



产品选型手册

PRODUCT SELECTION CATALOGUE

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上海卓而特泵业有限公司
SHANGHAI SUOTO PUMP INDUSTRIAL CO., LTD



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SHANGHAI SUOTO PUMP INDUSTRIAL CO., LTD

COMPANY PROFILE

Shanghai SUOTO Pump Industrial Co., Ltd. is a ISO9001:2008 listed company, which is located in Shanghai, and has production bases in Zhejiang, Hunan. It is a famous diversified enterprise integrating R&D, production, sales and service of various kinds of pumps. Main products are Centrifugal pumps, Chemical pumps, Sewage pumps, Oil pumps, Vacuum pumps, Diesel pumps, Water supply system, etc. We have obtained import and export license, and own an independent foreign trade department with a professional team, providing superb and efficient service for foreign customers. Now 80% of our pumps are exported to over 40 countries in South East Asia, America, Middle East, Europe...

The company introduced the world's advanced fluid flow analysis, three-dimensional CAD, CAM, FMS and other R&D software system, and implementation of ERP management. It boasts a leading pump test center, laser forming device, coordinate measuring machine, and other total more than 200 sets of advanced production and testing equipment. Products cover construction, municipal, power, petroleum, chemical, mining and other dozens of categories, the annual production capacity of 1 million units. The company has the domestic first-class production equipment and sophisticated detection equipment, every step of the product is under rigorous testing to ensure the highest standards at the factory.

With the steady development, our company has established a perfect sales and service system, providing our clients with professional technical support and services. The company currently has: Hangzhou Sibao Sewage Treatment Plant, the water cycle works in Guangzhou New Baiyun Airport, Bao Steel and the UAE BK Gulf LLC, Vietnam Oil and Gas Group Petrovietnam, Myanmar Ticyit Coal-Burning Firepower Plant, Pakistan Darawat Dam project, and other large numbers of domestic and foreign model works.

Providing excellent products and to build world brand is what we have been pursuing. Adhering to the spirit "down to earth, scaled new heights", we will make unremitting efforts to meet customer and market needs!

Think Pump Think Suoto



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EA Type End Suction Centrifugal Pump

Design & Material

Bare Shaft, Direct Coupled with Electric Motor or Engine	
Design	Performance and dimensions referring to the European standard BS EN733/DIN24255
Structure	Horizontal, Axial End-Suction, Single-Stage, Single-Suction, Volute Casing, Back pull-out
DN	32 - 250mm
Flange	DIN2501 standard, ANSI B16.5 Class 150lb optional
Casing	Cast Iron standard, Ductile Iron, Stainless Steel optional
Impeller	Bronze standard, Cast Iron, Stainless Steel optional
Shaft	ASTM420 standard, ASTM304, ASTM316, ASTM1045 optional
Shaft Seal	Mechanical Seal Standard, Gland Packing optional

Operating Data

Flow Rate(Q)	2-1100 m ³ /h
Head(H)	2-150m
Speed	1450~2900 rpm (50HZ), 1750~3500 rpm (60HZ)
Temperature	-10 °C -105 °C
Working Pressure	10 Bar standard, 16 Bar standard on request

Applications

- 1 General purpose pumping
- 2 HVAC and Cooling Tower
- 3 Fire Protection and Fire Fighting
- 4 Water circulation
- 5 Liquid transfer
- 6 Irrigation
- 7 Heating, ventilation and air-conditioning
- 8 Booster service





ISG(ISW) Type Inline Centrifugal Pump

Product Overview

ISG ISW series single stage single suction centrifugal pump is a high-efficient,energy-saving product successfully designed by means of adopting the property data of IS model centrifugal pump and the unique merits of close-coupled pump and strictly in accordance with ISO2858 standard and the latest national standard JB/T53058-93. It is an ideal product to replace IS horizontal pump, DL model vertical pump and other ordinary pumps.



Features

1. Easy to mount. The inlet and outlet of ISG type is located on the same central line, the pump can be directly mounted on any part of the pipeline just as a valve. Covered with a rain-proof cap, it can be operated outdoors.
2. Impeller mounted directly on the long axis of the motor, pump and motor bearing arrangement is reasonable, pump operation can effectively balance the radial and axial loads, thus ensuring the smooth operation of the pump, small vibration and low noise.
3. Mechanical shaft seal, use of titanium alloy seal ring, high temperature resistant mechanical seal, anti-wearing carbide materials,no leakage.
4. Easy installation and maintenance, no need to open pipeline system, the rotation parts of the pump can be pulled out by removing the screws on the pump.
5. According to the needs of flow and head, the pump can be used in series or parallel operation mode.

ISG(ISW) Type Inline Centrifugal Pump

Working Conditions

1. Suction pressure $\leq 1.0\text{MPa}$, the maximum pump system working pressure $\leq 1.6\text{MPa}$, the pump hydrostatic test pressure $\leq 2.5\text{MPa}$.
2. Ambient temperature $< 40\text{ }^{\circ}\text{C}$, relative humidity $\leq 40\%$.
3. Content of solid particles in the medium per unit volume does not exceed 0.1% , particle size $< 0.2\text{mm}$.



Application

1. ISG ISW centrifugal pump is for conveying water or other liquids that physical and chemical properties similar to water, like industrial and urban water supply and drainage, high-rise building pressurized water, garden irrigation, water boosting, long-distance water transport, HVAC refrigeration circulation, bathroom and heating equipment for pressurized water circulation, temperature $< 80\text{ }^{\circ}\text{C}$.
2. ISR ISWR hot water pump is used in metallurgy, chemical industry, textile, wood processing, paper and restaurants, bathrooms, hotels and other high-temperature hot water boiler loop pressurized transport and urban housing heating circulating, temperature below $120\text{ }^{\circ}\text{C}$.
3. ISH ISWH stainless steel chemical pump is for conveying liquids without solid particles, corrosive, viscosity similar to water, which is used in petroleum, chemical, metallurgical, power, paper, food sectors such as pharmaceuticals and synthetic fibers, temperature is $-20\text{ }^{\circ}\text{C} \sim 120\text{ }^{\circ}\text{C}$.
5. ISY ISWY explosion-proof pump is for the transport of gasoline, kerosene, diesel and other petroleum products, medium temperature of $-20\text{ }^{\circ}\text{C} \sim +120\text{ }^{\circ}\text{C}$.
6. ISHY ISWHY stainless steel explosion-proof chemical centrifugal pump for conveying flammable and explosive chemical liquids.
7. The above model pump with low-speed motor, suitable for occasions that require low noise, like hospital, hotel, and air conditioning water circulation, etc.



IS(IH) Type Horizontal Centrifugal Pump

Product Overview

IS single stage single suction pump(end suction pump) is the joint designed energy-saving pump. This pump is suitable for industrial and municipal water supply and drainage, can also be used for agricultural irrigation and for conveying water or other liquids that physical and chemical properties similar to water, the temperature is not higher than 110 °C.



IH stainless steel chemical pump is used to transport corrosive liquid with viscosity similar to water and without solid particles. It is widely used in chemical industries, metallurgy, papermaking, foodstuff, pharmaceuticals, etc.

Features

1, The pump is designed according to ISO2858 international standard, mainly consist of the pump body, pump cover, impeller, shaft, sealing rings, bushings and suspension bearing parts and so on.

2, The pump is with back pull out structure. The advantage is easy maintenance, no need to remove the pump body, suction piping, discharge piping and motor, simply remove the coupling, you can exit the rotor parts.

3, Pump housing (pump body and pump cover) constitute the pump working chamber. Impeller, shaft and bearing as the pump rotor. Suspension bearing unit supporting the pump rotor parts, bearing supports radial and axial force of the pump.



IS(IH) Type Horizontal Centrifugal Pump

4, In order to balance the axial force of the pump, most of the pump impeller are equipped with sealing ring and the impeller back cover has a balance hole.

5, IS type pump shaft seal is consist of the packing gland, packing ring, and packing, so as to avoid air admission and severe water leakage.

IH type pump shaft seal has single mechanical seal and double mechanical seal two types.

6, To prevent shaft wear, it has sleeve protection. Between the sleeve and shaft there is O-ring to prevent leaking.

7, The pump and motor is connected through flexible coupling, from the motor end, the pump rotation direction is clockwise.

Model Meaning

For example: IS80-65-160A

IS - single stage single suction clean water centrifugal pump

80 - suction diameter (mm)

65 - discharge diameter (mm)

160 - impeller diameter (mm)

A - Cutting impeller for the first time



IS(IH) Type Horizontal Centrifugal Pump

Model	Capacity	Head	Speed	Shaft Power	Matched Motor		Eff.	NPSH	Impeller Dia.	Diameter		Weight
	Q	H	n	Pa	Power	Model	η			Suc.	Dis.	
	m ³ /h	m	r/min	kW	kW		%			mm	mm	
50-32-125	7.5	22	2980	0.96	2.2	Y90L-2	47	2.0	127	50	32	40
	12.5	20		1.13			60	2.0				
	15	18.5		1.26			60	2.5				
	3.75	5.4	1480	0.13	0.55	Y801-4	43	2.0	127	50	32	40
	6.3	5		0.16			54	2.0				
	7.5	4.6		0.17			55	2.5				
50-32-125A	11.2	16	2980	0.98	1.5	Y90S-2	50	2.0	115	50	32	40
	5.6	4	1480	0.12	0.55	Y801-4	52	2.0	115	50	32	40
50-32-160	7.5	34.3	2980	1.59	3	Y100L-2	44	2.0	154	50	32	40
	12.5	32		2.02			54	2.0				
	15	29.6		2.16			56	2.5				
	3.75	8.5	1480	0.25	0.55	Y801-4	35	2.0	154	50	32	40
	6.3	8		0.29			48	2.0				
	7.5	7.5		0.31			49	2.5				
50-32-160A	11.7	28	2980	1.72	3	Y100L-2	52	2.0	146	50	32	40
	5.9	7	1480	0.24	0.55	Y801-4	46	2.0	146	50	32	40
50-32-160B	10.8	24	2980	1.41	2.2	Y90L-2	50	2.0	136	50	32	40
	5.4	6	1480	0.2	0.55	Y801-4	44	2.0	136	50	32	40
50-32-200	7.5	52.5	2980	2.82	5.5	Y132S1-2	38	2.0	198	50	32	43
	12.5	50		3.55			48	2.0				
	15	48		3.84			51	2.5				
	3.75	13.1	1480	0.41	0.75	Y802-4	33	2.0	198	50	32	43
	6.3	12.5		0.51			42	2.0				
	7.5	12		0.56			44	2.5				
50-32-200A	11.7	44	2980	3.05	4	Y112M-2	46	2.0	183	50	32	43
	5.9	11	1480	0.44	0.75	Y802-4	40	2.0	183	50	32	43
50-32-200B	10.8	38	2980	2.54	4	Y112M-2	44	2.0	170	50	32	43
	5.4	9.5	1480	0.37	0.55	Y801-4	38	2.0	170	50	32	43

IS(IH) Type Horizontal Centrifugal Pump

50-32-250	7.5	82	2980	5.88	11	Y160M1-2	28.5	2.0	243	50	32	76
	12.5	80		7.17			38	2.0				
	15	78.5		7.82			41	2.5				
	3.75	20.5	1480	0.91	1.5	Y90L-4	23	2.0	243	50	32	76
	6.3	20		1.07			32	2.0				
	7.5	19.5		1.14			35	2.5				
50-32-250A	11.7	70	2980	6.2	7.5	Y132S2-2	36	2.0	231	50	32	76
	5.9	17.5	1480	0.94	1.5	Y90L-4	30	2.0	231	50	32	76
50-32-250B	10.8	60	2980	5.19	7.5	Y132S2-2	34	2.0	216	50	32	76
	5.4	15	1480	0.79	1.1	Y90S-4	28	2.0	216	50	32	76
65-50-125	15	21.8	2980	1.54	3	Y100L-2	58	2.0	126	65	50	38.6
	25	20		1.97			69	2.5				
	30	18.5		2.22			68	3.0				
	7.5	5.35	1480	0.21	0.55	Y801-4	53	2.0	126	65	50	38.6
	12.5	5		0.27			64	2.0				
	15	4.7		0.3			65	2.5				
65-50-125A	22.4	16	2980	1.46	2.2	Y90L-2	67	2.5	116	65	50	38.6
	11.2	4	1480	0.2	0.55	Y801-4	62	2.0	116	65	50	38.6
65-50-160	15	35	2980	2.65	5.5	Y132S1-4	54	2.0	161	65	50	39
	25	32		3.35			65	2.0				
	30	30		3.71			66	2.5				
	7.5	8.8	1480	0.36	0.75	Y802-4	50	2.0	161	65	50	39
	12.5	8		0.45			60	2.0				
	15	7.2		0.49			60	2.5				
65-50-160A	23.4	28	2980	2.83	4	Y112M-2	63	2.0	152	65	50	39
	11.7	7	1480	0.38	0.75	Y802-4	58	2.0	152	65	50	39
65-50-160B	21.7	24	2980	2.33	4	Y112M-2	61	2.0	142	65	50	39
	10.8	6	1480	0.32	0.55	Y801-4	56	2.0	142	65	50	39
65-40-200	15	53	2980	4.42	7.5	Y132S2-2	49	2.0	195	65	40	46
	25	50		5.67			60	2.0				
	30	47		6.29			61	2.5				
	7.5	13.2	1480	0.63	1.1	Y90S-4	43	2.0	195	65	40	46
	12.5	12.5		0.77			55	2.0				
	15	11.8		0.85			57	2.5				



IS(IH) Type Horizontal Centrifugal Pump

65-40-200A	23.4	44	2980	4.83	7.5	Y132S2-2	58	2.0	185	65	40	46
	11.7	11	1480	0.66	1.1	Y90S-4	53	2.0	185	65	40	46
65-40-200B	21.7	38	2980	4.01	5.5	Y132S1-2	56	2.0	173	65	40	46
	10.8	9.5	1480	0.55	1.1	Y90S-4	51	2.0	173	65	40	46
65-40-250	15	82	2980	9.05	15	Y160M2-2	37	2.0	247	65	40	80
	25	80		10.89			50	2.0				
	30	78		12.02			53	2.5				
	7.5	21	1480	1.23	2.2	Y100L1-4	35	2.0	247	65	40	80
	12.5	20		1.48			46	2.0				
	15	19.4		1.65			48	2.5				
65-40-250A	23.4	70	2980	9.29	15	Y160M2-2	48	2.0	236	65	40	80
	11.7	17.5	1480	1.27	2.2	Y100L1-4	44	2.0	236	65	40	80
65-40-250B	21.7	60	2980	7.71	11	Y160M1-2	46	2.0	220	65	40	80
	10.8	15	1480	1.05	1.5	Y90L-4	42	2.0	220	65	40	80
65-40-315	15	127	2980	18.5	30	Y200L1-2	28	2.5	307	65	40	106
	25	125		21.3			40	2.5				
	30	123		22.8			44	3.0				
	7.5	32.3	1480	2.64	4	Y112M-4	25	2.5	307	65	40	106
	12.5	32		2.94			37	2.5				
	15	31.7		3.16			41	3.0				
65-40-315A	23.9	114	2980	19.53	30	Y200L1-2	38	2.5	297	65	40	106
	11.9	28.5	1480	2.64	4	Y112M-4	35	2.5	297	65	40	106
65-40-315B	22.7	103	2980	17.69	22	Y180M-2	36	2.5	281	65	40	106
	11.3	25.8	1480	2.41	4	Y112M-4	33	2.5	281	65	40	106
65-40-315C	21.4	92	2980	15.77	18.5	Y160L-2	34	2.5	269	65	40	106
	10.7	23	1480	2.16	3	Y100L2-4	31	2.5	269	65	40	106
80-65-125	30	22.5	2980	2.87	5.5	Y132S1-2	64	3.0	133	80	65	53.5
	50	20		3.63			75	3.0				
	60	18		3.97			74	3.5				
	15	5.6	1480	0.42	0.75	Y802-4		2.5	133	80	65	53.5
	25	5		0.48			55	2.5				
	30	4.5		0.51				3.0				



IS(IH) Type Horizontal Centrifugal Pump

80-65-125A	44.7	16	2980	2.67	4	Y112M-2	69	2.5	122	80	65	53.5
	22.4	4	1480	0.35	0.55	Y801-4	69	2.5	122	80	65	53.5
80-65-160	30	36	2980	4.82	7.5	Y132S2-2	61	2.5	163	80	65	44
	50	32		5.97			73	2.5				
	60	29		6.58			72	3.0				
	15	9	1480	0.67	1.5	Y90L-2	55	2.5	163	80	65	44
	25	8		0.79			69	2.5				
	30	7.2		0.87			68	3.0				
80-65-160A	46.8	28	2980	5.03	7.5	Y132S2-2	71	2.5	155	80	65	44
	23.4	7	1480	0.67	1.1	Y90S-4	67	2.5	155	80	65	44
80-65-160B	43.3	24	2980	4.1	5.5	Y132S1-2	69	2.5	145	80	65	44
	21.7	6	1480	0.55	1.1	Y90S-4	65	2.5	145	80	65	44
80-50-200	30	53	2980	7.87	15	Y160M2-2	55	2.5	197	80	50	48
	50	50		9.87			69	2.5				
	60	47		10.8			71	3.0				
	15	13.2	1480	1.06	2.2	Y100L1-4	51	2.5	197	80	50	48
	25	12.5		1.31			65	2.5				
	30	11.8		1.44			67	3.0				
80-50-200A	46.8	44	2980	8.37	11	Y160M1-2	67	2.5	187	80	50	48
	23.4	11	1480	1.11	1.5	Y90L-4	63	2.5	187	80	50	48
80-50-200B	43.3	38	2980	6.89	11	Y160M1-2	65	2.5	175	80	50	48
	21.7	9.5	1480	0.92	1.5	Y90L-4	61	2.5	175	80	50	48
80-50-250	30	84	2980	13.2	22	Y180M-2	52	2.5	243	80	50	86
	50	80		17.29			63	2.5				
	60	75		19.14			64	3.0				
	15	21	1480	1.75	3	Y100L2-4	49	2.5	243	80	50	86
	25	20		2.27			60	2.5				
	30	18.8		2.52			60	3.0				
80-50-250A	46.8	70	2980	14.63	18.5	Y160L-2	61	2.5	230	80	50	86
	23.4	17.5	1480	1.92	3	Y100L2-4	58	2.5	230	80	50	86

IS(IH) Type Horizontal Centrifugal Pump

80-50-250B	43.3	60	2980	11.99	15	Y160M2-2	59	2.5	214	80	50	86
	21.7	15	1480	1.58	2.2	Y100L1-4	56	2.5	214	80	50	86
80-50-315	30	128		25.5			41	2.5				
	50	125	2980	31.5	37	Y200L2-2	54	2.5	307	80	50	109
	60	123		35.3			57	3.0				
	15	32.5		3.4			39	2.5				
	25	32	1480	4.19	5.5	Y132S-4	52	2.5	307	80	50	109
	30	31.5		4.6			56	3.0				
80-50-315A	47.7	114	2980	28.48	37	Y200L-2	52	2.5	294	80	50	109
	23.8	28.5	1480	3.69	5.5	Y132S-4	50	2.5	294	80	50	109
80-50-315B	45.4	103	2980	25.47	30	Y200L1-2	50	2.5	278	80	50	109
	22.7	25.8	1480	3.32	5.5	Y132S-4	48	2.5	278	80	50	109
80-50-315C	42.9	92	2980	22.39	30	Y200L1-2	48	2.5	266	80	50	109
	21.4	23	1480	2.91	4	Y112M-4	46	2.5	266	80	50	109
100-80-125	60	24		5.85			67	4.0				
	100	20	2980	6.98	11	Y160M1-2	78	4.5	135	100	80	58
	120	16.5		7.29			74	5.0				
	30	6		0.77			64	2.5				
	50	5	1480	0.91	1.5	Y90L-4	75	2.5	135	100	80	58
	60	4		0.92			71	3.0				
100-80-125A	89.4	16	2980	5.13	7.5	Y132S2-2	76	4.5	125	100	80	58
	44.7	4	1480	0.67	1.1	Y90S-4	73	2.5	125	100	80	58
100-80-160	60	36		8.4			70	3.5				
	100	32	2980	11.2	15	Y160M2-2	78	4.0	165	100	80	79
	120	28		12.2			75	5.0				
	30			1.12			67	2.0				
	50	1480	1480	1.45	2.2	Y100L1-4	75	2.5	165	100	80	
	60			1.56			71	3.5				



IS(IH) Type Horizontal Centrifugal Pump

100-80-160A	93.5	28	2980	9.38	15	Y160M2-2	76	4.0	158	100	80	79
	46.8	7	1480	1.22	2.2	Y100L1-4	73	2.5	158	100	80	79
100-80-160B	86.6	24	2980	7.65	11	Y160M1-2	74	4.0	147	100	80	79
	43.3	6	1480	1	1.5	Y90L-4	71	2.5	147	100	80	79
100-65-200	60	54	2980	13.6	22	Y180M-2	65	3.0	198	100	65	56
	100	50		17.9			76	3.6				
	120	47		19.9			77	4.8				
	30	13.5	1480	1.84	4	Y112M-4	60	2.0	198	100	65	56
	50	12.5		2.33			73	2.0				
	60	11.8		2.61			74	2.5				
100-65-200A	93.5	44	2980	15.14	18.5	Y160L-2	74	3.6	188	100	65	56
	46.8	11	1480	1.97	3	Y100L2-4	71	2.0	188	100	65	56
100-65-200B	86.6	38	2980	12.45	15	Y160M2-2	72	3.6	177	100	65	56
	43.3	9.5	1480	1.62	2.2	Y100L1-4	69	2.0	177	100	65	56
100-65-250	60	87	2980	23.4	37	Y200L2-2	61	3.5	248	100	65	95
	100	80		30.3			72	3.8				
	120	74.5		33.4			73	4.8				
	30	21.3	1480	3.16	5.5	Y132S-4	55	2.0	248	100	65	95
	50	20		4			68	2.0				
	60	19		4.44			70	2.5				
100-65-250A	93.5	70	2980	25.46	30	Y200L1-2	70	3.8	235	100	65	95
	46.8	17.5	1480	3.38	5.5	Y132S-4	66	2.0	235	100	65	95
100-65-250B	86.6	60	2980	20.81	30	Y200L1-2	68	3.8	219	100	65	95
	43.3	15	1480	2.76	4	Y112M-4	64	2.0	219	100	65	95
100-65-315	60	133	2980	39.5	75	Y280S-2	55	3.0	307	100	65	130
	100	125		51.6			66	3.6				
	120	118		57.6			67	4.2				
	30	34	1480	5.45	11	Y160-4	51	2.0	307	100	65	130
	50	32		6.92			63	2.0				
	60	30		7.66			64	2.5				
100-65-315A	95.5	114	2980	46.33	35	Y250M-2	64	3.6	296	100	65	130
	47.7	28.5	1480	6.07	7.5	Y132M-4	61	2.0	296	100	65	130

IS(IH) Type Horizontal Centrifugal Pump

100-65-315B	90.8	103	2980	41.08	55	Y250M-2	62	3.6	281	100	65	130
	45.4	25.8	1480	5.41	7.5	Y132M-4	59	2.0	281	100	65	130
100-65-315C	85.8	92	2980	35.83	45	Y225M-2	60	3.6	270	100	65	130
	42.9	23	1480	4.71	7.5	Y132M-4	57	2.0	270	100	65	130
125-100-200	120	57.5	2980	28	45	Y225M-2	67	4.5	210	125	100	87
	200	50		33.6			81	4.5				
	240	44.5		36.4			80	5.0				
	60	14.5	1480	3.82	7.5	Y132M-4	62	2.5	210	125	100	87
	100	12.5		4.48			76	2.5				
	120	11		4.79			75	3.0				
125-100-200A	187	44	2980	28.36	37	Y200L2-2	79	4.5	199	125	100	87
	93.5	11	1480	3.79	5.5	Y132S-4	74	2.5	199	125	100	87
125-100-200B	173	38	2980	23.25	30	Y200L1-2	77	4.5	188	125	100	87
	86.5	9.5	1480	3.11	4	Y112M-4	72	2.5	188	125	100	87
125-100-250	120	87	2980	43.1	75	Y280S-2	66	3.8	248	125	100	125
	200	80		55.9			78	4.2				
	240	72		62.7			75	5.0				
	60	21.5	1480	5.58	11	Y160M-4	63	2.5	248	125	100	125
	100	20		7.71			76	2.5				
	120	18.5		7.85			77	3.0				
125-100-250A	187	70	2980	46.91	55	Y250M-2	76	4.2	236	125	100	125
	93.5	17.5	1480	6.02	7.5	Y132M-4	74	2.5	236	125	100	125
125-100-250B	173	60	2980	38.2	45	Y225M-2	74	4.2	220	125	100	125
	86.5	15	1480	4.91	7.5	Y132M-4	72	2.5	220	125	100	125
125-100-315	120	132.5	2980	72.2	110	Y315S-2	60	4.0	308	125	100	125
	200	125		90.8			75	4.5				
	240	120		101.9			77	5.0				
	60	33.5	1480	9.4	15	Y160L-4	58	2.5	308	125	100	125
	100	32		11.9			73	2.5				
	120	30.5		13.5			74	3.0				
125-100-315A	191	114	2980	81.23	90	Y280M-2	73	4.5	297	125	100	125
	95.5	28.5	1480	10.44	15	Y160L-4	71	2.5	297	125	100	125

IS(IH) Type Horizontal Centrifugal Pump

125-100-315B	181.6	103	2980	71.75	90	Y280M-2	71	4.5	285	125	100	125
	90.8	25.8	1480	9.25	15	Y160L-4	69	2.5	285	125	100	125
125-100-315C	171.6	92	2980	62.31	75	Y280S-2	69	4.5	272	125	100	125
	85.8	23	1480	8.02	11	Y160M-4	67	2.5	272	125	100	125
125-100-400	60	52		16			53	2.5				
	100	50	1480	20.9	30	Y200L-4	65	2.5	387	125	100	137
	120	48.5		23.7			67	3.0				
125-100-400A	93.5	44	1480	17.78	22	Y180L-4	63	2.5	367	125	100	137
125-100-400B	86.5	38	1480	14.67	18.5	Y180M-4	61	2.5	346	125	100	137
150-125-250	120	22.5		10.4			71	3.0				
	200	20	1480	13.4	18.5	Y180M-4	81	3.0	257	150	125	136
	240	17.5		14.7			78	3.5				
150-125-250A	187	17.5	1480	11.28	15	Y160L-4	79	3.0	293	150	125	136
150-125-250B	173	15	1480	9.18	15	Y160L-4	77	3.0	229	150	125	136
150-125-315	120	34		15.87			70	2.5				
	200	32	1480	22.06	30	Y200L-4	79	2.5	322	150	125	158
	240	29		23.69			80	3.0				
150-125-315A	187	28	1480	18.52	22	Y180L-4	77	2.5	306	150	125	158
150-125-315B	173	24	1480	15.08	18.5	Y180M-4	75	2.5	286	150	125	158
150-125-400	120	53		27.9			62	2.0				
	200	50	1480	36.3	45	Y225M-4	75	2.8	399.5	150	125	187
	240	46		40.6			74	3.5				
150-125-400A	187	44	1480	30.7	37	Y225S-4	73	2.8	371	150	125	187
150-125-400B	173	38	1480	25.22	30	Y200L-4	71	2.8	350	150	125	187
200-150-250	400	20	1480	26.57	37	Y225S-4	82	4.6	269	200	150	186
200-150-250A	374	17.5	1480	22.3	30	Y200L-4	80	4.6	258	200	150	186
200-150-250B	346	15	1480	18.1	22	Y180L-4	78	4.6	256	200	150	186
200-150-315	240	37		34.5			70	3.0				
	400	32	1480	42.5	55	Y250M-4	82	3.5	329	200	150	186
	460	28.5		44.6			80	4.0				

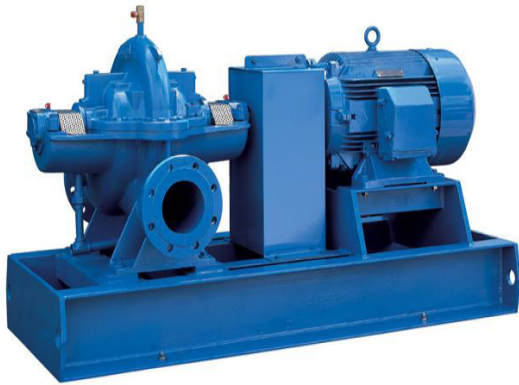


IS(IH) Type Horizontal Centrifugal Pump

200-150-315A	374	28	1480	35.65	45	Y225M-4	80	3.5	314	200	150	186
200-150-315B	346	24	1480	28.99	37	Y225S-4	78	3.5	294	200	150	186
200-150-400	240	55		48.6			74	3.0				
	400	50	1480	67.2	90	Y280M-4	81	3.8	387	200	150	186
	460	45		74.2			76	4.5				
200-150-400A	374	44	1480	56.73	75	Y280S-4	79	3.8	367	200	150	186
200-150-400B	346	38	1480	46.5	55	Y250M-4	77	3.8	346	200	150	186



XS Type Split Casing Pump



Product Overview

XS type split casing pump is the new generation of high performance single stage double suction centrifugal pump, mainly used for water plant, air conditioning, water recycling, heating systems, and high-rise building water supply, irrigation and drainage pumping stations, power plants, industrial water supply system, Fire systems, shipbuilding industry, and other places of fluid transmission is the full replacement of SH, S, SA, SLA, SAP type double suction pump.

Technological Advantages

Bearing spacing between both ends is short, pump running stable, low vibration noise, and can increase the speed of running properly, to adapt to a wider range of performance.

Inlet and outlet at the same line, so that the pipeline layout is simple and convenient, beautiful.

The rotation of the same rotor can be reversed, reducing the risk of damage caused by the water hammer.

Unique design of high temperature, use of intermediate support, thick body, sealed cooling, bearing lubrication, so that the pump can run up to 200 °C occasions, especially for heating network requirements.

Pump can be vertical or horizontal installed according to using conditions, seal can be mechanical seal or packing seal.



XS Type Split Casing Pump

Performance Parameters

Outlet diameter	DN: 80~800mm
Capacity	Q: 22~11600m ³ /h
Head	H: 7~200mm
Temperature	T: -20°C~105°C(XS) -60°C~200°C(XS-R)
Solid parameter	≤80mg/L
Permissible pressure	≤2.5Mpa (XS) ≤4Mpa (XS-R)

Model Description

Example: XS250-480A-L-R (M.F)-J

- XS - new type split casing pump
- 250 - pump outlet diameter (mm)
- 480 - impeller diameter (mm)
- A - trimmed impeller for the first time
- L - Vertical installation (without the L means horizontal installation)
- R - hot water
- M - wear resistant type
- F - corrosion resistant type
- J - shaft seal is mechanical seal

Material of Flow Components

Pump casing made of gray cast iron, ductile iron or cast steel, stainless steel.

Impeller made of gray cast iron, silicon brass, bronze or stainless steel.

Shaft in stainless steel or high carbon steel.

Other materials can be used upon requirement.



XS Type Split Casing Pump

Model		Capacity	Head	Speed	Matched Motor		Eff.	NPSH	Diameter	
		Q	H	n	Power	Model	η		Inlet	Outlet
		m ³ /h	m	r/min	kW		%		mm	
80-210		22 83.5 121	17 13.8 10	1480	5.5	Y132S-4	82	1.6	125	80
	A	20 77.2 108	14.8 11.8 8.7		4	Y112M-4	81		125	80
	B	17.5 70.4 96	12.4 9.8 7.7		3	Y100L-4	80.5		125	80
	C	16 64.4 83	10.6 8.2 6.8		3	Y100L-4	78		125	80
		60 164.5 240	64.5 55 40	2950	37	Y200L2-2	82	4.5	125	80
	A	59 152.9 219	58 47.5 34		30	Y200L1-2	81		125	80
	B	55 138.5 199	49 39 30		30	Y200L1-2	80.5		125	80
	C	52 128.4 170	42 33.5 27.5		22	Y180M-2	77.8		125	80
80-270		26 104.5 138	24.5 22.5 18	1480	11	Y160M-4	78.5	2.3	125	80
	A	25 96 129	22 19 16		11	Y160M-4	78		125	80
	B	22 88.1 116	19.5 16 13		7.5	Y132M-4	76		125	80
	C	21 79.4 105	16.8 13 10.5		5.5	Y132S-4	75		125	80
		80 208 280	107 90 77.5		75	Y280S-2	78.5		125	80

XS Type Split Casing Pump

	A	78 192.4 235	92.5 77 68	2950	75	Y280S-2	77.5	6.3	125	80
	B	75 174.7 220	77.5 63.5 55		55	Y250M-2	76		125	80
	C	74 155 200	64 50 45		37	Y200L2-2	75		125	80
80-370		29 114.4 150	43.5 38.8 29.3	1480	22	Y180L-4	71.5	2.3	125	80
	A	26 105.5 133	37.5 33 25		15	Y160L-4	70.5		125	80
	B	22 96.3 117	32 27.5 22		15	Y160L-4	70		125	80
	C	20 87.1 102	26 22.5 17.9		11	Y160M-4	67.5		125	80
100-250		38 145 212	23.5 18.8 13.1	1480	11	Y160M-4	82.5	2.4	150	100
	A	37 132.9 192	20.1 15.8 11.5		11	Y160M-4	81		150	100
	B	36 122.9 173	17 13.5 10.2		7.5	Y132M-4	79		150	100
	C	34 115.9 154	14.5 11 8.9		5.5	Y132S-4	77.5		150	100
		148.5 289 375	90 75 82	2950	90	Y280M-2	82.5	7.1	150	100
	A	120.8 264.9 340	88.5 63 52.9		75	Y280S-2	80.5		150	100
	B	70 240.5 325	67.5 52 43.5		55	Y250M-2	79		150	100



XS Type Split Casing Pump

	C	60 223.4 295	57.2 44.8 36	148	45	Y225M-2	78	2.6	150	100
		47 185.5 225	38.1 31.2 26		22	Y180L-4	80		150	100
	A	42 172.6 204	33.2 27 22.5		18.5	Y180M-4	79.6		150	100
	B	38 157.5 184	27.9 22.5 18.5		15	YY160L-4	79.3		150	100
	C	37 142.8 165	23.2 18.5 16		11	Y160M-4	79		150	100
100-310		185 368 450	148 123 102	2950	200	Y315L-2	80	11	150	100
	A	140 341.6 410	130 106 89.5		132	Y315M-2	79.6		150	100
	B	100 314.8 370	110 90 77.3		110	Y315S-2	79.3		150	100
	C	119 245.4 325	93.5 74 64		90	Y200M-2	79		150	100
		70 185.5 241.5	63 52 39		45	Y225M-4	73		150	100
100-375	A	65 170.6 213	53 44 34	1480	30	Y200L-4	72	2.5	150	100
		62 158.6 190	46 38 31.2		30	Y200L-4	71		150	100
	C	58 141.6 178	35.5 30.3 22.5		18.5	Y180M-4	69		150	100

XS Type Split Casing Pump

125-230		100 274.6 370	20.2 14.8 9.1	1480	18.5	Y180M-4	85.5	1.8	200	125
	A	92 259.3 332	18.3 13.2 8.3		15	Y160L-4	84.5		200	125
	B	82 232.4 285	15.9 10.6 7.6		15	Y160L-4	82.5		200	125
	C	78 210.5 240	13.2 8.7 6.8		11	Y160M-4	77.5		200	125
		139.5 533.5 715	83.5 60 40	2950	132	Y315M-2	85.5	6.8	200	125
	A	124 496.7 650	73 52 36		110	Y315S-2	84		200	125
	B	119 454.3 550	63.5 43.5 32		75	Y280S-2	82		200	125
	C	103 411.6 460	63 34 30		75	Y280S-2	77		200	125
125-290		100 270 375	32.5 27 21	1480	30	Y200L-4	84	1.9	200	125
	A	80.3 243.7 348	27.5 22 15.5		22	Y180L-4	82		200	125
	B	75 220.5 310	23.5 18 12.5		18.5	Y180M-4	80		200	125
	C	60.5 195.8 270	19 14.2 10.5		15	Y160L-4	78		200	125
		380 535.5 640	120 108 92.6	2950	200	Y315L-2	84	7.6	200	125
	A	285 483.4 630	103.5 88 77.8		160	Y315L-2	82		200	125



XS Type Split Casing Pump

	B	190 437.2 600	92 72 60		132	Y315M-2	80		200	125
	C	90.2 389 500	80 57 43.5		110	Y315S-2	78		200	125
125-365		125 310.5 435	53.1 47 37.5	1480	75	Y280S-4	80	2.1	200	125
		104 282.8 395	45 39 31.8		45	Y225M-4	79		200	125
		93 254.2 350.2	36.9 31.5 25		37	Y225S-4	78		200	125
	C	85.5 221.9 295.2	27.9 24 18.8		30	Y200L-4	76		200	125
		109.2 328.5 380.4	86 76 71		110	Y315S-4	80		200	125
		100 307.3 350.9	74.9 66.5 55		90	Y280M-4	78.5		200	125
		80.4 282 300.4	64.7 56 51.3		75	Y280S-4	77		200	125
125-500		60 250.4 270.4	54.6 44.2 40.8	1480	45	Y225M-4	76	2.3	200	125
	C	160 443.5 609	27.5 21 14.2		37	Y225S-4	7		200	150
		150.5 410.6 550	25 18 12.5		30	Y200L-4	86		200	150
		130 367 480	22.5 15 11.7		22	Y180L-4	84		200	150
		123 338.2 395	17.4 11.5 10		18.5	Y180M-4	77		200	150

XS Type Split Casing Pump

150-360		180 447.5 592	45.8 38 31.2	1480	75	Y280S-4	85	2.5	200	150
	A	175 404.2 580	38.6 31 22.4		55	Y250M-4	83		200	150
	B	162 363 495	33.1 25 18.1		37	Y225S-4	81		200	150
	C	150 324.7 421	27.8 20 14.9		30	Y200L-4	78		200	150
150-450		200 515.5 640	76.1 66 57.1	1480	132	Y315M-4	82	3	200	150
	A	190 468.4 600	64 54.5 45		110	Y315S-4	81		200	150
	B	180 418.5 540	52.3 43.5 35		75	Y280S-4	80		200	150
	C	175 375.4 468	42.1 35 27.8		55	Y250M-4	78.5		200	150
150-605		200 584 730	121 105 92.1	1480	250	Y355M-4	80	3.7	200	150
	A	180 536.2 660	105 88.5 80		200	Y315L-4	79		200	150
	B	169 493.6 620	90.8 75 68		160	Y315L-4	78		200	150
	C	150 450 530	77.2 61.5 55.9		132	Y315M-4	77		200	150
200-320		250 695.5 940	40 30 20.2	1480	75	Y280S-4	87.5	3.3	250	200
	A	240 641.2 845	35 25.5 17.5		75	Y280S-4	86.5		250	200



XS Type Split Casing Pump

	B	230 585 750	30.8 21.3 16		55	Y250M-4	85		250	200
	C	220 530 610	25 17 15.1		37	Y225S-4	79		250	200
200-420		265 710 990	62.8 52 40	1480	132	Y315M-4	86.5	2.4	250	200
	A	249 641.9 895	64 42.5 30.9		110	Y315S-4	84.5		250	200
	B	238 586.6 780	46 35.5 25		90	Y280M-4	83		250	200
	C	220 525.6 660	38.5 28.5 21		75	Y280S-4	81		250	200
200-520		475 818 1080	102 91 77.5	1480	280	Y355-4	83	3.5	250	200
	A	460 750 965	86 76.5 66.2		250	Y355M-4	82		250	200
	B	440 687.9 905	71 62.5 52.1		200	Y315L-4	80		250	200
	C	420 630 795	55 47.5 41.8		132	Y315M-4	78.5		250	200
200-670		280 793 935	167 150 140	1480	450	Y400-4	80	3.1	250	200
	A	270 729.7 900	144 127 115		355	Y400-4	78.5		250	200
	B	260 669.8 864	124 107 93		315	Y400-4	77		250	200
	C	250 637.4 770	10 88 80		250	Y355M-4	76		250	200



XS Type Split Casing Pump

250-400		400 1052 1450	50 39 28	1480	160	Y315L-4	88	2.8	350	250
	A	380 967.7 1310	44.9 33 24		132	Y315M-4	86		350	250
	B	379 915.3 1160	38 27 20.2		110	Y315S-4	83		350	250
	C	350 843.3 990	31.8 20 16.1		75	Y280S-4	77.5		350	250
250-480		420 1175 1608	82.8 66 50	1480	280	Y355-4	87	3.3	350	250
	A	400 1072 1450	69 55 41.6		220	Y355-4	85		350	250
	B	370 975.2 1250	58 45.5 36		200	Y315L-4	83		350	250
	C	330 903.3 1090	49.6 37.5 31.2		160	Y315L1-4	80		350	250
250-600		800 1243 1640	131 116 98	1480	560	Y400-4	84	3.8	350	250
	A	750 1154 1600	115 100 79		450	Y400-4	83.5		350	250
	B	700 1051 1480	95 83 63		315	Y355-4	83		350	250
	C	650 970 1360	78 66 50		250	Y355-4	82.5		350	250
300-300		500 1099 1475	36 24.5 17	1480	110	Y315S-4	86	4.6	350	300
	A	480 1020 1425	31.8 19.8 12.1		90	Y200M-4	84.5		350	300



XS Type Split Casing Pump

	B	460 970 1290	26.5 15.5 9		75	Y280S-4	82		350	300
	C	440 920 1170	22.3 11.5 7.5		45	Y225M-4	80		350	300
300-435		700 1679 2380	67.5 53 37	1480	315	Y355-4	88	5.2	400	300
	A	660 1577 2100	59.2 45 32		280	Y355-4	86.5		400	300
	B	620 1476 1800	50 36.5 27.5		200	Y315L-4	84		400	300
	C	600 1361 1450	41 27.5 24.5		160	Y315L-4	79		400	300
		700 1750 2350	115 94 76		400	300	400		400	300
300-560	A	680 1645 2170	92 76 61.5	1480	1450	Y400-4	85.5	4.2	400	300
	B	650 1573 2130	77.5 62 47		355	Y400-4	85		400	300
	C	620 1516 1980	65 50 37.5		280	Y355-4	83.5		400	300
300-700		900 1836 2100	183 160 150.6	1480	1120	Y500-4	85	3.5	400	300
	A	960 1735 2030	160 136 126		900	Y450-4	84.6		400	300
	B	800 1624 1880	135 112 104		630	Y450-4	84.3		400	300
	C	700 1537 1600	110.5 91 77		560	Y400-4	84		400	300

XS Type Split Casing Pump

350-360		600 1733 2280	45.5 32 20.5	1480	200	Y315L-4	86.5	6.2	400	350
	A	580 1692 2160	40 26.5 17		160	Y315L1-4	85		400	350
	B	560 1642 2080	34 21 12.8		132	Y315M-4	83		400	350
	C	540 1602 1900	27.9 15 9		110	Y315S-4	80.5		400	350
350-430		1000 2745 3500	59 43.5 31	1480	450	Y400-4	87.5	8.5	400	350
	A	950 2635 3450	50.5 35 22		355	Y400-4	85.5		400	350
	B	900 2563 3250	43 27.5 18.5		280	Y355-4	84		400	350
	C	890 2484 3200	36 21.5 13		200	Y315L-4	81		400	350
350-510		1350 2610 3700	94 70 48.3	1480	630	Y450-4	88.5	6.7	400	350
	A	1100 2430 3500	82 60 42		560	Y400-4	87		400	350
	B	750 2232 2850	73 50 37		400	Y400-4	86		400	350
	C	505 2070 2350	61 38 33.2		315	Y355-4	79		400	350
350-630		1470 2160 2800	138.5 126.2 107	1480	1000	Y500-4	85	6.9	400	350
	A	1290 2000 2600	128 116 98.3		900	Y450-4	84		400	350



XS Type Split Casing Pump

	B	1185 1920 2500	117.8 106 88.5		800	Y450-4	82		400	350
	C	1110 1830 2380	107.8 95.6 78		710	Y450-4	80		400	350
	D	1050 1695 2200	93.8 83 68		560	Y400-4	78		400	350
		1535 2635 3420	98 86 70.8		800	Y500-4	85		500	400
		1470 2520 3270	91 79 63.9		710	Y500-4	83		500	400
	A									
400-560	B	1420 2418 3140	82.6 71.8 56.8	1480	630	Y450-4	81	7	500	400
	C	1400 2312 3015	76 64 49		630	Y450-4	79		500	400
	D	1380 2236 2900	69 57.8 43.8		560	Y450-4	77		500	400
		1919 3177 4100	129.7 113 93.6	1480	1250	Y560-4	86	7.5	500	400
	A	1780 3007 3910	119 103.6 83.6		1120	Y560-4	84		500	400
	B	1740 2922 3800	109.2 93 70.8		1000	Y500-4	82		500	400
400-600	C	1600 2732 3550	99.8 83.7 63	1480	900	Y500-4	80	7.5	500	400
	D	1530 2642 3380	90 74 57		800	Y500-4	78		500	400
		1900 3218 3960	33.2 25 17.7		280	Y400-6	87		600	500



XS Type Split Casing Pump

500-520	A	1830 3088 3800	30.5 23 16.3	980	250	Y355-6	86	4.8	600	500
	B	1750 2965 3650	28.6 21 15.3		220	Y355-6	84		600	500
	C	1680 2845 3485	26 18.4 13		200	Y355-6	82		600	500
	D	1600 2732 3180	23.8 16.3 11.75		160	Y315L-6	80		600	500
500-650		1850 3510 4500	52.5 41.5 31	980	500	Y450-6	88.5	5.7	600	500
	A	1800 3353 4230	49.8 38.7 28.5		450	Y450-6	86		600	500
	B	1740 3173 4000	46.4 36 26.5		400	Y400-6	84		600	500
	C	1660 3015 3830	42.2 33.2 25		355	Y400-6	82		600	500
	D	1560 2768 3600	37.6 29.7 21.8		315	Y400-6	80		600	500
500-710		2300 3852 5040	73.1 64.4 54	980	900	Y500-6	88.5	5.8	600	500
	A	2200 3672 4840	67.2 59.2 47.1		800	Y500-6	87		600	500
	B	2100 3470 4320	60.3 53 43		710	Y500-6	85		600	500
	C	2000 3204 3960	56.4 47.7 39		560	Y450-6	83		600	500
	D	1920 3024 3550	50 42 34.2		500	Y450-6	81		600	500



XS Type Split Casing Pump

500-800		2590	88.7	980	1120	Y560-6	89	6.9	600	500
		3996	80.6							
		5190	67.9							
	A	2460	78.4		900	Y500-6	87		600	500
		3600	72.8							
		4680	61.8							
	B	2340	69.8		800	Y500-6	85		600	500
		3204	65.3							
		4100	57							
	C	2200	61		630	Y450-6	83		600	500
		2880	58							
		3600	52							
500-860		2520	124	980	1600	Y630-6	89	6.9	600	500
		4183	111.2							
		5440	96.2							
	A	2380	112.4		1400	Y560-6	87		600	500
		3996	100.7							
		5140	86							
	B	2250	102.4		1250	Y560-6	83		600	500
		3780	90.4							
		4870	77.5							
	C	2115	90.4		1120<TD< TR>					
		3528	80.4							
		4320	70.6							
500-710		2300	73.1	980	900	Y500-6	88.5	5.8	600	500
		3852	64.4							
		5040	54							
	A	2200	67.2		800	Y500-6	87		600	500
		3672	59.2							
		4840	47.1							
	B	2100	60.3		710	Y500-6	85		600	500
		3470	53							
		4320	43							
	C	2000	56.4		560	Y450-6	83		600	500
		3204	47.7							
		3960	39							
D	1920	50	500	Y450-6	81	600	500			
	3024	42								
	3550	34.2								

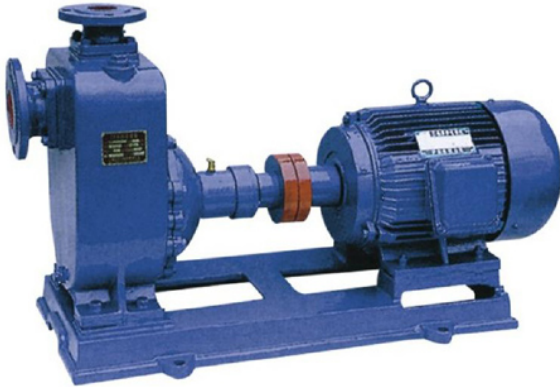


XS Type Split Casing Pump

500-800		2590 3996 5190	88.7 80.6 67.9	980	1120	Y560-6	89	6.9	600	500
	A	2460 3600 4680	78.4 72.8 61.8		900	Y500-6	87		600	500
	B	2340 3204 4100	69.8 65.3 57		800	Y500-6	85		600	500
	C	2200 2880 3600	61 58 52		630	Y450-6	83		600	500
		2520 4183 5440	124 111.2 96.2		1600	Y630-6	89		600	500
	A	2380 3996 5140	112.4 100.7 86		1400	Y560-6	87		600	500
500-860	B	2250 3780 4870	102.4 90.4 77.5	980	1250	Y560-6	83	6.9	600	500
	C	2115 3528 4320	90.4 80.4 70.6		1120	Y560-6	80		600	500



ZX Type Self-priming Pump



Product Overview

ZX series self-priming centrifugal pump is horizontal structure. Compare with other centrifugal pumps, no bottom valve needed at the pipeline, just to ensure the pump filled with priming fluid before working. Thus simplifying the piping system, and also improved working conditions.

Application

1. for urban environmental protection, construction, fire, chemical, pharmaceutical, dyestuff, printing, brewing, electricity, electroplating, paper, petroleum, mining, equipment cooling, tanker unloading.
2. for water, sea water and chemical liquid with acid and alkali, slurry with general paste.
3. fitted with sprinkler, can flush the water into the air and scattered into small drops in the spray, is the good equipment for farms, nurseries, orchards, tea plantations.
4. can be matched with any type of filters, to filter the slurry with a filter press.

ZX Type Self-priming Pump

Model	Capacity		Head (m)	NPSH (m)	Speed (r/min)	Prime Time (min/5m)	Power(Kw)	
	(m ³ /h)	(L/s)					Shaft	Motor
25ZX3.2-20	3.2	0.9	20	6.5	2900	1.9	0.46	1.1
25ZX3.2-32	3.2	0.9	32	6.5	2900	1.8	0.8	1.5
40ZX6.3-20	6.3	1.8	20	6.5	2900	1.9	0.87	1.5
40ZX10-40	10	2.8	40	6.5	2900	1.5	2.7	4
50ZX15-12	15	4.2	12	6.5	2900	2.4	1.1	1.5
50ZX18-20	18	5	20	6.5	2900	1.9	1.8	2.2
50ZX12.5-32	12.5	3.5	32	6.5	2900	1.5	2.1	3
50ZX20-30	20	5.6	30	6.5	2900	1.5	2.6	4
50ZX14-35	14	3.9	35	6.5	2900	1.5	2.7	4
50ZX10-40	10	2.8	40	6.5	2900	1.5	2.7	4
50ZX12.5-50	12.5	3.5	50	6.5	2900	1.4	4.3	5.5
50ZXZX15-60	15	4.2	60	6.5	2900	1.3	6.2	7.5
50ZX20-7.5	20	5.6	7.5	6.5	2900	1.3	9.8	11
65ZX30-15	30	8.3	15	6.5	2900	2	1.9	3
65ZX25-32	25	6.9	32	6	2900	1.5	4.4	5.5
80ZX35-13	35	9.7	13	6	2900	3.4	1.9	3
80ZX43-17	43	12	17	6	2900	1.8	3.1	4
80ZX40-22	40	11.1	22	6	2900	1.9	4.4	5.5
80ZX50-25	50	13.9	25	6	2900	1.5	5.2	7.5
80ZX50-32	50	13.9	32	6	2900	1.5	6.8	7.5
80ZX60-55	60	16.7	55	6	2900	1.5	15	18.5
80ZX60-70	60	16.7	70	6	2900	1.2	20.1	22
100ZX100-20	100	27.8	20	6	2900	1.8	7.8	11
100ZX100-40	100	27.8	40	6	2900	1.8	16.3	22
100ZX100-65	100	27.8	65	6	2900	1.8	27.7	30
100ZX70-75	70	19.4	75	6	2900	1.8	24.3	30
150ZX170-55	170	47.2	55	5	2900	1.8	39.2	45
150ZX170-65	170	47.2	65	5	2900	1.3	46.3	55
150ZX160-80	160	44.4	80	5	2900	1.2	53.6	55
200ZX400-32	400	111.1	32	5	1450	2	52.1	55
200ZX280-63	280	77.8	63	5	1450	1.5	73.9	90
200ZX350-65	350	97.2	65	5	1450	1.5	97.2	110
250ZX550-32	550	152.8	32	5	1450	2	72.3	75
250ZX400-50	400	111.1	50	5	1450	2	80	90
250ZX450-55	450	125	55	5	1450	2	102.1	110
250ZX400-75	400	111.1	75	5	1450	1.5	125.6	132
300ZX600-32	600	166.7	32	5	1450	2	79.2	90
300ZX500-50	500	138.9	50	5	1450	2	104.6	110
300ZX550-55	550	152.8	55	5	1450	2	117.6	132

BOSP Type Sanitary Centrifugal Pump

Product Overview



BOSP type sanitary centrifugal pump is mainly designed for pharmacy, bioengineer and food industries to conduct GMP innovation. The pump is of excellent performance, reasonably structured, small-sized, reliable and suitable for transporting clear liquid free of solid particles, medical products like pure water, beverage and alcohols, etc.

The contact materials of BOSP type pump are entirely manufactured by SS316 or SS304. The mechanical seal adopts wear-resisting, corrosion-resisting hard metal. The seal ring is made of silicon rubber and fluorine rubber. The impeller is semi-open, enclosed and easy to wash and in compliance with relevant regulations in «Good Manufacturing Practice» (namely GMP) and «The Food And Drug Administration (FDA).»

Design and features

Different connections standard: DIN, SMS, JIS, ISO.

Open impeller manufactured with stainless steel investment casting technology.

Sanitary mechanical seal.

Pump certified according to 3A sanitary standards.

Very robust stainless steel cast lantern.

Pump support from AISI 304.



BOSP Type Sanitary Centrifugal Pump

Materials

Parts in contact with pumped media	AISI 316L or 304
Other parts in stainless steel	AISI 304
Gaskets (standard)	EPDM (FDA)
Mechanical seal (standard)	graphite/Sic/EPDM
Inside surface finishing	Ra < 0.4 um.
Outside surface finishing	Mirror polished

Options

Mechanical seals in SiC/C, SiC/SiC or TgC/SiC.

Cooled or double mechanical seal.

Gaskets in FPM, Viton and PTFE.

Connections: Clamp, SMS, RJT, etc.

Motors with additional protection.(movable, Explosion proof).

Trolley and/or Switchboard.

Applications

- * Drugs: transfusion, distilled water, high pure water, containing particles (3-6 mm) of the medicine liquid leachate.
- * Cosmetics: dyes, alcohol, essential oils.
- * Beverages: alcohol, liquor, beer, wort, fermentation broth, juice drinks, beverages with particles.
- * Dairy: whey, cream, milk, sugar
- * Other: Candy industry, baking industry, chemical industry, etc.

D Type Horizontal Multistage Pump

Product Overview



This series of pumps use national energy-saving hydraulic model, developed and updated constantly by our factory, with the advantage of high efficiency, wide range of performance, safety and smooth operation, low noise, easy installation and maintenance, long life, and its technology level is in the domestic leading position, product performance is reliable.

It is used to transport liquids without solid particles. It can also transport hot water, oil products, corrosive or abrasive media and so on by means of changing the pump material and sealing mode and adding a cooling system.

Features

1. The pump is a horizontal, single suction, multi stage centrifugal pump section, the suction is in horizontal direction, and outlet is vertical upward. Water suction, middle, discharge section, bearing housing and pump body are bolted into one strain, and select stages according to the pump head.

2. Rotor includes shaft, impeller, shaft sleeve, balance disk, and other parts. Axis parts are connected through the flat keys and the shaft nuts. The rotor is supported by the rotor bearings or sliding bearings in both ends, the bearing does not bear axial force, axial force is balanced by the balance disc. Bearings lubricated with grease, sliding bearings lubricated with light oil, and oil ring lubrication, and cooled by circulating water.

3. Shaft seal in the form of two kinds, mechanical seals and packing seal. When use packing seal, the packing ring should be placed at the right location, the tightness of packing must be appropriate to the liquid oozing drop by drop. Various sealing elements is in a sealed chamber, the chamber must be filled with some water, as water seal, water cooled or water lubrication. At the seal there is replaceable sleeve, to protect the shaft.

4. The pump is directly driven by motor through the flexible coupling. From the motor direction, the pump is clockwise rotation.



D Type Horizontal Multistage Pump

Model	Capacity Q(m³/h)	Head H(m)	Speed (r/min)	Power(KW)		Eff.(%)	(NPSH)r (m)
				Shaft	Motor		
DG6-25*2	3.75	51	2950	1.54	3	34	2.0
	6.3	50		1.84		46.5	2.0
	7.5	49		2.0		50	2.5
DG6-25*3	3.75	76.5		2.4	5.5	34	2.0
	6.3	75		2.8		46.5	2.0
	7.5	73.5		3.0		50	2.5
DG6-25*4	3.75	102		3.1	7.5	34	2.0
	6.3	100		3.7		46.5	2.0
	7.5	98		4.0		50	2.5
DG6-25*5	3.75	127.5		3.8	7.5	34	2.0
	6.3	125		4.6		46.5	2.0
	7.5	122.5		5.0		50	2.5
DG6-25*6	3.75	153		4.6	11	34	2.0
	6.3	150		5.5		46.5	2.0
	7.5	147		6.0		50	2.5
DG6-25*7	3.75	178.5		5.4	11	34	2.0
	6.3	175		6.5		46.5	2.0
	7.5	171.5		7.0		50	2.5
DG6-25*8	3.75	204		6.1	15	34	2.0
	6.3	200		7.2		46.5	2.0
	7.5	196		8.0		50	2.5
DG6-25*9	3.75	229.5		6.8	15	34	2.0
	6.3	225		8.3		46.5	2.0
	7.5	220.5		9.0		50	2.5
DG6-25*10	3.75	255	7.7	18.5	34	2.0	
	6.3	250	9.2		46.5	2.0	
	7.5	245	10.0		50	2.5	
DG6-25*11	3.75	280.5	8.4	18.5	34	2.0	
	6.3	275	10.2		46.5	2.0	
	7.5	269.5	11.0		50	2.5	
DG6-25*12	3.75	306	9.2	18.5	34	2.0	
	6.3	300	11.1		46.5	2.0	
	7.5	294	12.0		50	2.5	

D Type Horizontal Multistage Pump

DG12-25*2	7.5	56.4	2950	2.62	5.5	44	2.0
	12.5	50		3.15		54	2.0
	15.0	46		3.55		53	2.5
DG12-25*3	7.5	84.6		3.93	7.5	44	2.0
	12.5	75		4.73		54	2.0
	15.0	69		5.32		53	2.5
DG12-25*4	7.5	112.8		5.24	11	44	2.0
	12.5	100		6.3		54	2.0
	15.0	92		7.09		53	2.5
DG12-25*5	7.5	141		6.55	11	44	2.0
	12.5	125		7.88		54	2.0
	15.0	115		8.86		53	2.5
DG12-25*6	7.5	169.2		7.85	15	44	2.0
	12.5	150		9.46		54	2.0
	15.0	138		10.64		53	2.5
DG12-25*7	7.5	197.4		9.16	15	44	2.0
	12.5	175		11.0		54	2.0
	15.0	161		12.41		53	2.5
DG12-25*8	7.5	225.6		10.47	18.5	44	2.0
	12.5	200		12.61		54	2.0
	15.0	184		14.18		53	2.5
DG12-25*9	7.5	253.8		11.78	18.5	44	2.0
	12.5	225		14.18		54	2.0
	15.0	207		15.95		53	2.5
DG12-25*10	7.5	282		13.09	22	44	2.0
	12.5	250		15.76		54	2.0
	15.0	230		17.73		53	2.5
DG12-25*11	7.5	310.2		14.4	22	44	2.0
	12.5	275		17.34		54	2.0
	15.0	263		19.5		53	2.5
DG12-25*12	7.5	338.4		15.7	30	44	2.0
	12.5	300		18.9		54	2.0
	15.0	376		21.3		53	2.5



D Type Horizontal Multistage Pump

DG25-30*2	15	68	2950	5.56	11	50	2.2
	25	60		6.58		62	2.2
	30	55		7.14		63	2.6
DG25-30*3	15	102		8.33	15	50	2.2
	25	90		9.88		62	2.2
	30	82.5		10.7		63	2.6
DG25-30*4	15	136		11.11	18.5	50	2.2
	25	120		13.1		62	2.2
	30	110		14.26		63	2.6
DG25-30*5	15	170		13.89	22	50	2.2
	25	150		16.47		62	2.2
	30	137.5		17.89		63	2.6
DG25-30*6	15	204		16.67	30	50	2.2
	25	180		19.77		62	2.2
	30	165		21.4		63	2.6
DG25-30*7	15	232		19.44	30	50	2.2
	25	210		23.1		62	2.2
	30	192.5		24.96		63	2.6
DG25-30*8	15	272		22.2	37	50	2.2
	25	240		26.4		62	2.2
	30	220		28.53		63	2.6
DG25-30*9	15	306		25.0	37	50	2.2
	25	270		29.65		62	2.2
	30	247.5		32.1		63	2.6
DG25-30*10	15	340		27.8	45	50	2.2
	25	300		32.9		62	2.2
	30	275		35.7		63	2.6
DG25-50*2	15	103	2950	9.55	18.5	44	2.4
	25	100		12.60		54	2.7
	28	96		13.56		54	2.8
DG25-50*3	15	154.5		14.35	22	44	2.4
	25	150		18.92		54	2.7
	28	144		20.35		54	2.8
DG25-50*4	15	206		19.14	30	44	2.4
	25	200		25.23		54	2.7
	28	192		27.13		54	2.8

D Type Horizontal Multistage Pump

DG25-50*5	15	257.5		23.92	37	44	2.4
	25	250		31.54		54	2.7
	28	240		33.91		54	2.8
DG25-50*6	15	309		28.71	45	44	2.4
	25	300		37.85		54	2.7
	28	280		40.69		54	2.8
DG25-50*7	15	360.5		33.49	55	44	2.4
	25	350		44.16		54	2.7
	28	336		44.48		54	2.8
DG25-50*8	15	412		38.27	75	44	2.4
	25	400		50.24		54	2.7
	28	384		54.26		54	2.8
DG25-50*9	15	463.5		43.06	75	44	2.4
	25	450		56.77		54	2.7
	28	432		61.04		54	2.8
DG25-50*10	15	515		47.84	75	44	2.4
	25	500		63.08		54	2.7
	28	480		67.82		54	2.8
DG25-50*11	15	566		52.58	90	44	2.4
	25	550		63.69		54	2.7
	28	528		74.60		54	2.8
DG25-50*12	15	618		57.41	110	44	2.4
	25	600		75.69		54	2.7
	28	576		81.38		54	2.8
DG46-30*2	30	68	2950	8.68	15	64	2.4
	46	60		10.74		70	3.0
	55	54		11.89		68	4.6
DG46-30*3	30	102		13.02	22	64	2.4
	46	90		16.11		70	3.0
	55	81		17.84		68	4.6
DG46-30*4	30	136		17.36	30	64	2.4
	46	120		21.48		70	3.0
	55	108		23.79		68	4.6
DG46-30*5	30	170		21.7	37	64	2.4
	46	150		26.85		70	3.0
	55	135		29.74		68	4.6
DG46-30*6	30	204		26.04	37	64	2.4
	46	180		32.21		70	3.0
	55	162		35.68		68	4.6
DG46-30*7	30	238		30.38	45	64	2.4
	46	210		37.58		70	3.0
	55	189		41.63		68	4.6



D Type Horizontal Multistage Pump

DG46-30*8	30	274		34.72	55	64	2.4
	46	240		42.95		70	3.0
	55	216		47.58		68	4.6
DG46-30*9	30	306		39.06	55	64	2.4
	46	270		48.32		70	3.0
	55	243		53.03		68	4.6
DG46-30*10	30	340		43.04	75	64	2.4
	46	300		53.69		70	3.0
	55	270		59.47		68	4.6
DG46-50*2	30	111	2950	16.79	30	54	2.5
	46	100		19.88		63	2.8
	55	92		21.53		64	3.2
DG46-50*3	30	166.5		25.19	37	54	2.5
	46	150		29.83		63	2.8
	55	138		32.3		64	3.2
DG46-50*4	30	222		33.59	45	54	2.5
	46	200		39.77		63	2.8
	55	184		43.06		64	3.2
DG46-50*5	30	277.5		41.98	55	54	2.5
	46	250		49.77		63	2.8
	55	230		53.83		64	3.2
DG46-50*6	30	330		50.38	75	54	2.5
	46	300		59.65		63	2.8
	55	276		64.59		64	3.2
DG46-50*7	30	388.5		58.78	90	54	2.5
	46	350		69.6		63	2.8
	55	322		75.36		64	3.2
DG46-50*8	30	440		67.18	90	54	2.5
	46	400		79.54		63	2.8
	55	368		86.12		64	3.2
DG46-50*9	30	499		75.57	110	54	2.5
	46	450		89.48		63	2.8
	55	414		96.89		64	3.2
DG46-50*10	30	555		83.97	132	54	2.5
	46	500		94.42		63	2.8
	55	460		107.66		64	3.2
DG46-50*11	30	610.5		92.37	132	54	2.5
	46	550		109.36		63	2.8
	55	506		118.42		64	3.2

D Type Horizontal Multistage Pump

DG46-50*12	30 46 55	666 600 552		100.8 119.3 129.2	132	54 63 64	2.5 2.8 3.2
DG85-67*2	55 85 100	148 134 122	2950	41.05 47.72 51.11	75	54 65 65	3.3 4.0 4.4
DG85-67*3	55 85 100	222 201 183		61.62 71.63 76.72	90	54 65 65	3.3 4.0 4.4
DG85-67*4	55 85 100	296 268 244		82.15 95.50 102.29	110	54 65 65	3.3 4.0 4.4
DG85-67*5	55 85 100	370 335 305		102.69 119.38 127.87	160	54 65 65	3.3 4.0 4.4
DG85-67*6	55 85 100	444 402 365		123.23 143.25 153.02	160	54 65 65	3.3 4.0 4.4
DG85-67*7	55 85 100	518 469 467		143.76 167.13 179.01	185	54 65 65	3.3 4.0 4.4
DG85-67*8	55 85 100	592 536 488		164.31 191.0 204.58	220	54 65 65	3.3 4.0 4.4
DG85-67*9	55 85 100	666 603 549		184.85 214.88 230.16	250	54 65 65	3.3 4.0 4.4
DG155-67*2	100 155 185	152 134 118	2950	64.7 76.5 82.6	90	64 74 72	3.2 5.0 6.6
DG155-67*3	100 155 185	228 201 277		97.0 114.7 123.9	132	64 74 72	3.2 5.0 6.6
DG155-67*4	100 155 185	304 268 236		129.4 152.9 165.1	185	64 74 72	3.2 5.0 6.6
DG155-67*5	100 155 185	380 335 295		161.7 191.1 206.4	220	64 74 72	3.2 5.0 6.6



D Type Horizontal Multistage Pump

DG155-67*6	100	456		194	280	64	3.2
	155	402		229.3		74	5.0
	185	354		247.7		72	6.6
DG155-67*7	100	532		226.4	315	64	3.2
	155	469		267.5		74	5.0
	185	413		289		72	6.6
DG155-67*8	100	608		258.7	355	64	3.2
	155	536		305.7		74	5.0
	185	472		330.3		72	6.6
DG155-67*9	100	684		291.1	440	64	3.2
	155	603		344		74	5.0
	185	531		371.6		72	6.6

CDL Type Vertical Multistage Pump



Product Overview

Non self-priming type vertical multistage centrifugal pump, the motor is directly connected with the pump through shaft couplings, impeller guide vane is made of stamping stainless steel plate or precision casting stainless steel, smooth surface, hydraulic flow loss is small, and easily for cleaning, is very favorable for conveying pure medium. Pump inlet and outlet in a straight line (can be equipped with IEC or NEMA motor).

Operating Conditions

Thin, clean, non-inflammable and explosive liquid, not containing solids or fiber.

The liquid temperature: normal temperature type
- 15 °C to 70 °C hot water type to + 120 °C

Environmental temperature: highest + 40 °C

Height: highest 1000m

Motor

Motor is fully enclosed, air-cooled type 2 pole standard motors.

Protection grade: IP55

Insulation grade: F

Standard voltage: 1Ph 220-230/240V

3Ph 200-220/346-380V

3Ph 220-240/380-415V

3Ph 380-415V

Typical Application

Water supply: water filtration and conveying, waterworks water supply, pipe pressurization, high-rise building pressurization.

Industrial pressurization: process water system, cleaning system, high pressure flushing system, fire control system.

Industrial liquid transportation: cooling and air conditioning system, the boiler feed water and condensation system, machine tool accessory, acid and alkali.

Water treatment: ultrafiltration system, reverse osmosis system, distillation system, separator.

Irrigation: farm irrigation, sprinkler, drip.



QJ Type Deep Well Pump

Product Overview

QJ series submersible deep-well pump is new type high grade product developed and produced based on the American, Italy advanced electric pumping technology. Main parts adopt stainless steel, copper alloy, make the pump high efficiency, energy-saving, wear resistance, rust and pollution resistance, good appearance, convenient installation. Especially suitable for factories, colleges, industrial and civil, irrigation and extraction of groundwater.



Product Range

1. 4" Submersible pump, The impellers and the diffusers are in plastic material(noryl),whereas the bearings are in ceramic/rubber lubricated by the water circulation.Check valve is incorporated in the delivery body with threaded outlet.The coupling Pump-motor is according to NEMA regulations.

2. 6"、8" Submersible pump, The impellers and the diffusers are in grey cast iron, (on request, the impellers can be supplied in bronze), whereas the bearings are in ceramic/rubber lubricated by the water circulation. Check valve is incorporated in the delivery body with threaded outlet (on request , it can be supplied flanged). The coupling Pump-motor is according to NEMA regulations.

3. 4"、6" Stainless steel submersible pump, the pump caising/impeller is made of stainless steel 304, 316.



QJ Type Deep Well Pump

Asia Type	Motor		1Ph	3Ph	Capacity			Outlet	Well diameter
	HP	KW	A	A	m³/h			mm	mm
100QJ1.2-59/8	0.5	0.37	3.6	1.8	0.6m³/67m	1.2m³/59m	1.8m³/46m	30mm 1”1/4G	100
100QJ1.2-86/12	0.75	0.55	4.8	2	0.6m³/98m	1.2m³/86m	1.8m³/68m		
100QJ1.2-101/14	1	0.75	6.3	2.5	0.6m³/114m	1.2m³/101m	1.8m³/80m		
100QJ1.2-115/16	1.5	1.1	8.6	3.4	0.6m³/131m	1.2m³/115m	1.8m³/90m		
100QJ1.2-158/22	2	1.5	10	4.4	0.6m³/180m	1.2m³/158m	1.8m³/124m		
100QJ1.2-203/28	3	2.2	14	6.2	0.6m³/229m	1.2m³/203m	1.8m³/158m		
100QJ2-40/6	0.5	0.37	3.6	1.8	1.5m³/43m	2m³/40m	3m³/30m	30mm 1”1/4G	100
100QJ2-56/8	0.75	0.55	4.8	2	1.5m³/60m	2m³/56m	3m³/42m		
100QJ2-83/12	1	0.75	6.3	2.5	1.5m³/89m	2m³/83m	3m³/62m		
100QJ2-109/16	1.5	1.1	8.6	3.4	1.5m³/116m	2m³/109m	3m³/81m		
100QJ2-137/20	2	1.5	10	4.4	1.5m³/146m	2m³/137m	3m³/102m		
100QJ2-200/30	3	2.2	14	6.2	1.5m³/214m	2m³/200m	3m³/142m		
100QJ2-254/40	4	3	-	8.3	1.5m³/281m	2m³/254m	3m³/180m		
100QJ2-310/50	5.5	4	-	10.3	1.5m³/330m	2m³/310m	3m³/235m		
100QJ4-30/6	0.75	0.55	4.8	2	3m³/35m	4m³/30m	5m³/22m	40mm 1”1/2G	
100QJ4-39/9	1	0.75	6.3	2.5	3m³/46m	4m³/39m	5m³/27m		
100QJ4-60/12	1.5	1.1	8.6	3.4	3m³/69m	4m³/60m	5m³/43m		
100QJ4-80/16	2	1.5	10	4.4	3m³/90m	4m³/80m	5m³/58m		
100QJ4-100/20	3	2.2	14	6.2	3m³/115m	4m³/100m	5m³/70m		
100QJ4-120/24	4	3	-	8.3	3m³/138m	4m³/120m	5m³/86m		
100QJ4-140/30	4	3	-	8.3	3m³/165m	4m³/140m	5m³/102m		
100QJ4-180/40	5.5	4	-	10.3	3m³/210m	4m³/180m	5m³/129m		
100QJ4-255/55	7.5	5.5	-	14	3m³/287m	4m³/255m	5m³/180m		
100QJ4-340/75	10	7.5	-	18.5	3m³/375m	4m³/340m	5m³/245m		
100QJ6-28/6	1	0.75	4.8	2.5	4m³/36m	6m³/28m	7m³/20m		
100QJ6-40/9	1.5	1.1	8.6	3.4	4m³/53m	6m³/40m	7m³/30m		
100QJ6-47/11	2	1.5	10	4.4	4m³/65m	6m³/47m	7m³/33m		
100QJ6-59/13	2	1.5	10	4.4	4m³/78m	6m³/59m	7m³/40m		
100QJ6-83/18	3	2.2	14	6.2	4m³/108m	6m³/83m	7m³/57m		
100QJ6-110/23	4	3	-	8.3	4m³/152m	6m³/110m	7m³/85m		
100QJ6-144/32	5.5	4	-	10.3	4m³/190m	6m³/144m	7m³/103m		
100QJ6-176/40	7.5	5.5	-	13.7	4m³/235m	6m³/176m	7m³/127m		
100QJ6-213/56	10	7.5	-	18.5	4m³/309m	6m³/213m	7m³/148m		
100QJ8-35/8	2	1.5	10	4.4	6m³/44m	8m³/35m	10m³/24m		
100QJ8-61/13	3	2.2	14	6.2	6m³/75m	8m³/61m	10m³/43m		



QJ Type Deep Well Pump

100QJ8-84/17	4	3	-	8.3	6m ³ /100m	8m ³ /84m	10m ³ /59m	50mm 2 "G	
100QJ8-96/20	4	3	-	8.6	6m ³ /118m	8m ³ /96m	10m ³ /68m		
100QJ8-118/24	5.5	4	-	10.3	6m ³ /141m	8m ³ /118m	10m ³ /86m		
100QJ8-143/30	7.5	5.5	-	13.7	6m ³ /169m	8m ³ /143m	10m ³ /98m		
100QJ8-171/35	10	7.5	-	18.5	6m ³ /205m	8m ³ /171m	10m ³ /118m		
100QJ10-26/7	2	1.5	10	4.4	8m ³ /29m	10m ³ /26m	14m ³ /20m		
100QJ10-39/10	3	2.2	14	6.2	8m ³ /44m	10m ³ /39m	14m ³ /29m		
100QJ10-56/13	4	3	-	8.3	8m ³ /61m	10m ³ /56m	14m ³ /43m		
100QJ10-75/17	5.5	4	-	10.3	8m ³ /82m	10m ³ /75m	14m ³ /59m		
100QJ10-100/22	7.5	5.5	-	13.7	8m ³ /109m	10m ³ /100m	14m ³ /79m		
100QJ10-130/28	10	7.5	-	18.5	8m ³ /142m	10m ³ /130m	14m ³ /102m		
100QJ16-25/7	3	2.2	14	6.2	12m ³ /31m	16m ³ /25m	20m ³ /19m		
100QJ16-36/10	4	3	-	8.3	12m ³ /44m	16m ³ /36m	20m ³ /28m		
100QJ16-50/14	5.5	4	-	10.3	12m ³ /62m	16m ³ /50m	20m ³ /36m		
100QJ16-63/18	7.5	5.5	-	13.7	12m ³ /79m	16m ³ /63m	20m ³ /59m		
100QJ16-75/21	10	7.5	-	18.5	12m ³ /93m	16m ³ /75m	20m ³ /68m		
100QJ16-94/25	10	7.5	-	18.5	12m ³ /114m	16m ³ /94m	20m ³ /83m		

Asia Type	Asia Type		3Ph	Capacity/Head	Flanged Outlet	Well diameter
	HP	KW	A	m ³ /h	mm	mm
150-QJ10-78/11	5.5	4	10	10m ³ /78m	100mm 4 "G	200
150-QJ10-100/14	7.5	5.5	12.3	10m ³ /100m		
150-QJ10-128/18	10	7.5	17	10m ³ /128m		
150-QJ10-150/21	12.5	9.2	20.2	10m ³ /150m		
150-QJ10-178/25	15	11	24	10m ³ /178m		
150-QJ10-200/28	18	13	28	10m ³ /200m		
150-QJ10-250/35	20	15	32	10m ³ /250m		
150-QJ10-300/42	20	15	32	10m ³ /300m		
150-QJ20-46/7	7.5	5.5	12.3	20m ³ /46m		
150-QJ20-52/8	7.5	5.5	12.3	20m ³ /52m		
150-QJ20-59/9	7.5	5.5	12.3	20m ³ /59m		
150-QJ20-65/10	10	7.5	17	20m ³ /65m		
150-QJ20-72/11	10	7.5	17	20m ³ /72m		
150-QJ20-78/12	10	7.5	17	20m ³ /78m		
150-QJ20-85/13	12.5	9.2	20.2	20m ³ /85m		
150-QJ20-91/14	12.5	9.2	20.2	20m ³ /91m		



QJ Type Deep Well Pump

150-QJ20-98/15	12.5	9.2	20.2	20m ³ /98m		
150-QJ20-104/16	15	11	24	20m ³ /104m		
150-QJ20-111/17	15	11	24	20m ³ /111m		
150-QJ20-117/18	18	13	28	20m ³ /117m		
150-QJ20-124/19	18	13	28	20m ³ /124m		
150-QJ20-130/20	18	13	28	20m ³ /130m		
150-QJ20-137/21	20	15	32	20m ³ /137m		
150-QJ20-143/22	20	15	32	20m ³ /143m		
150-QJ20-150/23	20	15	32	20m ³ /150m		
150-QJ20-156/24	20	15	32	20m ³ /156m		
150-QJ20-163/25	20	15	32	20m ³ /163m		
150-QJ20-182/28	25	18.5	38.2	20m ³ /182m		
150-QJ25-40/5	7.5	5.5	12.3	25m ³ /40m	100mm 4"G	
150-QJ25-48/6	7.5	5.5	12.3	25m ³ /48m		
150-QJ25-56/7	10	7.5	17	25m ³ /56m		
150-QJ25-64/8	10	7.5	17	25m ³ /64m		
150-QJ25-72/9	12.5	9.2	20.2	25m ³ /72m		
150-QJ25-80/10	12.5	9.2	20.2	25m ³ /80m		
150-QJ25-88/11	15	11	24	25m ³ /88m		
150-QJ25-96/12	15	11	24	25m ³ /96m		
150-QJ25-104/13	18	13	28	25m ³ /104m		
150-QJ25-112/14	18	13	28	25m ³ /112m		
150-QJ25-120/15	20	15	32	25m ³ /120m		
150-QJ25-128/16	20	15	32	25m ³ /128m		
150-QJ25-136/17	25	18.5	38.2	25m ³ /136m		
150-QJ25-144/18	25	18.5	38.2	25m ³ /144m		
150-QJ25-152/19	25	18.5	38.2	25m ³ /152m		
150-QJ32-30/5	7.5	5.5	12.3	32m ³ /30m	100mm 4"G	
150-QJ32-36/6	7.5	5.5	12.3	32m ³ /36m		
150-QJ32-42/7	10	7.5	17	32m ³ /42m		
150-QJ30-54/9	12.5	9.2	20.2	32m ³ /54m		

QJ Type Deep Well Pump

150-QJ32-66/11	15	11	24	32m³/66m			
150-QJ32-72/12	18	13	28	32m³/72m			
150-QJ32-84/14	18	13	28	32m³/84m			
150-QJ32-90/15	20	15	32	32m³/90m			
150-QJ32-96/16	20	15	32	32m³/96m			
150-QJ32-108/18	25	18.5	38.2	32m³/108m			
150-QJ40-24/3	7.5	5.5	12.3	40m³/24m	100mm 4"G		
150-QJ40-32/4	10	7.5	17	40m³/32m			
150-QJ40-40/5	12.5	9.2	20.2	40m³/40m			
150-QJ40-48/6	12.5	9.2	20.2	40m³/48m			
150-QJ40-56/7	15	11	24	40m³/56m			
150-QJ40-64/8	18	13	28	40m³/64m			
150-QJ40-72/9	20	15	32	40m³/72m			
150-QJ40-80/10	25	18.5	38.2	40m³/80m			
150-QJ40-88/11	25	18.5	38.2	40m³/88m			
150-QJ40-96/12	25	18.5	38.2	40m³/96m			
150-QJ50-6/1	4	3	7.3	50m³/6m	100mm 4"G		
150-QJ50-12/2	5.5	4	10	50m³/12m			
150-QJ50-18/3	7.5	5.5	12.3	50m³/18m			
150-QJ50-24/4	10	7.5	17	50m³/24m			
150-QJ50-30/5	10	7.5	17	50m³/30m			
150-QJ50-36/6	12.5	9.2	20.2	50m³/36m			
150-QJ50-42/7	15	11	24	50m³/42m			
150-QJ50-48/8	15	11	24	50m³/48m			
150-QJ50-54/9	18	13	28	50m³/54m			
150-QJ50-60/10	20	15	32	50m³/60m			
150-QJ50-66/11	25	18.5	38.2	50m³/66m			
150-QJ50-72/12	25	18.5	38.2	50m³/72m			
150-QJ63-12/2	5.5	4	10	63m³/12m	100mm 4"G		
150-QJ63-18/3	10	7.5	17	63m³/18m			
150-QJ63-30/5	12.5	9.2	20.2	63m³/30m			

QJ Type Deep Well Pump

150-QJ63-36/6	15	11	24	63m³/36m				
150-QJ63-42/7	18	13	28	63m³/42m				
150-QJ63-48/8	20	15	32	63m³/48m				
150-QJ63-54/9	25	18.5	38.2	63m3/54m				
200-QJ32-26/2	5.5	4	10	32m3/26m	125mm 5”G	250		
200-QJ32-39/3	7.5	5.5	12.3	32m³/39m				
200-QJ32-52/4	10	7.5	17	32m³/52m				
200-QJ32-78/6	15	11	24	32m³/78m				
200-QJ32-91/7	18	13	28	32m³/91m				
200-QJ32-104/8	20	15	32	32m³/104m				
200-QJ32-130/10	25	18.5	38.2	32m³/130m				
200-QJ32-143/11	30	22	48.2	32m³/143m				
200-QJ32-169/13	35	26	54.5	32m³/169m				
200-QJ32-195/15	40	30	64.6	32m³/195m				
200-QJ32-247/19	50	37	79.7	32m³/247m				
200-QJ32-299/23	60	45	94.6	32m³/299m				
200-QJ40-26/2	7.5	5.5	12.3	40m³/26m	125mm 5”G		250	
200-QJ40-39/3	10	7.5	17	40m³/39m				
200-QJ40-52/4	12.5	9.2	20.2	40m³/52m				
200-QJ40-65/5	15	11	24	40m³/65m				
200-QJ40-78/6	20	15	32	40m³/78m				
200-QJ40-104/8	25	18.5	38.2	40m³/104m				
200-QJ40-117/9	30	22	48.2	40m³/117m				
200-QJ40-143/11	35	26	54.5	40m³/143m				
200-QJ40-169/13	40	30	64.6	40m³/169m				
200-QJ40-208/16	50	37	79.7	40m³/208m				
200-QJ40-247/19	60	45	94.6	40m³/247m				
200-QJ50-26/2	7.5	5.5	12.3	50m³/26m				125mm 5”G
200-QJ50-39/3	12.5	9.2	20.2	50m³/39m				
200-QJ50-52/4	15	11	24	50m³/52m				
200-QJ50-65/5	20	15	32	50m³/65m				

QJ Type Deep Well Pump

200-QJ50-78/6	25	18.5	38.2	50m³/78m		
200-QJ50-91/7	30	22	48.2	50m³/91m		
200-QJ50-104/8	35	26	54.5	50m³/104m		
200-QJ50-130/10	40	30	64.6	50m³/130m		
200-QJ50-156/12	50	37	79.7	50m³/156m		
200-QJ50-208/16	60	45	94.6	50m³/208m		
200-QJ63-24/2	10	7.5	17	63m³/24m	125mm 5”G	
200-QJ63-36/3	15	11	24	63m³/36m		
200-QJ63-60/5	25	18.5	38.2	63m³/60m		
200-QJ63-72/6	30	22	48.2	63m³/72m		
200-QJ63-84/7	35	26	54.5	63m³/84m		
200-QJ63-96/8	40	30	64.6	63m³/96m		
200-QJ63-120/10	50	37	79.7	63m³/120m		
200-QJ63-144/12	60	45	94.6	63m³/144m		
200-QJ80-22/2	10	7.5	17	80m³/22m	125mm 5”G	
200-QJ80-33/3	15	11	24	80m³/33m		
200-QJ80-44/4	20	15	32	80m³/44m		
200-QJ80-55/5	25	18.5	38.2	80m³/55m		
200-QJ80-66/6	30	22	48.2	80m³/66m		
200-QJ80-88/8	40	30	64.6	80m³/88m		
200-QJ80-99/9	50	37	79.7	80m³/99m		
200-QJ80-121/11	60	45	94.6	80m³/121m		
200-QJ100-18/2	12.5	9.2	20.2	100m³/18m	125mm 5”G	
200-QJ100-27/3	20	15	32	100m³/27m		
200-QJ100-36/4	25	18.5	38.2	100m³/36m		
200-QJ100-45/5	30	22	48.2	100m³/45m		
200-QJ100-54/6	35	26	54.5	100m³/54m		
200-QJ100-63/7	40	30	64.6	100m³/63m		
200-QJ100-72/8	50	37	79.7	100m³/72m		
200-QJ100-90/10	60	45	94.6	100m³/90m		



QBY Type Diaphragm Pump

Product Overview



Pneumatic diaphragm pump is a new type of conveyor machinery, adopts compressed air as power source, suitable for various corrosive liquid, with particles liquid, high viscosity and volatile, inflammable, poisonous liquid. The main characteristic of this pump is no priming water needed. High suction head, adjustable delivery head, fire and explosion proof.

Working Principle

In the two symmetrical pump chamber equipped with a diaphragm, which is connected by a center coupler stem. Compressed air comes in from pump inlet valve, and enter into one cavity, push the diaphragm movement, and gases emitted from another cavity. Once to the destination, gas distribution components will automatically compressed air into another chamber, push the diaphragm to the opposite direction, thus make two diaphragm continuous synchronization to reciprocating movement.

Compressed air goes into the valve, make the diaphragm to the right movement, and chamber suction make medium enter into, push the ball into the room, ball valve shuts down due to inhalation, Mediums discharged by extrusion, and opened the ball valve and at the same time close the ball valve, prevent back flow, thus to make medium ceaseless from the entrance inhaled, exit eduction.

QBY Type Diaphragm Pump

Main Advantages

- 1, Due to the use of air power, the flow automatically changed according to export resistance, which is suitable for high viscosity fluid.
- 2, In inflammable and explosive environment, the pump is reliable and low cost, won't produce spark and not overheat,
- 3, The pump volume is small, easy to move, no foundation needed, convenient installation and economy.
- 4, Where there are dangers, corrosive materials processing, diaphragm pump can be separated completely with outside.
- 5, The pump shearing force is low, physical effect to medium is small, can be used for conveying unstable chemistry fluid.

Model	Diameter (mm)	Flow (m ³ /h)	Head (m)	NPSH (m)	Solids allowed φ(mm)	Air pressure (kg/cm ²)	Casing material				Diaphragm
							CI	AL	SS	PP	
QBY-10	10	0.8	0~50	5	1	2-7	★	★	★	★	NBR Neoprene Viton PTFE
QBY-15	15	1	0~50	5	1	2-7	★	★	★	★	
QBY-25	25	2.4	0~50	7	2.5	2-7	★	★	★	★	
QBY-40	40	8	0~50	7	4.5	2-7	★	★	★	★	
QBY-50	50	12	0~50	7	8	2-7	★	★	★		
QBY-65	65	16	0~50	7	8	2-7	★	★	★		
QBY-80	80	24	0~50	7	10	2-7	★	★	★		
QBY-100	100	30	0~50	7	10	2-7	★	★	★		

CQ Type Magnetic Pump

Product Overview



In petroleum, chemical, pharmaceutical, electronic, and many other fields, require no leakage of the transmission medium in process, urgently need to choose the ideal pump type. Our CQ series magnetic pump successfully solved the current domestic magnetic pump impeller isolation cover, impeller that easily damaged technical problems, make its function more perfect.

Product Features

CQ stainless steel magnetic pump is a new type of pump that uses magnetic couplings working principle to transmit non-contact torque. The motor drives outside rotor, through magnetic, drives inside rotor, while the rotor is connected with the impeller, thus achieved non-contact to rotate impeller purposes. Since liquids was closed in the stationary isolation chamber, magnetic pump is a fully enclosed, leak-off pump type, so as to completely eliminate the inevitably drop, leak problems of the mechanical seal type centrifugal pump.





CQ Type Magnetic Pump

Product Overview

Pump flow components adopt stainless steel (plastic is available for small models) material, it is widely used in petroleum, chemical, pharmaceutical, electroplating, environmental protection, water treatment, national defense, and other departments to transport inflammable, explosive, toxic and precious liquids, is the best choice for non-leakage, no pollution working environment.

Model	Dia.(mm)		Capacity	Head	Power	Speed	Material
	Suc	Dis	(m ³ /h)	(m)	(KW)	(r/min)	
16CQ-8	16	12	1.5	8	0.18	2900	Plastic, SS
20CQ-12	20	12	3	12	0.37	2900	Plastic, SS
25CQ-15	25	20	5.4	15	1.1	2900	Plastic, SS
32CQ-15	32	25	6.5	15	1.1	2900	Plastic, SS
32CQ-25	32	25	4.8	25	1.5	2900	Plastic, SS
40CQ-20	40	32	10	20	2.2	2900	Plastic, SS
40CQ-32	40	32	11.5	32	4	2900	Plastic, SS
50CQ-25	50	40	14.4	25	4	2900	Plastic, SS
50CQ-32	50	40	13.2	32	4	2900	Plastic, SS
50CQ-50	50	32	7.8	50	5.5	2900	SS
65CQ-25	65	50	16.8	25	5.5	2900	Plastic, SS
65CQ-32	65	50	27	32	7.5	2900	Plastic, SS
80CQ-32	80	65	50	32	11	2900	SS
80CQ-50	80	65	50	50	15	2900	SS
100CQ-32	100	80	60	32	15	2900	SS
100CQ-50	100	80	60	50	18.5	2900	SS

FSB Series Fluoroplastic Chemical Pump

Product Overview



Our FSB type fluoroplastic alloy chemical pump, can be used to convey any concentration of all sorts of acid, alkali, salt, strong oxidizer etc. and its body and flow-passing parts are made of F46 fluorine alloy, it combines the advantage of many fluorine plastic, with particularly strong corrosion resistance, and with high mechanical strength, not aging, no toxin decomposition. This product is with reasonable design, compact structure, reliable performance, convenient operation and maintenance, high efficiency, and energy conservation.

Pump Shaft Seal

FSB type fluoroplastic alloy centrifugal pump adopts the advanced outside-fitted bellows mechanical seal, with multilayer protection and prolong the service life. For conveying with impurities particle medium, can use waterless cooling single seal face (carborundum material) mechanical seal, so medium solid content should be considered when selection.



FSB Series Fluoroplastic Chemical Pump

Pump Shaft Seal

FSB type fluoroplastic alloy centrifugal pump flow components adopt fluoroplastic alloy material, compact structure, simple operation, low price. The pump body, impeller, pump cover, mechanical seal parts can changed with FSB (D) type direct coupled fluorine alloy centrifugal pump, it is widely accepted by our customers.

Model	Capacity (m ³ /h)	Head (m)	Diameter(mm)		Power(kw)		Speed (r/min)	NPSH (m)	Eff. (%)
			Suc.	Dis.	Shaft	Motor			
25FSB-10	1.5	10	25	20	0.9	1.5	2900	3	25
25FSB-18	3.6	18	25	20	1.1	2.2	2900	3	27
40FSB-15	5	15	40	32	1.1	3	2900	3	40
40FSB-30	10	30	40	32	1.2	3	2900	3	42
50FSB-25	12.5	25	50	32	1.9	3	2900	3.5	43
50FSB-30	12.5	30	50	32	1.9	3	2900	3.5	42
65FSB-32	25	32	65	50	4.8	5.5	2900	3.5	45
80FSB-20	50	20	80	65	4.7	5.5	2900	3.5	45
80FSB-25	42	25	80	65	5.7	7.5	2900	3.5	50
80FSB-30	50	30	80	65	6.9	7.5	2900	4	59
80FSB-40	45	40	80	50	10.2	11	2900	4	48
80FSB-50	50	50	80	50	11.9	15	2900	4	57
80FSB-55	50	55	80	50	13.5	18.5	2900	4	50
100FSB-23	100	32	100	80	11.9	15	2900	3.5	68

IHF Type Fluoroplastic Lined Pump

Product Overview



IHF fluorine plastic centrifugal pump is made according to the international standards and combining nonmetal pump design process. Pump body adopt metal casing lining FEP (F46), pump cover, impeller and bushings use metal embedded parts coating fluorine plastic sintering, shaft seals use out-fitted type advanced bellows mechanical seal, static ring choose 99.9% alumina ceramics (or Si_3N_4), rotating ring adopt F4 filled material, its anti-corrosion and wear-resisting ability is extremely good.

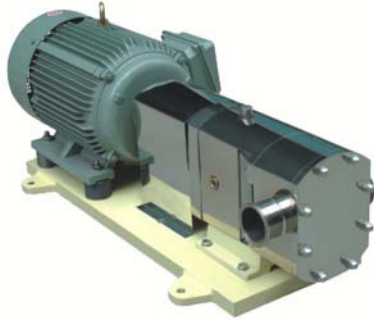
Actual use showed that the pump has the advantages of anti-corrosion and wear-resisting, high temperature resistant, not aging, high mechanical strength, stable operation, advanced structure, reliable sealed performance, simple disassemble and maintenance, long service life etc.

Application

IHF fluorine plastic centrifugal pump is widely accepted by its anti-corrosion and wear-resistance advantages, is widely used in chemical, making acid, alkali manufacturing, smelting, pesticide, dye, medicine, papermaking, electroplating, electrolysis, pickling, scientific research institutions, national defense industry and other industries conveying arbitrary concentration of acid, alkali, oil, the rare and precious liquids, toxic liquid, volatile chemical medium. It is currently one of the most popular pumps.

IHF Type Fluoroplastic Lined Pump

Model	n=2900r/min					n=1450r/min				
	Q (m ³ /h)	H (m)	Power (kw)	NPSH (m)	Eff. (%)	Q (m ³ /h)	H (m)	Power (kw)	NPSH (m)	Eff. (%)
IHF40-25-125	6.3	20	1.5	3	41		5	0.55	3	35
IHF40-25-160	6.3	32	2.2	3	36	3.2	8	0.55	3	30
IHF40-25-200	6.3	50	4	3	30	3.2	12.5	0.75	3	25
IHF50-32-125	12.5	20	2.2	3	51	6.3	5	0.55	3	45
IHF50-32-160	12.5	32	4	3	46	6.3	8	0.55	3	40
IHF50-32-200	12.5	50	7.5	3	39	6.3	12.5	1.1	3	33
IHF65-50-125	25	20	3	3.5	62	12.5	5	0.55	3.5	55
IHF65-50-160	25	32	5.5	3.5	57	12.5	8	1.1	3.5	51
IHF65-40-200	25	50	11	3.5	52	12.5	12.5	1.5	3.5	46
IHF80-65-125	50	20	5.5	4	69	25	5	1.1	4	64
IHF80-65-160	50	32	11	4	67	25	8	1.5	4	62
IHF80-50-200	50	50	15	4	63	25	12.5	2.2	4	57
IHF100-80-125	100	20	11	4.5	77	50	5	1.5	4.5	74
IHF100-80-160	100	32	15	4.5	73	50	8	2.2	4.5	69
IHF100-65-200	100	50	30	4.5	73	50	12.5	5.5	4.5	68
IHF125-80-160	160	32	30	5	70	80	8	5.5	5	74
IHF125-100-200	200	50	55	5	65	100	12.5	11	5	71
IHF125-100-250						100	20	7.5	5	67
IHF125-100-315						100	32	15	5	68
IHF150-125-250						200	20	18.5	5.5	69
IHF150-125-315						200	32	30	5.5	71
IHF200-150-315						400	32	75	7.5	63



Product Overview

Lobe pump, rotor pump (rotary lobe pump), also known as colloidal pump, clover pump, is suitable for soft transporting of medium with particles or high viscosity materials, which is widely used for health and sterile applications, like food, beverage, chemical, pharmaceutical and other industries.

Features

- a) Lobe pump is a positive displacement pump, transmission flow can be more accurate controlled, and have strong self-priming capacity.
- b) The speed is low, generally between 200rpm to 600rpm, the material is transferred stably and its composition will not be destroyed, so it is especially suitable for handling mixtures or medium containing solid particles.
- c) Lobe pump can be used for high viscosity mediums, so also called gel pump.
- d) The output pressure can be high, such as 1.5MPa, which is suitable for long distance or high-resistance quantitative transportation.

Application

1. Food and beverage categories: dairy products, latex, chocolate, syrup, cheese, malt juice, beer, soft drinks
2. Fruit concentrates: pudding, jam, jelly, tomato sauce
3. Paste products: fats and oils, etc.
4. Cosmetics: creams, detergents, hair gel, perfume oils, etc.
5. Drug categories: extract, cream, paste and so on pills
6. Chemical industry: dyes, fats, solvents, resins and polymers

TR Type Lobe Pump

Selection Instructions

- * Operating temperature: -20 - 150 °C (maximum sterilization temperature of 180 °C)
- * Working environment and the media: to determine whether proof.
- * Working conditions: lobe pump is self-priming type, speed control can be mechanical control or frequency control options.
- * Pump Material: 316L and 304 according to requirements of selected medium.
- * Sealing materials: standard rubber ring is silicone rubber. According to media select Viton, EPDM, PTFE, NBR. Standard mechanical seal is silicon carbide - hard alloy, according to media select graphite - silicon carbide, graphite - ceramics, etc.
- * Suction connection: standard quick clamps, upon request, select the pipe thread, flange, DIN standard, welding and so on.

Model	Capacity (L/r)	Speed Range (rpm)	Capacity (L/h)	Power (Kw)	Diameter (mm)
TRA-I-05	0.028	200-500	330-840	0.55	25
TRA-I-1	0.04	200-500	480-1200	0.55	25
TRA-I-2	0.075	200-400	900-1800	0.75	25
TRA-I-3	0.095	200-400	1140-2280	1.1	32
TRA-I-4	0.118	200-400	1400-2800	1.5	38
TRA-I-5	0.18	200-400	2000-4000	2.2	38
TRA-I-6	0.28	200-400	3000-6000	3	50
TRA-I-7	0.34	200-400	3600-7200	4	50
TRA-I-8	0.424	200-400	4500-9000	5.5	50
TRA-I-9	0.53	200-400	5700-11000	7.5	63.5(50)
TRA-I-10	0.7	200-400	7000-14000	7.5	63.5(50)
TRA-I-11	1.0	200-400	12000-24000	11	89
TRA-I-12	1.6	200-400	19000-38000	11	89
TRA-I-13	2.0	200-400	24000-48000	15	108



G Type Single Screw Pump



Product Overview

Single screw pump is volumetric working principle type pump, main working parts are eccentric screw (rotor) and fixed bushings (stator). Because of the special geometric shapes, the two parts form respectively separate sealed chamber, medium uniform flow by axial, internal flow is slow, volume remains the same, the pressure is stable, and will not produce vortices and agitation.

Because the stator adopts various elastic materials, this kind of pump has general pumps not competent properties to convey high viscosity fluid containing rigid suspended particles or fiber. Its flow and speed become direct ratio.

Features

- ◆ Wide application; convey both fluid and non-fluid
- ◆ Constant fluid conveying process, with little pulsating flow
- ◆ No stirring of medium in the pump, no extrusion or cutting
- ◆ Capacity is directly proportional to the speed; variable conveying; used as metering feeding
- ◆ Adopt elastic stator, with certain abrasion resistance



G Type Single Screw Pump

Conveying Medium

- ◆ Medium of various viscosities (viscosity is up to 106 mm²/s)
- ◆ Fluid of various concentrations and dry material through separation dehydration
- ◆ Various solid particles, fibers and suspended matters

Product Series

- ◆ XG Standard Series Applied to various structure forms
- ◆ XL Long-lead Series Applied to low-pressure large-flow
- ◆ XP Special for concrete spraying before coal water slurry boiler

Several Configurations

- ◆ Material: Components and parts can be made of different metals and rubber materials
- ◆ Drive Types: motor reducer drive, variable speed motor drive, mechanical variable speed drive, etc.

EJ Type Self-priming Sewage Pump

Design & Material

• Bare Shaft • Direct Coupled with Electric Motor or Engine	
Design	Performance and Dimensions referring to the European standard
Structure	Semi-open impeller, Horizontal, Single-Stage, Single-Suction, Self-priming
DN	40 – 200mm
Flange	All EJ pumps are casted with flange
Casing	Cast Iron standard, Ductile Iron & Bronze optional
Impeller	Ductile Iron standard, Bronze, ASTM304, ASTM316 optional
Shaft	ASTM1045 standard, ASTM304, ASTM316, ASTM420 optional
Shaft Seal	Mechanical Seal (Sic-Sic/Viton)

Operating Data

Flow Rate(Q)	2-160 l/s
Head(H)	4-60m
Speed	1450~2900 rpm(50HZ), 1750~3500 rpm(60HZ)
Temperature	≤105℃
Working Pressure	0.6 MPa
Max Solids	76 mm

Application

- Waste Water Treatment Plant
- Portable Emergency Fire Fighting
- Marine – Ballasting & Bilge
- Transfer of liquid containing sand, particle and solid in suspension



T&U Type Self-priming Trash pump



Product Overview

The self-priming non-clog centrifugal trash pump is our latest generation product base on US technology and craftwork. It is designed for economical & trouble-free operation in handling solid-laden liquids and slurries.

Main character

1. beautiful shape and fine structure, reliable performance;
2. with strong capacity of self-priming, no need to equip with flap valve;
3. non-clog, and with powerful capacity of passing big solid;
4. The unique lubrication oil mechanical seal cavity makes the performance more reliable.
5. The hole can make sure that stronger sewage can be cleaned quickly when pump is jammed.
6. Special check valve structure can make the pump start quickly next time.
7. When operated, the pump can self-priming with gas and liquid at the same time.
8. Low rotary speed, reliable operation, long useful life, easily maintenance.
9. Advanced pressure protector make pump operate safety.
10. Very competitive price, high quality, small MOQ, fast delivery, OEM required, exporting plywood case.

Features: Solids Handling Impeller, Exclusive Abrasion-Resistant Seal, Removable Cover Plate with Easy-Grip Handle, Replaceable Wear plate, Removable Rotating Assembly.



T&U Type Self-priming Trash pump

Application

1. Municipal Project, Sewage Project, Instruction Project;
2. Transportation of the sewage of uptown;
3. Sewage transportation in Hospital, hotel, slaughter house, fish breeding;
4. Classification of municipal sewage treatment factory and concentrate treatment systems engineering;
5. Transportation of the factory and contaminated water;
6. Sewage and deposit of water purifying system;
7. Industrial sewage of light industry, paper mill, textile, food processing plant, chemical industry, electric utility, deep mines, etc.;
8. Wine and sugar industry;

Operation condition

1. The temperature of medium no more than 80°C, the density of medium is 1.0~1.3*10³Kg/m³, PH is within 5~9.
2. Max diameter of solid should be less than 76.2mm.
3. Max suction lifts no more than 3 inches or 7m.
4. Volume ratio of solids in the medium ≤2%.
5. Max. working pressure and suction head please refer to performance curve and table.

T&U Type Self-priming Trash pump

Inlet/Outlet	2"(50mm), 3"(80mm), 4"(100mm), 6"(150mm), 8"(200mm), 10"(250mm), 12"(300mm)	
Impeller Diameter	158.74mm-457.2mm	
Rotary Speed	550RPM-2150 RPM	
Flow Rates	8m ³ /h-1275m ³ /h	20GPM-5500GPM
Head	6m-63m	
Horsepower	1HP-125HP	
N.W	92KG-998KG	
G.W	114KG-1066KG	
Solid Passing	20.63mm-76.2mm	
Material	cast iron, ductile iron, stainless steel, CD4MCU, aluminum, bronze	
Diesel Driving	Water cooled or air cooled	
Method of Connection	Self-priming pumps are available as basic units or may be flex-coupled, V-belt driven or engine mounted.	
Drive Variation	Cummins, Deutz, Ricardo, Perkins or Chinese Diesel, Electric Motor	
Skid Mounted on Trailer	2 wheels or 4 wheels Trailer	
Package	Exporting plywood case	

ZW Type Self-priming Sewage Pump

Product Overview

ZW series self-priming sewage pumps have the advantage of self-priming and non-clogging, can be installed without bottom valve, and can pump dirty water with large particles, dirt, fibers, abandoned mine sediment impurities, and other works of sewage treatment and waste material, completely reducing labor intensity, and can make mobile type, easy installation, minimal maintenance, stable performance.



Structure Description

1. ZW series self-priming non-clogging sewage pump, is mainly composed of pump body, impeller, back cover, mechanical seal, bearing, inlet valve, water valves, suction and discharge pipes, etc.

2. In the pump body has a reservoir chamber, which is connected with the top back-flow hole and bottom circulation hole and pump working chamber, interlinked to form the axial pump back outer recirculation system. When pump stops working, the pump cavity has a certain volume of the liquid reservoir. When the pump starts, under the action of the impeller, the air is rounded up with the liquid through the gas-liquid separator, and the liquid back into the working chamber, while the gas is discharged from the pump, so as to form a certain vacuum in the pump chamber, to achieve self-absorption effect.

Applications

ZW type self-priming non-clogging sewage pump can be widely used in municipal sewage works, farm, light industry, paper making, textile, food, chemical, electrical and other industries, which is the best trash pump for pumping fiber, pulp and other chemical media mixed with suspension.



ZW Type Self-priming Sewage Pump

Model	Diameter (mm)	Capacity (m ³ /h)	Head (m)	Power (kw)	Speed (r/min)	NPSH (m)
25ZW8-15	25	8	15	1.5	2900	5
32ZW10-20	32	10	20	2.2	2900	5
32ZW20-12	32	20	12	2.2	2900	5
32ZW9-30	32	9	30	3	2900	5
40ZW20-12	40	20	12	2.2	2900	5
40ZW10-20	40	10	20	2.2	2900	5
40ZW15-30	40	15	30	3	2900	5
50ZW10-20	50	10	20	2.2	2900	5
50ZW20-12	50	20	12	2.2	2900	5
50ZW15-30	50	15	30	3	2900	5
65ZW20-14	65	20	14	2.2	2900	4
65ZW15-30	65	15	30	3	2900	4
65ZW30-18	65	30	18	4	1450	4
65ZW20-30	65	20	30	5.5	2900	4.5
65ZW40-25	65	40	25	7.5	1450	4.5
65ZW25-40	65	25	40	7.5	2900	5
65ZW30-50	65	30	50	11	2900	5
80ZW40-16	80	40	16	4	1450	4
80ZW40-25	80	40	25	7.5	2900	5
80ZW40-50	80	40	50	18.5	2900	5
80ZW65-250	80	65	25	7.5	1450	5
80ZW80-35	80	80	35	15	2900	5
80ZW80-35	80	80	35	15	1450	5
80ZW50-60	80	50	60	22	2900	5
100ZW100-15	100	100	15	7.5	1450	4.5
100ZW80-20	100	80	20	7.5	1450	4.5
100ZW100-20	100	100	20	11	1450	4.5
100ZW100-30	100	100	30	22	2900	4.5
100ZW100-30	100	100	30	22	1450	4.5
100ZW80-60	100	80	60	37	2900	5
100ZW80-80	100	80	80	45	2900	5
125ZW120-20	125	120	20	15	1450	5
125ZW180-14	125	180	14	15	1450	5
150ZW180-14	150	180	14	15	1450	5
150ZW180-20	150	180	20	22	1450	5
150ZW180-30	150	180	30	37	1450	5
200ZW280-14	200	280	14	22	1450	4.5
200ZW300-18	200	300	18	37	1450	4.5
250ZW280-28	200	280	28	55	1450	5
250ZW420-20	250	420	20	55	1450	4.5

WQ Type Submersible Sewage Pump

Product Overview

WQ type non-clog submersible sewage pump is made up of motor and pump, which are separated through oil isolation room and mechanical seal, it is short in length that motor and pump share the same axle (rotor), the structure is compact.



Structure Features

1. Signal line: for motor power above 11kw, we suggest pump equipped with control box, which would protect the pump fully from leakage, phase reversal, short circuit, overheated, overload, etc..
2. Motor stator: its insulation is B grade or F grade.
3. Water leakage probe. This component is installed in the oil room, if the mechanical seal was damaged, and water enters into the oil room, it will send out the signal to the control system so as to stop the pump.
4. Mechanical seal: Adopting in-series seal, the material is the wear-resisting carbonization tungsten, featuring being reliable, wear-resisting, longer life, etc.
5. Impeller: have better handling capacity, can reduce the trouble of jamming and twisting of big fiber rubbish, etc.
6. Pump body: harmonize with impeller, ensure the pump has high efficiency.
7. Seal rings: Installed at the mouth place of pump body, can change the sealed ring after long time operating, so as to ensure the pump runs with the best efficiency.

Advantages

1. Adopt big flow non-clog design, improving the ability to pass dirty things greatly.
2. The design is rational, with high efficiency, and the energy-saving is remarkable.
3. Adopts in series mechanical seal, the material is the wear-resisting carbonization tungsten, featuring being durable, wear-resisting, long service life.
4. The structure of the pump is compact, small, may move conveniently, installation is simple and



WQ Type Submersible Sewage Pump

convenient, it is submerged into the water, no need to build the pump house, reduce construction cost greatly.

5. There is probe in the oil room of the pump, if the pump side mechanical seal is damaged and water enter into the oil room, it would give off signals so as to protect the pump.

6. Can be equipped with control box according to the needs of user, it will protect the pump from electric leakage, water leakage, overload and overheated, etc. guarantee the pump operates reliably and safely.

7. The automatic coupling installation system of one pair of guides, it is convenient for the installation and maintenance of the pump, no need to enter into the sewage hole.

8. The float switch, according to the necessary water level changing. Control the start and stop of the pump automatically, no people needed to guard it.

9. According to use situation, the motor can adopt water jacket circulation cooling system type, which can guarantee the safe operation of the pump under the dry state.

10. Installation can be fixed automatic coupling installation or non-fixed portable installation, which can satisfy different occasions.

9. According to use situation, the motor can adopt water jacket circulation cooling system type, which can guarantee the safe operation of the pump under the dry state.

10. Installation can be fixed automatic coupling installation or non-fixed portable installation, which can satisfy different occasions.

Working Conditions

1. Temperature Of medium not exceeding 60°C , gravity 1.0~1.3kg/dm³, and PH value between 5~9.

2. For pump without internal gravity flow circulation cooling system, its motor above liquid surface by less than 1/3.

3. Generally, pumps shall be working within the range of head to protect the motor from overloading. To work at the full head. please specify when placing an order for our convenience in manufacturing.

4. The current of motor during the process of operation shall not exceed the rated value.

Applications

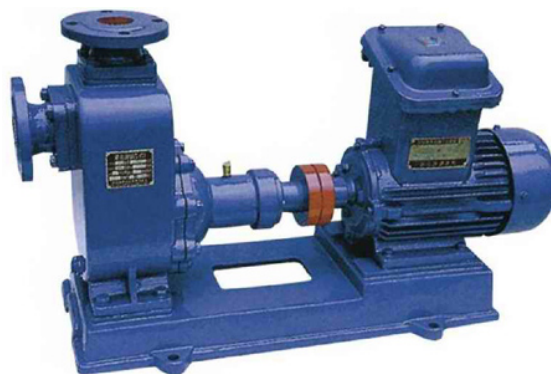
This series of pumps are mainly used in municipal engineering, buildings, industrial sewage discharge, sewage treatment in environmental protection, factories and mines to deliver sewage, wastewater and rainwater etc, containing solid substances and long fiber.

Stainless steel type may also be used to deliver corrosive medium.

CYZ-A Type Self-priming Oil Pump

Product Overview

The CYZ Self-priming centrifugal oil pump is the new pump developed based on international technical information. The pump has the ability of simple structure, easy operation, smooth running, easy maintenance, high efficiency, long life, strong ability of self-absorption. No bottom valve needed to install in the pipeline, just to ensure that pump body filled with priming oil before work. It is suitable for the oil tanker or water transportation on the ship, it can also be used as stripping pumps.



Applications

CYZ Self-priming centrifugal pump is suitable for the oil industry, land-based oil depots, tanker as bilge pumps, fire pumps and ballast pumps and cooling water circulation pumps, to transport gasoline, respectively, , kerosene, diesel, jet fuel and other petroleum products and water, sea water, medium temperature -20°C -80°C . If using corrosion-resistant mechanical seals and stainless steel material, can also be used in chemical, pharmaceutical, brewing, electroplating, printing and dyeing, paper making, power and mining industry, etc.



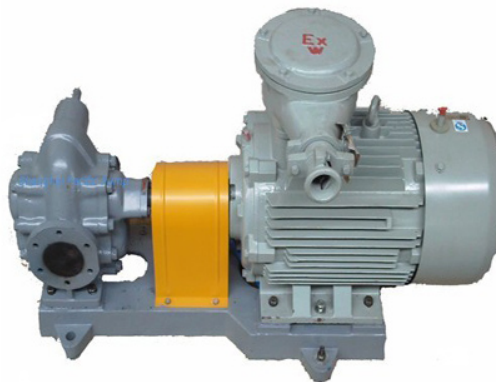
CYZ-A Type Self-priming Oil Pump

Model	Diameter (mm)	Capacity (m ³ /h)	Head (m)	Power (kw)	Speed (r/min)	NPSH (m)
25CYZ-A-20	1.1	2900	25	3.2	20	6
25CYZ-A-20	1.5	2900	25	3.2	32	6
32CYZ-A-20	3	2900	32	3.2	50	6
40CYZ-A-20	1.5	2900	40	6.3	20	5
40CYZ-A-32	2.2	2900	40	6.3	32	5
40CYZ-A-40	4	2900	40	10	40	5
40CYZ-A-50	4	2900	40	6.3	50	5
50CYZ-A-12	1.5	2900	50	12.5	12	5
50CYZ-A-20	2.2	2900	50	15	20	5
50CYZ-A-30	3	2900	50	12.5	30	5
50CYZ-A-35	4	2900	50	12.5	35	5
50CYZ-A-40	4	2900	50	10	40	5
50CYZ-A-50	5.5	2900	50	12.5	50	5
50CYZ-A-60	7.5	2900	50	12.5	60	5
50CYZ-A-75	11	2900	50	15	75	5
65CYZ-A-15	3	2900	65	30	15	4
65CYZ-A-32	5.5	2900	65	25	32	5
65CYZ-A-50	7.5	2900	65	25	50	5
65CYZ-A-70	15	2900	65	25	70	5
80CYZ-A-13	3	2900	80	35	13	3.5
80CYZ-A-17	4	2900	80	43	17	3.5
80CYZ-A-22	5.5	2900	80	40	22	3.5
80CYZ-A-25	7.5	2900	80	50	25	4
80CYZ-A-32	7.5	2900	80	50	32	4
80CYZ-A-40	11	2900	80	50	40	4
80CYZ-A-55	18.5	2900	80	60	55	4.5
80CYZ-A-70	22	2900	80	60	70	4.5
100CYZ-A-20	7.5	2900	100	80	20	3.5
100CYZ-A-25	11	2900	100	100	25	4.5
100CYZ-A-32	15	2900	100	100	32	4.5
100CYZ-A-40	18.5	2900	100	100	40	4.5
100CYZ-A-50	22	2900	100	100	50	4.5
100CYZ-A-65	30	2900	100	100	65	4.5
100CYZ-A-75	30	2900	100	100	75	4.5
150CYZ-A-20	18.5	1450	150	180	20	4.5
150CYZ-A-30	30	1450	150	170	30	4.5
150CYZ-A-45	37	2900	150	160	45	4.5
150CYZ-A-55	45	2900	150	160	80	4.5
150CYZ-A-65	55	2900	150	170	65	4.5
150CYZ-A-80	55	2900	150	160	80	4.5
200CYZ-A-32	90	1450	200	400	32	4.5
250CYZ-A-50	90	1450	250	400	50	4.5
300CYZ-A-50	110	1450	300	500	50	4.5

KCB Type Gear Oil Pump

Product Overview

KCB series gear pump is applicable to transport lubricating oil or other liquids properties similar to lubricants that not containing solid particles and fiber, noncorrosive, no more than 80 °C, viscosity $5 \times 10^{-6} \sim 1.5 \times 10^{-3} \text{ m}^2 / \text{s}$ (5-1500cSt).



Structure Characteristics

This series gear pump is composed of gear, shaft, pump body, relief valve, shaft seal. Gear is heat treated and has high strength and rigidity, together with the shaft installed in the replaceable sleeves. Pump parts are entirely lubricated by output medium.

Pump inside has reasonable back oil slot, make the gear work under minimum torque force, bearing load small, pump with high efficiency.

Pump has relief valve as overloading protective, the total reflux pressure of safety valve is 1.5 times the pump discharge pressure, also can be adjusted according to the actual need. But note that this relief valve cannot be used as pressure reducing valve for a long time, when needed can be separately installed in piping.

Looking from the shaft overhanging end, the pump rotates clockwise.

KCB Type Gear Oil Pump

Applications

In oil system used for transportation, pressure boosting;

In the fuel oil system used for conveying, pressurization, jet fuel pump,

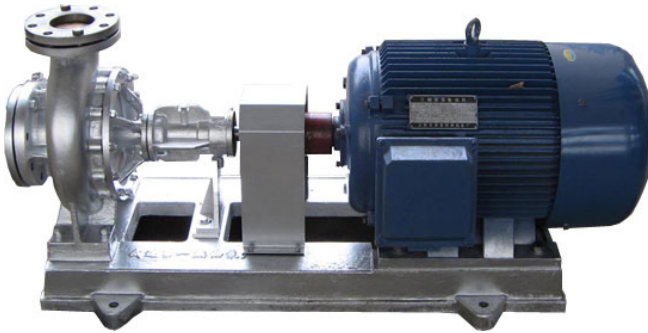
In hydraulic transmission systems used for providing hydraulic power,

In all industrial areas, it can be used as lubrication oil pump.

Type	Flow (m ³ /h)	Pressure (Mpa)	NPSHr (Mpa)	Caliber (mm)	Power (kw)
KCB18.3	1.1	1.45	0.05	3/4"	1.5-4P
KCB33.3	2	1.45	0.05	3/4"	2.2-4P
KCB55	3.3	0.33	0.07	1"	1.5-4P
KCB83.3	5	0.33	0.05	1.5"	2.2-4P
KCB135	8	0.33	0.05	1.5"	2.2-6P
KCB200	12	0.33	0.05	2"	4-4P
KCB300	18	0.36	0.05	3"	5.5-6P
KCB483.3	29	0.36	0.06	3"	7.5-4P
KCB633	38	0.28	0.06	4"	11-6P
KCB960	60	0.28	0.07	4"	18.5-4P
KCB1200	72	0.6	0.07	6"	37-8P
KCB1600	95	0.6	0.07	6"	45-6P
KCB1800	112	0.6	0.07	8"	55-8P
KCB2500	150	0.6	0.07	8"	75-6P
KCB2850	170	0.6	0.08	10"	90-8P
KCB3800	230	0.6	0.08	10"	110-6P
KCB4100	245	0.6	0.08	10"	132-8P
KCB5400	325	0.6	0.08	10"	160-6P
KCB5600	330	0.6	0.08	14"	160-8P
KCB7000	420	0.6	0.08	14"	185-6P
KCB7600	460	0.6	0.08	14"	200-8P
KCB9600	570	0.6	0.08	14"	250-6P

LQRY Type Hot Oil Pump

Products overview



Thermal oil pump adopts the self-heat-radiating structure, change the traditional water cooling structure, make it more simple, small volume, economy operation cost, good performance, reliable operation, it is the second generation product based on our country digesting and absorbing foreign technology.

Structure Characteristics

1. Basic structure is single stage single suction cantilever feet support, pump suction is axial inhaled, discharge center vertical, and installed in a same base with motor.
2. Pump supported by double ball bearing, front end lubricated by lubricating oil, back end lubricated by grease, a guide tubing in the middle, to observe the conditions of sealing at any time and recovery of heat conduction oil.
3. Hot oil pump shaft seal:
 - (1) with the combination of packing seal and mechanical seal, packing seal use high temperature resistant packing, has the good thermal adaptability, while mechanical seal adopts high mechanical strength and wear resistance, good hard alloy material, which guarantees the sealing performance under high temperature conditions.
 - (2) adopts PTFE as lip shape seal, make the sealing performance much better, seal reliability of 25 times than rubber seal, and with very strong corrosion-resist ability.

Model Meaning

For example: LQRY 65-50-170

LQRY - hot oil pump

65 - pump suction diameter mm

50 - pump discharge diameter mm

170 - pump impeller nominal diameter mm



LQRY Type Hot Oil Pump

Model	Capacity (m ³ /h)	Head (m)	Speed (r/min)	Power (KW)		Eff. (%)	NPSH (m)
				Shaft	Motor		
26-20-100	4.5	15	2825	0.45	0.75	40	0.8
50-32-150	8	22	2840	1.0	1.5	42	1.6
50-32-160	10	25	2840	1.5	2.2	42	1.8
50-50-150	24	18	2890	3.1	4	46	1.8
50-50-170	12.5	32	2890	3.2	4	45	2.5
65-40-160	12.5	25	2880	2.5	3	45	2.2
65-50-150	50	16	2900	4.2	5.5	52	2.8
65-50-180	32	32	2900	4.5	5.5	52	2.7
65-50-170	40	25	2900	4.5	5.5	52	2.7
65-40-190	18	40	2890	4.5	5.5	52	2.8
65-40-200	25	50	2900	6.7	7.5	63	3.1
80-50-180	40	40	2900	6.7	7.5	63	3.1
80-50-170	60	20	2900	6.7	7.5	63	3.1
100-65-190	60	38	2930	9.2	11	68	3.9
100-65-200	80	40	2930	12.5	15	70	3.5
100-65-210	90	45	2930	15.7	18.5	70	3.6
100-65-220	58	50	2930	12.5	15	68	3.5
100-65-230	58	60	2930	15.5	18.5	62	3.5
100-65-230	100	55	2940	19.5	22	70	3.6
100-65-240	100	70	2950	25.5	30	69.8	4.1
100-65-257	100	80	2950	32.5	37	67	3.6
125-100-190	155	30	2940	20	22	72	3.6
125-100-220	160	45	2950	25.5	37	75.2	3.6
125-80-250	160	60	2970	35.5	45	74.2	5
125-100-245	300	55	2970	61	75	74	7.5
125-100-250	200	60	2970	42.8	55	76.4	6
125-100-260	300	70	2970	75.3	90	78.2	8
125-100-265	200	80	2970	59	75	74	6
125-100-257	260	70	2970	64.3	75	77.1	6.8
125-100-270	300	70	2970	75.3	90	78.2	8
125-100-280	260	85	2970	75	90	76	6.8
150-125-250	350	60	2970	75.2	90	76	8.6
150-125-240	400	50	2970	72	90	76	9.8
150-125-270	340	76	2970	89.5	110	78.6	8.5
150-125-250	400	60	2970	88	110	74	9.8
150-125-280	400	78	2970	106	132	80.6	9.8
150-125-280	370	85	2970	106	132	80	9.7

2BV Type Liquid Ring Vacuum Pump

Products overview

2BV series water ring vacuum pump is suitable for pump air with water vapor, inspiratory pressure can reach 33mbar absolute pressure (97% vacuum degree). When the pump works under the inspiratory pressure is close to limit vacuum (work fluid saturation vapor pressure) for long time, should connecting cavitation protecting tube, to protect the pump. When work as the compressor, the greatest pressure is up to 0.26 Mpa (absolute pressure). As a new generation energy-saving products, with its excellent performance and numerous advantages, 2BV series water ring vacuum pumps will be fully replace SK, 2SK series water ring vacuum pumps and W, WY, WL series reciprocating pump.



Main Features

1. Direct coupling design, save space, easy to install and convenient maintenance.
2. All equipped with cavitation protection tube, if works under limit work pressure, open cavitation protection tube (or with separator connection) can maximum guarantee inspiratory effect under the condition of cavitation, and protect the pump.
3. 2BV series can be equipped with stainless steel impeller, high strength and durability, and improves the corrosion resistance of the pump.
4. Unique flexible air outlet design, won't produce over compression, ensure its performance efficiency is the best.

2BV Type Liquid Ring Vacuum Pump

5. All adopt Y2 series motor, IP54、IP55 protection (ordinary, IP44), insulation class F (ordinary is class B insulation).

6. The flexible seal can be completely PTFE, which can greatly extend pump service life under harsh conditions.

Model	Max. Capacity (m ³ /h)	Limit Pre. mbar(Mpa)	Power (kW)	Speed (Rpm)	Water Flow (L/min)	dB(A)	W (kg)
2BV2 060	27	33mbar (-0.098MPa)	0.81	2840	2	62	31
2BV2 061	52		1.45	2840	2	65	35
2BV2 070	80		2.35	2860	2.5	66	56
2BV2 071	110		3.85	2880	4.2	72	65
2BV5 110	165		4	1440	6.7	63	103
2BV5 111	230		5.5	1440	8.3	68	117
2BV5 121	280		7.5	1440	10	69	149
2BV5 131	400		11	1460	15	73	205
2BV5 161	500		15	970	20	74	331

2BE Type Liquid Ring Vacuum Pump

Products overview

2BEA series water ring vacuum pump is a kind of high-efficiency and energy-saving product developed on the basis of years of production experience and scientific research, combined with international advanced technology, typically used for pumping gas without solid particles, insoluble in water, and non-corrosive, so as to form a vacuum in a sealed container. By changing the materials, it can be used for pumping corrosive gases or corrosive liquids. It is widely used in papermaking, chemical, petrochemical, light industry, pharmaceuticals, food, coal, mineral processing, and other industries.



Features

1. Use imported bearings to ensure accurate location and stable operation of the impeller.
2. Impeller material use cast iron or welded steel, and fully guarantees the impeller stability in a variety of adverse conditions, and greatly increased the pump life.
3. Pump body uses steel, increase the service life of vacuum pump.
4. As the most easily damaged parts, the shaft sleeve uses high-chromium stainless steel, life expectancy has increased by 5 times.
5. Pulley (belt drive) is standard high-precision, reliable operation and long service life and convenient disassemble.
6. Coupling (direct transmission) uses standard high-strength flexible coupling, flexible component uses polyurethane material, which is stable and reliable operation, long service life.
7. Unique top-mounted gas-water separator to save space and reduce the noise.
8. All casting uses resin sand casting, which is good surface quality, pump cooling well.
9. Mechanical seal (optional) is imported, fully guaranteed no leakage in the long-running process.
10. Casing inner wall is similar to the type of oval, ensure the best exhaust results.

2BE Type Liquid Ring Vacuum Pump

Type	Speed r/min	Shaft kW	Motor kW	Motor type	Limited vacuum mbar	capacity		Weight kg
						m ³ /h	m ³ /min	
2BE1 151-0	1450(D)	10.8	15	Y160L-4	33mbar (-0.098MPa)	405	6.8	469
	1100(V)	7.2	11	Y160M-4		300	5.0	428
	1300(V)	9.2	11	Y160M-4		360	6.0	444
	1625(V)	13.2	15	Y160L-4		445	7.4	469
	1750(V)	14.8	18.5	Y180M-4		470	7.8	503
2BE1 152-0	1450(D)	12.5	15	Y160L-4	33mbar (-0.098MPa)	465	7.8	481
	1100(V)	8.3	11	Y160M-4		340	5.7	437
	1300(V)	10.5	15	Y160L-4		415	6.9	481
	1625(V)	15.0	18.5	Y180M-4		510	8.5	515
	1750(V)	17.2	22	Y180L-4		535	8.9	533
2BE1 153-0	1450(D)	16.3	18.5	Y180M-4	33mbar (-0.098MPa)	600	10.0	533
	1100(V)	10.6	15	Y160L-4		445	7.4	480
	1300(V)	13.6	18.5	Y180M-4		540	9.0	533
	1625(V)	19.6	22	Y180L-4		660	11.0	551
	1750(V)	22.3	30	Y200L-4		700	11.7	601
2BE1 202-0	970(D)	17	22	Y200L2-6	33mbar (-0.098MPa)	760	12.7	875
	790(V)	14	18.5	Y180M-4		590	9.8	850
	880(V)	16	18.5	Y180M-4		670	11.2	850
	1100(V)	22	30	Y200L-4		850	14.2	940
	1170(V)	25	30	Y200L-4		890	14.8	945
	1300(V)	30	37	Y225S-4		950	15.8	995
2BE1 203-0	970(D)	27	37	Y250M-6	33mbar (-0.098MPa)	1120	18.7	1065
	790(V)	20	30	Y200L-4		880	14.7	995
	880(V)	23	30	Y200L-4		1000	16.7	995
	1100(V)	33	45	Y225M-4		1270	21.2	1080
	1170(V)	37	45	Y225M-4		1320	22.0	1085
	1300(V)	45	55	Y250M-4		1400	23.3	1170
2BE1 252-0	740(D)	38	45	Y280M-8	33mbar (-0.098MPa)	1700	28.3	1693
	558(V)	26	30	Y200L-4		1200	20.0	1460
	660(V)	31.8	37	Y225S-4		1500	25.0	1515
	832(V)	49	55	Y250M-4		1850	30.8	1645
	885(V)	54	75	Y280S-4		2000	33.3	1805
	938(V)	60	75	Y280S-4		2100	35.0	1805

2BE Type Liquid Ring Vacuum Pump

2BE1 253-0	740(D)	54	75	Y315M-8	33mbar (-0.098MPa)	2450	40.8	2215
	560(V)	37	45	Y225M-4		1750	29.2	1695
	660(V)	45	55	Y250M-4		2140	35.7	1785
	740(V)	54	75	Y280S-4		2450	40.8	1945
	792(V)	60	75	Y280S-4		2560	42.7	1945
	833(V)	68	90	Y280M-4		2700	45.0	2055
	885(V)	77	90	Y280M-4		2870	47.8	2060
	938(V)	86	110	Y315S-4		3020	50.3	2295
2BE1 303-0	740(D)	98	110	Y315L2-8	33mbar (-0.098MPa)	4000	66.7	3200
	590(D)	65	75	Y315L2-10		3200	53.3	3200
	466(V)	48	55	Y250M-4		2500	41.7	2645
	521(V)	54	75	Y280S-4		2800	46.7	2805
	583(V)	64	75	Y280S-4		3100	51.7	2810
	657(V)	78	90	Y280M-4		3580	59.7	2925
	743(V)	99	132	Y315M-4		4000	66.7	3290
2BE1 305-1 2BE1 306-1	740(D)	102	132	Y355M1-8	160mbar (-0.085MPa)	4650	77.5	3800
	590(D)	70	90	Y355M1-10		3750	62.5	3800
	490(V)	55	75	Y280S-4		3150	52.5	2950
	521(V)	59	75	Y280S-4		3320	55.3	3000
	583(V)	68	90	Y280M-4		3700	61.2	3100
	657(V)	84	110	Y315S-4		4130	68.8	3300
	743(V)	103	132	Y315M-4		4650	77.5	3450
2BE1 353-0	590(D)	121	160	Y355L2-10	33mbar (-0.098MPa)	5300	88.3	4750
	390(V)	65	75	Y280S-4		3580	59.7	3560
	415(V)	70	90	Y280M-4		3700	61.7	3665
	464(V)	81	110	Y315S-4		4100	68.3	3905
	520(V)	97	132	Y315M-4		4620	77.0	4040
	585(V)	121	160	Y315L1-4		5200	86.7	4100
	620(V)	133	160	Y315L1-4		5500	91.7	4100
	660(V)	152	185	Y315L2-4		5850	97.5	4240
2BE1 355-1 2BE1 356-1	590(D)	130	160	Y355L2-10	160mbar (-0.085MPa)	6200	103.3	5000
	390(V)	75	90	Y280M-4		4180	69.7	3920
	435(V)	86	110	Y315S-4		4600	76.7	4150
	464(V)	90	110	Y315S-4		4850	80.8	4160
	520(V)	102	132	Y315M-4		5450	90.8	4290
	555(V)	115	132	Y315M-4		5800	98.3	4300
	585(V)	130	160	Y315L1-4		6100	101.7	4350
	620(V)	145	185	Y315L2-4		6350	105.8	4450

2BE Type Liquid Ring Vacuum Pump

2BE1 403-0	330(V)	97	132	Y315M-4	33mbar (-0.098MPa)	5160	86.0	5860
	372(V)	110	132	Y315M-4		5700 6470	95.0	5870
	420(V)	131	160	Y315L1-4		7380	107.8	5950
	472(V)	160	200	Y315L2-4		8100	123.0	6190
	530(V)	203	250	Y355M2-4		8600	135.0	6630
	565(V)	234	280	Y355L1-4			143.3	6800
2BE1 405-1 2BE1 406-1	330(V)	100	132	Y315M-4	160mbar (-0.085MPa)	6000	100.0	5980
	372(V)	118	160	Y315L1-4		6700	111.7	6070
	420(V)	140	185	Y315L2-4		7500	125.0	6200
	472(V)	170	200	Y315L2-4		8350	139.2	6310
	530(V)	206	250	Y355M2-4		9450	157.5	6750
	565(V)	235	280	Y355L1-4		10100	168.3	6920

Notes

1."D" means "Direct drive"; "V" means "V-Belt drive".

2.The motor recommended above can work under most conditions. If the discharge pressure exceeds the scope of 0.02~0.05 Mpa(G), it is necessary to increase the motor power. If the shaft power corresponding with the work pressure of the 2BE series vacuum pump is lower (refer to the curve of the shaft power), the motor with lower power closed to the shaft power can be used for saving energy

SK 2SK Series Liquid Ring Vacuum Pump

Products overview

SK(2SK) water ring vacuum pump is a kind of rough vacuum pump, which can obtain 4~8kPa ultimate pressure for the single-stage pump, and 2~4kPa for 4 ~ 8kPa for the two-stage pump. Pumps of this series possess compact structures, and are reliable to use, convenient to install and disassemble, and easy to maintain.

As the gas compression process of the water ring pump is under isothermal condition, the flammable and explosive gases can be exhausted, as well as gases containing dust and water; Therefore the application of the water ring pump is growing.



Applications

They are mainly used for pumping air and other gases which have certain corrosivity and a small amount of dust, which are not soluble in water, and widely used in many technical processes in the petroleum, chemical, machinery, mining, light industry, paper-making, power, metallurgy, medicine, food and other industries and municipal and agricultural sectors, such as vacuum filtration, vacuum feeding, vacuum degassing, vacuum evaporation, vacuum concentration, vacuum resurgence, etc.

Model	Capacity (m ³ /min)	Ultimate Pressure(Pa)	Power(Kw)	Speed (Rpm)	Flow of Supplying Water(L/min)	Diameter (mm)	Weight (kg)
SK-1.5	1.5	6.7×10^3	4	1440	10~15	Φ 65	180
SK-3	3	6.7×10^3	7.5	1440	15~20	Φ 65	275
SK-6	6	6.7×10^3	15	1460	25~35	Φ 100	450
SK-12	12	6.7×10^3	22	970	40~50	Φ 125	900
SK-20	20	6.7×10^3	37	740	60~80	Φ 150	1940
SK-30	30	6.7×10^3	55	740	70~90	Φ 150	2340
2SK-1.5	1.5	3.3×10^3	4	1440	10~15	Φ 40	200
2SK-3	3	3.3×10^3	7.5	1440	15~20	Φ 40	295
2SK-6	6	3.3×10^3	15	1460	25~35	Φ 50	480
2SK-12	12	3.3×10^3	22	970	40~50	Φ 100	1000
2SK-20	20	3.3×10^3	37	740	60~80	Φ 125	2100
2SK-30	30	3.3×10^3	55	740	70~90	Φ 125	2500

2X Series Rotary Vane Vacuum Pump



Application

2X pump is one of the basic equipment for obtaining vacuum for airtight containers by exhausting gas. It can be used alone, or used as the fore pump in front of the booster pump, diffusion pump, molecular pump, etc. This pump is applicable to the vacuum metallurgy, vacuum welding, vacuum impregnation, coating, vacuum drying, as well as the vacuum treatments in chemical and pharmaceutical industry, electric vacuum devices and other industries.

Application

1. The pump can work within the ambient temperature range of 5~40 and under the inlet pressure less than 1330Pa. It is also allowable for long-term continuous work.
2. The pump is neither applicable to pump the gases which have excessive oxygen content, poisonous and explosive feature, and chemical reactions with oil of pumps, and dust particles, nor act as a transfer pump to transfer gas from one container to another.
3. The continuous working hours of the pump under the inlet air pressure of 6000Pa shall not exceed 3min to avoid damages caused by oil injection or bad lubrication.

Model	2X-4A	2X-8A	2X-8	2X-15	2X-30A	2X-70A
Pumping Speed (L/S)	4	8	8	15	30	70
Ultimate Pressure ($\leq$ Pa)	$\leq 6 \times 10^{-2}$					
Motor Power (kw)	0.55	1.1	1.1	2.2	3	5.5
Temperature Rise ($^{\circ}$ C)	$\leq 40^{\circ}$ C					
LW Noise dB(A)	≤ 75	≤ 78	≤ 78	≤ 80	≤ 82	≤ 86
Inlet Diameter (mm)	$\Phi 25$	$\Phi 25$	$\Phi 40$	$\Phi 40$	$\Phi 65$	$\Phi 80$
Rotational Speed (rpm)	450	550	320	320	450	420
Injection Amount of Oil (L)	0.7	0.9	2	2.8	2	4.2
Size (cm)	55 $\times$ 34 $\times$ 41	55 $\times$ 43 $\times$ 44	79 $\times$ 43 $\times$ 54	79 $\times$ 53 $\times$ 54	78 $\times$ 50 $\times$ 56	91 $\times$ 65 $\times$ 70
Weight (Kg)	54	70	135	196	240	428

XD Series Rotary Vane Vacuum Pump

Products overview

XD type vacuum pump is single stage structure, features high speed, low noise, quick pumping and high efficiency. Pump is air cooled and provides with anti-backing structure to prevent oil from backing to the pumped system. Exhaust filter is fitted inside the pump to effectively eliminate oil mist. It is widely used in food vacuum packaging, pharmaceuticals, paper fdding in printing machinery, glass delivery, vacuum clamp, drying and so on.



XD series vacuum pump has the following characteristics:

1. Direct transmission, compact structure, light weight;
2. Air cooling, no water, easy to operate, low maintenance costs;
3. Multi-vane and the bottom is equipped with rubber pads, smooth, little vibration;
4. Pump oil separator can effectively remove small oil mist exhaust;
5. Pump design with automatic oil circulation system, often without refueling;
6. Pump has the automatic suction valve, when the pump stops working, pump suction valve and pumping system to be isolated automatically to prevent the oil back into the system;
7. High efficiency.

Model	XD-010	XD-020	XD-025	XD-040	XD-063	XD-070	XD-100	XD-160	XD-250
Capacity (m ³ /h)	10	20	25	40	63	70	100	160	250
Ultimate Pre (Pa)	2×10 ²	2×10 ²	2×10 ²	2×10 ²	2×10 ²	2×10 ²	2×10 ²	2×10 ²	2×10 ²
Power (Kw)	0.37/220V	0.75/220V	0.9/220V	1.5	1.5	2.2	3	5.5	7.5
	0.37/380V	0.9/380V	1.1/380V						
Speed (Rpm)	1400	2800	2800	1400	1400	1440	1440	1440	1440
Weight (Kg)	16	19	20	58	62	85	95	145	200



ZJ Series Roots Vacuum Pump

Summary



The Roots vacuum pump is also known as the mechanical booster which is a positive displacement type pump. It is one of the special pumps which can reach middle, high vacuum range. Its work principle is similar to the Root fan. Both of them used a pair of rotors, whose shape looks like 8, to achieve the suction and discharge process.

According to the technics that the plenty of vapor and solvent is required to pump in the mechanical, pharmacy areas, we have improved the seal type of the bearing housing and gear box of the ZJ series Roots pump to reduce the emulsification of the pump oil efficiently and make the Roots pump more suitable to assemble with the water ring vacuum pump to suction more vapor and solvent.

Main Characteristics

- It has larger suction capacity in the wider pressure range($1\sim 1\cdot 10^4\text{Pa}$).
- There is no oil in the pump chamber, so the pollution of the oil vapor is avoided.
- It has less vibration and lower noise.
- It has less mechanical attrition and drive power.
- It is easy to repair and maintenance, so it has lower maintenance charges and longer usage life.
- It can pump the coagulated gases.
- It cannot be used separately, a fore pump is needed. Under the atmosphere, it is not allowed to start directly until the inlet pressure reaches the definite pressure that obtained by the fore pump. The water ring vacuum pump, the oil ring vacuum pump and oil seal mechanical pump can be used as the fore pump.

ZJ Series Roots Vacuum Pump

Type		ZJ-15	ZJ-30	ZJ-70	ZJ-150	ZJ-300	ZJ-600	ZJ-1200	ZJ-2500
Suction capacity (L/s)		15	30	70	150	300	600	1200	2500
Limited vacuum (Pa)		5*10 ⁻²	5*10 ⁻²	5*10 ⁻²	5*10 ⁻²	5*10 ⁻²	5*10 ⁻²	5*10 ⁻²	5*10 ⁻²
Max. pressure (Pa)		8000	8000	8000	6000	4500	4500	3000	3000
Speed (r/min)		1390	2770	2870	2900	1450	2900	1450	1450
DN (mm)	Inlet	50	50	80	100	150	150	300	400
	Outlet	40	40	50	100	150	150	300	400
Weight (kg)		75	75	100	215	480	503	1580	2150
Power (kW)		0.55	0.75	1.5	3	4	7.5	15	22
Noise (dB)		<or=78	<or=78	<or=78	<or=82	<or=83	<or=86	<or=90	<or=90

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