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HRZL-ISW horizontal single stage pump

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Shandong Hairui Zhonglian Fluid Technology Co., Ltd.

Company Profile

Shandong Hairui Zhonglian Fluid Technology Co., Ltd. is located in Boshan, pump capital" in Shandong province, China. We are one of the biggest qualified enterprise integrating research, development, production, sales and service with a registered capital of 30 million yuan. HRZL pumps are well known from home to abroad.

We manufacture a wide range of pumps: HR, DL, DLR vertical multistage centrifugal pump series, HR, ISL vertical singlestage pipeline pumps, HR, ISW horizontal singlestage centrifugal pump series, HR, DBLstainless steel vertical multistage pump series, HR, GDL highrise building waterfeeding pump series, HR, D horizontal multistage centrifugal pump series, HR, DLG highrise building waterfeeding pumps series, DSQ Submersible sand pump, ZJQ submersible slurry pump, HRYT integrated prefabricated pump station, XBDHRZL axialflow deep well fire pump, XBCHRZL diesel engine axialflow deep well fire pump, XBC diesel engine firepump, HRHY constant current fire pump, HRG vertical pipeline Pump, HRKT air conditioning pump, HRWF nonegative water supply complete equipment, HRDL vertical multistage fire pump, vertical singlestage fire pump series, vertical multistage fire pump series, variable constant tangent pump series, horizontal multistage fire pumps , submersible fire pumps, fire stabilized water supply equipment, fire electrical control cabinets, fire water tank series (stainless steel, galvanized steel, etc.).

Our pumps are widely used in construction, fire protection, chemical industry, refrigeration, power station, thermal power, mining, sewage treatment, agricultural irrigation and drainage and other industries. It is also used in major projects across the country, such as the Olympic Stadium, airport, tower, oil field, etc..

We have branches and offices in many countries, all of which have professi onal aftersales technicians, to provide comprehensive presales, sales and afte rsales services. We will vigorously promote the company philosophy of "Quality Hairui, Technology Hairui", constantly improve services and product quality, to satisfy users!

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Product overview

This series is a single-stage single-suction cantilever centrifugal pump, with a total of 34 basic types and 242 specifications. For pumping clean water and non-corrosive liquids, the maximum temperature of the medium can reach 80 ° C. The bearing part has a water cooling chamber, and the maximum temperature of the medium can reach 120 ° C (ISR type hot water pump). There are three types of shaft seals: soft packing seal, mechanical seal and skeleton oil seal, changing the material of some parts can be used to pump light oil (ISY light oil pump)

Performance range: (by design point)

Flow：6.3m³/h~1920m³/h

Lift：5m~133m

This series of pumps is installed horizontally and has a suspended structure. It sucks in horizontally and axially and discharges radially. The lower coupling can be overhauled after withdrawing from the rotor part, and the pump shaft adopts packing seal and mechanical seal. The direction of rotation of the pump is clockwise viewed from the motor side.

Pump model meaning

HRZL-ISW - 150 - 125 - 315 A

- Cutting times of impeller outer diameter (A means the first cutting)
- Nominal outer diameter of impeller (mm)
- Outlet diameter (mm)
- Inlet diameter (mm)
- Horizontal Single Stage Pump
- Brand

According to user requirements, our factory can supply ISW pumps with a working pressure of 1.6MPa. When the pump leaves the factory, the static pressure test is done, and the pressure is 2.4MPa, so as to adapt to the water circulation system with high pressure (please specify the inlet pressure of the pump when ordering) Require).

Application

1. ISW horizontal single-stage pump is used for conveying clean water and other liquids with similar physical and chemical properties to clean water. It is suitable for industrial and urban water supply and drainage, and can also be used for agricultural drainage and irrigation. The temperature of the medium used shall not exceed 80 ° C.

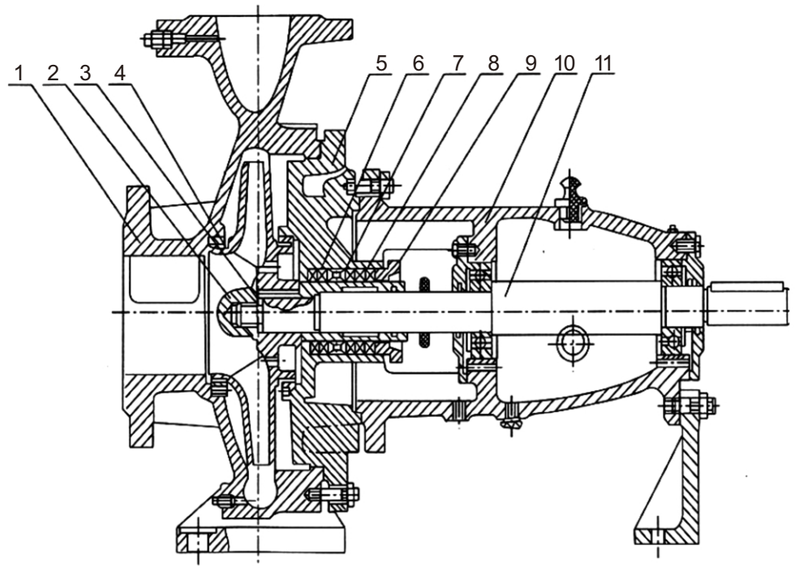
2. ISW horizontal single-stage pumps are suitable for energy metallurgy, chemical industry, textile, papermaking and restaurants, bathrooms, hotels and other boiler hot water pressurized circulation pumps and urban heating system circulation pumps. The temperature of the medium used does not exceed 120 ° C

3. ISW horizontal single-stage pump is suitable for pressurized transportation of corrosive medium, and the temperature of the medium used is -20 ° C to 120 ° C

4. ISW horizontal single-stage pump is used to transport gasoline, kerosene, diesel and other petroleum products, and the temperature of the transported medium is 20 ° C to 120 ° C

5. ISW horizontal single-stage pump is suitable for occasions with low environmental noise requirements, especially for chilled water in air-conditioning systems, cooling water circulation and terminal pressurization, and the temperature of the medium used does not exceed 120 ° C.

ISW pump structure drawing



1.Pump head 2.Impeller nut 3.Impeller 4.Sealing ring 5.Pump cover
6.Axle sleeve 7Packing seal 8.Packing ring 9.Stuffing box gland
10.Suspension assembly 11.Pump spindle

Property parameter list

Table of performance parameters

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH		Capacity m³/h	Lift m	Power		Efficiency %	NPSH
		2900r/min		Shaft power	Motor power				1450r/m		Shaft power	Motor power		
50-32-125	O	7.5	22.0	0.96	2.2	47	2.0		3.8	5.4	0.13	0.55	43	2.0
		12.5	20.0	1.13		60	2.0		6.3	5.0	0.16		54	2.0
		15.0	18.5	1.26		60	2.5		7.5	4.6	0.17		55	2.5
	A	7.2	20.0	0.85	1.5	46	2.0		3.6	4.9	0.11	0.55	42	2.0
		11.9	18.2	1.02		58	2.0		6.0	4.6	0.14		52	2.0
		14.3	16.8	1.13		58	2.25		7.2	4.2	0.15		53	2.25
	B	6.7	17.5	0.71	1.5	45	2.0		3.4	4.3	0.10	0.55	41	2.0
		11.2	15.9	0.86		56	2.0		5.6	4.0	0.12		50	2.0
		13.4	14.7	0.96		56	2.05		6.7	3.7	0.13		51	2.05
	C	6.2	15.2	0.59	1.1	44	2.0		3.1	3.7	0.08	0.55	40	2.0
		10.4	13.8	0.72		54	2.0		5.2	3.5	0.10		48	2.0
		12.5	12.8	0.80		54	2.0		6.2	3.2	0.11		49	2.0
50-32-160	O	7.5	34.3	1.59	3	44	2.0		3.8	8.5	0.25	0.55	35	2.0
		12.5	32.0	2.02		54	2.0		6.3	8.0	0.29		48	2.0
		15.0	29.6	2.16		56	2.5		7.5	7.5	0.31		49	2.5
	A	6.8	28.4	1.27	2.2	41.5	2.0		3.4	7.1	0.19	0.55	34	2.0
		11.4	26.6	1.59		52	2.0		5.7	6.7	0.23		45.5	2.0
		13.7	24.6	1.73		53	2.16		6.8	6.2	0.25		46	2.16
	B	6.1	22.5	0.95	1.5	39	2.0		3.0	5.6	0.14	0.55	32	2.0
		10.1	21.0	1.16		50	2.0		5.1	5.3	0.17		42	2.0
		12.2	19.4	1.26		51	2.0		6.1	4.9	0.19		42.5	2.0
	C	5.4	17.9	0.73	1.5	36	2.0		2.7	4.4	0.11	0.55	30	2.0
		9.0	16.7	0.91		45	2.0		4.6	4.2	0.14		38	2.0
		10.8	15.4	1.0		45.5	2.0		5.4	3.9	0.15		38.5	2.0

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH		Capacity m³/h	Lift m	Power		Efficiency %	NPSH
		2900r/min		Shaft power	Motor power				1450r/m		Shaft power	Motor power		
50-32-200	O	7.5	52.5	2.82	5.5	38	2.0		3.8	13.1	0.41	0.75	33	2.0
		12.5	50.0	3.54		48	2.0		6.3	12.5	0.51		42	2.0
		15.0	48.0	3.95		51	2.5		7.5	12	0.56		44	2.5
	A	7.3	49.4	2.61	4	37.5	2.0		3.6	12.3	0.38	0.75	32.5	2.0
		12.1	47.0	3.30		47	2.0		6.1	11.8	0.47		41.5	2.0
		14.6	45.1	3.58		50	2.3		7.3	11.3	0.52		43.2	2.3
	B	7.0	45.3	2.33	4	37	2.0		3.5	11.3	0.34	0.55	32	2.0
		11.7	43.2	2.96		46.2	2.0		5.9	10.8	0.42		40.7	2.0
		14.0	41.5	3.20		49.2	2.15		7.0	10.4	0.46		42.5	2.15
	C	6.5	39.6	1.95	3	36	2.0		3.3	9.9	0.28	0.55	31	2.0
		10.9	37.7	2.47		45.2	2.0		5.5	9.4	0.36		39.5	2.0
		13.0	36.2	2.67		48.2	2.0		6.5	9.1	0.39		41.2	2.0
50-32-250	O	7.5	82.0	5.87	11	28.5	2.0		3.8	20.5	0.91	1.5	23	2.0
		12.5	80.0	7.16		38	2.0		6.3	20.0	107		32	2.0
		15.0	78.5	7.83		41	2.5		7.5	19.5	1.14		35	2.5
	A	7.0	70.6	4.78	7.5	28	2.0		3.5	17.7	0.76	1.1	22.1	2.0
		11.6	68.9	5.80		37.5	2.0		5.9	17.2	0.88		31.2	2.0
		13.9	67.6	6.41		40	2.25		7.0	16.8	0.93		34.2	2.25
	B	6.5	61.2	3.93	5.5	27.5	2.0		3.2	15.3	0.63	1.1	21.5	2.0
		10.8	59.7	4.84		36.3	2.0		5.4	14.9	0.73		30.5	2.0
		13.0	58.6	5.30		39	2.05		6.5	14.6	0.77		33.5	2.05
	C	6.0	52.5	3.18	5.5	27	2.0		3.0	13.1	0.51	0.75	21	2.0
		10.0	51.2	3.98		35	2.0		5.0	12.8	0.60		29.5	2.0
		12.0	50.2	4.38		37.5	2.0		6.0	12.5	0.63		32.5	2.0

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH		Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power						Shaft power	Motor power		
		2900r/min							1450r/m					
65-50-125	O	15.0	21.8	1.54	3	58	2.0		7.5	5.4	0.21	0.55	53	2.0
		25.0	20.0	1.97		69	2.5		12.5	5.0	0.27		64	2.0
		30.0	18.5	2.22		68	3.0		15	4.7	0.30		65	2.5
	A	14.1	19.2	1.33	2.2	55	2.0		7.0	4.7	0.18	0.55	50.5	2.0
		23.5	17.6	1.68		67	2.4		11.7	4.4	0.23		61.5	2.0
		28.2	16.3	1.89		66	2.8		14.1	4.1	0.26		62	2.3
	B	13.2	16.8	1.19	2.2	50.5	2.0		6.6	4.1	0.16	0.55	46.5	2.0
		21.9	15.4	1.48		62	2.3		11.0	3.8	0.20		57	2.0
		26.3	14.2	1.67		61	2.6		13.2	3.6	0.23		57.5	2.15
	C	11.3	12.4	0.88	1.5	43.5	2.0		5.7	3.0	0.11	0.55	51.5	2.0
		18.9	11.4	1.10		53	2.1		9.4	2.8	0.15		48	2.0
		22.6	10.5	1.25		52	2.4		11.3	2.7	0.17		48.5	2.0
65-50-160	O	15.0	35.0	2.65	5.5	54	2.0		7.5	8.8	0.36	0.55	50	2.0
		25.0	32.0	3.35		65	2.0		12.5	8.0	0.45		60	2.0
		30.0	30.0	3.71		66	2.5		15	7.2	0.49		60	2.5
	A	14.1	30.8	2.25	4	52.5	2.0		7.0	7.8	0.32	0.55	47	2.0
		23.5	28.2	2.86		63	2.0		11.7	7.0	0.39		58	2.0
		28.2	26.4	3.16		64	2.25		14.1	6.3	0.42		58	2.25
	B	13.0	26.1	1.86	3	49.5	2.0		6.5	6.6	0.25	0.55	45.5	2.0
		21.6	23.9	2.42		58	2.0		10.8	6.0	0.32		55	2.0
		25.9	22.4	2.68		49	2.05		13.0	5.4	0.35		55	2.05
	C	12.0	22.5	1.58	3	46.8	2.0		6.0	5.7	0.22	0.55	53	2.0
		20.1	20.6	2.05		55	2.0		10.0	5.2	0.27		52	2.0
		24.1	19.3	2.30		55	2.0		12.0	4.6	0.29		52	2.0

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH		Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power						Shaft power	Motor power		
		2900r/min							1450r/m					
65-40-200	O	15.0	53.0	4.42	7.5	49	2.0		7.5	13.2	0.63	1.1	43	2.0
		25.0	50.0	5.67		60	2.0		12.5	12.5	0.77		55	2.0
		30.0	47.0	6.29		61	2.0		15	11.8	0.85		57	2.0
	A	14.3	47.8	3.81	7.5	48.7	2.0		7.1	11.9	0.54	1.1	43	2.0
		23.8	45.1	4.91		59.5	2.0		11.9	11.3	0.66		55	2.0
		28.5	42.4	5.44		60.5	2.3		14.3	10.7	0.73		57	2.3
	B	13.5	42.9	3.27	5.5	48.3	2.0		6.8	10.7	0.46	0.75	43	2.0
		22.5	40.5	4.21		59	2.0		11.3	10.1	0.56		55	2.0
		27.0	38.1	4.67		60	2.1		13.5	9.6	0.62		57	2.1
	C	12.8	38.3	2.77	5.5	48	2.0		6.4	9.5	0.39	0.75	42	2.0
		21.3	36.1	3.64		57.5	2.0		10.6	9.0	0.48		54	2.0
		25.5	34.0	4.00		59	2.0		12.8	8.5	0.52		57	2.0
65-40-250	O	15.0	82.0	9.05	15	37	2.0		7.5	21	1.23	2.2	35	2.0
		25.0	80.0	10.9		50	2.0		12.5	20	1.48		46	2.0
		30.0	78.0	12.0		53	2.5		15	19.4	1.65		48	2.5
	A	14.0	72.0	7.55	11	36.5	2.0		7.0	18.4	1.01	1.5	35	2.0
		23.4	70.2	9.14		49	2.0		11.7	17.6	1.25		44.8	2.0
		28.1	68.5	10.0		52.4	2.26		14.1	17.0	1.39		47	2.26
	B	13.1	62.7	6.21	11	36	2.0		6.6	16.0	0.82	1.5	34.8	2.0
		21.9	61.1	7.64		47.6	2.0		10.9	15.3	1.04		43.8	2.0
		26.2	59.6	8.34		51	2.07		13.1	14.8	1.15		46.2	2.07
	C	12.3	55.0	5.18	11	35.5	2.0		6.1	14.1	0.68	1.1	34.5	2.0
		20.5	53.7	6.46		46.3	2.0		10.2	13.4	0.87		43	2.0
		24.6	52.3	7.04		49.7	2.0		12.3	13.0	0.97		45	2.0

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH		Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power						Shaft power	Motor power		
2900r/min									1450r/m					
65-40-315	O	15	127	18.5	30	28	2.5		7.5	32.3	2.63	4	25	2.5
		25	125	21.3		50	2.5		12.5	32.0	2.94		37	2.5
		30	123	22.8		44	3.0		15	31.7	3.16		41	3.0
	A	14	111	15.0	22	28	2.5		7.6	28.1	2.15	3	25	2.5
		23.3	109	17.5		39.5	2.5		11.7	27.9	2.42		36.6	2.5
		28.0	107	18.8		43.5	2.75		14.0	27.6	2.58		40.8	2.75
	B	13.1	97.5	12.5	18.5	28	2.5		6.6	24.8	1.78	3	25	2.5
		21.9	96.0	14.7		39	2.5		11.0	24.6	2.02		36.3	2.5
		26.3	94.4	15.7		43	2.56		13.1	24.3	2.15		40.6	2.56
	C	12.1	83.2	9.83	15	28	2.5		6.1	21.2	1.41	2.2	25	2.5
		20.2	81.9	11.7		38.5	2.5		10.1	21.0	1.61		36	2.5
		24.3	80.6	12.5		42.5	2.5		12.1	20.8	1.70		40.4	2.5
80-65-125	O	30	22.5	2.87	5.5	64	3.0		15	5.6	0.42	0.75	55	2.5
		50	20	3.63		75	3.0		25	5.0	0.48		71	2.5
		60	18	3.98		74	3.5		30	4.5	0.51		72	3.0
	A	28.7	20.6	2.56	4	63	3.0		14.4	5.1	0.37	0.75	54.5	2.5
		47.9	18.3	3.27		73	3.0		23.9	4.6	0.43		70	2.5
		57.4	16.5	3.56		72.5	3.3		28.7	4.1	0.45		71	2.8
	B	26.1	17.1	2.01	4	60.5	3.0		13.1	4.3	0.29	0.55	53	2.5
		43.6	15.2	2.59		69.5	3.0		21.8	3.8	0.34		66	2.5
		52.3	13.7	2.84		68.5	3.1		26.1	3.4	0.36		67	2.55
	C	23.1	13.4	1.45	3	58	3.0		11.6	3.3	0.21	0.55	51	2.5
		38.6	11.9	1.91		65.5	3.0		19.3	3.0	0.25		62	2.5
		46.3	10.7	2.09		64.5	3.0		23.1	2.7	0.27		63	2.5

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH		Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power						Shaft power	Motor power		
2900r/min									1450r/m					
80-65-160	O	30	36	4.82	7.5	61	2.5		15	9	0.67	1.5	55	2.5
		50	32	5.97		73	2.5		25	8	0.79		69	2.5
		60	29	6.59		72	3.0		30	7.2	0.86		68	3.0
	A	28.2	31.7	4.05	7.5	60	2.5		14.1	7.9	0.57	1.1	53.5	2.5
		46.9	28.2	5.07		71	2.5		23.5	7.0	0.68		66.5	2.5
		56.3	25.5	5.59		70	2.8		28.2	6.3	0.74		66.5	3.0
	B	25.9	26.9	3.21	5.5	59	2.5		13.0	6.7	0.47	0.75	51	2.5
		43.2	23.9	4.20		67	2.5		21.6	6.0	0.56		63	2.5
		51.9	21.7	4.63		76	2.5		25.9	5.4	0.61		62	2.6
	C	24.1	23.0	2.67	5.5	67	2.5		12.0	5.8	0.40	0.75	48	2.5
		40.1	20.6	3.52		64	2.5		20.1	5.2	0.47		60	2.5
		48.2	18.7	3.89		63	2.5		24.1	4.6	0.52		59	2.5
80-50-200	O	30	53	7.87	15	55	2.5		15	13.2	1.06	2.2	51	2.5
		50	50	9.87		69	2.5		25	12.5	1.31		65	2.5
		60	47	10.8		71	3.0		30	11.8	1.44		67	3.0
	A	28.0	46.0	6.42	11	54.5	2.5		14.0	11.5	0.86	1.5	50.6	2.5
		46.6	43.4	8.21		67	2.5		23.3	10.9	1.09		63	2.5
		55.6	40.8	8.93		69.5	2.7		27.9	10.2	1.2		65	2.7
	B	25.6	38.6	5.02	11	53.5	2.5		12.8	9.6	0.68	1.1	49.4	2.5
		42.7	36.4	6.40		66	2.5		21.3	9.1	0.86		61.5	2.5
		51.2	34.2	6.96		68.5	2.53		25.6	8.6	0.96		62.5	2.53
	C	23.5	32.6	3.98	7.5	52.5	2.5		11.8	8.1	0.54	1.1	48	2.5
		39.2	30.8	5.09		64.5	2.5		19.6	7.7	0.68		60.5	2.5
		47.1	28.9	5.45		68	2.5		23.5	7.3	0.76		61.5	2.5

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH		Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power						Shaft power	Motor power		
2900r/min									1450r/m					
80-50-250	O	30	84	13.2	22	52	2.5		15	21	1.75	3	49	2.5
		50	80	17.3		63	2.5		25	20	2.27		60	2.5
		60	75	19.2		64	3.0		30	18.8	2.52		61	3.0
	A	28.3	74.9	11.0	22	52.3	2.5		14.2	18.7	1.47	3	49	2.5
		47.2	71.3	14.6		62.6	2.5		23.6	17.8	1.95		58.7	2.5
		56.6	66.8	16.1		64	2.8		28.3	16.8	2.16		59.7	2.8
	B	26.6	66.2	9.1	18.5	52.7	2.5		13.3	16.6	1.23	2.2	49	2.5
		44.4	63.1	12.3		62.2	2.5		22.2	15.8	1.46		58	2.5
		53.3	59.1	13.4		64	2.6		26.6	14.8	1.81		59.5	2.6
	C	23.8	52.7	6.43	15	53	2.5		11.9	13.2	0.87	2.2	49	2.5
		39.6	50.2	8.90		60.8	2.5		19.8	12.6	1.19		57	2.5
		47.5	47.0	9.59		63.5	3.0		23.8	11.8	1.29		59	2.5
80-50-315	O	30	128	25.5	37	41	2.5		15	32.5	3.4	5.5	39	2.5
		50	125	31.5		54	2.5		25	32	4.19		52	2.5
		60	123	35.3		57	2.5		30	31.5	4.6		56	3.0
	A	28.0	112	20.7	37	41	2.5		14.0	28.8	2.77	5.5	39	2.5
		46.7	109	25.9		53.5	2.5		23.3	27.9	3.43		51.7	2.5
		56.0	107	28.8		56.7	2.7		28.0	27.4	3.75		55.8	2.7
	B	26.3	98.3	17.2	30	41	2.5		13.1	25.0	2.29	4	39	2.5
		43.8	96.0	21.6		53	2.5		21.9	24.6	2.85		51.4	2.5
		52.6	94.4	24.0		56.3	2.63		26.3	24.2	3.11		55.6	2.63
	C	24.3	83.9	13.5	22	41	2.5		12.1	21.3	1.81	4	39	2.5
		40.5	81.9	17.2		52.5	2.5		20.2	21.0	2.26		51.1	2.5
		48.6	80.6	19.0		56	2.5		24.3	20.6	2.46		55.4	2.5

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH		Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power						Shaft power	Motor power		
2900r/min									1450r/m					
100-80-125	O	60	24	5.86	11	67	4.0		30	6.5	0.77	1.5	64	2.5
		100	20	7.0		78	4.5		50	5.0	0.91		75	2.5
		120	16.5	7.28		74	5.0		60	4.7	0.92		71	3.0
	A	56.6	21.3	5.17	7.5	63.5	4.0		28.3	5.3	0.67	1.5	61	2.5
		94.2	17.8	6.25		73	4.4		47.1	4.4	0.79		72	2.5
		113	14.7	6.45		70	4.8		56.6	3.6	0.83		66	2.8
	B	53.5	19.1	4.64	7.5	60	4.0		26.8	4.8	0.61	1.1	57	2.5
		89.2	15.9	5.52		70	4.3		44.6	4.0	0.73		66	2.5
		107	13.1	5.89		65	4.65		53.5	3.2	0.73		64	2.6
	C	47.9	15.0	3.57	5.5	54.5	4.0		23.7	3.8	0.51	0.75	48	2.5
		79.1	12.5	4.22		64	4.2		39.6	3.1	0.55		61	2.5
		95.0	10.3	4.28		62.5	4.4		47.5	2.5	0.55		59	2.5
100-80-160	O	60	36	8.42	15	70	3.5		30	9.2	1.12	2.2	67	2.0
		100	32	11.2		78	4.0		50	8.0	1.45		75	2.5
		120	28	12.2		75	5.0		60	6.8	1.57		71	2.5
	A	56.9	32.4	7.19	15	69.7	3.5		28.4	8.3	0.96	1.5	66.5	2.0
		94.8	28.8	9.58		77.5	3.97		47.4	7.2	1.22		76	2.34
		114	25.2	10.5		74.2	4.5		56.9	6.1	1.35		70	2.6
	B	53.4	28.5	5.99	11	69.3	3.5		26.7	7.3	0.8	1.5	66	2.0
		89.0	25.4	8.02		76.6	3.77		44.5	6.3	1.05		73.3	2.25
		107	22.2	8.75		73.8	4.1		53.4	5.4	1.14		69	2.9
	C	506	25.6	5.12	11	69	3.5		25.3	6.6	0.69	1.1	65.5	2.0
		84.4	22.2	6.89		76	3.65		42.2	5.7	0.9		73	2.17
		101	19.9	7.48		73.5	3.93		50.6	4.8	0.97		68.5	2.4

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH		Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power						Shaft power	Motor power		
2900r/min									1450r/m					
100-65-200	O	60	54	13.6	22	65	3.0		30	13.5	1.84	3	60	2.0
		100	50	17.9		76	3.6		50	12.5	2.33		73	2.0
		120	47	19.9		77	4.8		60	11.8	2.61		74	2.5
	A	56.4	47.8	11.3	18.5	65	3.0		28.2	11.9	1.53	3	60	2.0
		94.1	44.2	14.8		76.5	3.45		47.0	11.1	1.95		72.7	2.0
		113	41.6	16.6		77	4.3		56.4	10.4	2.18		73.7	2.29
	B	53.5	42.9	9.6	18.5	65	3.0		26.7	10.7	1.3	2.2	60	2.0
		89.1	39.7	12.9		74.5	3.35		44.6	9.9	1.67		72.3	2.0
		107	37.3	14.3		76	3.6		53.5	9.4	1.86		73.3	2.15
	C	50.5	38.3	8.09	15	65	3.0		25.3	9.6	1.1	2.2	60	2.0
		84.2	35.4	11.1		73	3.25		42.1	8.9	1.41		72	2.0
		101	33.3	12.2		75	3.6		50.5	8.4	1.57		73	2.0
100-65-250	O	60	87	23.4	37	61	3.5		30	21.3	3.16	5.5	55	2.0
		100	80	30.3		72	3.8		50	20	4.00		68	2.0
		120	74.5	33.3		73	4.8		60	19	4.44		70	2.5
	A	56.0	75.8	19.4	30	59.5	3.5		28.0	18.6	2.67	4	53	2.0
		93.3	68.7	25.6		69.3	3.7		46.7	17.4	3.38		65.5	2.0
		112	64.9	28.1		70.5	4.35		56.0	16.6	3.72		67.8	2.25
	B	52.2	65.9	16.6	30	56.5	3.5		26.1	16.1	2.25	4	51	2.0
		87.1	60.6	21.8		66.1	3.6		43.5	15.2	2.9		62	2.0
		104	56.5	24.0		67	4.0		52.2	14.4	3.17		64.6	2.05
	C	48.5	56.8	14.1	22	53	3.5		24.2	13.9	1.87	3	49	2.0
		80.8	52.2	18.3		62.8	3.5		40.4	13.1	2.45		58.5	2.0
		96.6	48.6	20.1		67	3.75		48.5	12.4	2.7		60.6	2.0

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH		Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power						Shaft power	Motor power		
2900r/min									1450r/m					
100-65-315	O	60	133	39.6	75	55	3.0		30	34	5.44	11	51	
		100	125	51.6		60	3.6		50	32	6.92		63	
		120	118	57.5		67	4.2		60	30	7.67		64	
	A	56	116	32.1	55	55	3.0		28	29.6	4.43	7.5	51	
		93.3	109	42.5		65.2	3.45		46.7	27.9	5.64		62.8	
		112	103	47.5		66	3.95		56	26.1	6.3		63.3	
	B	52.6	102	26.6	45	55	3.0		26.3	26.1	3.66	5.5	51	
		87.6	96	35.5		64.5	3.32		43.8	24.6	4.67		62.7	
		105	90.6	39.9		65	3.7		52.6	23.0	5.3		62.2	
	C	48.5	87.2	21	37	55	3.0		24.3	22.3	2.89	5.5	51	
		81.0	81.9	28.7		63	3.2		40.5	21	3.76		61.5	
		97.1	77.3	32		64	3.5		48.6	19.7	4.25		61.2	
125-80-160	Z	105	42.8	16.9	30	72	5.6		52.3	10.7	2.21	4	69	2.5
		174	38	22.6		80			87.2	9.5	2.93		77	
		209	33.3	24.6		77			105	8.31	3.2		74	
	O	96	36	13.1	22	72	5.6		48	9	1.71	3	69	2.5
		160	32	17.5		80			80	8	2.26		77	
		192	28	19		77			96	7	2.47		74	
	A	89.8	31.5	11	18.5	70	5.6		44.9	7.9	1.44	2.2	67	2.5
		150	28	14.7		78			74.8	7	1.9		75	
		180	24.5	16		75			89.8	6.1	2.08		72	
	B	83.1	27	8.99	15	68	5.6		41.6	6.8	1.18	2.2	65	2.5
		139	24	11.9		76			69.3	6	1.55		75	
		166	21	13		73			83.1	5.3	1.7		70	

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH		Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power						Shaft power	Motor power		
2900r/min									1450r/m					
125-80-200	Z	105	66	28.6	45	66	5.2		52.6	16.5	3.75	5.5	63	2.5
		175	60	35.8		80			87.6	15	465		77	
		210	55.2	40.5		78			105	13.8	5.27		75	
	O	96	55	21.8	37	66	5.2		48	13.6	2.85	5.5	63	2.5
		160	50	27.2		80			80	12.5	3.54		77	
		192	46	30.8		78			96	11.5	4.0		75	
	A	90.1	48.4	18.3	30	64	5.2		45	12.1	2.39	4	62	2.5
		150	44	22.8		78			75.1	11	2.96		76	
		180	40.5	25.8		76			90.1	10.1	3.35		74	
	B	83.6	41.8	14.9	22	64	5.2		41.9	10.5	1.95	3	61	2.5
		139	38	18.5		78			69.7	9.5	2.41		75	
		167	35.0	21.0		76			83.7	8.7	2.73		73	
125-80-250(I)	Z	103	100	43.2	75	65	4.8		51.5	25	5.66	11	62	2.2
		172	92	55.8		77			85.8	23	1.26		74	
		206	84	63.9		74			102	21.3	8.40		71	
	O	96	87	35	55	65	4.8		48	21.8	4.59	7.5	62	2.2
		160	80	45.3		77			80	20	5.89		74	
		192	73	51.6		74			96	18.3	6.72		71	
	A	89.8	76.1	29.1	45	64	4.8		44.9	19	3.81	5.5	61	2.2
		150	70	37.5		76			74.8	17.5	4.89		73	
		180	63.9	42.8		73			89.8	16	5.58		70	
	B	83.1	65.3	23.5	37	63	4.8		41.6	16.3	3.08	5.5	60	2.2
		139	60	30.2		75			69.3	15	3.93		72	
		166	54.8	34.4		72			83.1	13.7	4.49		69	

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH		Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power						Shaft power	Motor power		
2900r/min									1450r/m					
125-80-315(I)	Z	100	145	68.0	110	58	4.5		49.5	35.6	8.72	15	55	2.1
		167	136	84.7		73			82.5	34	10.9		70	
		200	129	96.7		73			99.0	31.9	12.3		70	
	O	96	133	60.0	90	58	4.5		48	33.8	7.96	15	55	2.1
		160	125	74.6		73			80	32	9.96		70	
		192	119	85.2		73			96	30	11.2		70	
	A	91.7	121	53.1	90	57	4.5		45.3	29.8	6.82	11	54	2.1
		153	114	65.9		72			75.5	28.5	8.49		69	
		183	109	75.3		72			90.6	26.7	9.55		69	
	B	87.1	110	46.4	75	56	4.5		43.1	27.0	5.97	11	53	2.1
		145	103	57.4		71			71.1	25.8	7.40		68	
		174	98.1	65.6		71			86.8	24.1	8.33		68	
	C	82.4	97.9	39.9	75	55	4.5		40.7	24.1	5.13	7.5	52	2.1
		137	92	49.1		70			67.8	23	6.34		67	
		165	87.6	56.1		70			81.4	21.6	7.13		67	
125-80-315(II)	O	120	133	72.1	110	60.0	5.0		60	33.5	9.4	15	58	2.5
		200	125	90.8		75	4.5		100	32	11.9		73	2.5
		240	120	102		77	5.0		120	30.5	13.5		74	3.0
	A	112	116	60.4	90	59	4.9		56.2	29.4	8.04	15	56	2.5
		187	110	76.4		73.3	4.7		73.7	28.1	10.0		71.5	2.5
		225	105	85.9		75.1	4.4		112	26.8	11.3		72.5	2.8
	B	104	100	49.3	75	58	4.3		52.2	25.4	6.96	11	54	2.5
		174	94.8	63.5		70.8	4.5		87.7	24.3	8.23		69.5	2.5
		209	91.0	70.8		73.1	4.0		104	23.1	9.33		70.5	2.6
	C	96.5	85.7	39.5	75	57	4.0		48.3	21.7	5.38	11	53	2.5
		161	80.9	51.8		68.4	4.2		80.4	20.7	6.67		67	2.5
		193	77.7	57.3		71.3	4.4		96.5	19.7	7.63		68	2.5

Model	Impeller nut	Capacity m³/h	Lift m	Power Shaft power	Power Motor power	Efficiency %	NPSH
2900r/min							
125-100-200(II)	O	120	57.5	28.0	45	67	4.5
		200	50	33.6		81	4.5
		240	44.5	36.4		80	5.0
	A	111	49.3	23.1	37	64.5	4.5
		185	42.9	27.7		78	4.5
		222	38.2	30.0		77	4.7
	B	103	42.6	19.2	30	62.5	4.5
		172	37.1	23.2		75	4.5
		207	33.0	25.1		74	4.55
	C	94.4	35.6	15.3	30	60	4.5
		157	31.0	18.7		71	4.5
		189	27.9	20.3		70	4.5
125-100-250(II)	O	120	87	43.0	75	66	3.8
		200	80	55.9		78	4.2
		240	72	62.8		75	5.0
	A	112	75.8	35.0	55	66	3.8
		187	69.7	45.3		78.2	4.08
		224	62.7	52.1		73.5	4.6
	B	104	65.6	28.4	45	66	3.8
		174	60.6	36.9		78	4.0
		209	54.6	42.5		73	4.4
	C	96.9	54.8	22.7	37	66	3.8
		162	52.2	29.5		77.8	3.9
		194	47	34.0		73	4.15

Model	Impeller nut	Capacity m³/h	Lift m	Power Shaft power	Power Motor power	Efficiency %	NPSH
1450r/m							
125-100-200(II)	O	60	14.5	3.83	5.5	62	2.5
		100	12.5	4.48		76	2.5
		120	11.0	4.79		75	3.0
	A	55.6	12.4	3.08	5.5	61	2.5
		92.6	10.7	3.68		73.5	2.5
		111	9.4	3.9		73	2.75
	B	51.7	10.8	2.61	4	58	2.5
		86.1	9.3	3.11		70	2.5
		103	8.2	3.33		69	2.55
	C	47.2	9.0	2.10	3	55	2.5
		78.7	7.7	2.51		66	2.5
		94.4	6.8	2.66		66	2.5
125-100-250(II)	O	60	21.5	5.59	11	63	2.5
		100	20	7.17		76	2.5
		120	18.5	7.84		77	3.0
	A	56	18.7	4.53	7.5	63	2.5
		93.3	17.4	5.83		76	2.5
		112	16.1	6.38		77	2.7
	B	52.2	16.3	3.68	7.5	63	2.5
		87.1	15.2	4.76		75.5	2.5
		104	14.0	5.19		76.8	2.53
	C	48.5	14.0	2.94	5.5	63	2.5
		80.8	13.1	3.82		75.2	2.5
		96.9	12.1	4.17		76.5	2.5

Model	Impeller nut	Capacity m³/h	Lift m	Power Shaft power	Power Motor power	Efficiency %	NPSH
2900r/min							
	O	120	133	72.1	110	60	5.0
		200	125	90.8		75	4.5
		240	120	102		77	5.0
	A	112	116	60.4	90	59	4.9
		187	110	76.4		73.3	4.7
		225	105	85.9		75.1	4.4
	B	104	100	49.3	75	58	4.3
		174	94.8	63.5		70.8	4.5
		209	91.0	70.8		73.1	4.0
	C	96.5	85.7	39.5	75	57	4.0
		161	80.9	51.8		68.4	4.2
		193	77.7	57.3		71.3	4.43
1450r/m							
	Z	52.6	63.6	17.7	30	51	2.0
		87.6	60	22.7		63	
		105	55.2	25.1		63	
	O	48	53	13.6	22	51	2.0
		80	50	17.3		63	
		96	46	19.1		63	
	A	45.0	46.6	11.4	18.5	50	2.0
		75.1	44	14.5		62	
		90.1	40.5	16.0		62	
	B	41.9	40.3	9.4	15	49	2.0
		69.7	38	11.8		61	
		83.7	35.0	13.1		61	

Model	Impeller nut	Capacity m³/h	Lift m	Power Shaft power	Power Motor power	Efficiency %	NPSH
1450r/m							
125-100-315(II)	O	60	33.5	9.4	15	58	2.5
		100	32	11.9		73	2.5
		120	30.5	13.5		74	3.0
	A	56.2	29.4	8.04	15	56	2.5
		93.7	28.1	10.0		71.5	2.5
		112	26.8	11.3		72.5	2.8
	B	52.2	25.4	6.69	11	54	2.5
		87.1	24.3	8.28		59.5	2.5
		104	23.1	9.33		70.5	2.6
	C	48.3	21.7	5.38	11	53	2.5
		80.4	20.7	6.77		67	2.5
		96.5	19.7	7.63		68	2.5
125-100-400(II)	O	60	52	16.1	30	53	2.5
		100	50	21.0		65	2.5
		120	48.5	23.6		67	3.0
	A	56.4	45.9	13.3	22	53	2.5
		93.9	44.1	17.4		65	2.5
		113	42.8	19.7		66.8	2.75
	B	52.3	39.4	10.6	18.5	53	2.5
		87.1	37.9	13.9		64.7	2.5
		105	36.8	15.7		66.5	2.6
	C	48.6	34.1	8.5	15	53	2.5
		81.0	32.8	11.2		64.4	2.5
		97.2	31.8	12.7		66.2	2.5

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power		
1450r/m							
150-125 -250	O	120	23.2	10.7	18.5	71	3.0
		200	20	13.5		81	3.0
		240	17.0	14.3		78	3.5
	A	112	20.2	9.0	15	68.5	3.0
		187	17.4	11.5		77	3.0
		224	14.8	12.0		75	3.2
	B	103	16.9	7.3	11	64.5	3.0
		171	14.6	9.1		75	3.0
		205	12.4	9.8		71	3.05
	C	95.4	14.7	6.2	11	61.5	3.0
		159	12.6	7.7		71	3.0
		191	10.7	8.2		68	3.0
150-125 -400	O	120	53	27.9	45	62	2.0
		200	50	36.3		75	2.8
		240	46	40.6		74	3.5
	A	112	46.1	22.6	37	62	2.0
		186	43.5	29.4		74.5	2.65
		224	40.1	32.9		73	3.2
	B	105	40.3	18.5	30	62	2.0
		174	38.0	24.4		74	2.5
		209	35.0	27.5		72.4	2.95
	C	96	34.3	14.5	30	62	2.0
		161	32.3	19.4		72.8	2.35
		193	29.7	21.9		71.5	2.7

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power		
1450r/m							
150-125 -315	O	120	34	15.9	30	70	2.5
		200	32	22.1		79	2.5
		240	29	23.7		80	3.0
	A	112	29.6	13.0	22	69	2.5
		186	22.8	18.0		78.7	2.5
		224	25.2	19.4		79	2.7
	B	104	25.6	10.7	18.5	68	2.5
		174	24.1	14.7		77.7	2.5
		208	21.8	15.9		78	2.55
	C	96.4	21.7	8.6	15	77	2.5
		161	20.6	11.8		76.7	2.5
		193	18.7	12.7		77.2	2.5
200-150 -250	O	240	25	23.7	37	69	3.0
		400	22	29.1		82.5	3.5
		460	20	30.6		82	4.0
	A	223	21.5	19.5	30	67	3.0
		371	18.9	23.9		80	3.4
		427	17.2	25.2		79.5	3.7
	B	207	18.6	16.0	30	65.4	3.0
		345	16.4	19.8		77.5	3.3
		397	14.9	20.9		77	3.5
	C	190	15.7	12.7	22	64.4	3.0
		317	13.8	16.2		74	3.2
		365	12.6	17.0		73.5	3.35

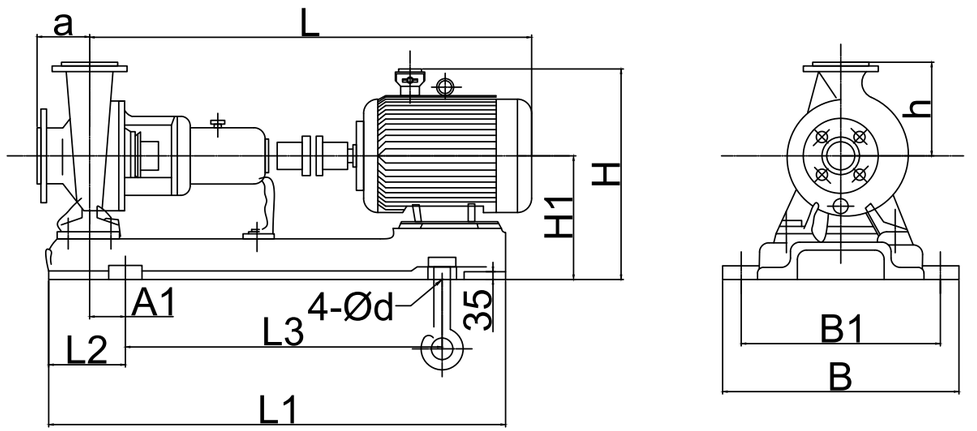
Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power		
1450r/m							
200-150 -315	O	240	37	34.6	55	70	3.0
		400	32	42.5		82	3.5
		460	28.5	44.6		80	4.0
	A	219	30.9	27.2	45	68	3.0
		369	26.7	35.0		76.2	3.35
		420	23.8	36.4		75	3.6
	B	198	25.2	22.1	37	61.5	3.0
		330	21.8	28.3		69.3	3.2
		380	19.4	29.1		69	3.4
	C	182	21.2	18.1	30	58	3.0
		303	18.3	23.6		64	3.1
		348	16.3	24.9		62	3.25
250-200- 315	Z	380	41	59.7	110	71	5.5
		630	38	77.1		84.5	
		760	35	86.2		84	
	O	380	35.5	51.7	90	71	5.5
		630	32	6		84.5	
		760	29	71.4		84	
	A	360	31.6	44.6	75	69.5	5.4
		590	28.5	55.1		83	
		720	25.8	61.3		82.5	
	B	340	27.7	37.4	75	68.5	5.3
		560	25	46.5		82	
		670	22.6	50.6		81.5	

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power		
1450r/m							
200-150 -400	O	240	55	48.6	90	74	3.0
		400	50	67.2		81	3.8
		460	45	74.2		76	4.5
	A	224	47.7	39.8	75	73	3.0
		373	43.4	55.2		79.8	3.6
		429	39.1	62.0		73.5	4.1
	B	209	41.7	33.0	55	72	3.0
		348	37.9	45.8		78.6	3.4
		401	34.1	51.7		72	3.8
	C	194	36.1	26.9	45	71	3.0
		324	32.8	37.6		77	3.25
		373	29.5	42.5		70.5	3.9
250-200- 400	Z	380	56.3	82.0	160	71	5.5
		630	54.5	110		84.5	
		760	51.5	129		82.5	
	O	380	52	75.8	132	71	5.5
		630	50	102		84.5	
		760	46.7	117		82.5	
	A	360	46.8	66	110	70	5.4
		600	45	88.6		83	
		720	42	102		81	
	B	340	41.6	56.2	90	68.5	5.3
		560	40	74.4		82	
		680	37.4	86.5		80	
	C	720	36.4	47	75	67.5	5.1
		530	35	62.3		81	
		640	32.7	72.1		32.7	

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power		
1450r/m							
300-250-315	Z	600 1000 1200	43.8 37.5 34	99.4 119 129	160	72 86 86	7.5
	O	600 1000 1200	38 32 28	86.2 101 108	132	72 86 85	7.5
	A	570 940 1130	33.8 28.5 24.8	74.4 86.8 91.4	110	70.5 84 83.5	7.3
	B	530 880 1060	29.7 25 21.9	61.7 72.2 76.6	90	69.5 83 82.5	7.1
350-300-315	O	960 1600 1920	38.4 32 26.5	130 164 169	200	77 85 82	7
	A	910 1510 1810	34.2 28.5 23.6	113 141 145	160	75 83 80	6.8
	B	850 1410 1700	30 25 20.5	93.8 118 120	132	74 81.5 79	6.5

Model	Impeller nut	Capacity m³/h	Lift m	Power		Efficiency %	NPSH
				Shaft power	Motor power		
1450r/m							
300-250-400	Z	600 1000 1200	66.5 65 62	149 206 241	250	73 86 84	7.5
	O	600 1000 1200	53.5 50 47.2	120 158.3 184	200	73 86 84	7.5
	A	570 950 1140	48 45 42.5	105 139 161	200	71 84 82	7.3
	B	540 890 1070	42.8 40 37.7	89.2 116 136	160	70.5 83.5 81	7.1
	C	500 840 1000	37.5 35 33	73.4 97 112	132	69.5 82.5 80	7.0
350-300-400	O	960 1600 1920	56.5 50 44	192 250 274	280	77 87 84	7.2
	A	910 1520 1820	50.8 45 39.5	167 218 237	250	75.5 85.5 82.5	6.8
	B	860 1430 1720	45.2 40 35.2	141 184 202	250	75 84.5 81.5	6.5
	C	800 1340 1610	39.5 35 30.8	116 153 168	200	74 83.5 803.5	6.4

ISW pump installation size chart



Y series motor and YB explosion-proof series motor

Pump	electric engine		A1	L1	L2	L3	H1	B1	B	b	a	h	L		total mass KG	
	Model	Power KW											Y	YB	Y	YB
50-32-125	90L-2	2.5	90	755	170	480	200	350	400	16	80	140	800	850	95	107
	90S-2	1.5	70	730	150	440		320	370				755	805	90	100
	802-2	1.1		705									750	795	82	90
	801-4	0.55	70	705	150	440	200	320	370	16			750	795	83	90
50-32-160	100L-2	3	90	780	170	480	365	350	400	16	80	160	845	895	113	125
	90L-2	2.2		755			320						800	850	105	117
	90S-2	1.5											775	825	102	110
	801-4	0.55	70	705	150	440	310	320	370	16			750	795	92	98
50-32-200	132S1-2	5.5	110	830	190	540	250	400	450	16	80	180	940	975	152	165
	112M-2	4	90	790	170	480		350	400				865	625	131	140
	802-4	0.75	70	705	150	440	250	320	370	16			750	795	97	102
	801-4	0.55													96	103
50-32-250	160M1-2	11	130	1125	220	660	270	490	540	16	100	225	1200	1225	256	274
	132S2-2	7.5	115	1005	205	600		440	490				1075	1110	205	219
	132S1-2	5.5													199	212
	90L-4	1.5	95	885	185	540	270	400	450	16			935	985	158	168
	60S-4	1.1											910	960	153	164

Pump	electric engine		A1	L1	L2	L3	H1	B1	B	b	a	h	L		total mass KG	
	Model	Power KW											Y	YB	Y	YB
65-50-125	100L-2	3	90	780	170	480	345	350	400	16	80	140	845	895	113	125
	90L-2	2.2		755			300						800	850	103	115
	801-4	0.55	70	705	150	440	290	320	370	16			750	795	91	97
65-50-160	132S1-2	5.5	110	830	190	540	220	400	450	16	80	160	940	978	148	183
	112M-2	4	90	790	170	480		350	400				865	925	130	138
	100L-2	3		780									845	895	117	129
	802-4	0.75	70	705	170	440	220	320	370	16			750	795	96	101
	801-4	0.55													95	100
65-40-200	132S2-2	7.5	110	830	185	540	250	400	450	16	100	180	1075	1110	170	184
	132S1-2	5.5													164	177
	90S-4	1.1	90	755	170	480	250	350	400	16			910	960	119	130
	802-4	0.75		715	165								885	930	111	116
	160M2-2	15	130	1125	220	660	270	490	540	16			1200	1255	278	303
	160M1-2	11													270	288
	100L1-4	2.2	95	910	185	540	270	400	450	16			980	1030	178	189
	90L-4	1.5		885									935	980	170	180

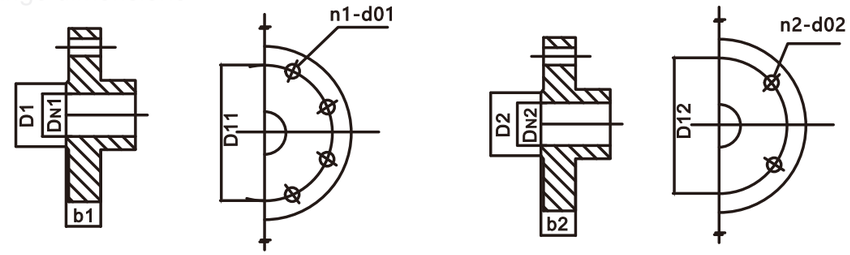
Pump	electric engine		A1	L1	L2	L3	H1	B1	B	d	n	h	L		total masskg	
	Model	KW											y	YB	y	YB
65- 40- 315	200 L1- 2	30	155	1200	245	740	290	550	600	20	125	250	1406	1430	417	441
	180 M- 2	22		1135	220	660		490	540				1295	1355	365	370
	160L-2	18.5	130	1125						16			1270	1325	320	343
	160M2- 2	15											1225	1280	198	326
	112M- 4	4	115	915	200	600		440	490	16			1205	1265	212	217
	100L2- 4	3											1005	1055	205	214
80-65-125	132S1- 2	5. 5	110	830	190	540	220	400	450	16	100	160	960	995	138	151
	112M- 2	4	90	790	170	480		350	400				885	945	124	132
	100L-2	3		780									865	915		149
	802- 4	0. 75	70	705	150	440	220	320	370				770	815	84	89
	801- 2	0. 55													83	88
80 - 65- 160	132S2- 4	7. 5	110	830	185	540	250	400	450	16	100	180	960	995	155	169
	132S1 - 2	5. 5													149	162
	90L- 4	1. 5	90	755	170	480	250	350	400				820	870	108	118
	90S- 4	1. 1		715	165								790	840	105	116
	802- 4	0. 75											770	815	95	100

Pump	electric engine		A1	L1	L2	L3	H1	B1	B	d	n	h	L		total mass KG	
	Model	Power KW											Y	YB	Y	YB
80-50-200	160M-2	15	130	955	210	600	250	440	490	16	100	200	1085	1140	230	256
	160M-2	11													222	240
	132S-2	7. 5	110	830	185	540		400	450				960	955	160	174
	100L1-4	2.1	90	780	170	480	250	350	400				865	915	120	130
	90L-4	1.5		755									820	870	114	124
	90S-4	1.1											795	845	106	120
80-50-250	180M-2	22	130	1135	220	560	270	490	540	20	125	225	1270	1330	335	370
	160L-2	18.5		3[illegible]0						16			1245	1300	305	328
	160M2-2	15											1200	1255	270	330
	100L2-4	3	95	910	185	540		400	450	16			980	1030	175	184
	100L1-4	2. 2													171	182
80-50-315	200L2-2	37	115	1200	245	740	315	550	640	20	125	280	590	620	430	465
	200L1-2	30													416	440
	180M-2	22	130	1135	220	660		490	540				505	595	363	398
	132S-4	5. 5	115	00[illegible]5	205	600		440	490	16			500	535	235	247
	112M-2	4		915	200								470	530	207	215
100-80-125	160M1-2	11	115	955	205	600	250	440	490	16	100	180	1085	1[illegible]0	210	228
	132S2-2	7. 5	95	850	185	540		400	450				960	995	157	171
	132S1-2	5. 5													151	164
	90L-4	1.5	75	765	165	480		350	480				820	875	111	121
	90S-4	1.1											795	845	106	117
100-80- 160	160M2-2	15	130	1075	220	660	250	490	540	16	100	200	1200	1255	250	276
	160M1-2	11													242	260
	100L1-4	2. 2	95	910	185	540		400	450				980	1030	150	161
	90L-4	1.5		855									935	985	141	151
100-65- 200	180M-2	22	130	1135	220	660	270	490	540	20	100	225	1270	1330	335	370
	160L-2	18.8		1125						16			1245	1300	303	326
	160M2-2	15											1200	1255	270	296
	112M -4	4	115	915	200	600	270	440	490				1000	1060	181	189
	100L2-4	3											980	1030	177	186
	100L1-4	2. 2													173	184
100-65-250	200L2-2	37	140	1215	245	740	290	550	600	20	125	250	1400	1430	440	475
	200L1-2	30													425	450
	132S-4	5. 5	100	1015	210	600		440	490	16			1100	1135	231	243
	112M-4	4		940									1025	1085	203	211

Pump	electric engine		A1	L1	L2	L3	H1	B1	B	d	n	h	L		total mass KG	
	Model	KW											Y	YB	Y	YB
125-80-250	260S-2	75	210	1505	325	940	390	670	320	20	100	280	1635	1645	875	961
	250M-2	55	180	1358	295	840	360	660	660				1565	1570	860	962
	225M-2	45	140	1295	250	740	335	550	600				1450	1475	530	640
	200L-2	37		1260			315						1410	1440	455	490
	160M-4	11	115	1125	220	960	315	490	540	20			1225	1380	315	340
	132M-4	7.5											1150	1185	260	268
	132S-4	5.5		1055									1110	1145	245	257
125-80-315	315S-2	110	210	1540	325	940	425	670	720	20	125	315	1855	1905	1290	1310
	280M-2	90											1717	1725	910	1010
	280S-2	75		1505			415						1665	1675	815	920
	160L-4	15	140	1180	250	740	340	550	600	20			1310	1365	400	420
	160M-4	11		1125									1265	1320	370	395
	132M-4	7.5	115	1055	220	660	385	490	540				1180	1215	315	323
125-100-200	225M-2	45	140	1270	260	740	315	550	600	20	125	280	1440	1465	500	610
	200L-2	37													435	470
	200L-2	30		1215	245		290						1400	1430	420	415
	132M-4	7.5	100	1015	210	600	290	440	490	16			1140	1175	227	241
	132S-4	5.5											1100	1135	214	226
	112M-4	4		940									1025	1085	200	208
125-100-250	280S-2	75	210	1505	325	940	390	670	720	20	140	280	1440	1465	500	610
	250M-2	55		1385			360								435	470
	225M-2	45	180	1395	295	640	335	600	660				1400	1430	420	415
	160M-4	11	115	1125	225	660	315	490	540	20			1440	1175	227	241
	132M-2	7.5											1100	1135	214	226
	132S-2	5.5		1055									1025	1085	200	208
125-80-315	315S-4	110	210	1540	325	940	425	670	720	20	125	315	1855	1905	1290	1310
	280M-2	90											1717	1725	910	1010
	280S-2	75		1505			415						1665	1675	815	920
	160L-4	15	140	1160	250	740	340	550	600	20			1310	1365	400	422
	160M-4	11		1125									1265	1320	370	305
	132M-4	7.5	115	1055	220	660	285	490	540				1180	1215	315	323
125-100-200	226M-2	45	140	1270	260	740	315	550	600	20	125	280	1440	1465	500	610
	200L-2	37														
	200L-2	30		1215	245		290						1400	1430	420	445
	132M-4	7.5	100	1015	210	600	290	440	490	16			1140	1175	227	241
	132S-4	5.5											1100	1135	214	226
	112M-4	4		940									1025	1085	200	208
125-100-250	280S-2	75	210	1505	325	940	390	670	720	20	140	280	1690	1700	817	923
	250M-2	55		1385			360						1620	1630	676	778
	225M-2	45	180	1205	295	640	335	600	660				1505	1630	560	670
	160M-4	11	115	1125	225	660	315	490	540	20			1290	1345	346	371
	132M-4	7.5											1205	1240	292	306
	132S-4	5.5		1055									1165	1200	279	219
125-100-315	315S-2	110	210	1540	325	940	425	670	670	20	140	315	1870	1920	1290	1310
	280M-2	90											1820	1830	920	1000
	280S-2	75		1505			415						1680	1690	845	950
	160L-4	15	140	1180	260	740	340	550	600	20			1325	1380	410	432
	160M-4	11	115	1125	220	660		490	540				1280	1335	373	398
125-80-400	200L-4	30	140	1260	245	740	870	550	600	20	125	355	1440	1470	575	605
	180L-4	22											1375	1415	500	580
	180M-4	18.5		1230									1335	1395	490	530
	160L-4	15		1180									1310	1365	450	472
125-100-400	200L-4	30	160	1285	290	840	390	600	650	20	140	355	1455	1485	700	730
	180L-4	22		1245									1390	1430	530	610
	180M-4	18.5		1215									1350	1410	522	560
	160L-4	15											1325	1380	490	512
150-125-250	180M-4	18.5	140	1210	250	740	340	550	600	20	140	355	1350	1410	435	473
	160L-4	15		1160				440	490				1325	1380	400	422
	160M-4	11		1125	220	660							1280	1335	360	385
150-125-315	200L-4	30	160	1285	290	840	330	600	650	20	140	355	1455	1485	605	635
	180L-4	22		1245									1390	1420	525	605
	180M-4	18.5		1215									1350	1410	317	557
	160L-4	16											1325	1330	486	508
150-125-400	225M-4	45	160	1345	290	840	425	600	650	20	140	400	1545	1570	640	750
	225S-4	37											1520	1545	610	716
	200L-4	30		1285									1475	1505	600	630
200-150-250	225S-4	37	160	1320	200	840	390	600	650	20	160	375	1500	1525	635	740
	200L-4	30		1285									1455	1475	625	705
	180L-4	22		1245									1390	1430	545	625
200-150-315	250M-4	55	190	1595	320	940	425	670	720	20	160	400	1750	1800	825	900
	225M-4	45		1495									1665	1680	730	850
	225S-4	37		1430									1640	1665	690	796
	200L-4	30											1595	1630	685	765
200-150-400	280M-4	90	190	1665	320	940	425	670	720	20	160	450	1890	1900	1110	1243
	280S-4	75											1840	1850	1050	1138
	250S-4	55		1555									1770	1820	865	948

ISW flange size

IS pump flange dimensions



Model	Inlet flange					Outlet flange				
	DN1	D1	D11	b1	n1-d01	DN2	D2	D12	b2	N2-d02
50-32-125	50	165	125	20	4-17.5	32	140	100	18	4-17.5
50-32-160										
50-32-200										
50-32-250										
65-50-125	65	185	145	20	4-17.5	50	165	125	20	4-17.5
65-50-160										
65-40-200						40	150	110	18	4-17.5
65-40-250										
65-40-315										
80-65-125	80	200	160	20	8-17.5	65	185	145	20	4-17.5
80-65-160										
80-50-200						50	165	125	20	4-17.5
80-50-250										
80-50-315										
100-80-125	100	220	180	22	8-17.5	80	200	160	20	8-17.5
100-80-160										
100-65-200						65	185	145	20	4-17.5
100-65-250										
100-65-315										
125-80-200I	125	250	210	22	8-17.5	80	200	160	20	8-17.5
125-80-250I										
125-80-315I									30	
125-80-400I										
125-100-200II	125	250	210	22	8-17.5	100	220	180	22	8-17.5
125-100-250II										
125-100-315II										
125-80-400II										
125-100-400II										
150-125-250	150	285	240	24	8-22	125	250	210	22	8-17.5
150-125-315										
150-125-400										
200-150-250	200	340	295	24	12-22	150	285	240	24	8-22
200-150-315										
200-150-400										
200-150-250	200	340	295	24	12-22	150	285	240	24	8-22
200-150-315										
200-150-400										

Model	Inlet flange					Outlet flange				
	DN1	D1	D11	b1	n1-d01	DN2	D2	D12	b2	N2-d02
250-200-315	250	405	355	28	12-24	200	340	295	28	12-22
250-200-400										
300-250-315	300	460	410	28	12-26	250	405	355	30	12-24
300-250-400										
350-300-315	350	520	470	30	16-28	300	485	410	32	12-26
350-300-400										

Common Faults and Solutions

Faults and solutions

Faults	Reason	Solutions
Pump not lift water, and the pressure gauge shaking fiercely	Insufficient filling water, air in the pump, air leakage in the suction pipe and pressure gauge pipe	Filling enough water and check the pipeline to eliminate air leakage.
The vacuum gauge indicates high vacuum but pump not lift water	The bottom valve not opened or seriously blocked, the large resistance of the suction pipe large, andthe water absorption height is too high	Check the flexibility of the bottom valve port, remove the blockage, try to make the suction pipeline unobstructed, and reduce the water suction height.
The outlet gauge shows normal pressure, and the pump produceslittle or no water	The outlet pipe has large resistance, the steering wrong, the impeller blocked, and the speed not enough	Reduce pipe resistance, check motor rotation, clear impeller blockage, increase speed
The flow rate lower than the design one	The impeller clogged, the seal ring gap too worn, and the speed not enough.	Remove the blockage, replace the sealing ring, and increase the speed to the specified one.
Too much power consuming	The packing pressure too tight, the packing space too hot, the impeller worn, and the water supply too large	Loosen the packing gland, replace the impeller, close the gate valve, and reduce the flow
Strange noise in the pump, and the pump not lift water	The resistance of the suction pipe is too large, air is sucked into the suction pipe, the suction height is too large, and the temperature of the liquid is too high	Check whether the suction pipe blocked, clean the bottom valve, reduce the suction height, and lower the liquid temperature
Pump vibration	The water pump shaft not concentric with the motor shaft, the impeller unbalanced, and thebearing clearance too large.	Adjust the motor to align with the axis of the pump. The impeller passed the balance test. The unbalanced weight requires about 3g, replace the bearing
Bearing heating	Lack of oil in the bearing or too much oil viscosity affects lubrication, severe bearing wear and excessive clearance, misalignment between the pump and themotor.	Add oil, replace oil with less viscosity, replace bearings, adjust motor and pump to ensure concentricity
Loud noise	The pump and the motor are out of concentricity, the pump or the motor is worn out, resulting in beating	Adjust the motor and pump to ensure concentricity and replace with new bearings