Where there is KAIQUAN, there is water

800–1000ZLB、HLB

800-1000 ZLB,HLB Vertical Axial Flow Pump, Mixed Flow Pump

- Advanced technology, perfect hydraulic performance and high efficiency
- Wide performance coverage and complete models and configurations
- Traditional constructure without transmission shaft
- Common motors ,cheaper and easy maintenance

ISO9001 2000
ISO9001 Certified(version 2000)

Head Office Number: 400–002–6600
http://www.kaiquan.com.cn

YB/KAIQUAN ZLB/HLB(800-1000)-20160705

Content

1, Models explanation

1. 900ZLB-70 900ZLB/X-70N 900ZLB/1X-70C

900--vertical discharge diameter (mm)

ZLB--vertical partly-adjustable axial flow pump

ZLB/X--vertical axial flow pump without transmission shaft (top discharge)

ZLB/1X--vertical axial flow pump without transmission shaft (down discharge)

70--1/10 of the pump specific speed ,which means that the pump specific is 700

.

N--Means new hydraulic models

C--Means that the pump impeller diameter is larger than the standard. A and B means the smaller impeller. (The mixed flow pump is the same.)

2. 900HLB-50 900HLB/X-50N 900HLB/1X-50C

900--vertical discharge diameter (mm)

HLB--vertical partly-adjustable mixed flow pump

HLB/X--vertical mixed flow pump without transmission shaft (top discharge)

HLB/1X--vertical mixed flow pump without transmission shaft (down discharge)

50--1/10 of the pump specific speed ,which means that the pump specific is 500

3, When placing an order ,must make sure the pump blade angles , device installation form, installation height L,L1, the motor power, voltage, speed and so on. Then write remarks.

2, Main application

- Industrial and mining drain, municipal engineering, sewage treatment plant
- Iron industry, metallurgy, power plant,shipbuilding, water plant circulation, water supply and so on
- Hydraulic engineering, river harnessing.
- Irrigation, aquaculture, saltworks

3, Work conditions

1. Single pump capacity: 0.2m^3/s--4.5m^3/s。
2. Head: 2m--30m
3. Pump discharge diameter: 800mm---1000mm

4, Medium: clean water, river water, waste water, ruin, sewage and other liquid like water in chemical and physical performance.

5, Motor:

Voltage: 380V,660V,6000V,10000V, 50HZ

Protection class: IP23, IP44

Insulation class: B,F

Work environmental temperature: 55 Turn down the motor power level when the temperature is higher than 40

6, Impeller rotation direction: The impeller rotetion direction is clockwise in view from motor to pump.

7, Other notes:

1) Suction form:

The suction trumpet is suitable for eruciform, rectangle, polygon, circle, semicle inlet pool.

2) Discharge form:

Old ZLB, HLB discharge form is 60°elbow discharge with flange connection

Z(H)LB/X without transmission shaft discharge form is 60°elbow discharge with flange joint

Z(H)LB/1X without transmission shaft discharge form is 90°elbow discharge with flange joint

4, Product feature

◆ This series of pumps performance coverage is wide. The models and specification is complete. The series of pumps are suitable for various work conditions.

◆ Traditional structure without transmission shaft can meet different requirement.

1, Traditional type pumps meet old hydraulic design and old pump station updating.

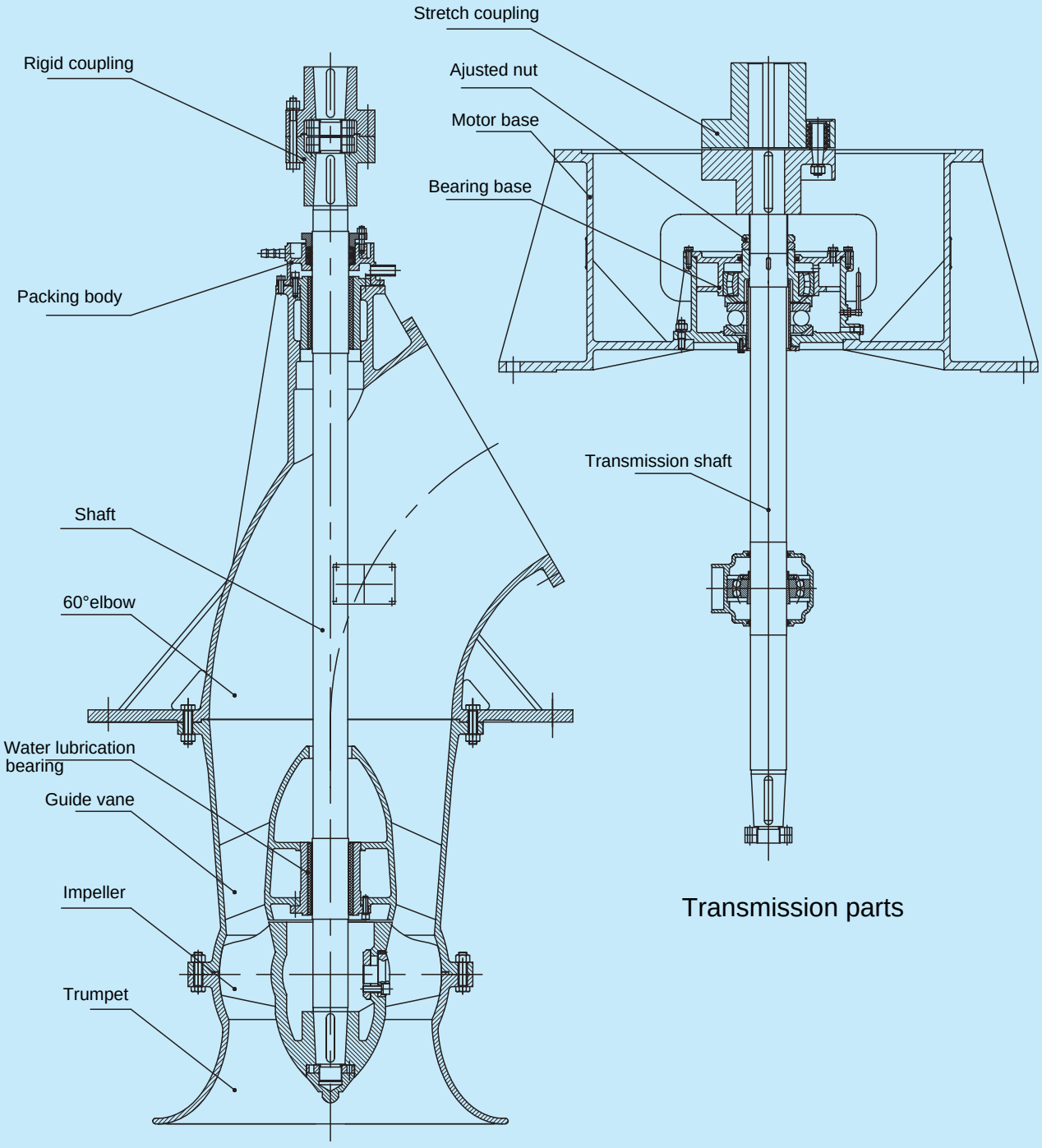
2, no transmission shaft: The traditional pump station mixed or axial flow pump installation form is double base installation including a motor base and a pump base. But the new structure pump without transmission shaft installation form can be single base installation, which can decrease the capital construction cost. The device unit installation and maintenance is more convenient. New pumps can save much time and cost.

◆ The pump has good hydraulic performance and high efficiency.

◆ The pump is equipped with common motor which is cheaper. And the maintenance is more convenient and safer to prevent water.

5, Structure diagram

Diagram 1(the pump bears axial force)

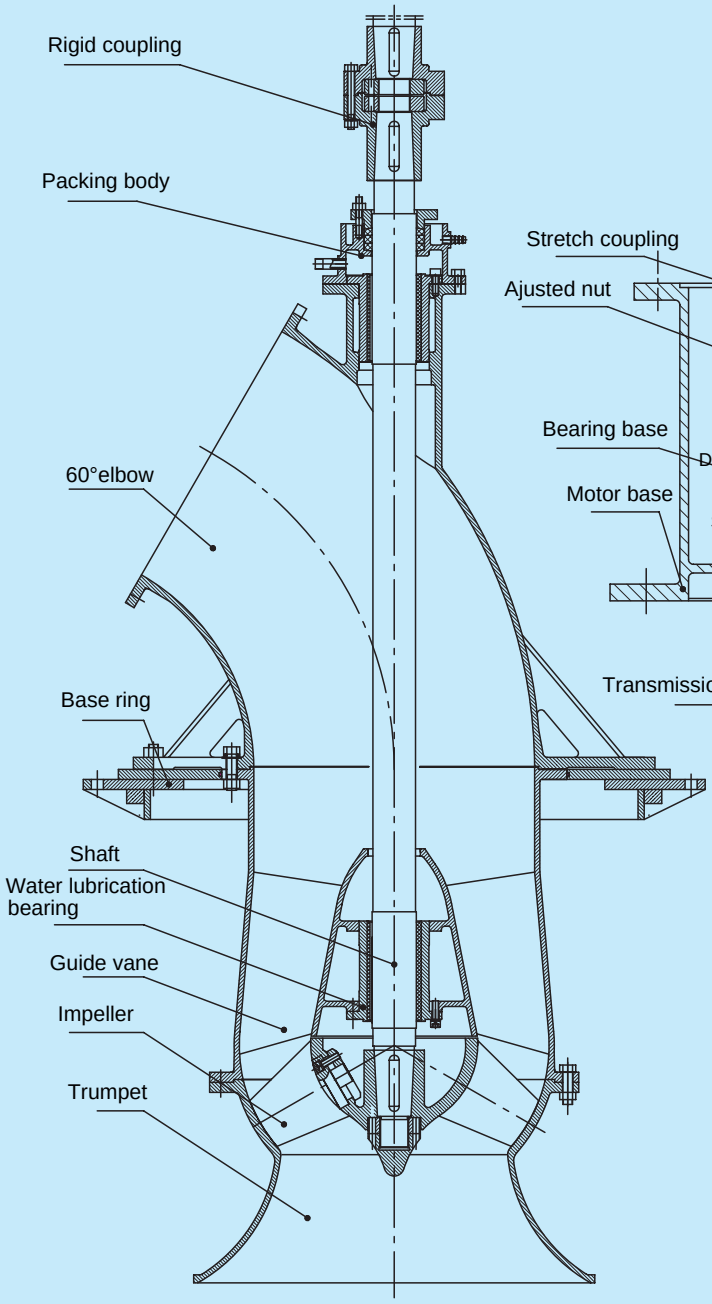


Transmission parts

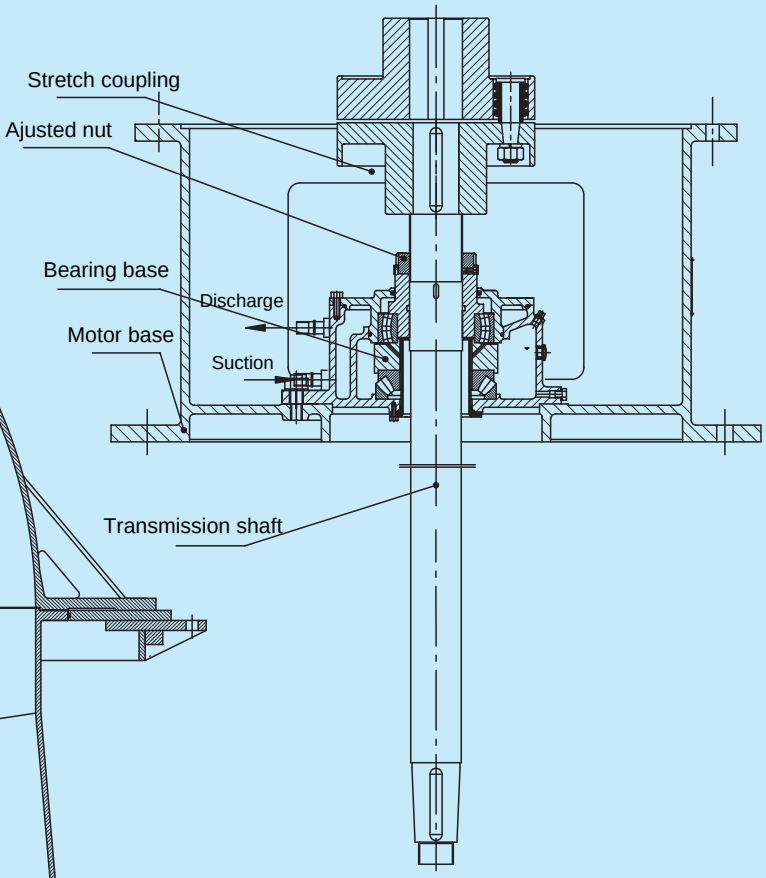
Pump body

Note: ZLB axial flow pump typical structure diagram.

Product structure (The pump bears axial force)



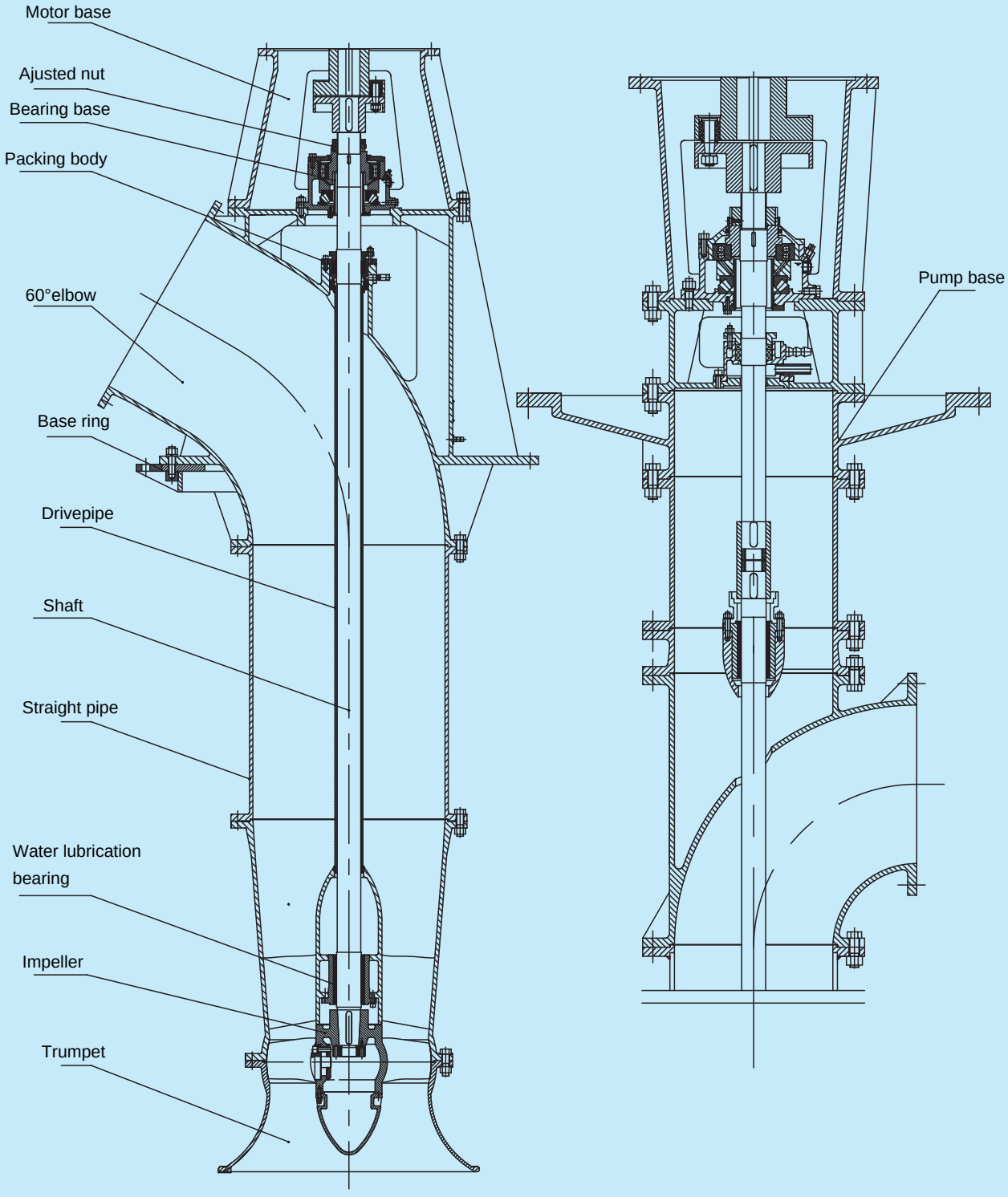
Pump body



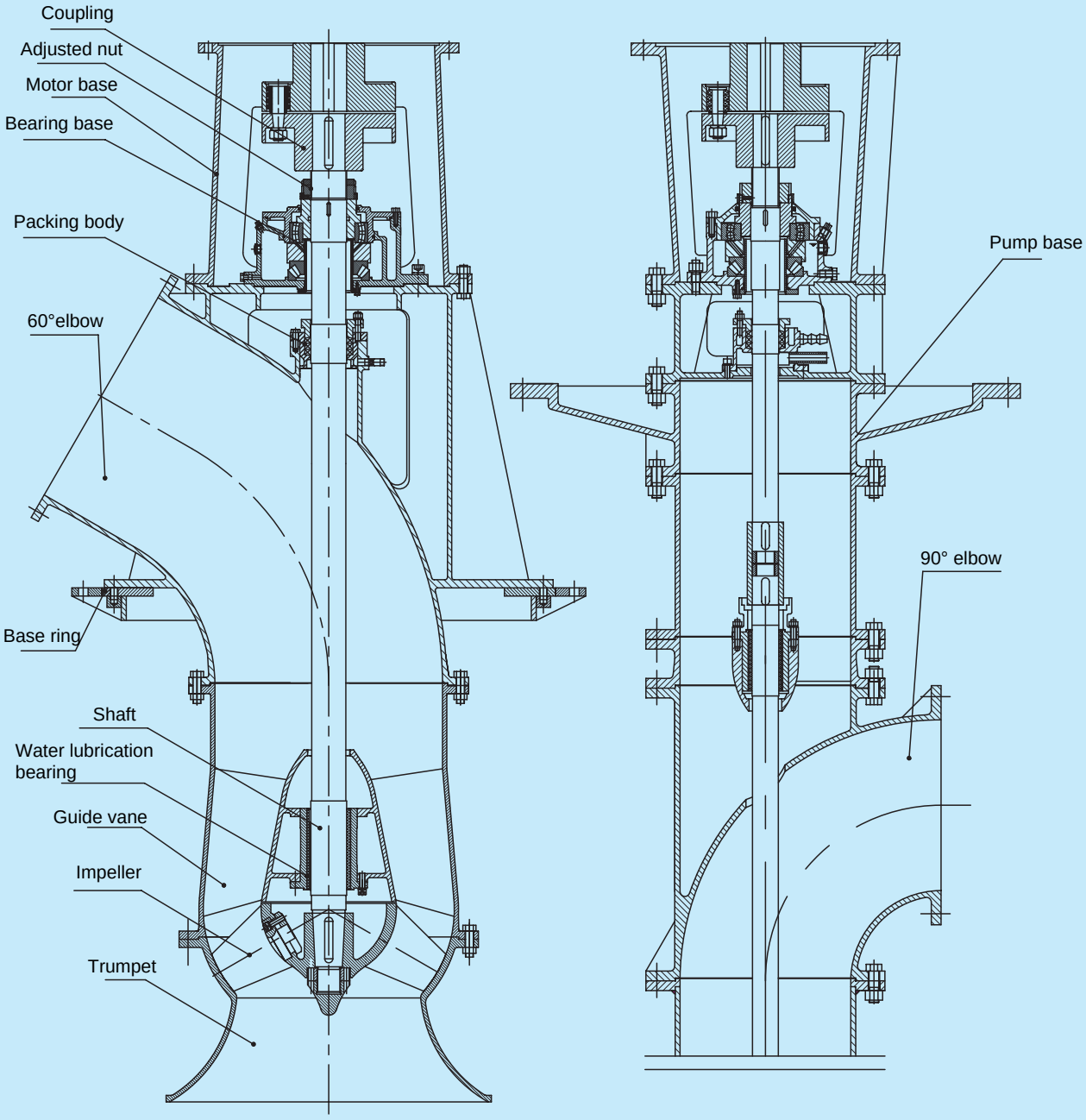
Transmission part

Note: HLB mixed flow pump typical structure drawing

Diagram 2 (The pump bears axial force)



ZLB typical axial flow pump structure diagram



Note: HLB mixed flow pump typical structure diagram

6, Structure introduction

1, “Traditional type” and “no-transmission shaft” structure analysis

Traditional type: It is the traditional typical structure of the vertical axial pump

1)In pump station , the pump body is under the pump floor and the motor and transmission parts are set on the motor floor. The motor and the pump are connected by specific transmission shaft.

2)The weight of the motor, transmission parts and pump rotor and the axial force is bore by the motor floor. The pump floor just bears the pump casing weight and the other force when the pump runs.

3)There are two types of pump installation forms, open (wet)type and closed(dry) type. The pump is hung into the hole through the motor hole, which is more convenient for check and maintenance.

4)The transmission shaft can be adjustable according to the different motor floor height. If the transmission shaft is too long, must equip the pump with middle support parts and the pump station must have corresponding support base.

5)There is transmission shaft adjustable nut for transmission parts. And it can adjust the pump impeller position and remove the installation height error.

Structure without transmission shaft:

1)The pump is connected directly with the transmission parts. There isn’t specific transmission shaft in the pump. The motor is needless in the pump station. The weight of the pump, transmission parts, and motor and the axial force are bore by the pump base.

2)The pump base (elbow) and pump floor installation form is closed(dry) type.

3)Joint pipe and extension shaft with different length between the elbow and the guide vane can meet the different pump floor height. If the joint pipe is too long, the shaft is connected sectionally and set middle water bearing.

4) There is pump shaft adjustable nut down the coupling and it can adjust the pump impeller position lightly. And there is reliable adjustable nut anti-loose part.

5) Because the transmission part is connected directly with the pump. The dimensions and form and location tolerance are guaranteed during the period of finish machining and assembly. That can decrease the pump station installation requirement and also overcome the disadvantages when installing the pump with transmission parts such as demanding centering , slight allowed height error and costing much energy and time.

2, The impeller is adjustable. Can adjust the blades angle after disassemble the impeller parts.

3, The stainless steel sleeve is set between the pump shaft and the water guide bearing which has good anti-rust performance.

4, Shaft seal: It is packing seal. The leakage water is collected and discharged by the drain pipe.

5, Water bearing lubrication: There is a shaft sleeve set outside of the pump shaft to protect the water bearing for the sewage with some particles. And there is a seal closed to the two shaft sleeve ends. The water pressure is 0.2MPa higher than the pump head. And the water enters from the top elbow water lubrication joint pipe and flows into the pump medium after lubricating and chilling the water bearing.

6, Specific bolt seal gasket: When it is closed (dry) type installation, the specific bolts seal gasket is set between the bolt and elbow flange contact surface. The specific bolt seal gasket is to prevent the pool water to leak to the pump floor through the bolt.

7, Base ring and gasket:
When it is trumpet suction type and closed (dry) pump floor installation, the base ring is needed. The base ring and pump floor base are buried in advance according to the requests. The seal gasket is set between the pump and the joint face to prevent the pool water leak into the pump floor. When it is flow channel suction type, the pump is connected with the base gasket and it is actually a dry type device. So must take the leakage problem into account when connecting the base ring with the suction entrance.

8, Others: the straight pipe, 30° elbow, expansion joint parts and others parts behind the pump outlet elbow are optional.

7, Main components material

1, Common supply: trumpet, guide vane, elbow, impeller base, motor base: HT200/Q235

Pump shaft, transmission shaft: 45# steel
blades: ZG270~500
water guide bearing: HT200+natural rubber
shaft seal: oil-impregnated graphite packing

2, optional supply: Blades: bronze,SS,QT

Impeller base: bronce,SS, QT
Pump shaft: 2Cr23, 40Cr
Water bearing: HT200+polyurethane rubber/Thordon

If the customer needs other material, it can be discussed.

8, Scope of supply

1, Main pump, transmission parts, motor(optional), specific

2, Make sure the closed installation : base ring

3, Make sure other customer supply requests

9, Order notes

1, It should be explicit: product models and names, performance(Q, H orblade angle,speed, NPSHr), motor, pump installation form, motor floor installation form, L(L1) length, medium.

2, Discussed attcahed components:anchor bolts, clap door, 30°elbow, straight pipe, diffuser, expansion joint, joint bolt and other request except from common supply material request.

10, Performacne curve, outside installation diagram is behind

1, As different types of motor power levels are inconsistent in the actual matching motor power, due to motor series reasons, may cause a slight difference with the motor performance parameters of the motor matching table, and performance parameters of the table matching motor power is in accordance with The highest lift point configuration, if the actual maximum lift is lower, supporting power can be adjusted as appropriate

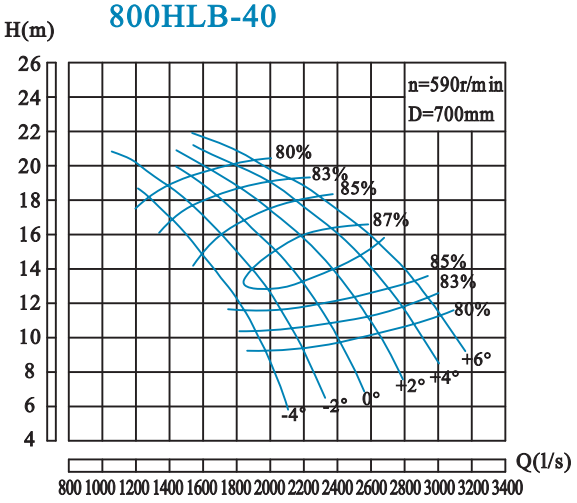
2, In the outside drawing ,more than 450 KW large motor motor base installation dimensions may be adjusted and some motors need to be designed again. So the outside installation diagram and dimensions are not supplied in this book. Contact with tech sector for the scheme.

3, Z(H)LB/X, Z(H)LB/1X performance curve is similar with the ZLB, HLB performance curve with the same configuration. (Note: performacne curve and outside installation diagram are shown behind)

4, Select the suitable motor power acording to the maximum head and running angles.

800HLB performance curve/ data sheet

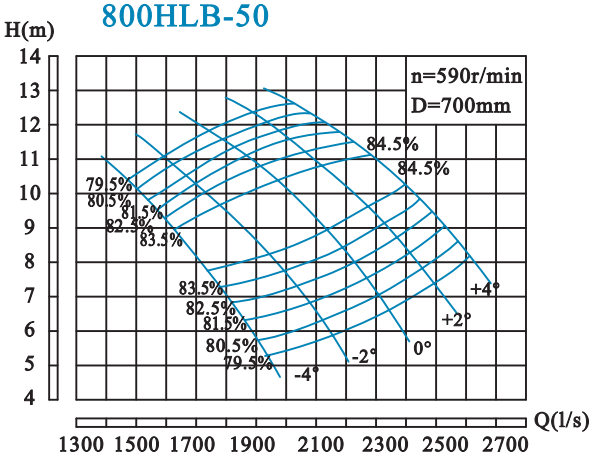
800HLB-40



800HLB-40 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	7090	1969	9.33	590	224.4	315	80.2	700
	6327	1757	12.95		258.0		86.5	
	4894	1359	17.48		284.3		81.9	
-2°	7871	2187	9.49		253.1	350	80.4	
	7127	1980	13.02		289.7		87.2	
	5880	1633	16.79		317.8		84.6	
0°	8672	2409	9.83		289.1	400	80.3	
	7443	2068	14.83		342.7		87.7	
	6011	1670	18.35		363.7		82.6	
+2°	9416	2616	10.73		336.2	450	81.8	
	8188	2274	15.07		383.0		87.7	
	6550	1820	18.71		400.5		83.3	
+4°	10198	2833	11.30		384.5	500	81.6	
	8876	2466	15.48		429.1		87.2	
	7295	2026	18.88		449.3		83.5	
+6°	10681	2967	11.87		419.6	500	82.3	
	9267	2574	16.36		472.6		87.3	
	7685	2135	19.19		482.9		83.1	

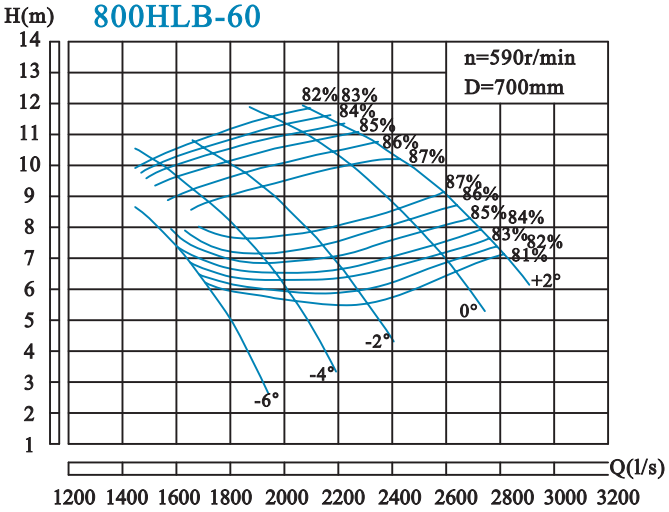
800HLB-50



800HLB-50 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	6922	1923	5.23	590	122.7	200	80.3	700
	5955	1654	8.83		169.5		84.5	
	5303	1473	10.37		186.4		80.3	
-2°	7723	2145	5.86		153.4	220	80.3	
	6513	1809	9.65		202.2		84.6	
	5731	1592	11.09		215.5		80.3	
0°	8393	2331	6.58		187.3	280	80.3	
	7127	1980	10.19		233.9		84.5	
	6271	1742	11.81		251.1		80.3	
+2°	8932	2481	7.39		223.9	315	80.3	
	7630	2119	10.82		265.9		84.5	
	6792	1887	12.35		284.4		80.3	
+4°	9360	2600	8.11		257.5	355	80.3	
	8188	2274	11.27		297.2		84.5	
	7257	2016	12.62		310.6		80.3	

800HLB-60

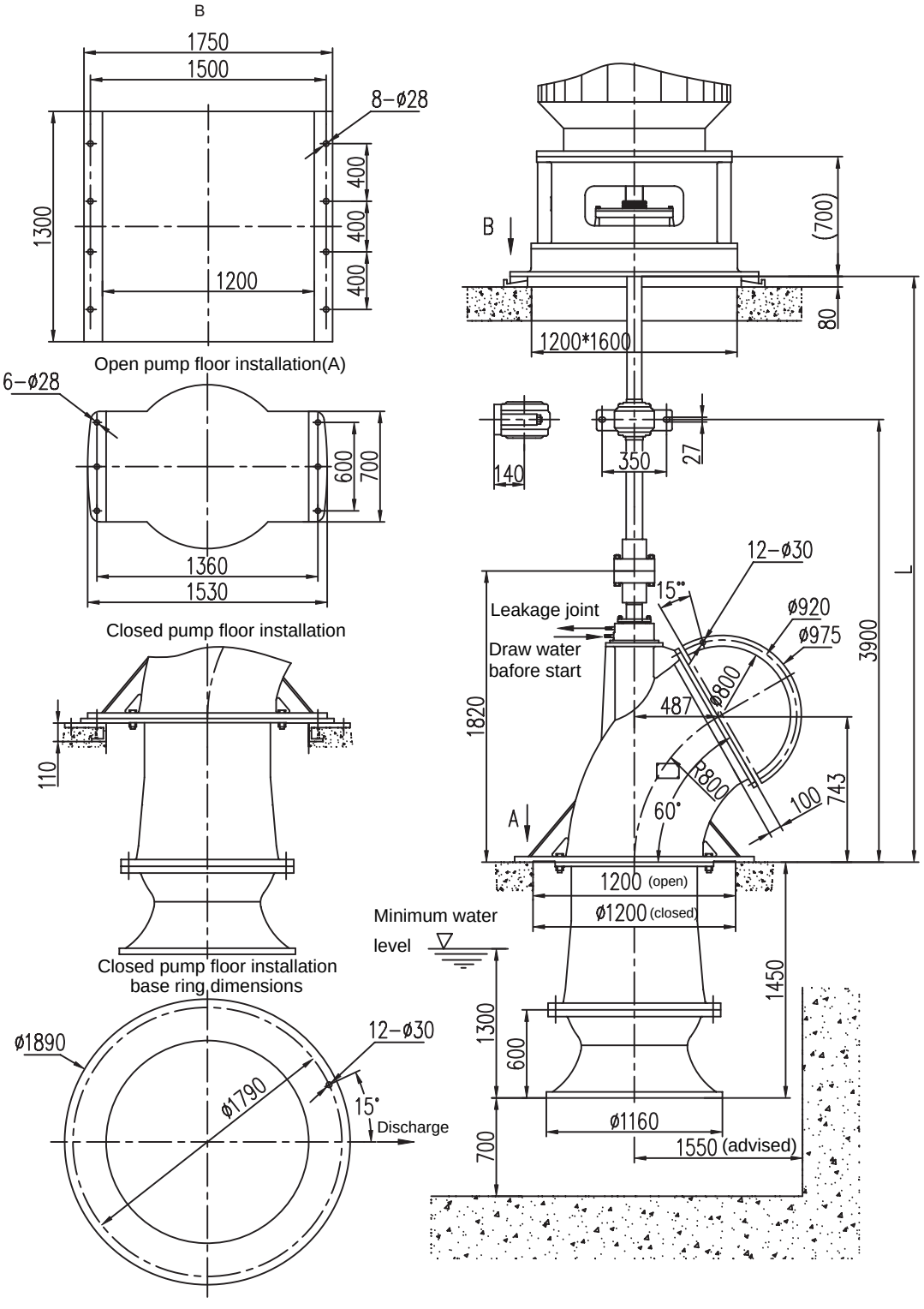


800HLB-60 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	6061	1684	6.48	590	130.4	160	82.0	700
	5769	1602	7.36		137.4		84.2	
	5359	1489	8.67		148.8		85.0	
-4°	7257	2016	5.93		142.9	200	82.0	
	6465	1796	8.18		163.7		87.9	
	5443	1512	10.21		184.5		82.0	
-2°	8186	2274	5.96		161.9	220	82.0	
	7174	1993	8.68		193.1		87.8	
	6001	1667	10.77		214.6		82.0	
0°	9390	2608	6.89		214.7	280	82.0	
	8074	2243	10.01		251.3		87.5	
	7030	1953	11.58		270.3		82.0	
+2°	10036	2788	7.38		246.0	315	82.0	
	8901	2472	9.99		277.2		87.3	
	7529	2091	11.85		296.3		82.0	

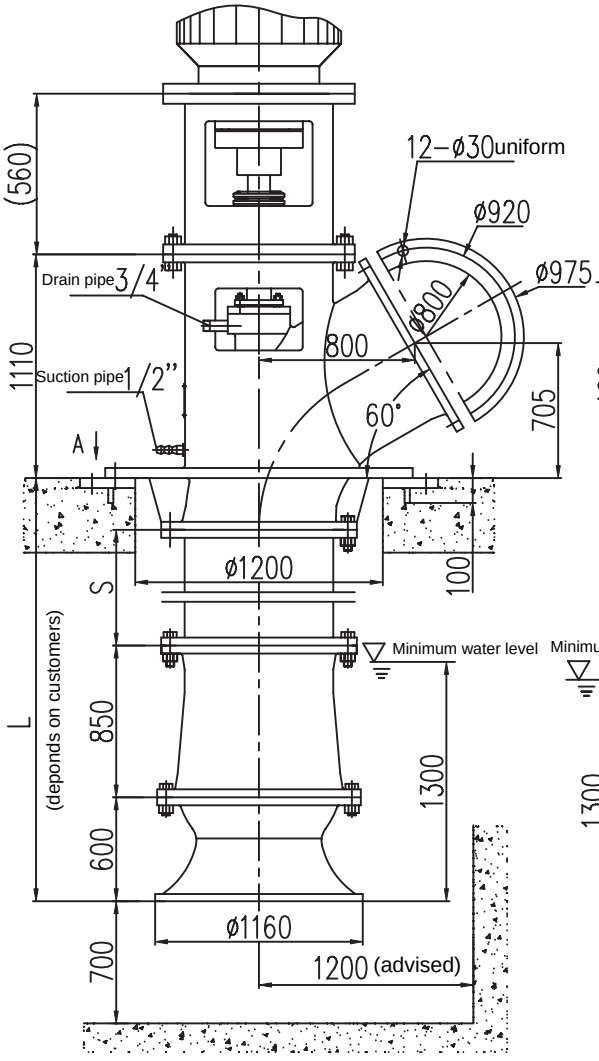
800HLB outside installation diagram

Model	Pump weight	Rotation parts weight	Transmission parts weight	Maximum axial force	Introduction
800HLB-40	2000	500	1900	9150	1, L is generally 2400~6000 and middle bearing is needed if L is more than 4800. 2, Motor floor load= motor weight+ rotation parts weight+ transmission parts weight+ maximum axial force
800HLB-50	2000	500	1900	8500	
800HLB-60	2000	500	1900	7300	

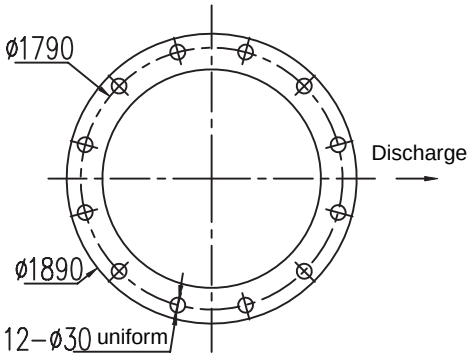


800HLB/X,800HLB/1X without transmission shaft outside installation diagram

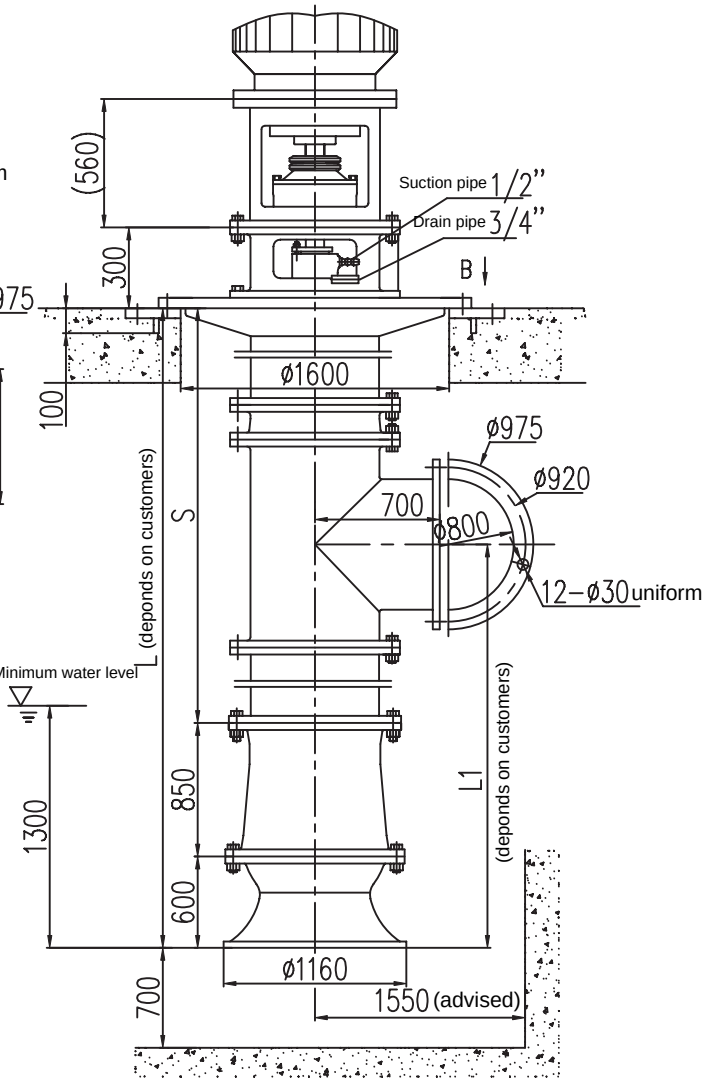
800HLB/X top discharge without transmission shaft installation(closed)



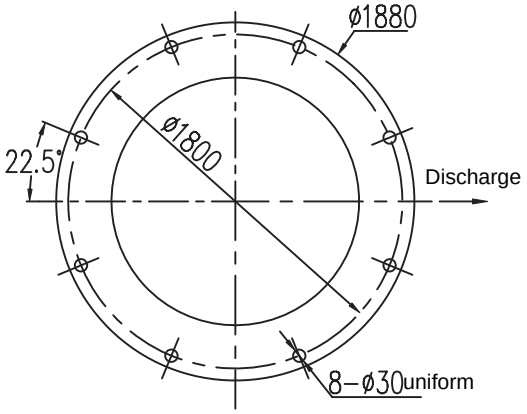
A (top discharge base ring)



800HLB/1X down discharge without transmission shaft installation(closed)

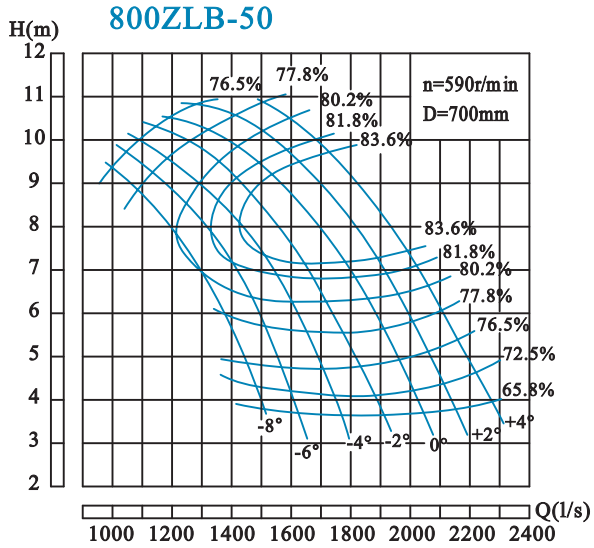


B (down discharge base ring)



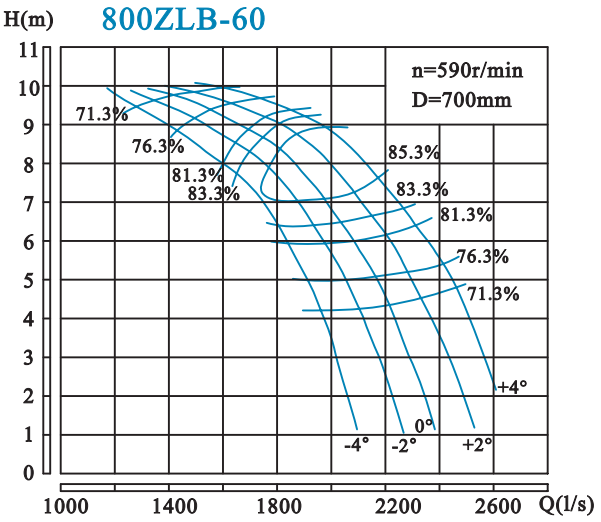
Explanations:
1, If the s is longthened , middle bearing is needed and ask the tech sector for more information.
2, Pump floor load = pump weight+ axial force+ motor weight
3, Pump performacne data and the curve are similar with the related HLB pump.
4, Top discharge minimum L is 1580 and down discharge minimum L is 2180.

800ZLB performance curve and data sheet



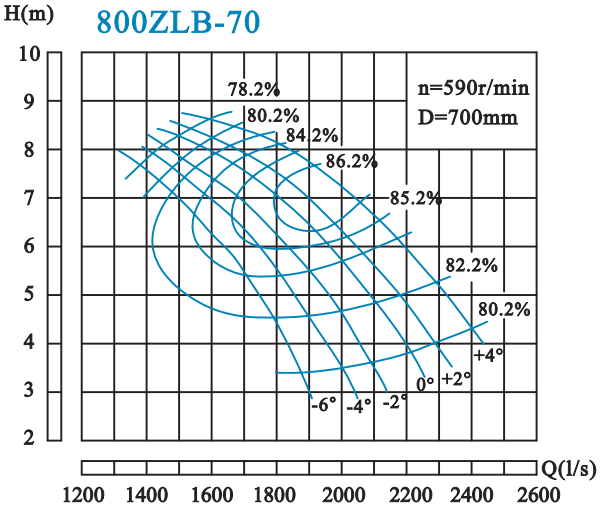
800ZLB-50 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	5689	1580	4.21	590	92.8	155	70.2	700
	4801	1334	7.69		122.0		82.4	
	3801	1056	9.69		133.4		75.1	
-4°	6178	1716	4.13		98.9		70.2	
	5219	1450	7.93		134.7		83.6	
	3922	1089	10.14		144.1		75.1	
-2°	6609	1836	4.13		105.8	160	70.2	
	5376	1493	8.16		142.9		83.6	
	4116	1143	10.42		155.5		75.1	
0°	7202	2001	4.33		120.8	180	70.2	
	5973	1659	8.20		159.6		83.6	
	4769	1325	10.28		170.6		78.2	
+2°	7638	2122	4.42		131.0	200	70.2	
	6288	1747	8.41		172.1		83.6	
	5133	1426	10.62		189.7		78.2	
+4°	7929	2202	4.80		147.5	210	70.2	
	6611	1836	8.64		186.0		83.6	
	5375	1493	10.82		202.4		78.2	



800ZLB-60 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	6640	1844	5.89	590	131.3	160	81.1	700
	6123	1701	7.44		147.1		84.4	
	5707	1585	8.03		154.9		80.5	
-2°	7179	1994	5.74		139.4	180	80.5	
	6542	1817	7.54		156.5		85.8	
	5702	1584	8.75		171.4		79.2	
0°	7575	2104	5.76		147.7	200	80.4	
	6752	1876	7.92		169.3		86.0	
	6286	1746	8.69		179.0		83.1	
+2°	7933	2204	6.20		168.2	220	79.6	
	7008	1947	8.37		185.2		86.3	
	6217	1727	9.30		197.3		79.8	
+4°	8475	2354	6.03		174.2		79.9	
	7475	2076	8.41		198.7		86.1	
	6550	1819	9.47		212.5		79.5	

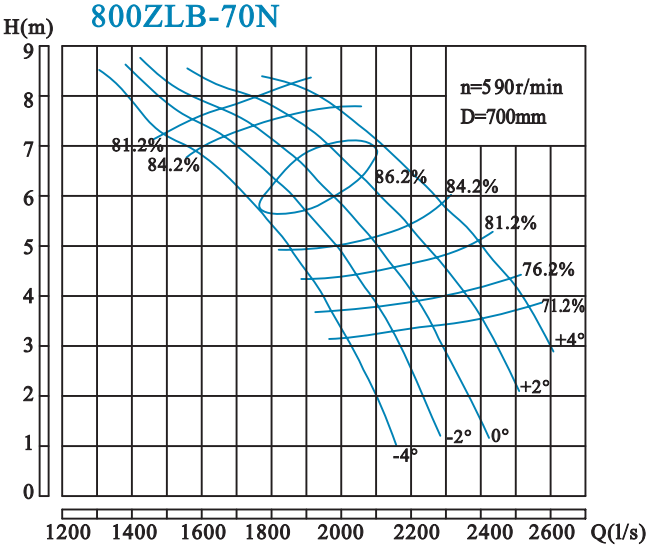


800ZLB-70 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	6699	1861	3.38	590	76.5	132	80.7	700
	5955	1654	5.95		114.0		84.7	
	4931	1370	7.66		130.8		78.7	
-4°	7164	1990	3.47		84.0	155	80.7	
	6104	1695	6.31		122.5		85.7	
	5117	1422	8.00		141.8		78.7	
-2°	7537	2093	3.61		91.8		80.7	
	6420	1783	6.58		134.3		85.7	
	5229	1453	8.11		146.9		78.7	
0°	7909	2197	3.88		103.5	180	80.7	
	6681	1856	6.87		144.6		86.5	
	5359	1489	8.38		155.6		78.7	
+2°	8188	2274	4.06		112.1		80.7	
	6848	1902	6.94		148.5		87.2	
	5415	1504	8.47		158.9		78.7	
+4°	8597	2388	4.42		128.2		80.7	
	7109	1975	7.39		165.1		86.7	
	5750	1597	8.65		172.3		78.7	

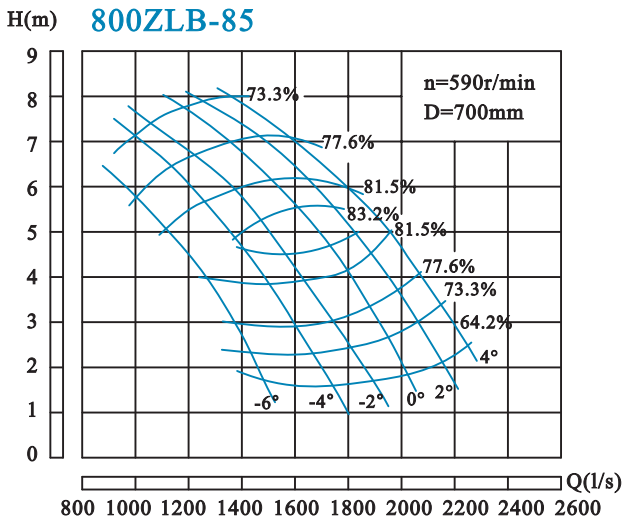
Note: Select appropriate motor power according to the maximum head and running angles.

800ZLB performance curve and data sheet



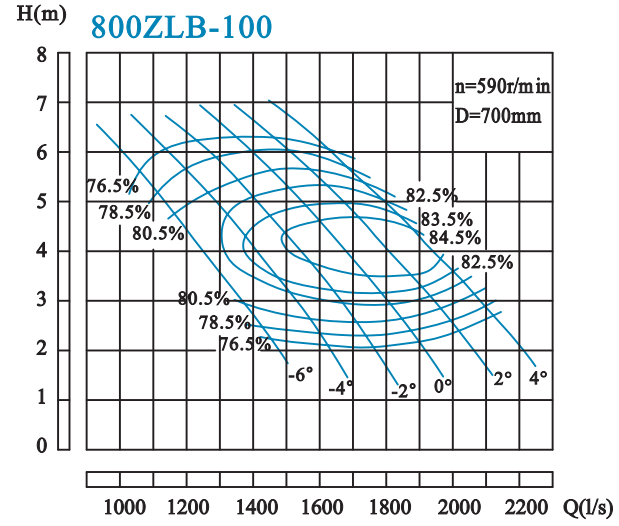
800ZLB-70N 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	6876	1910	4.43	590	101.5	155	81.7	700
	6273	1743	5.90		117.0		86.2	
	5239	1455	7.39		133.1		79.2	
-2°	7420	2061	4.24		107.4	155	79.8	
	6668	1852	6.07		127.5		86.4	
	5569	1547	7.63		144.1		80.3	
0°	7829	2175	4.36		116.9	185	79.5	
	6839	1900	6.55		140.4		86.8	
	5874	1632	7.82		156.1		80.1	
+2°	8289	2303	4.53		128.1	185	79.7	
	7192	1998	6.78		153.8		86.4	
	6258	1738	8.01		169.7		80.4	
+4°	8767	2435	4.71		142.7	200	78.8	
	7683	2134	6.92		168.7		85.8	
	6903	1917	8.07		182.9		82.9	



800ZLB-85 性能参数表 PERFORMANCE DATA

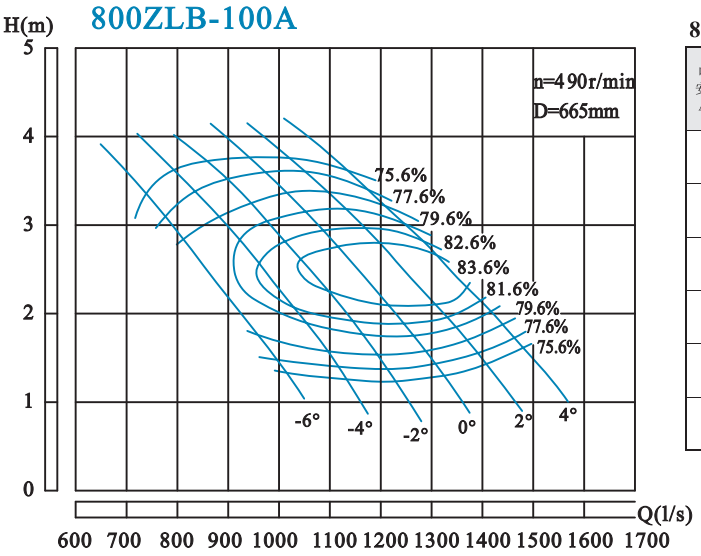
叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	5042	1400	2.52	590	45.8	80	75.5	700
	4609	1280	3.82		56.8		84.5	
	3255	904	6.45		75.7		75.5	
-4°	5841	1623	2.43		51.2	90	75.5	
	4985	1385	4.68		74.4		85.5	
	3565	990	6.84		88.0		75.5	
-2°	6567	1824	2.52		59.7	115	75.5	
	5670	1575	4.60		83.0		85.5	
	3924	1090	7.17		101.5		75.5	
0°	7065	1962	2.75		70.0	132	75.5	
	6216	1727	4.77		93.7		86.3	
	4316	1199	7.44		115.8		75.5	
+2°	7554	2098	3.16		86.1	155	75.5	
	6641	1845	5.10		107.8		85.5	
	4707	1308	7.66		130.1		75.5	
+4°	8036	2232	3.54		102.8	155	75.5	
	6787	1885	5.76		126.1		84.5	
	5140	1428	7.65		141.9		75.5	



800ZLB-100 性能参数表 PERFORMANCE DATA

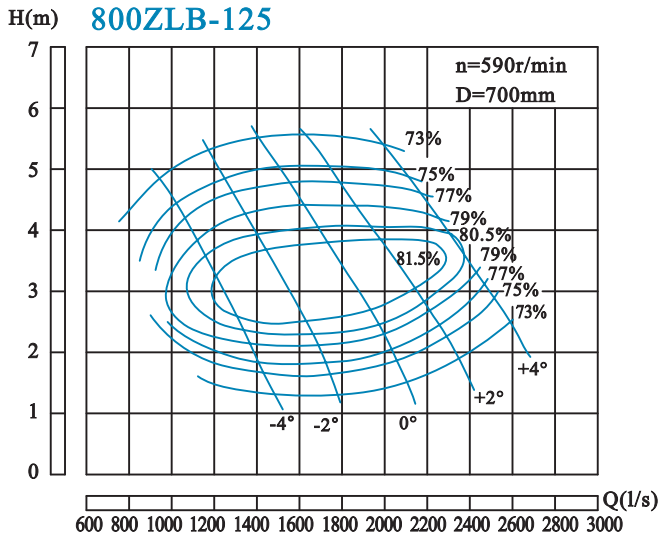
叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	5155	1432	2.48	590	43.4	75	80.3	700
	4652	1292	3.63		54.6		84.3	
	4001	1111	5.23		71.0		80.3	
-4°	5769	1602	2.34		45.9	90	80.3	
	5210	1447	3.70		61.4		85.4	
	4317	1199	5.68		83.2		80.3	
-2°	6271	1742	2.30		48.9	110	80.3	
	5676	1577	3.79		68.1		86.0	
	4652	1292	5.86		92.5		80.3	
0°	6718	1866	2.36		53.8	110	80.3	
	6141	1706	3.79		73.8		86.1	
	5024	1396	5.99		102.2		80.3	
+2°	7164	1990	2.61		63.6	132	80.3	
	6513	1809	3.99		81.7		86.8	
	5434	1509	6.02		111.0		80.3	
+4°	7555	2099	2.88		74.0	132	80.3	
	6978	1938	4.01		88.2		86.5	
	6048	1680	5.72		117.5		80.3	

800ZLB performance curve and data sheet



800ZLB-100A 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	3670	1020	1.54	490	19.4	37	79.6	665
	3313	920	2.26		24.4		83.6	
	2849	791	3.25		31.7		79.6	
-4°	4108	1141	1.46		20.5	45	79.6	
	3710	1031	2.30		27.5		84.7	
	3074	854	3.54		37.2		79.6	
-2°	4465	1240	1.43		21.9		79.6	
	4041	1123	2.36		30.4		85.3	
	3313	920	3.65		41.4		79.6	
0°	4783	1329	1.47		24.1		79.6	
	4373	1215	2.36		32.8		85.9	
	3578	994	3.37		41.2		79.6	
+2°	5101	1417	1.63		28.4	55	79.6	
	4638	1288	2.49		36.5		86.1	
	3869	1075	3.75		49.6		79.6	
+4°	5380	1494	1.80		33.1		79.6	
	4969	1380	2.50		39.4		85.8	
	4306	1196	3.56		52.5		79.6	

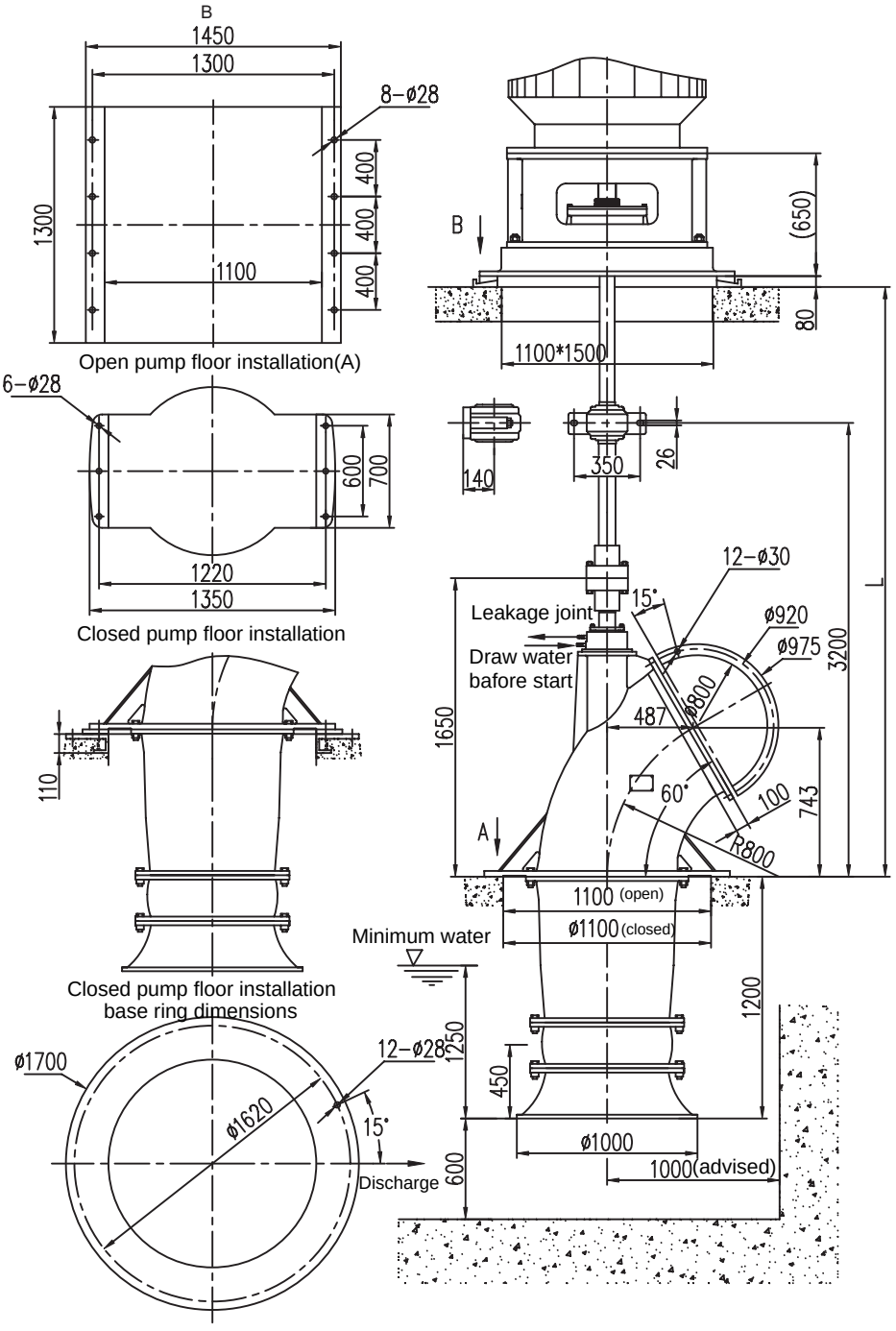


800ZLB-125 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	5117	1422	1.49	590	27.7	65	74.7	700
	4615	1282	2.73		41.2		83.2	
	3387	941	4.51		55.6		74.7	
-2°	6364	1768	1.44		33.4	90	74.7	
	5713	1587	2.83		52.7		83.6	
	4280	1189	5.05		78.7		74.7	
0°	7443	2068	1.71		46.5	115	74.7	
	6736	1871	3.08		67.3		84.0	
	5117	1422	5.23		97.5		74.7	
+2°	8281	2300	1.94		58.5	132	74.7	
	7481	2078	3.23		78.6		83.6	
	5955	1654	5.23		113.5		74.7	
+4°	9025	2507	2.52		83.0	155	74.7	
	8486	2357	3.79		106.1		82.4	
	7220	2006	5.09		134.0		74.7	

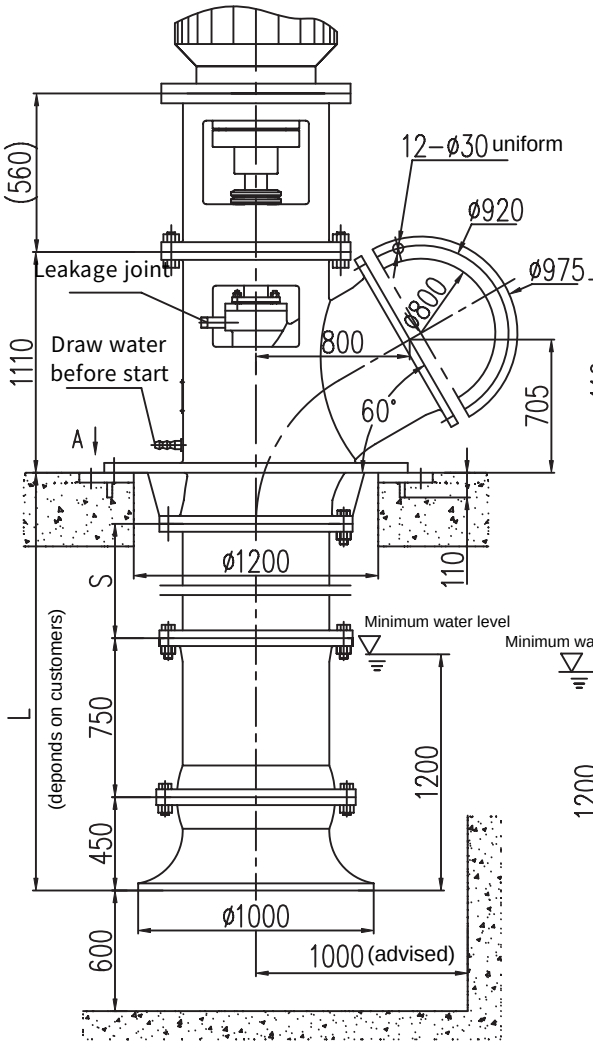
800ZLB outside installation diagram

Model	Pump weight	Rotation parts weight	Transmission parts weight	Maximum axial force	Introduction
800ZLB-50	1700	460	1900	4600	1, L is generally 2400-6000 and middle is needed if L is more than 4000. 2, Motor floor load = motor weight+ rotation parts weight+ transmission parts weight+ maximum axial force
800ZLB-60	1700	460	1900	4300	
800ZLB-70	1700	460	1900	3850	
800ZLB-70N	1700	460	1900	3850	
800ZLB-85	1700	460	1900	3500	
800ZLB-100A	1700	460	1900	3080	
800ZLB-125	1700	460	1900	2700	



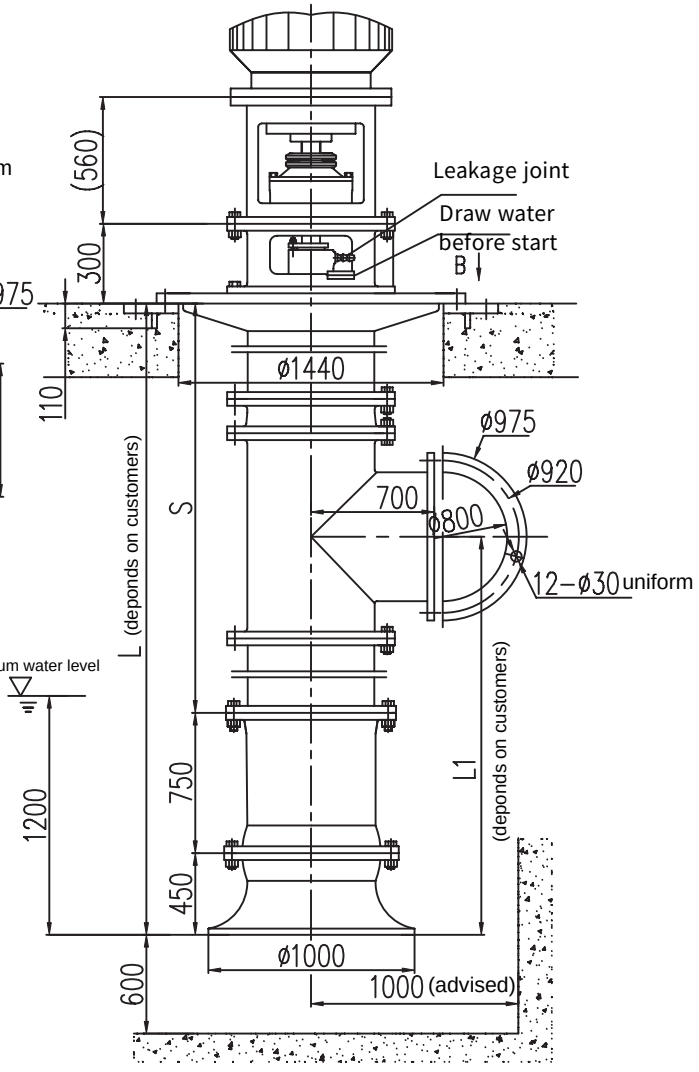
800ZLB/X,800ZLB/1X without transmission shaft outside installation diagram

800ZLB/X top discharge without transmission shaft installation(closed)

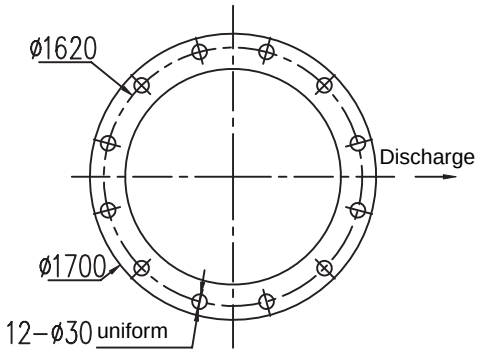


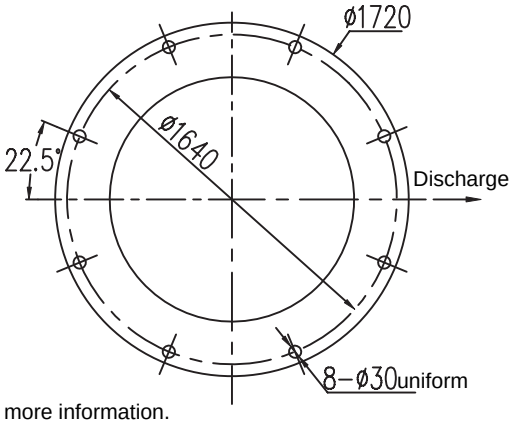
A (top discharge base ring)

800ZLB/1X down discharge without transmission shaft installation(closed)



B (down discharge base ring)

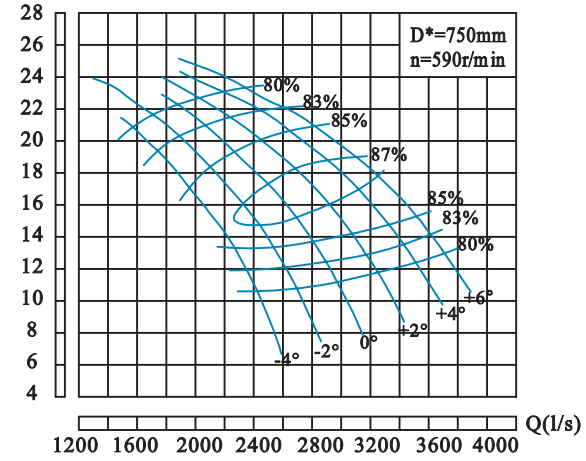




Explanations:
1, If the s is longthened , middle bearing is needed and ask the tech sector for more information.
2, Pump floor load = pump weight+ axial force+ motor weight
3, Pump performacne data and the curve are similar with the related ZLB pump.
4, Top discharge minimum L is 1580 and down discharge minimum L is 2180.

900HLB performance curve and data sheet

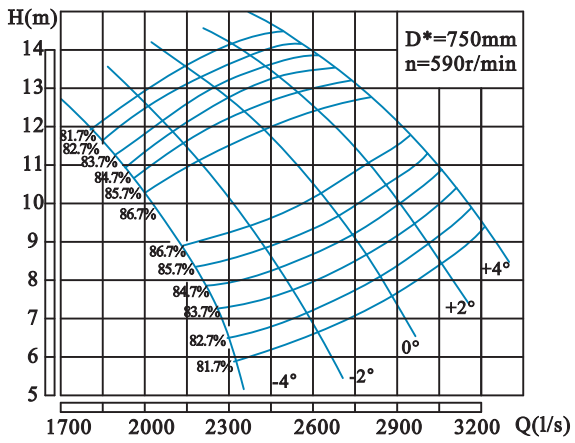
900HLB-40



900HLB-40 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	8720	2422	10.71	590	316.9	450	80.2	750
	7782	2162	14.87		364.3		86.5	
	6020	1672	20.06		401.3		81.9	
-2°	9682	2689	10.90		357.4	500	80.4	
	8766	2435	14.94		409.0		87.2	
	7233	2009	19.28		448.7		84.6	
0°	10666	2963	11.29		408.2	560	80.3	
	9155	2543	17.02		483.9		87.7	
	7393	2054	21.07		513.5		82.6	
+2°	11581	3217	12.31		474.7	630	81.8	
	10071	2797	17.30		540.7		87.7	
	8057	2238	21.48		565.5		83.3	
+4°	12543	3484	12.98		542.9	710	81.6	
	10918	3033	17.77		605.8		87.2	
	8972	2492	21.68		634.3		83.5	
+6°	13138	3649	13.63		592.5	710	82.3	
	11398	3166	18.78		667.3		87.3	
	9453	2626	22.03		681.9		83.1	

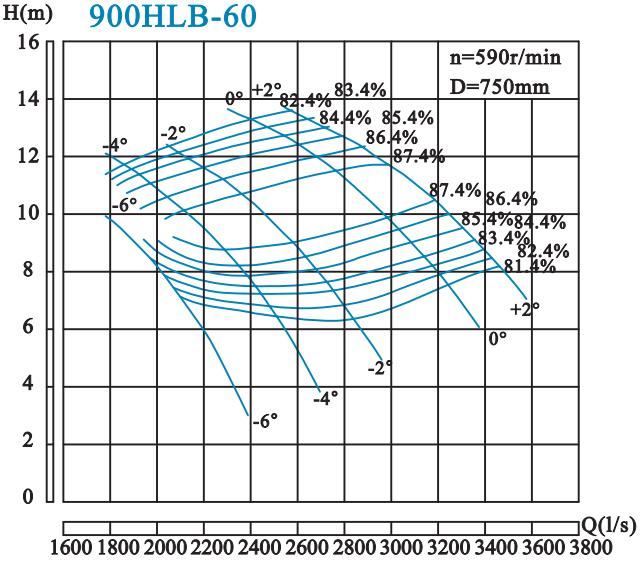
900HLB-50



900HLB-50 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	8514	2365	6.00	590	170.3	285	81.7	750
	7324	2034	10.14		233.2		86.7	
	6523	1812	11.90		258.6		81.7	
-2°	9498	2638	6.73		212.9	315	81.7	
	8011	2225	11.07		278.2		86.8	
	7049	1958	12.73		299.0		81.7	
0°	10322	2867	7.55		259.8	400	81.7	
	8766	2435	11.69		321.9		86.7	
	7713	2143	13.56		348.4		81.7	
+2°	10986	3052	8.49		310.6	450	81.7	
	9384	2607	12.42		365.9		86.7	
	8354	2321	14.18		394.6		81.7	
+4°	11513	3198	9.31		357.2	450	81.7	
	10071	2797	12.93		409.0		86.7	
	8926	2480	14.49		430.9		81.7	

900HLB-60

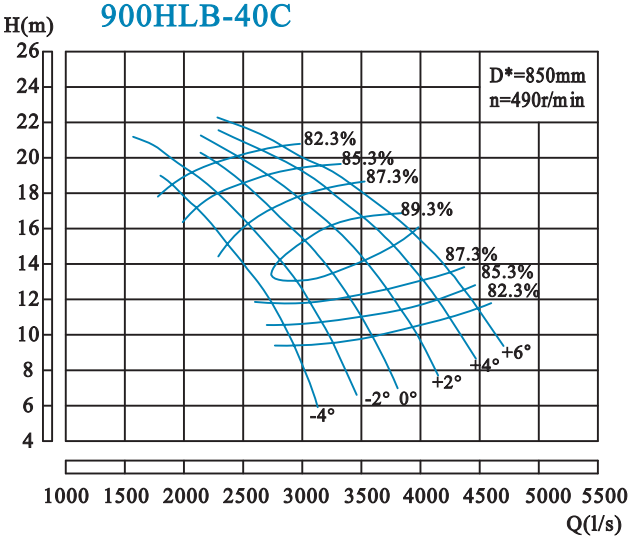


900HLB-60 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	7455	2071	7.44	590	183.2	220	82.4	750
	7095	1971	8.45		193.0		84.6	
	6592	1831	9.95		209.2		85.4	
-4°	8926	2480	6.81		200.8	285	82.4	
	7951	2209	9.39		230.1		88.3	
	6695	1860	11.72		259.3		82.4	
-2°	10068	2797	6.84		227.5	315	82.4	
	8824	2451	9.96		271.4		88.2	
	7381	2050	12.37		301.5		82.4	
0°	11549	3208	7.91		301.6	400	82.4	
	9931	2759	11.49		353.3		87.9	
	8647	2402	13.30		379.9		82.4	
+2°	12343	3429	8.47		345.6	450	82.4	
	10947	3041	11.47		389.6		87.7	
	9260	2572	13.61		416.3		82.4	

900HLB performance curve and data sheet

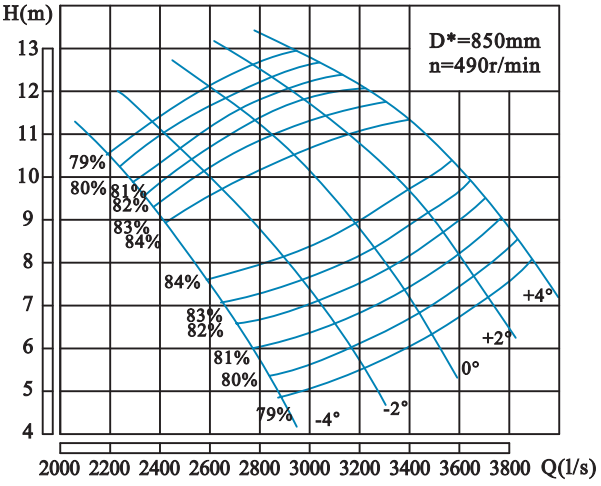
900HLB-40C



900HLB-40C 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	10543	2929	9.49	490	339.4	450	80.2	850
	9408	2613	13.17		390.2		86.5	
	7277	2022	17.78		429.9		81.9	
-2°	11705	3251	9.65		382.8	500	80.4	
	10598	2944	13.24		438.1		87.2	
	8744	2429	17.08		480.5		84.6	
0°	12895	3582	10.00		437.2	560	80.3	
	11068	3075	15.08		518.3		87.7	
	8938	2483	18.67		550.0		82.6	
+2°	14001	3889	10.91		508.5	630	81.8	
	12175	3382	15.33		579.1		87.7	
	9740	2706	19.03		605.7		83.3	
+4°	15164	4212	11.50		581.5	710	81.6	
	13199	3666	15.74		648.9		87.2	
	10847	3013	19.21		679.4		83.5	
+6°	15883	4412	12.07		634.6	800	82.3	
	13780	3828	16.64		714.7		87.3	
	11428	3174	19.52		730.3		83.1	

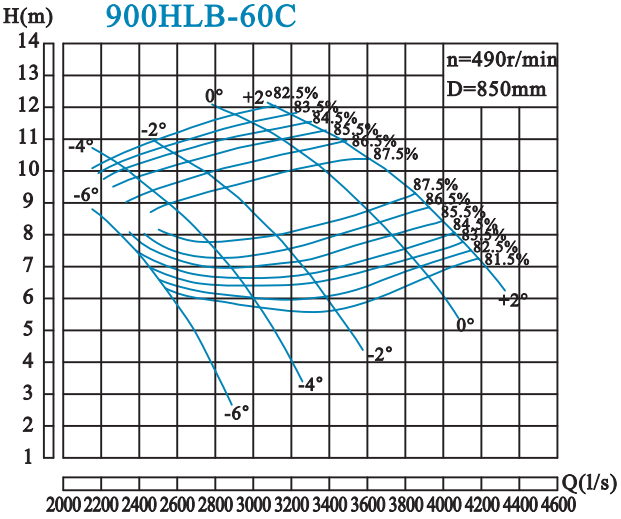
900HLB-50C



900HLB-50C 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	10294	2859	5.32	490	181.7	280	82.0	850
	8855	2460	8.98		248.9		87.0	
	7886	2191	10.54		276.0		82.0	
-2°	11483	3190	5.96		227.2	355	82.0	
	9685	2690	9.81		296.9		87.1	
	8523	2367	11.28		319.0		82.0	
0°	12480	3467	6.69		277.3	400	82.0	
	10598	2944	10.36		343.5		87.0	
	9325	2590	12.01		371.8		82.0	
+2°	13282	3689	7.52		331.5	450	82.0	
	11345	3151	11.00		390.5		87.0	
	10100	2806	12.56		421.1		82.0	
+4°	13918	3866	8.25		381.2	500	82.0	
	12175	3382	11.46		436.6		87.0	
	10792	2998	12.83		459.8		82.0	

900HLB-60C

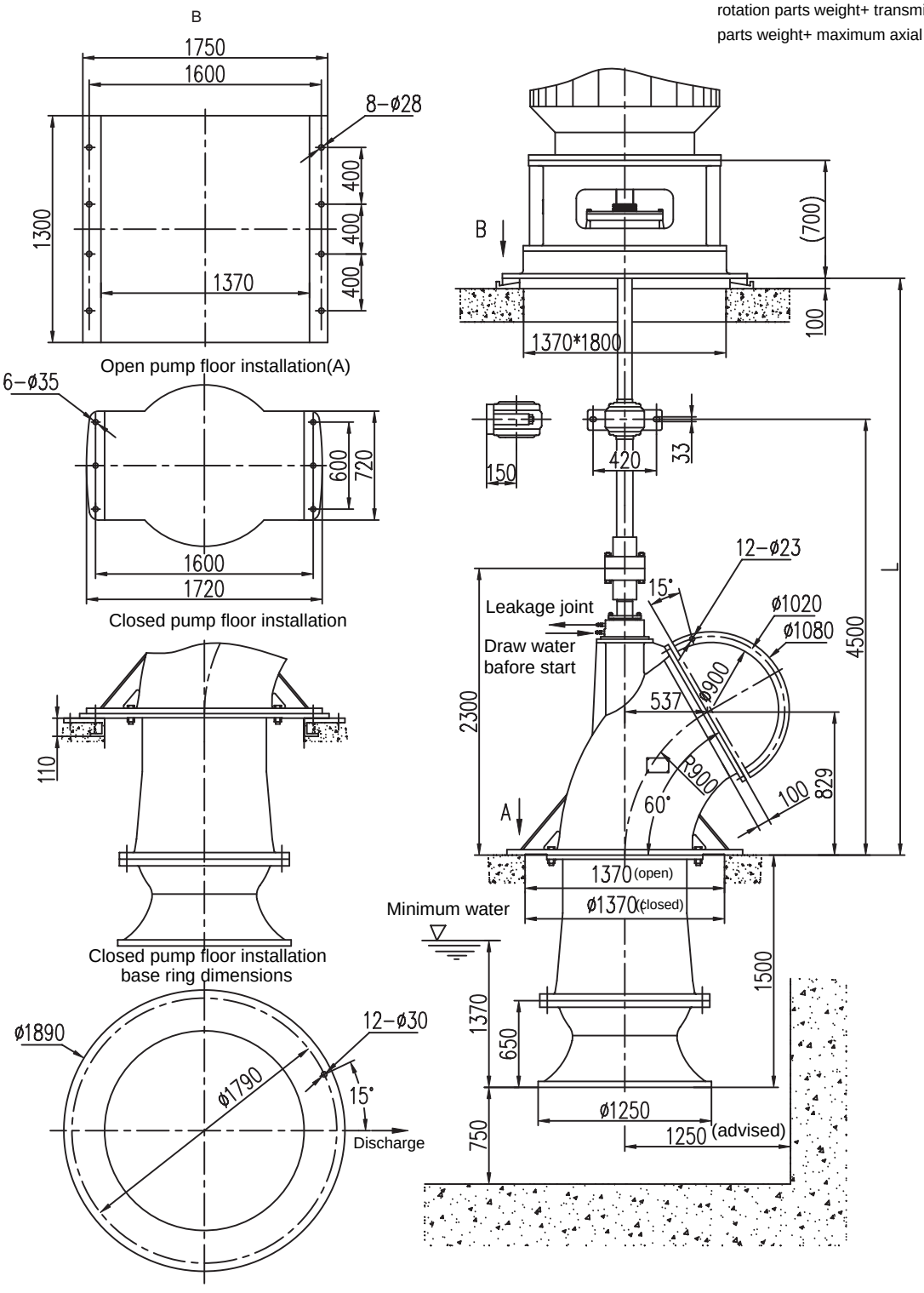


900HLB-60C 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	9012	2503	6.59	490	196.3	250	82.4	850
	8578	2383	7.49		206.7		84.6	
	7969	2214	8.82		224.0		85.4	
-4°	10792	2998	6.03		215.1	315	82.4	
	9613	2670	8.31		246.4		88.3	
	8094	2248	10.39		277.7		82.4	
-2°	12172	3381	6.06		243.7	355	82.4	
	10668	2963	8.83		290.7		88.2	
	8924	2479	10.96		323.0		82.4	
0°	13963	3879	7.00		323.1	450	82.4	
	12006	3335	10.18		378.4		87.9	
	10454	2904	11.78		406.9		82.4	
+2°	14923	4145	7.51		370.2	500	82.4	
	13235	3676	10.16		417.3		87.7	
	11196	3110	12.06		445.9		82.4	

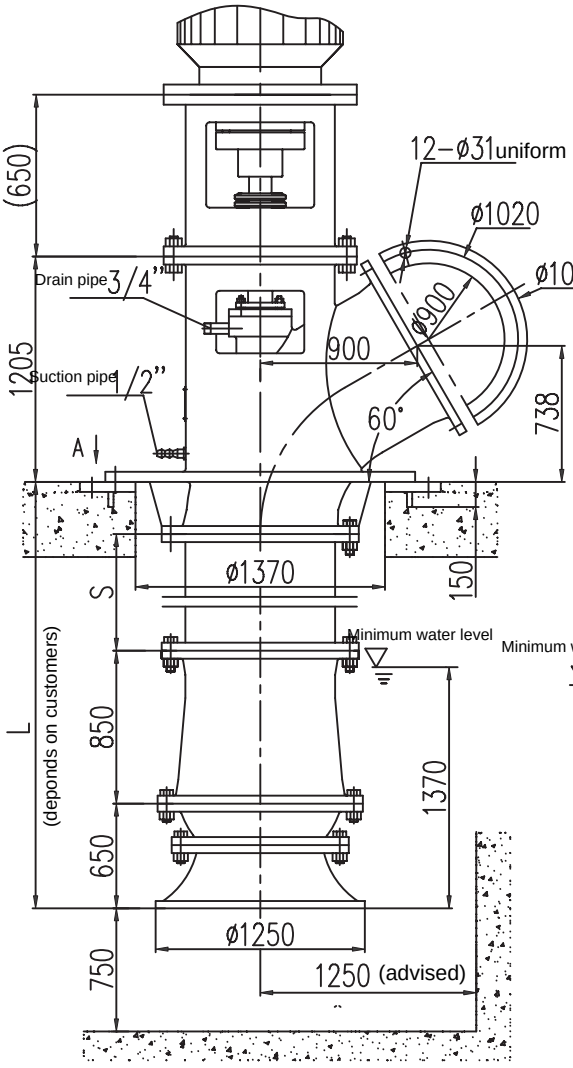
900HLB outside installation diagram

Model	Pump weight	Rotation parts weight	Transmission parts weight	Maximum axial force	Introduction
900HLB-40	2500	700	2300	11450	1, L is generally 2800-6000 and middle is needed if L is more than 4000.
900HLB-50(C)	2500	700	2300	8900	
900HLB-60	2500	700	2300	8170	2, Motor floor load = motor weight+ rotation parts weight+ transmission parts weight+ maximum axial force

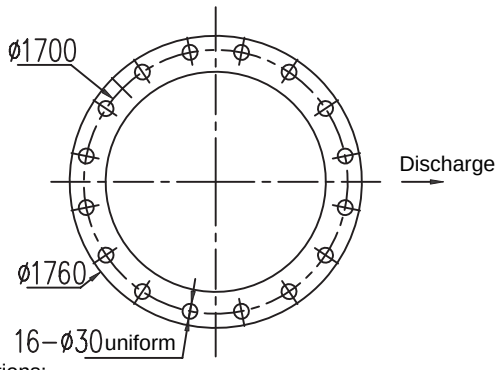


900HLB/X,900HLB/1X without transmission shaft outside installation diagram

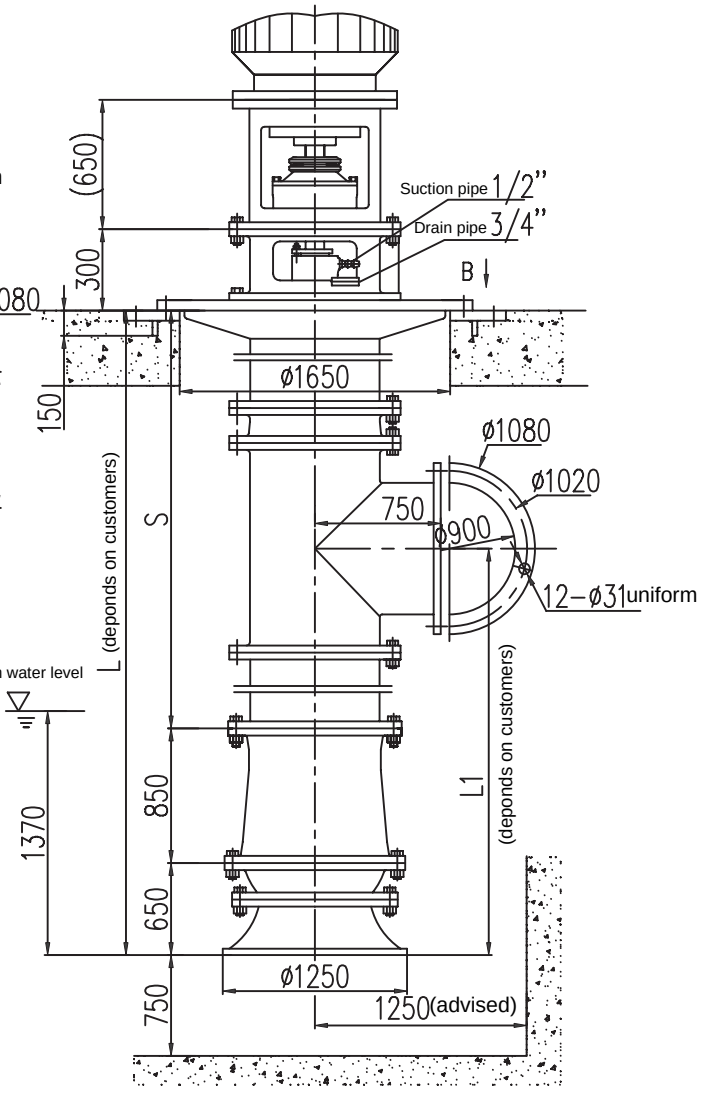
900HLB/X top discharge without transmission shaft installation(closed)



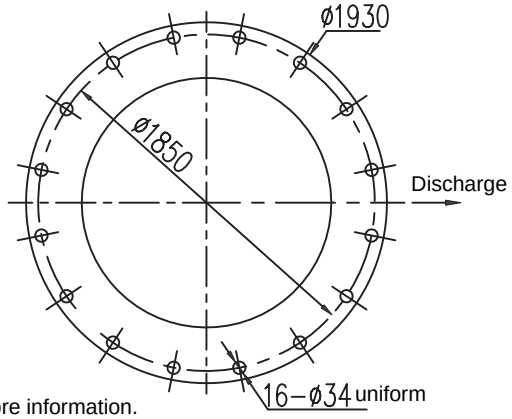
A (top discharge base ring)



900HLB/1X down discharge without transmission shaft installation(closed)



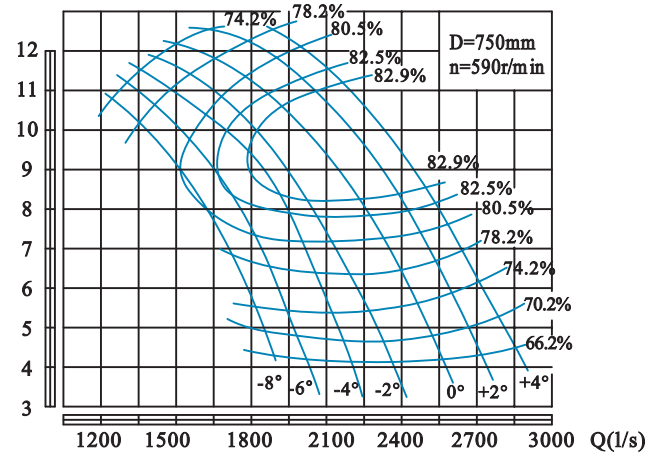
B (down discharge base ring)



Explanations:
1, If the s is longthened , middle bearing is needed and ask the tech sector for more information.
2, Pump floor load = pump weight+ axial force+ motor weight
3, Pump performacne data and the curve are similar with the related HLB pump.
4, Top discharge minimum L is 2010 and down discharge minimum L is 2750.

900ZLB performance data sheet and curve

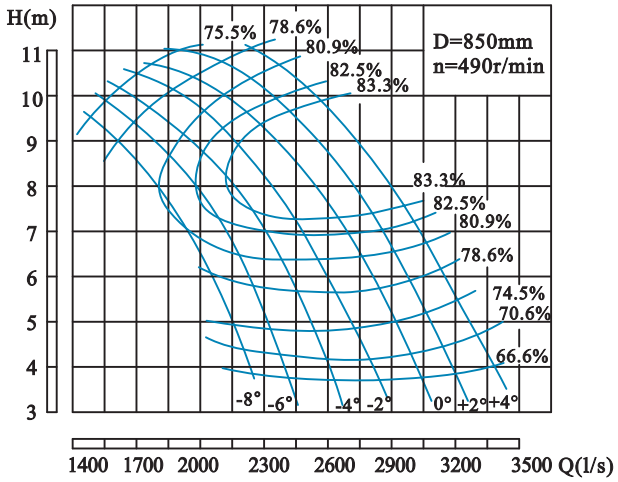
900ZLB-50



900ZLB-50 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量 Q Capacity (m^3/h)	流量 Q Capacity (l/s)	扬程 H Head (m)	转速 n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	7139	1983	4.90	590	135.5	200	70.2	750
	6024	1673	8.94		178.0		82.4	
	4769	1325	11.27		194.8		75.1	
-4°	7752	2153	4.80		144.4	220	70.2	
	6549	1819	9.22		196.6		83.6	
	4921	1367	11.79		210.4		75.1	
-2°	8293	2304	4.80		154.5	250	70.2	
	6746	1874	9.49		208.5		83.6	
	5164	1434	12.12		227.0		75.1	
0°	9037	2510	5.03		176.4		70.2	
	7495	2082	9.54		232.2		83.8	
	5984	1662	11.95		249.0		78.2	
+2°	9583	2662	5.15		191.3	280	70.2	
	7890	2192	9.78		251.3		83.6	
	6440	1789	12.35		276.9		78.2	
+4°	9948	2763	5.58		215.3	315	70.2	
	8294	2304	10.05		271.6		83.6	
	6744	1873	12.58		295.4		78.2	

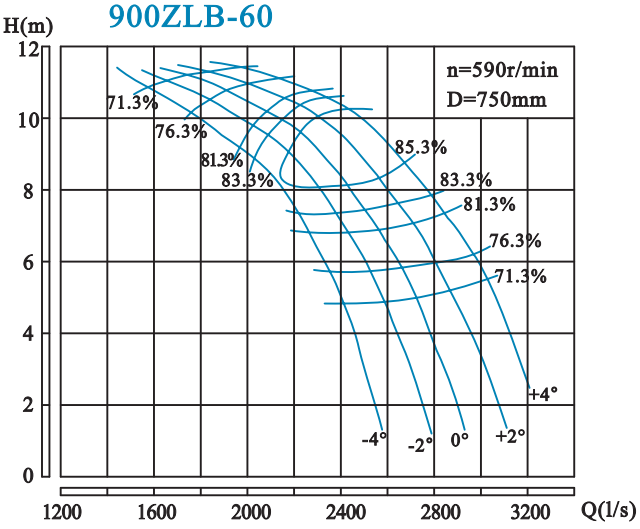
900ZLB-50C



900ZLB-50C 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量 Q Capacity (m^3/h)	流量 Q Capacity (l/s)	扬程 H Head (m)	转速 n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	8460	2350	4.28	490	139.6	220	70.6	850
	7140	1983	7.82		183.6		82.8	
	5652	1570	9.85		200.7		75.5	
-4°	9187	2552	4.20		148.8		70.6	
	7761	2156	8.06		202.7		84.0	
	5832	1620	10.31		216.8		75.5	
-2°	9918	2755	4.20		160.6	250	70.6	
	7995	2221	8.30		215.0		84.0	
	6120	1700	10.60		233.9		75.5	
0°	10710	2975	4.40		181.7	280	70.6	
	8882	2467	8.34		239.5		84.2	
	7092	1970	10.45		256.7		78.6	
+2°	11357	3155	4.50		197.1	315	70.6	
	9350	2597	8.55		259.1		84.0	
	7632	2120	10.80		285.5		78.6	
+4°	11790	3275	4.88		221.8		70.6	
	9830	2731	8.79		280.0		84.0	
	7992	2220	11.00		304.5		78.6	

900ZLB-60

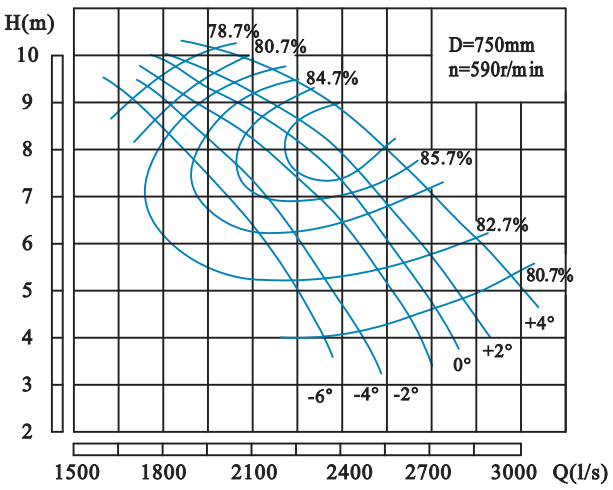


900ZLB-60 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量 Q Capacity (m^3/h)	流量 Q Capacity (l/s)	扬程 H Head (m)	转速 n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	8167	2269	6.76	590	185.4	250	81.1	750
	7532	2092	8.54		207.6		84.4	
	7019	1950	9.22		218.7		80.5	
-2°	8830	2453	6.59		196.8	280	80.5	
	8047	2235	8.65		220.9		85.8	
	7013	1948	10.05		242.1		79.2	
0°	9317	2588	6.61		208.6	280	80.4	
	8305	2307	9.09		239.0		86.0	
	7731	2148	9.98		252.7		83.1	
+2°	9758	2711	7.12		237.5	315	79.6	
	8620	2394	9.61		261.4		86.3	
	7646	2124	10.67		278.6		79.8	
+4°	10424	2895	6.92		245.9	315	79.9	
	9194	2554	9.66		280.6		86.1	
	8056	2238	10.88		300.0		79.5	

900ZLB performance data sheet and curve

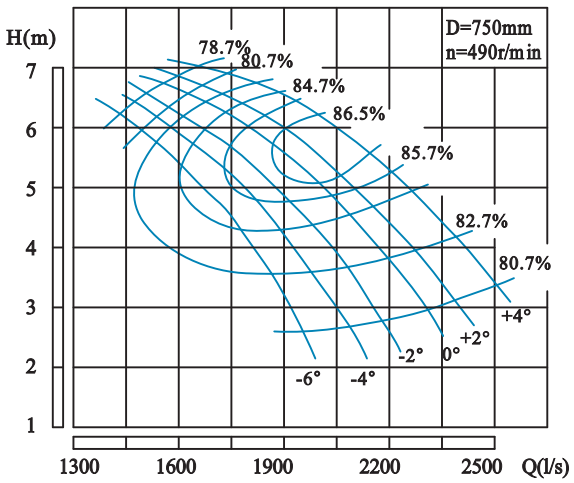
900ZLB-70



900ZLB-70 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	8240	2289	3.88	590	108.0	200	80.7	750
	7324	2034	6.83		160.9		84.7	
	6065	1685	8.80		184.7		78.7	
-4°	8812	2448	3.98		118.5	220	80.7	
	7507	2085	7.24		172.9		85.7	
	6294	1748	9.19		200.3		78.7	
-2°	9270	2575	4.14		129.6		80.7	
	7896	2193	7.55		189.7		85.7	
	6432	1787	9.31		207.4		78.7	
0°	9727	2702	4.45		146.2	250	80.7	
	8217	2282	7.89		203.7		86.7	
	6592	1831	9.62		219.6		78.7	
+2°	10071	2797	4.66		158.3		80.7	
	8423	2340	7.97		209.7		87.2	
	6660	1850	9.73		224.3		78.7	
+4°	10574	2937	5.07		181.0		80.7	
	8743	2429	8.49		233.2		86.7	
	7072	1965	9.93		243.3		78.7	

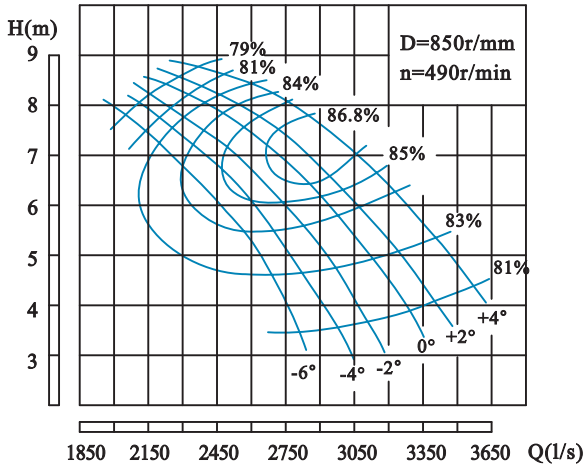
900ZLB-70



900ZLB-70 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	6981	1939	2.71	490	63.9	132	80.7	750
	6205	1724	4.77		95.3		84.7	
	5139	1427	6.15		109.4		78.7	
-4°	7466	2074	2.78		70.2		80.7	
	6360	1767	5.06		102.4		85.7	
	5333	1481	6.42		118.6		78.7	
-2°	7853	2182	2.89		76.7		80.7	
	6690	1858	5.28		112.3		85.7	
	5449	1514	6.51		122.8		78.7	
0°	8241	2289	3.11		86.5	160	80.7	
	6961	1934	5.51		120.6		86.7	
	5585	1551	6.73		130.1		78.7	
+2°	8532	2370	3.25		93.8		80.7	
	7136	1982	5.57		124.2		87.2	
	5643	1567	6.80		132.8		78.7	
+4°	8959	2489	3.54		107.2		80.7	
	7407	2058	5.93		138.1		86.7	
	5992	1664	6.94		144.1		78.7	

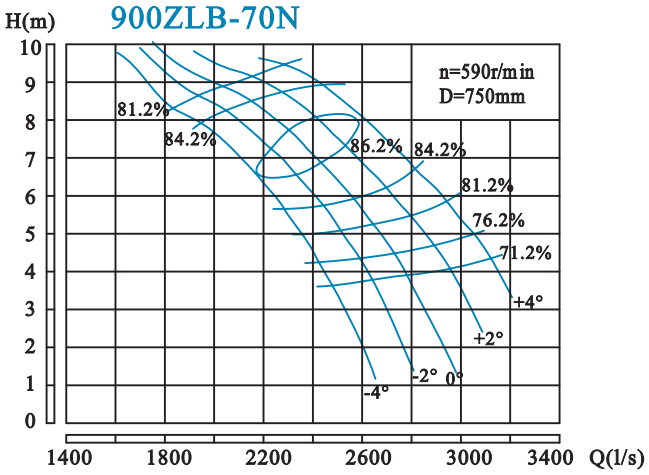
900ZLB-70C



900ZLB-70C 性能参数表 PERFORMANCE DATA

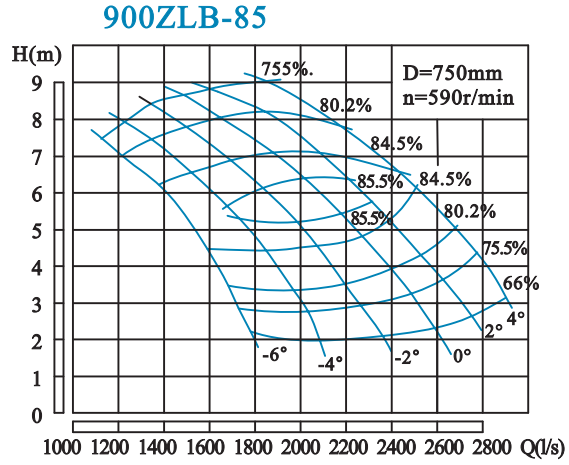
叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	9962	2767	3.44	490	115.2	220	81.0	850
	8855	2460	6.05		171.8		85.0	
	7333	2037	7.79		197.1		79.0	
-4°	10653	2959	3.53		126.5		81.0	
	9076	2521	6.42		184.6		86.0	
	7610	2114	8.14		213.7		79.0	
-2°	11207	3113	3.67		138.3	250	81.0	
	9546	2652	6.69		202.4		86.0	
	7776	2160	8.25		221.3		79.0	
0°	11760	3267	3.94		156.0		81.0	
	9934	2759	6.99		217.3		87.0	
	7969	2214	8.53		234.4		79.0	
+2°	12175	3382	4.13		169.0	280	81.0	
	10183	2829	7.06		223.9		87.5	
	8052	2237	8.62		239.4		79.0	
+4°	12784	3551	4.49		193.2		81.0	
	10570	2936	7.52		248.9		87.0	
	8550	2375	8.80		259.6		79.0	

900ZLB performance data sheet and curve



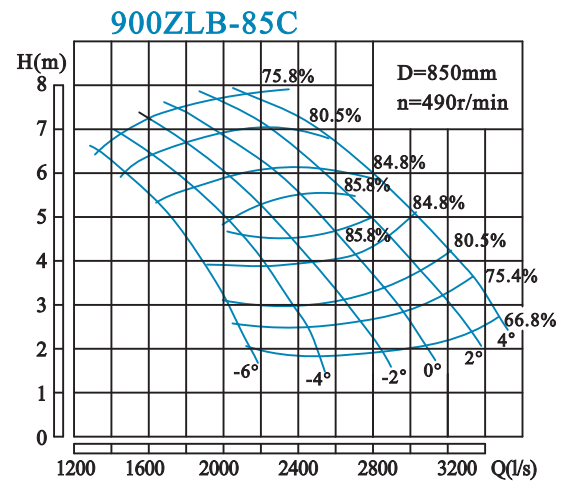
900ZLB-70N 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	8457	2349	5.08	590	143.3	200	81.7	750
	7716	2143	6.78		165.2		86.2	
	6444	1790	8.48		188.0		79.2	
-2°	9126	2535	4.87		151.6	220	79.8	
	8201	2278	6.97		180.1		86.4	
	6849	1903	8.76		203.4		80.3	
0°	9630	2675	5.01		165.0	250	79.5	
	8411	2336	7.51		198.2		86.8	
	7225	2007	8.98		220.4		80.1	
+2°	10195	2832	5.20		180.9	250	79.7	
	8846	2457	7.79		217.2		86.4	
	7697	2138	9.20		239.6		80.4	
+4°	10783	2995	5.41		201.5	280	78.8	
	9450	2625	7.95		238.2		85.8	
	8490	2358	9.27		258.2		82.9	



900ZLB-85 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	6326	1757	2.93	590	66.9	132	75.5	750
	5783	1606	4.45		83.0		84.5	
	4084	1134	7.50		110.5		75.5	
-4°	7329	2036	2.83		74.8		75.5	
	6254	1737	5.45		108.6		85.5	
	4473	1243	7.96		128.5		75.5	
-2°	8240	2289	2.93		87.1	160	75.5	
	7114	1976	5.35		121.2		85.5	
	4924	1368	8.34		148.1		75.5	
0°	8864	2462	3.19		102.2	185	75.5	
	7800	2167	5.55		136.4		86.5	
	5415	1504	8.65		169.1		75.5	
+2°	9479	2633	3.67		125.7	200	75.5	
	8332	2314	5.93		157.4		85.5	
	5906	1641	8.91		189.9		75.5	
+4°	10082	2801	4.12		150.0	220	75.5	
	8516	2366	6.70		184.1		84.5	
	6449	1791	8.90		207.1		75.5	

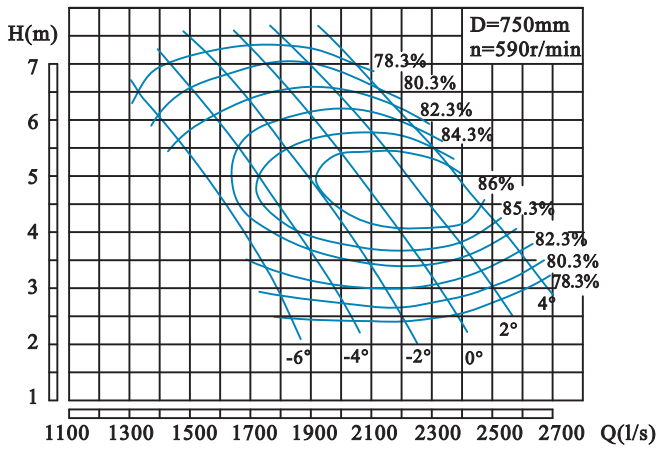


900ZLB-85C 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	7497	2082	2.56	490	69.0	132	75.8	850
	6854	1904	3.89		85.7		84.8	
	4840	1345	6.56		114.1		75.8	
-4°	8686	2413	2.47		77.1	160	75.8	
	7412	2059	4.76		112.1		85.8	
	5301	1473	6.96		132.6		75.8	
-2°	9765	2713	2.56		89.9		75.8	
	8431	2342	4.67		125.2		85.8	
	5835	1621	7.29		152.9		75.8	
0°	10505	2918	2.79		105.4	185	75.8	
	9244	2568	4.85		140.8		86.8	
	6417	1783	7.56		174.5		75.8	
+2°	11233	3120	3.21		129.7	200	75.8	
	9875	2743	5.18		162.5		85.8	
	7000	1944	7.79		195.9		75.8	
+4°	11949	3319	3.60		154.8	220	75.8	
	10093	2804	5.86		190.1		84.8	
	7642	2123	7.78		213.7		75.8	

900ZLB performance data sheet and curve

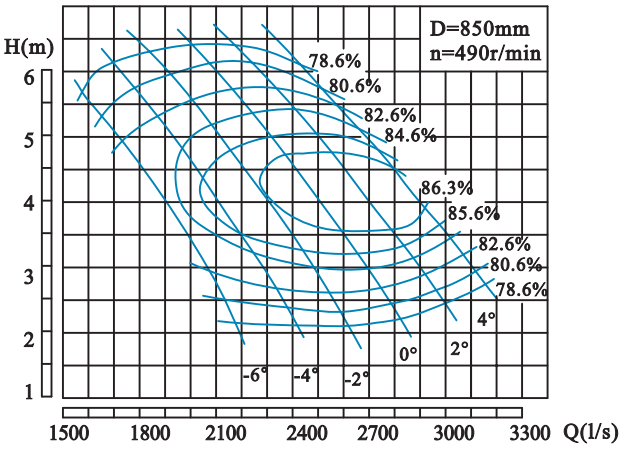
900ZLB-100



900ZLB-100 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m³/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	6468	1797	2.88	590	63.3	110	80.3	750
	5837	1621	4.23		79.7		84.3	
	5020	1394	6.08		103.6		80.3	
-4°	7238	2011	2.73		67.0	132	80.3	
	6538	1816	4.30		89.7		85.4	
	5417	1505	6.61		121.4		80.3	
-2°	7869	2186	2.67		71.4	160	80.3	
	7121	1978	4.40		99.4		86.0	
	5837	1621	6.82		135.0		80.3	
0°	8429	2341	2.75		78.6		80.3	
	7705	2140	4.41		107.4		86.3	
	6304	1751	6.97		149.2		80.3	
+2°	8989	2497	3.04		92.8	185	80.3	
	8172	2270	4.65		119.2		86.8	
	6818	1894	7.00		162.1		80.3	
+4°	9480	2633	3.36		107.9		80.3	
	8756	2432	4.67		128.7		86.5	
	7588	2108	6.66		171.5		80.3	

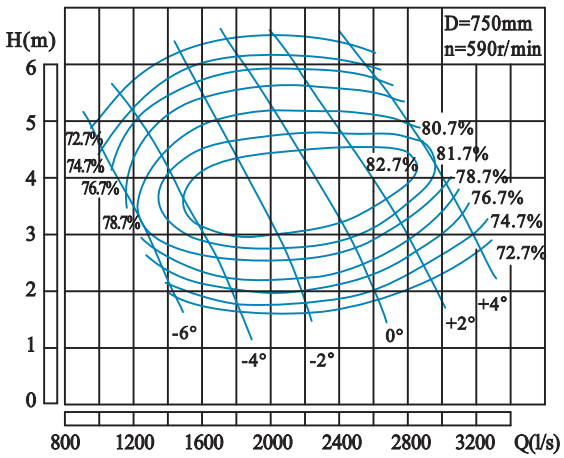
900ZLB-100C



900ZLB-100C 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m³/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	7665	2129	2.52	490	65.3	110	80.6	850
	6918	1922	3.69		82.3		84.6	
	5949	1653	5.32		106.9		80.6	
-4°	8578	2383	2.38		69.1	132	80.6	
	7748	2152	3.76		92.6		85.7	
	6420	1783	5.78		125.4		80.6	
-2°	9325	2590	2.34		73.7	160	80.6	
	8440	2344	3.85		102.6		86.3	
	6918	1922	5.96		139.4		80.6	
0°	9989	2775	2.40		81.1		80.6	
	9131	2537	3.86		110.9		86.6	
	7471	2075	6.10		154.0		80.6	
+2°	10653	2959	2.66		95.8	185	80.6	
	9685	2690	4.06		123.1		87.1	
	8080	2244	6.12		167.3		80.6	
+4°	11234	3121	2.93		111.4		80.6	
	10377	2882	4.08		132.9		86.8	
	8993	2498	5.82		177.0		80.6	

900ZLB-125

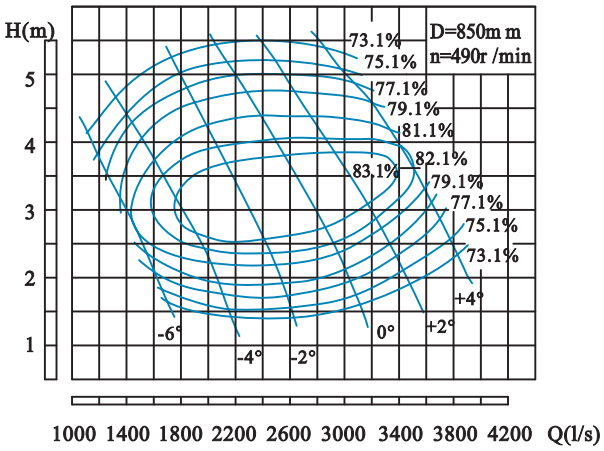


900ZLB-125 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m³/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	6421	1784	1.73	590	40.5	90	74.7	750
	5790	1608	3.18		60.2		83.2	
	4249	1180	5.24		81.2		74.7	
-2°	7985	2218	1.68		48.8	132	74.7	
	7168	1991	3.29		76.9		83.6	
	5370	1492	5.87		114.9		74.7	
0°	9339	2594	1.99		67.8	160	74.7	
	8452	2348	3.59		98.0		84.2	
	6421	1784	6.08		142.3		74.7	
+2°	10390	2886	2.25		85.4	185	74.7	
	9386	2607	3.75		114.7		83.6	
	7472	2075	6.08		165.6		74.7	
+4°	11324	3146	2.94		121.2	200	74.7	
	10647	2958	4.40		154.9		82.4	
	9059	2516	5.92		195.6		74.7	

900ZLB performance data sheet and curve

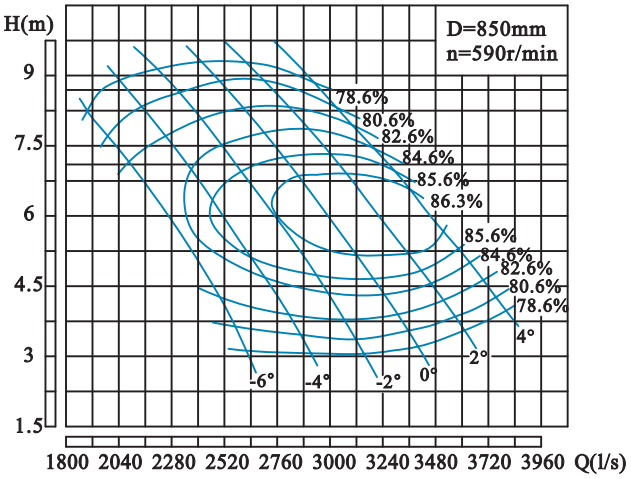
900ZLB-125C



900ZLB-125C 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	7610	2114	1.51	490	41.7	90	75.1	850
	6862	1906	2.78		62.6		82.9	
	5036	1399	4.58		84.5		74.4	
-2°	9463	2629	1.47		50.8	132	74.4	
	8495	2360	2.88		79.9		83.3	
	6364	1768	5.13		119.5		74.4	
0°	11068	3075	1.74		70.5	160	74.4	
	10017	2782	3.14		101.1		84.6	
	7610	2114	5.32		148.0		74.4	
+2°	12314	3420	1.97		88.8	185	74.4	
	11124	3090	3.28		119.3		83.3	
	8855	2460	5.32		172.3		74.4	
+4°	13420	3728	2.57		126.0	220	74.4	
	12618	3505	3.85		161.1		82.1	
	10736	2982	5.18		203.5		74.4	

900ZLB-100C

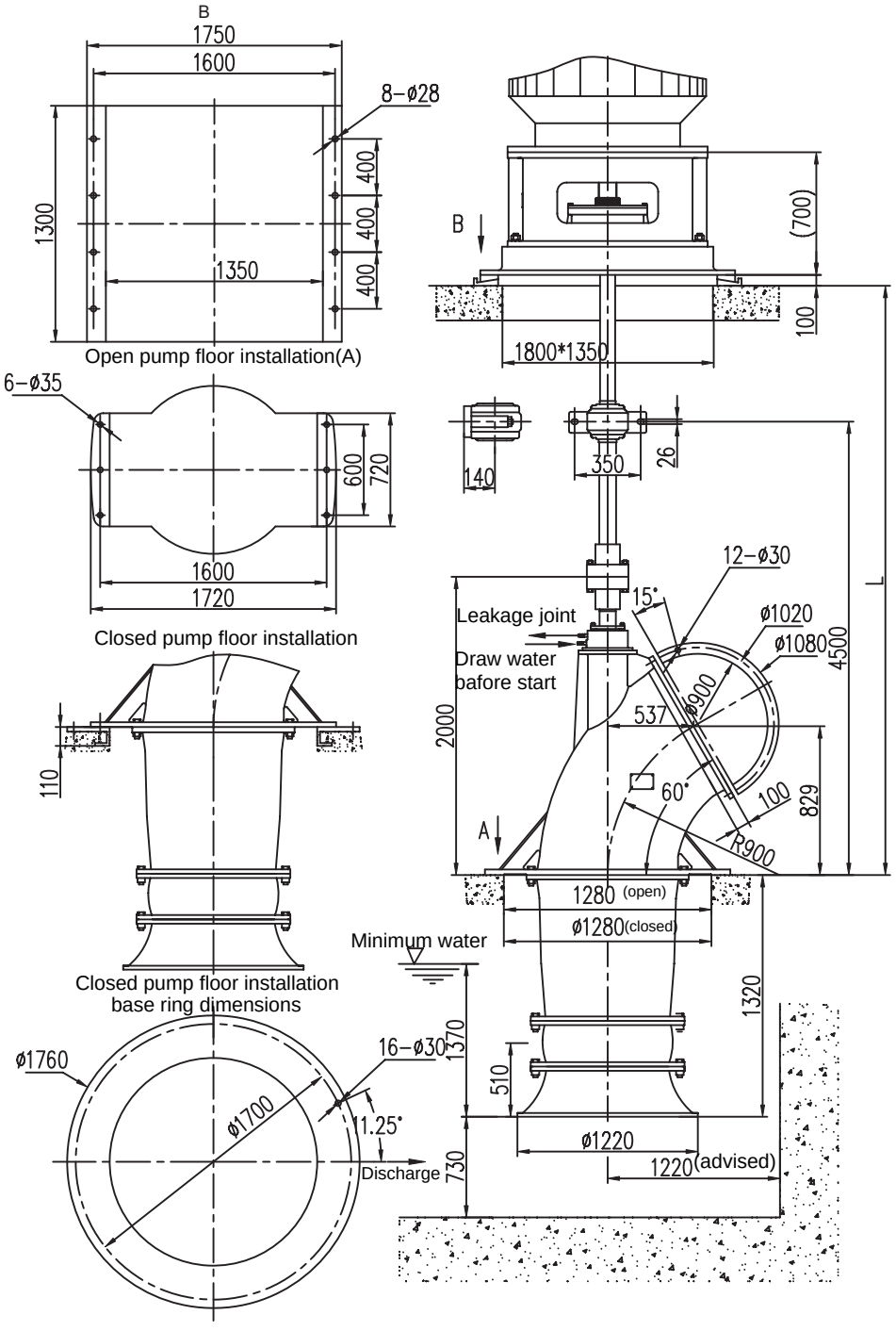


900ZLB-100C 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	9229	2564	3.66	590	114.0	200	80.6	850
	8330	2314	5.36		143.7		84.6	
	7163	1990	7.71		186.7		80.6	
-4°	10329	2869	3.46		120.7	220	80.6	
	9329	2591	5.45		161.6		85.7	
	8063	2240	7.97		217.4		80.6	
-2°	11228	3119	3.39		128.7	250	80.6	
	10162	2823	5.58		179.1		86.3	
	8330	2314	8.64		243.3		80.6	
0°	12028	3341	3.48		141.6	280	80.6	
	10995	3054	5.60		193.6		86.6	
	8996	2499	8.84		268.8		80.6	
+2°	12827	3563	3.85		167.2	280	80.6	
	11661	3239	5.89		214.8		87.1	
	10395	2888	7.97		273.5		82.6	
+4°	13527	3758	4.25		194.5	315	80.6	
	12494	3471	5.91		232.0		86.8	
	11162	3100	7.97		293.6		82.6	

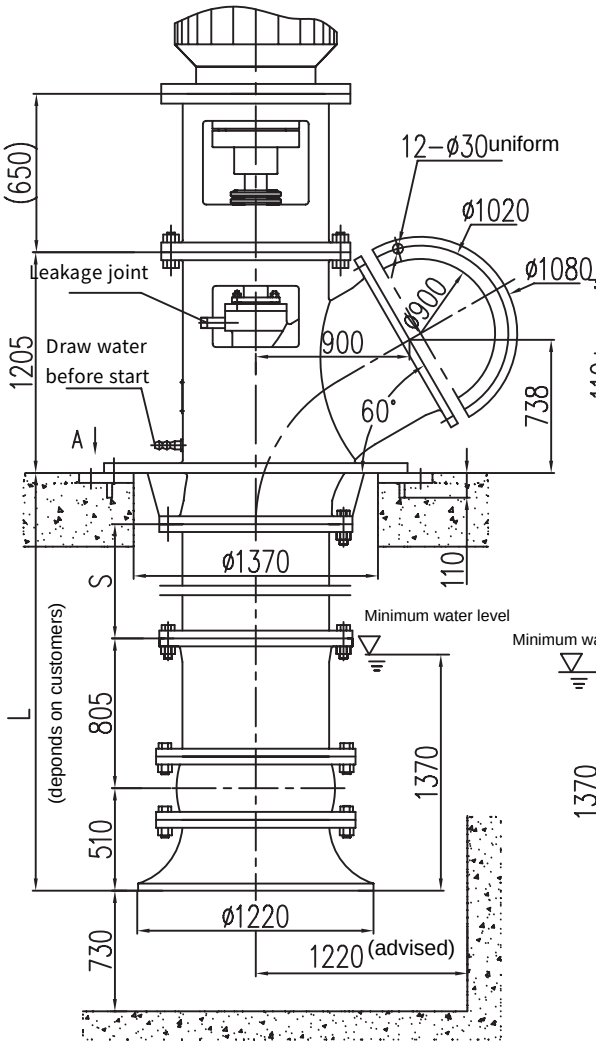
900ZLB outside installation diagram

Model	Pump weight	Rotation parts weight	Transmission parts weight	Maximum axial force	Introduction
900ZLB-50(C)	2200	650	1900	6900	1, L is generally 2500-7000 and middle is needed if L is more than 5500. 2, Motor floor load = motor weight+ rotation parts weight+ transmission parts weight+ maximum axial force
900ZLB-60	2200	650	1900	6700	
900ZLB-70(C)	2200	650	1900	6500	
900ZLB-70N	2200	650	1900	4400	
900ZLB-85©	2200	650	1900	4750	
900ZLB-100(C)	2200	650	1900	4200	
900ZLB-125©	2200	650	1900	3600	

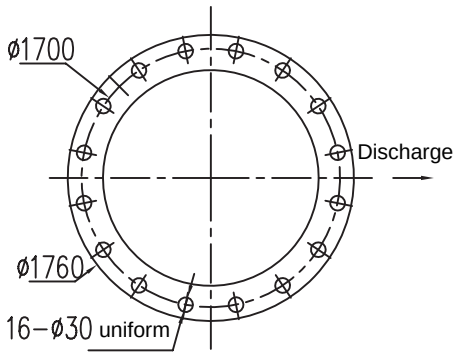


900ZLB/X,900ZLB/1X without transmission shaft outside installation diagram

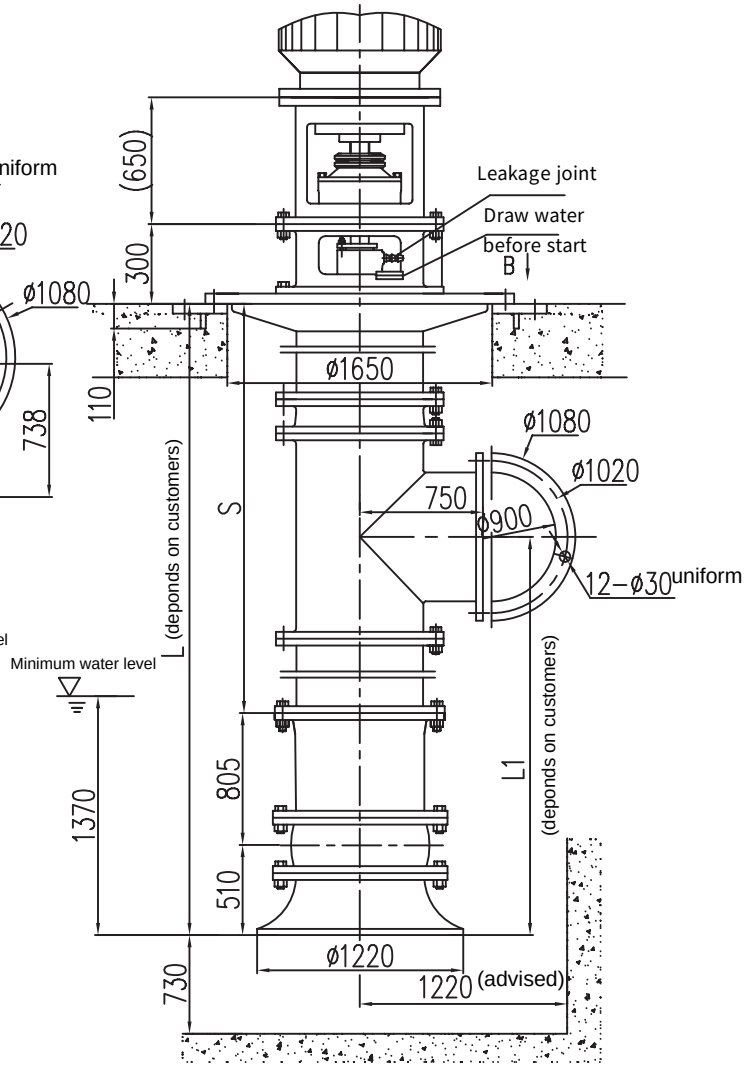
900ZLB/X top discharge without transmission shaft installation(closed)



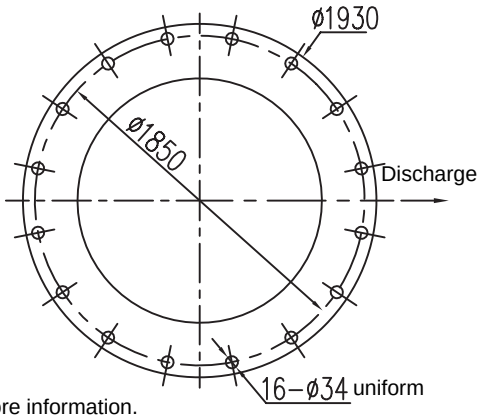
A (top discharge base ring)



900ZLB/1X down discharge without transmission shaft installation(closed)

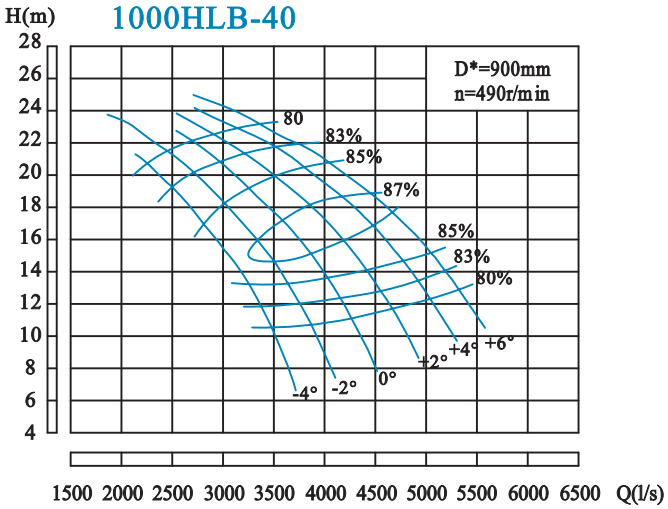


B (down discharge base ring)



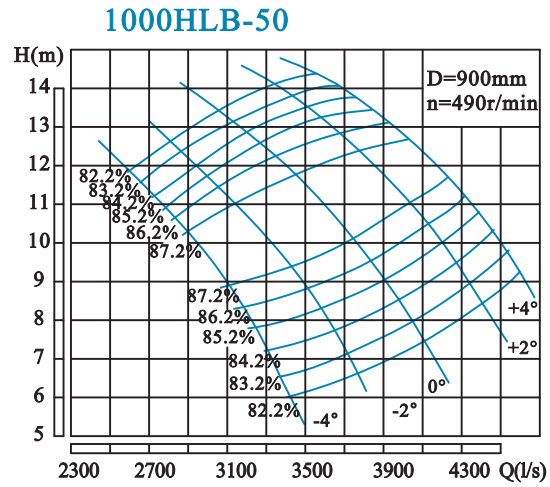
Explanations:
1, If the s is longthened , middle bearing is needed and ask the tech sector for more information.
2, Pump floor load = pump weight+ axial force+ motor weight
3, Pump performacne data and the curve are similar with the related ZLB pump.
4, Top discharge minimum L is 2010 and down discharge minimum L is 2750.

1000HLB performance curve and data sheet



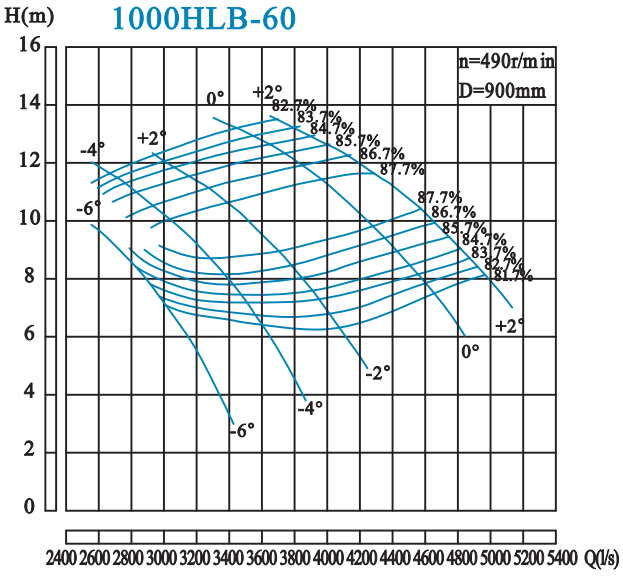
1000HLB-40 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	12515	3476	10.64	490	451.7	630	80.2	900
	11168	3102	14.77		519.3		86.5	
	8639	2400	19.93		572.1		81.9	
-2°	13894	3860	10.82		509.4	710	80.4	
	12580	3495	14.84		583.0		87.2	
	10380	2883	19.15		639.5		84.6	
0°	15307	4252	11.21		581.9	800	80.3	
	13139	3650	16.91		689.7		87.7	
	10610	2947	20.93		731.9		82.6	
+2°	16621	4617	12.23		676.7	900	81.8	
	14453	4015	17.18		770.7		87.7	
	11562	3212	21.34		806.1		83.3	
+4°	18000	5000	12.89		773.8	1000	81.6	
	15668	4352	17.65		863.6		87.2	
	12876	3577	21.53		904.2		83.5	
+6°	18854	5237	13.54		844.6	1000	82.3	
	16358	4544	18.65		951.2		87.3	
	13566	3768	21.88		971.9		83.1	



1000HLB-50 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	12219	3394	5.96	490	241.2	400	82.2	900
	10511	2920	10.07		330.5		87.2	
	9361	2600	11.82		366.4		82.2	
-2°	13631	3787	6.68		301.6	450	82.2	
	11496	3193	11.00		394.2		87.3	
	10117	2810	12.64		423.5		82.2	
0°	14814	4115	7.50		368.1	500	82.2	
	12580	3495	11.61		456.3		87.2	
	11069	3075	13.46		493.6		82.2	
+2°	15767	4380	8.43		440.0	560	82.2	
	13467	3741	12.33		518.5		87.2	
	11989	3330	14.08		559.1		82.2	
+4°	16522	4589	9.25		506.1	630	82.2	
	14453	4015	12.85		579.6		87.2	
	12810	3558	14.39		610.4		82.2	



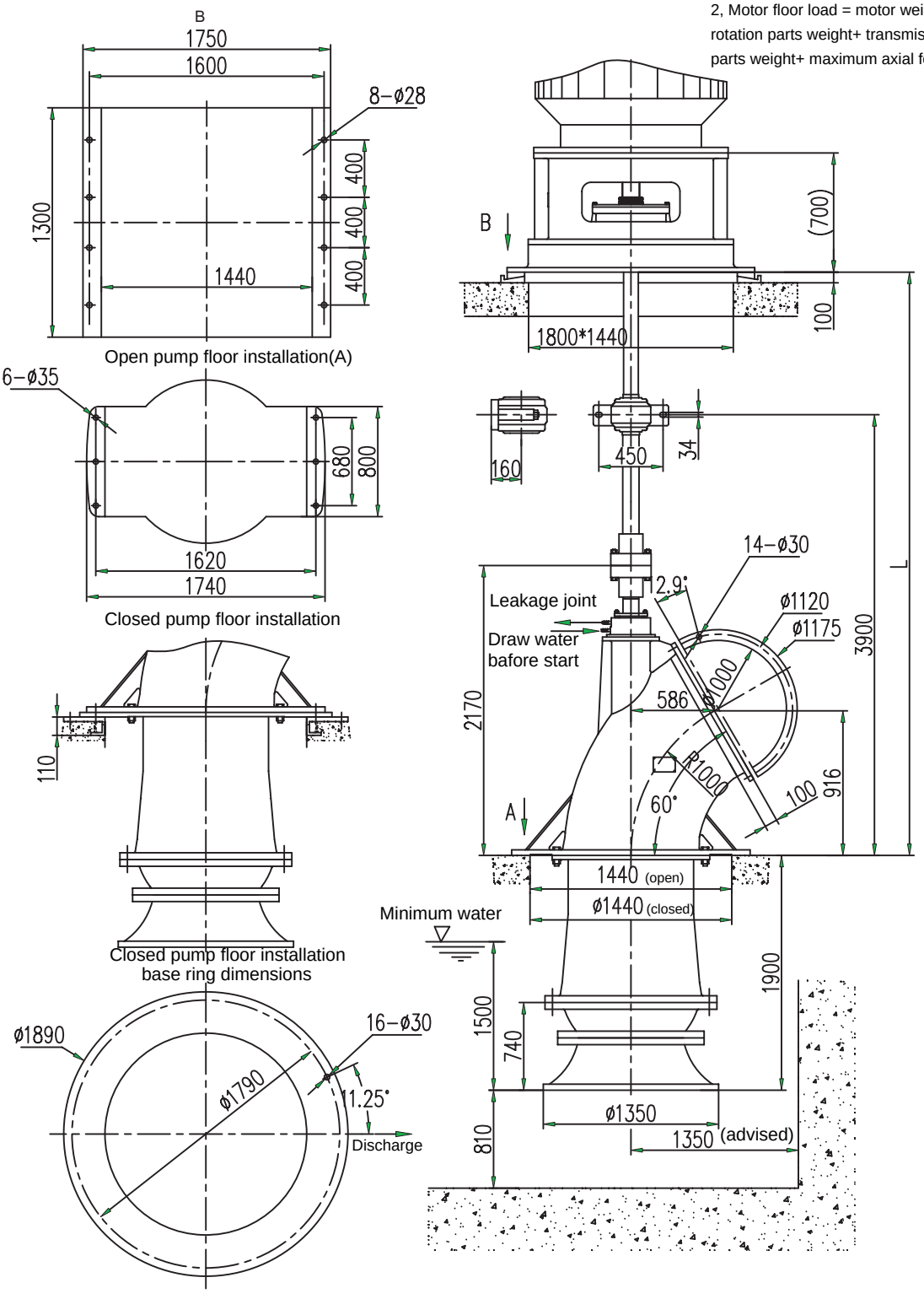
1000HLB-60 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	10698	2972	7.39	490	259.9	315	82.8	900
	10183	2828	8.40		273.8		85.0	
	9460	2628	9.89		296.8		85.8	
-4°	12810	3558	6.76		284.8	400	82.8	
	11411	3170	9.32		326.5		88.7	
	9608	2669	11.64		367.8		82.8	
-2°	14449	4014	6.79		322.7	450	82.8	
	12663	3518	9.90		385.1		88.6	
	10593	2943	12.28		427.7		82.8	
0°	16575	4604	7.85		427.9	560	82.8	
	14252	3959	11.41		501.3		88.3	
	12410	3447	13.21		538.8		82.8	
+2°	17714	4921	8.42		490.2	630	82.8	
	15711	4364	11.39		552.8		88.1	
	13290	3692	13.52		590.5		82.8	

1000HLB outside installation diagram

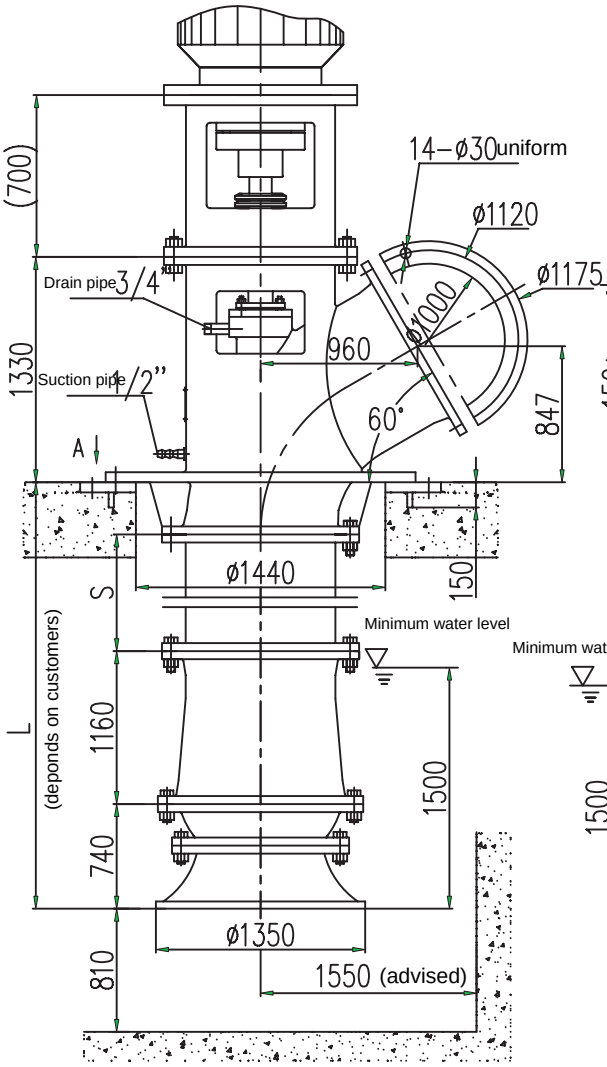
Model	Pump weight	Rotation parts weight	Transmission parts weight	Maximum axial force	Introduction
1000HLB-40	3500	1100	2500	13350	1, L is generally 4000-8000 and middle is needed if L is more than 6000.
1000HLB-50	3500	1100	2500	11780	
1000HLB-60	3500	1100	2500	10200	

2, Motor floor load = motor weight+ rotation parts weight+ transmission parts weight+ maximum axial force

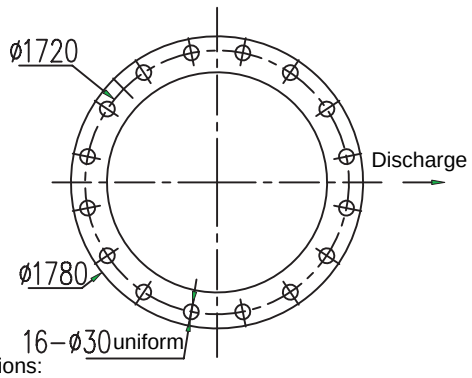


1000HLB/X,1000HLBLB/1X without transmission shaft outside installation diagram

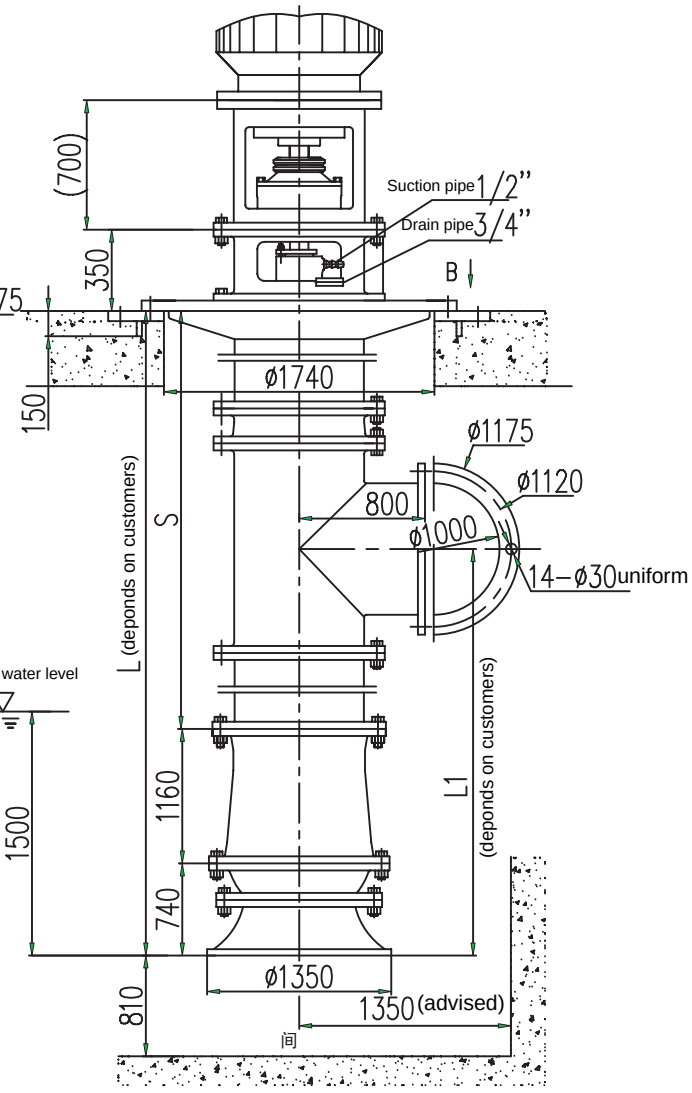
1000HLB/X top discharge without transmission shaft installation(closed)



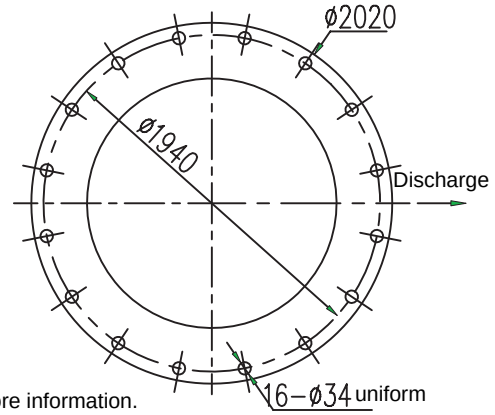
A (top discharge base ring)



1000HLB/1X down discharge without transmission shaft installation(closed)



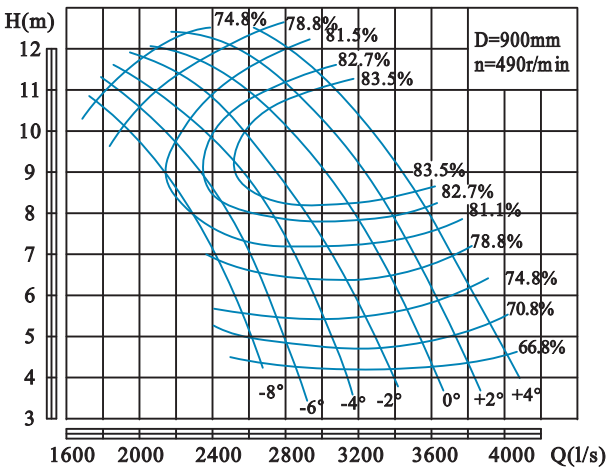
B (down discharge base ring)



Explanations:
1, If the s is longthened , middle bearing is needed and ask the tech sector for more information.
2, Pump floor load = pump weight+ axial force+ motor weight
3, Pump performacne data and the curve are similar with the related HLB pump.
4, Top discharge minimum L is 2400 and down discharge minimum L is 3100.

1000ZLB performance data sheet and curve

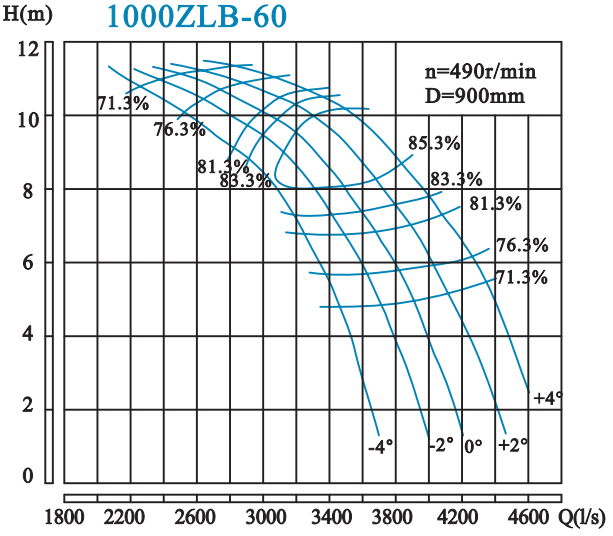
1000ZLB-50



1000ZLB-50 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	10042	2790	4.80	490	185.3	280	70.8	900
	8475	2354	8.77		243.7		83.0	
	6709	1864	11.04		266.4		75.7	
-4°	10905	3029	4.71		197.4	315	70.8	
	9213	2559	9.04		269.1		84.2	
	6923	1923	11.56		287.8		75.7	
-2°	11773	3270	4.71		213.1		70.8	
	9490	2636	9.31		285.5		84.2	
	7265	2018	11.88		310.5		75.7	
0°	12713	3531	4.93		241.1	355	70.8	
	10544	2929	9.35		318.0		84.4	
	8419	2338	11.72		340.7		78.8	
+2°	13482	3745	5.04		261.5	400	70.8	
	11099	3083	9.59		344.0		84.2	
	9060	2517	12.11		378.9		78.8	
+4°	13995	3888	5.47		294.4	450	70.8	
	11669	3241	9.85		371.8		84.2	
	9487	2635	12.33		404.2		78.8	

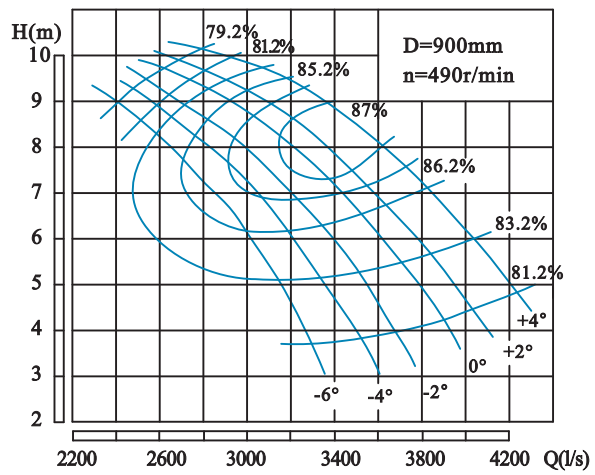
1000ZLB-60



1000ZLB-60 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	11721	3256	6.71	490	264.2	315	81.1	900
	10809	3002	8.49		296.0		84.4	
	10073	2798	9.16		311.8		80.5	
-2°	12672	3520	6.55		280.6	355	80.5	
	11548	3208	8.60		314.9		85.8	
	10064	2796	9.98		345.0		79.2	
0°	13371	3714	6.57		297.3	400	80.4	
	11918	3311	9.03		340.7		86.0	
	11095	3082	9.91		360.3		83.1	
+2°	14004	3890	7.07		338.6	400	79.6	
	12370	3436	9.55		372.7		86.3	
	10973	3048	10.60		397.1		79.8	
+4°	14959	4155	6.88		350.5	450	79.9	
	13194	3665	9.59		400.0		86.1	
	11561	3211	10.80		427.6		79.5	

1000ZLB-70

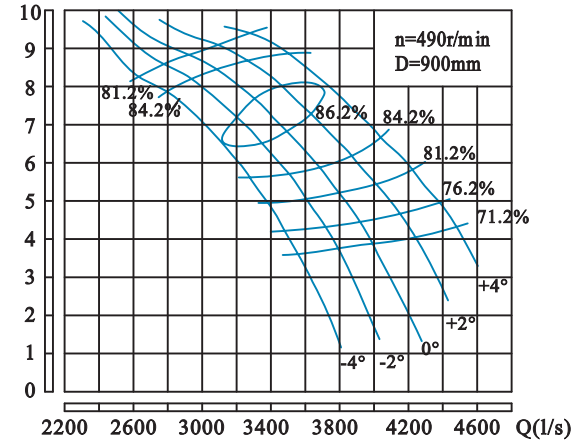


1000ZLB-70 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	11825	3285	3.85	490	152.9	280	81.2	900
	10511	2920	6.78		228.0		85.2	
	8704	2418	8.74		261.6		79.2	
-4°	12646	3513	3.96		167.9	315	81.2	
	10774	2993	7.19		245.0		86.2	
	9033	2509	9.13		283.6		79.2	
-2°	13303	3695	4.11		183.5		81.2	
	11332	3148	7.50		268.8		86.2	
	9230	2564	9.25		293.8		79.2	
0°	13960	3878	4.42		207.0	355	81.2	
	11792	3276	7.83		288.7		87.2	
	9460	2628	9.56		311.1		79.2	
+2°	14453	4015	4.62		224.3	355	81.2	
	12088	3358	7.91		297.2		87.7	
	9558	2655	9.66		317.7		79.2	
+4°	15175	4215	5.04		256.5	355	81.2	
	12548	3485	8.43		330.5		87.2	
	10150	2819	9.87		344.6		79.2	

1000ZLB performance data sheet and curve

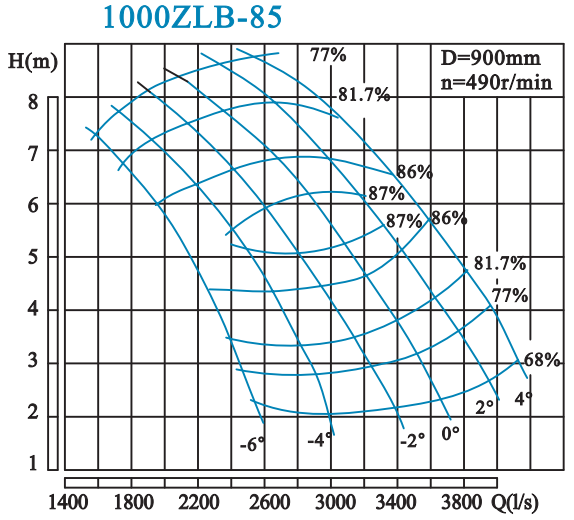
1000ZLB-70N



1000ZLB-70N 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	12137	3371	5.05	490	207.3	280	80.5	900
	11073	3076	6.73		238.8		85.0	
	9248	2569	8.43		272.1		78.0	
-2°	13097	3638	4.83		219.4	315	78.6	
	11769	3269	6.92		260.3		85.2	
	9829	2730	8.70		294.4		79.1	
0°	13820	3839	4.97		238.9	355	78.3	
	12071	3353	7.46		286.5		85.6	
	10368	2880	8.91		319.0		78.9	
+2°	14631	4064	5.16		261.8	355	78.5	
	12695	3526	7.74		314.0		85.2	
	11046	3068	9.13		346.6		79.2	
+4°	15475	4299	5.37		291.6	400	77.6	
	13561	3767	7.89		344.3		84.6	
	12184	3385	9.20		373.5		81.7	

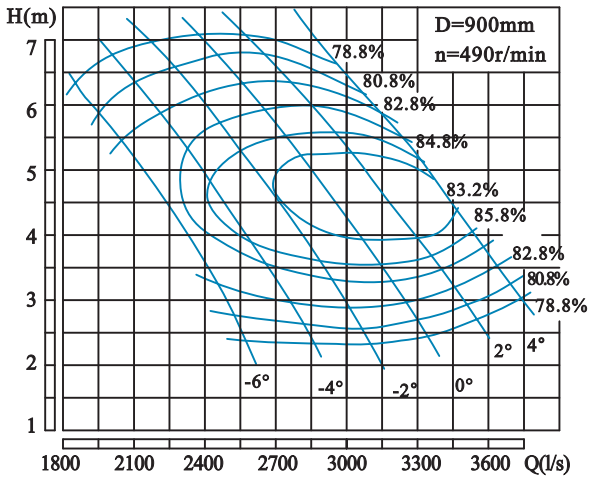
1000ZLB-85



1000ZLB-85 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	8899	2472	2.87	490	90.4	160	77.0	900
	8136	2260	4.36		112.4		86.0	
	5746	1596	7.35		149.5		77.0	
-4°	10310	2864	2.77		101.1	185	77.0	
	8798	2444	5.34		147.2		87.0	
	6293	1748	7.80		173.7		77.0	
-2°	11592	3220	2.87		117.7	220	77.0	
	10008	2780	5.24		164.3		87.0	
	6926	1924	8.17		200.3		77.0	
0°	12470	3464	3.13		138.1	250	77.0	
	10973	3048	5.44		184.9		88.0	
	7618	2116	8.48		228.6		77.0	
+2°	13334	3704	3.60		169.9	280	77.0	
	11722	3256	5.81		213.3		87.0	
	8309	2308	8.73		256.7		77.0	
+4°	14184	3940	4.04		202.8	315	77.0	
	11981	3328	6.57		249.4		86.0	
	9072	2520	8.72		280.0		77.0	

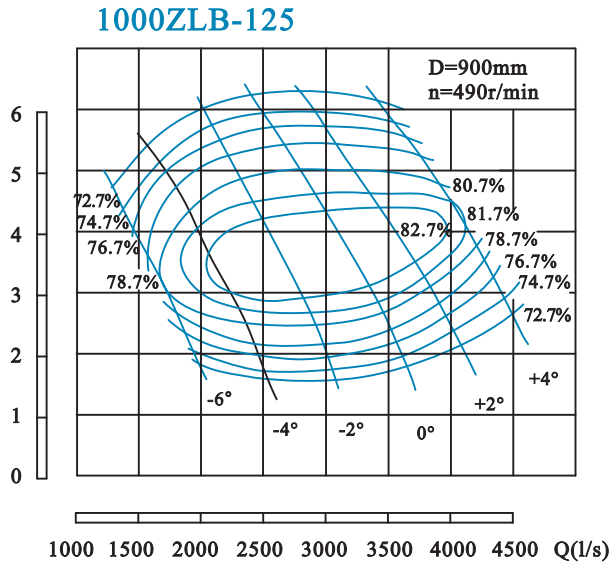
1000ZLB-100



1000ZLB-100 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6°	9099	2527	2.83	490	86.6	160	80.8	900
	8212	2281	4.14		109.2		84.8	
	7062	1962	5.96		141.8		80.8	
-4°	10183	2828	2.67		91.7	185	80.8	
	9197	2555	4.21		122.8		85.9	
	7620	2117	6.47		166.2		80.8	
-2°	11069	3075	2.62		97.7	185	80.8	
	10018	2783	4.32		136.1		86.5	
	8212	2281	6.68		184.8		80.8	
0°	11858	3294	2.69		107.6	220	80.8	
	10839	3011	4.33		147.2		86.8	
	8869	2464	6.83		204.2		80.8	
+2°	12646	3513	2.98		127.0	220	80.8	
	11496	3193	4.55		163.2		87.3	
	9591	2664	6.87		221.9		80.8	
+4°	13336	3704	3.29		147.8	250	80.8	
	12318	3422	4.57		176.3		87.0	
	10675	2965	6.53		234.7		80.8	

1000ZLB performance data sheet and curve

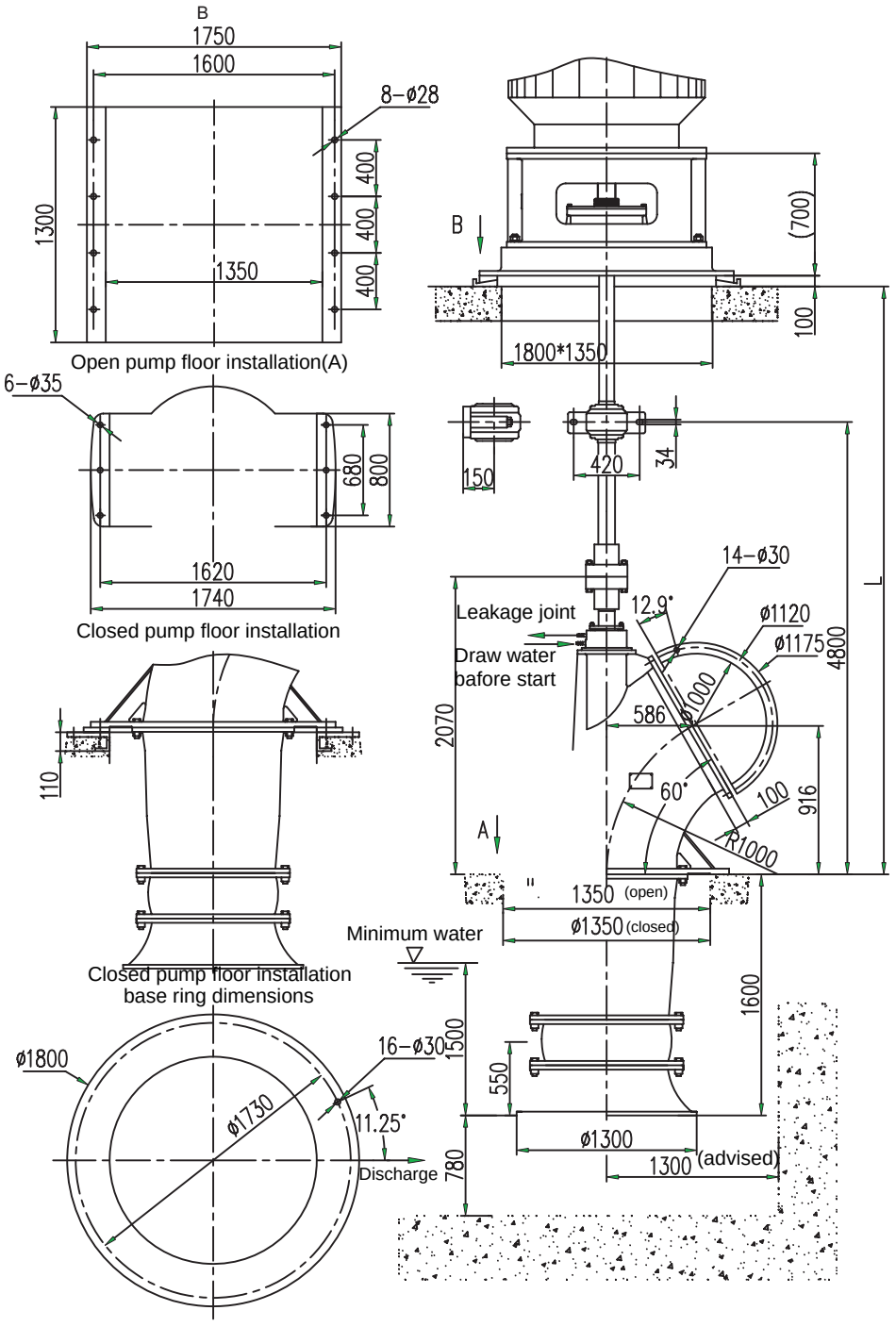


1000ZLB-125 性能参数表 PERFORMANCE DATA

叶片安放角 Angle	流量 Q Capacity (m^3/h)	流量 Q Capacity (l/s)	扬程 H Head (m)	转速 n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4°	9033	2509	1.70	490	54.7	132	76.3	900
	8146	2263	3.11		83.0		83.2	
	5978	1661	5.14		112.0		74.7	
-2°	11234	3120	1.64		67.3	160	74.7	
	10084	2801	3.23		106.0		83.6	
	7555	2099	5.76		158.5		74.7	
0°	13139	3650	1.95		93.5	200	74.7	
	11891	3303	3.51		132.6		85.8	
	9033	2509	5.96		192.1		76.3	
+2°	14617	4060	2.21		115.2	250	76.3	
	13204	3668	3.68		155.2		85.2	
	10511	2920	5.96		223.5		76.3	
+4°	15931	4425	2.88		163.6		76.3	
	14978	4161	4.32		209.5		84.0	
	12745	3540	5.81		264.0		76.3	

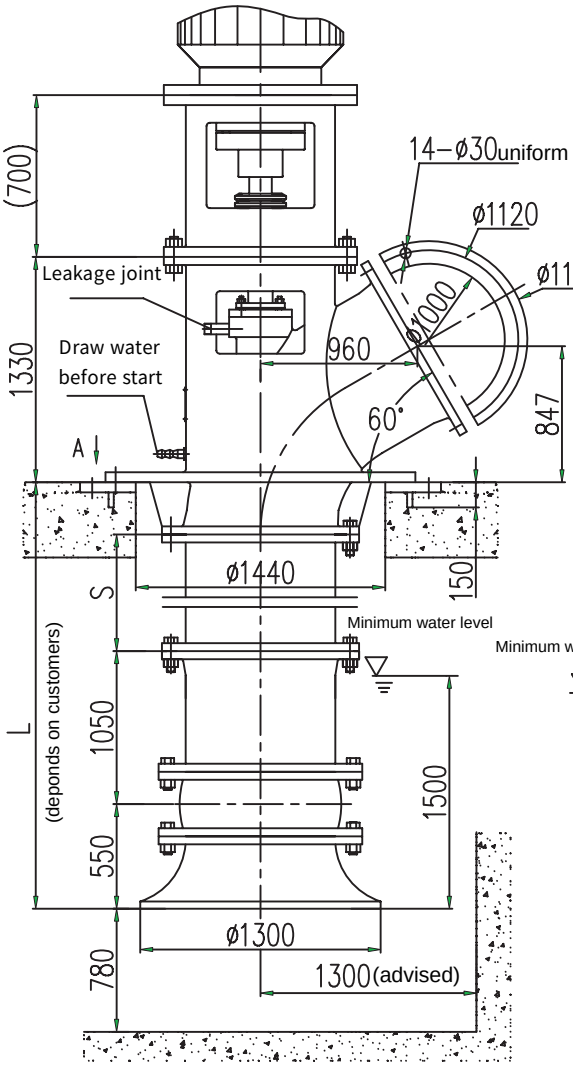
1000ZLB outside installation diagram

Model	Pump weight	Rotation parts weight	Transmission parts weight	Maximum axial force	Introduction
1000ZLB-50	2600	700	1900	8450	1, L is generally 3200-8000 and middle is needed if L is more than 6000. 2, Motor floor load = motor weight+ rotation parts weight+ transmission parts weight+ maximum axial force
1000ZLB-60	2600	700	1900	7250	
1000ZLB-70	2600	700	1900	6800	
1000ZLB-70N	2600	700	1900	6750	
1000ZLB-85	2600	700	1900	5950	
1000ZLB-100	2600	700	1900	5100	
1000ZLB-125	2600	700	1900	4400	

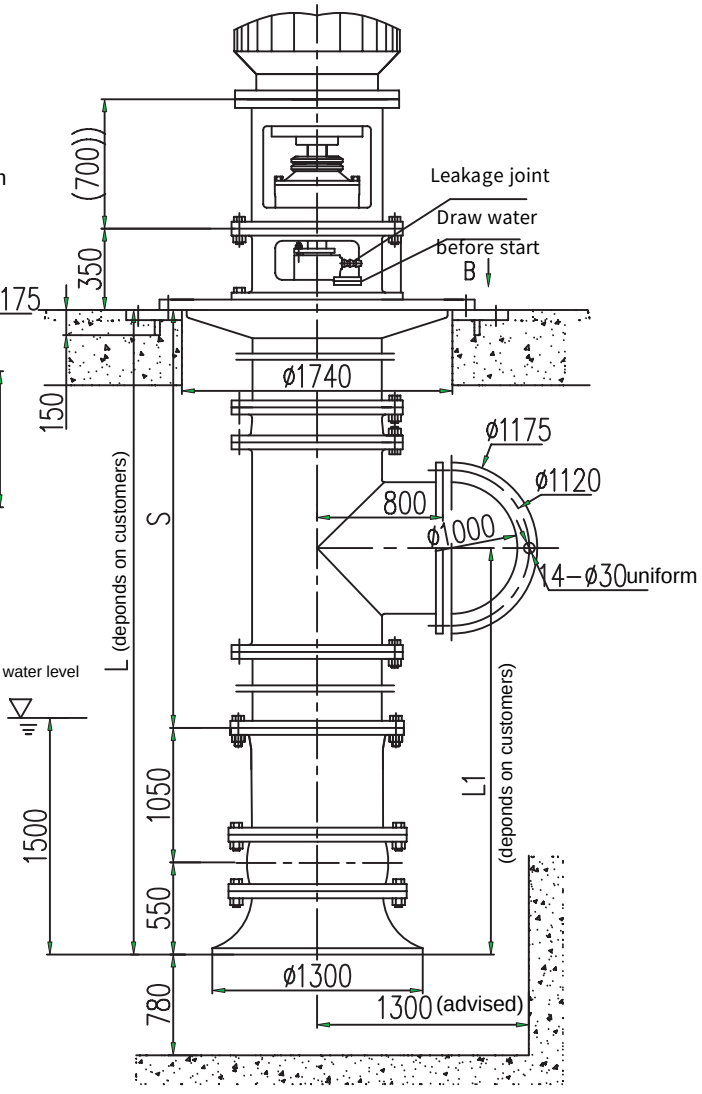


1000ZLB/X,1000ZLBLB/1X without transmission shaft outside installation diagram

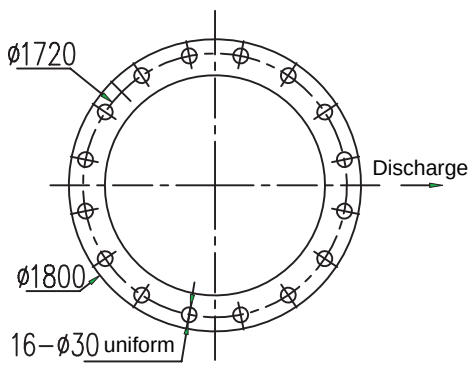
1000ZLB/X top discharge without transmission shaft installation(closed)



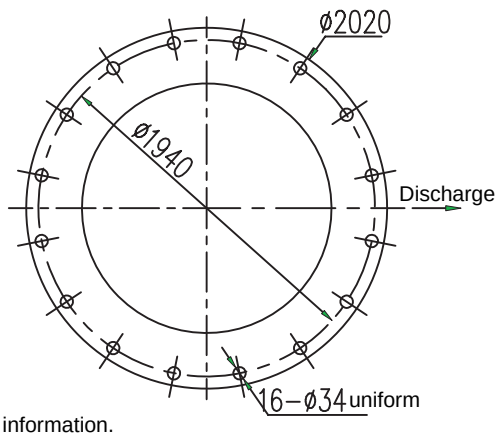
1000ZLB/1X down discharge without transmission shaft installation(closed)



A (top discharge base ring)



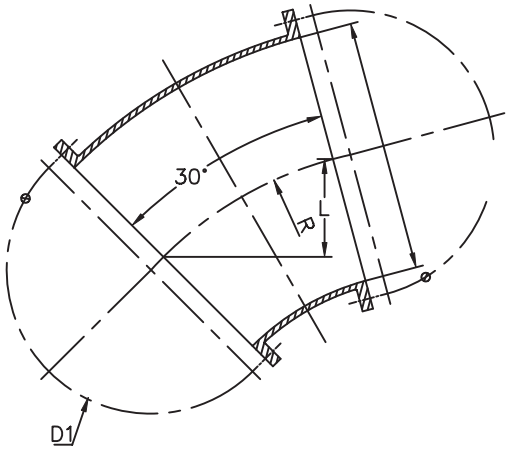
B (down discharge base ring)



Explanations:
1, If the s is longthened , middle bearing is needed and ask the tech sector for more information.
2, Pump floor load = pump weight+ axial force+ motor weight
3, Pump performacne data and the curve are similar with the related ZLB pump.
4, Top discharge minimum L is 2400 and down discharge minimum L is 3100.

11, 30° elbow and clap door

1, 30 elbow joint dimensions



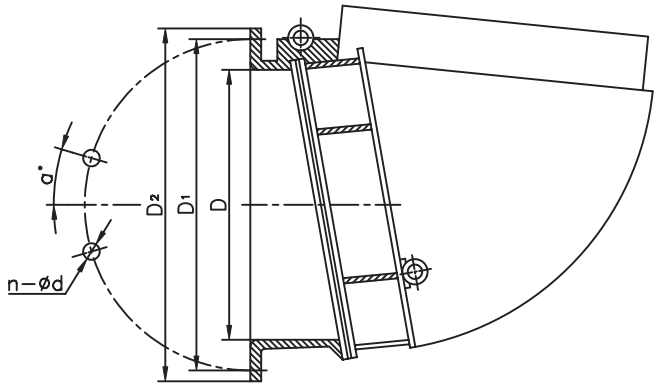
R=1. 0D

D	350	500	600	700	800	900	1000	1200	1400	1600	1800
R	350	500	600	700	800	900	1000	1200	1400	1600	1800
L	47	67	80	94	107	121	134	161	188	214	241

The flange dimension is the same as the related pump discharge flange dimension.

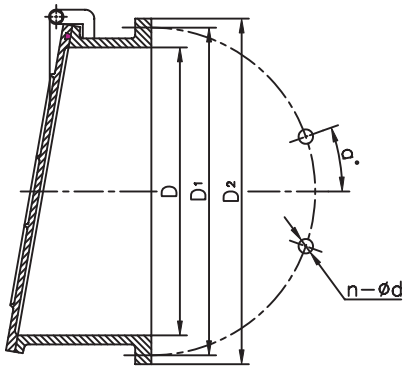
2, Clap door outside and joint dimensions

A, Floating pontoon clap door outside and joint dimensions sheet



D	D_1	D_2	n- ϕ d	a°	Weight (Kg)
300	395	440	12- ϕ 23	15	82
400	495	540	8- ϕ 23	22.5	90
500	600	645	12- ϕ 23	15	101
600	705	755	12- ϕ 27	15	148
700	810	860	12- ϕ 27	15	180
800	920	980	12- ϕ 27	15	240
900	1020	1075	12- ϕ 27	15	315
1000	1120	1175	12- ϕ 30	15	405
1200	1320	1380	12- ϕ 30	15	448
1300	1430	1500	12- ϕ 30	15	665
1400	1520	1575	12- ϕ 30	15	891
1600	1760	1830	12- ϕ 36	15	Contact with us
1800	1970	2045	44- ϕ 30	4.1	

B, Bob-weight type clap door outside diagram and joint dimensions sheet



D	D_1	D_2	n- ϕ d	a°	Weight (Kg)
300	395	440	12- ϕ 23	15	82
400	495	540	8- ϕ 23	22.5	91
500	600	645	12- ϕ 23	15	97
600	705	755	12- ϕ 27	15	154
700	810	860	12- ϕ 27	15	188
800	920	980	12- ϕ 27	15	213
900	1020	1075	12- ϕ 27	15	282
1000	1120	1175	12- ϕ 30	15	330
1200	1320	1380	12- ϕ 30	15	388
1300	1430	1500	12- ϕ 30	15	649
1400	1520	1575	12- ϕ 30	15	856
1600	1760	1830	12- ϕ 36	15	Contact with us
1800	1970	2045	44- ϕ 30	4.1	