总重 Total weight (kg)							
型号Model	叶轮形式 Impeller type	型号Model	KW																				
IS125-80-250(J)	Z	160M-4	11	1125	220	660	115	490	315	125	280	20	540	1225	540	315							
	O	132M-4	7.5	1055									1150	260									
	A	132S-4	5.5	1600									500	1110		245							
	B																						
IS125-80-315	Z	315S-2	110	1505	325	940	210	670	425	125	315	20	975	1855	720	1290							
	O	280M-2	90	1385					415				750	1715		910							
	A	280S-2	75											1665		815							
	B																						
	C	(250M-2)	60											1125	295	840	180	600	385	685	1600	650	710
IS125-80-315(J)	Z	160L-4	15	1055	220	660	115	490	340	125	315	20	565	1310	540	390							
	O	160M-4	11										525	1180		645	1440	590	370				
	A																			1265	315		
	B																						
	C														132M-4					7.5	1260	525	1180
IS125-80-400	Z	200L-4	30	1230	245	740	140	550	370	125	355	20	645	1440	590	575							
	O	180L-4	22	1180									620	1375		590	500						
	A	180M-4	18.5															1335	490				
	B	160L-4	15																	600	1310	450	
IS125-100-200	O	225M-2	45	1270	260	740	140	550	335	125	280	20	640	1440	590	500							
	A	200L2-2	37	1215	245				290				565	1440		590	435						
	B	200L1-2	30	220	660													115	490	540	1335	540	370
	C	(180L-2)	25	1195																			
IS125-100-200(J)	O	132M-4	7.5	1015	210	600	100	440	290	125	280	16	475	1140	490	227							
	A	132S-4	5.5										445	1025		1100	490	214					
	B																						
	C														112M-4				4	940			
IS125-100-250	O	280S-2	75	1505	325	940	210	670	390	140	280	20	750	1690	820	817							
	A	(250M2-2)	60	1385	295	840	180	600	360				685	1620	650	676							
	B	250M-2	55														1295	335	640	1505	530		
		(225M2-2)	50																				
	C	225M-2	45	1260	250	740	140	550	315				590	1465	600	530							
		(200L4-2)	40																				
IS125-100-250(J)	O	160M-4	11	1125	225	660	115	490	315	140	280	20	540	1290	540	346							
	A	132M-4	7.5	1055									500	1205		540	292						
	B																	132S-4	5.5	1165	279		
	C																						
IS125-100-315	O	315S-2	110	1540	325	940	210	670	425	140	315	20	975	1870	720	1290							
	A	(280M2-2)	100	415					750				1820	920									
	B	280M-2	90													1505	1680	720	845				
		(280S2-2)	80																				
C	280S-2	75																					
IS125-100-315(J)	O	160L-4	15	1180	250	740	140	550	340	140	315	20	565	1325	600	410							
	A	(160M2-4)	13	1125	220	660	115	490					1325	600									
	B	160L-4	15	1180	250	740	140	550							540		1280	540					
		(160M2-4)	13	1125	220	660	115	490															
IS125-100-400	C	160M-4	11	1285	290	840	160	600	390	140	355	20	665	1455	650	700							
	O	200L-4	30	1245									640	1390		650	522						
	A	180L-4	22																				
	B	180M-4	18.5																				
C	160L-4	15	1215												490								

■ 外形及安装尺寸表 Out-form and installation dimension table

泵 PUMP		电机Motor		L1	L2	L3	A1	B1	H1	a	h	d	H	L	B	总重 Total weight (kg)	
型号Model	叶轮形式 Impeller type	型号Model	KW														
IS150-125-250	O	180M-4	18.5	1225	250	740	140	550	340	140	355	20	590	1350	600	435	
	A	160L-4	15	1180									565	1325		400	
	B	(160M2-4)	13	1015									540	1280		590	380
	C	160M-4	11	1015									540	1280		590	360
IS150-125-315	O	200L-4	30	1285	290	840	160	600	300	140	355	20	665	1455	650	605	
	A	180L-4	22	1245									640	1390		525	
	B	180M-4	18.5	1245									640	1350		517	
	C	160L-4	15	1215									615	1325		486	
IS150-125-400	O	225M-4	45	1345	290	840	160	600	425	140	400	20	730	1545	650	640	
	A	(200L4-4)	40	1285									685	1475			
	B	225S-4	37	1345									730	1520		610	
		(200L2-4)	33	1285									685	1475			
	C	200L-4	30	1285									640	1410		600	
		(180L2-4)	25	1245									640	1410			
IS200-150-250	O	225S-4	37	1320	290	840	160	600	390	160	375	20	695	1500	650	635	
	A	200L-4	30	1285									665	1455		625	
	B	(180L2-4)	25	1245									640	1390			
	C	180L-4	22	1245									640	1390		545	
IS200-150-315	O	250M-4	55	1555	320	940	190	670	425	160	400	20	750	1750	730	825	
	A	225M-4	45	1495									730	1665		730	
	B	225S-4	37	1495									730	1640		690	
	C	200L-4	30	1430									700	1595		685	
IS200-150-400	O	280M-4	90	1665	320	940	190	670	425	160	450	20	1890	730	1110		
	A	280S-4	75										785		1840	1050	
	B	(250M2-4)	60										750		1770		
		250M-4	55										1555		730	1685	865
	C	(225M2-4)	50										1495		730	1685	

注：1、“电机型号”栏中带括号的是YDX型低谐波绕
组三相异步电动机，不带括号的是通用的Y系列电机。

2、“叶轮型式”栏中的“O”表示未经切割叶轮
外径的泵。

3、“总重”栏中的数据是泵、电机、联轴器、底座组
成的机组重量，不包括反和地脚螺栓。

4、地脚螺栓规格是M12×300或M16×300。

Note: 1. That with a bracket in the column of "model of motor" means model YDX low harmonic winding three-phase asynchronous motor and that without a bracket means the general Y series motor.

2. "O" in the column of "type of impeller" means the pump with an uncut outer diameter of impeller.

3. The datum in the column of "total weight" means the weight of the unit comprised of pump, motor, clutch and base.

4. The norm of the foot bolt is M12 300 or M16 300.

■ 管路授耗参考表 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	21.6			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	10.7			100	110									
150					0.16	0.26	0.58	1.1	1.6	2.3	4.2	6.4	9.4		120	130								
175						0.11	0.27	0.5	0.74	1.05	1.9	2.9	4.3	5.8	7.7	9.6	140	160						
200							0.13	0.26	0.37	0.53	0.93	1.5	2.1	2.9	3.7	4.7	6.1	7.2	8.5	180	200			
250								0.07	0.12	0.18	0.30	0.48	0.68	0.93	1.2	1.5	1.9	2.3	2.8	3.3	3.7	4.9	5.2	
300										0.07	0.12	0.19	0.27	0.37	0.49	0.61	0.76	0.9	1.1	1.3	1.5	2.0	2.4	3.0

■ 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.	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.	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.

■ 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
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、叶轮与密封环磨擦 c、流量过大 a.Stuffing cover is too tightened, and stuffing case is heated. b.Impellers and seal rings are abraded. c.Flow rate is too high	a、放松填料压盖 b、消除机械磨擦 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.