350-700ZLB、HLB

350-700 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)

Content

1, Models explanation

1. 700ZLB-70 700ZLB/X-70N 700ZLB/1X-70C

700--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. 700HLB-50 700HLB/X-50 700HLB/1X-50

700--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: 0.2^3/s—3m^3/s。
2. Head: 2m--30m
3. Pump discharge diameter: 350mm---700mm

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 connection

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

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.

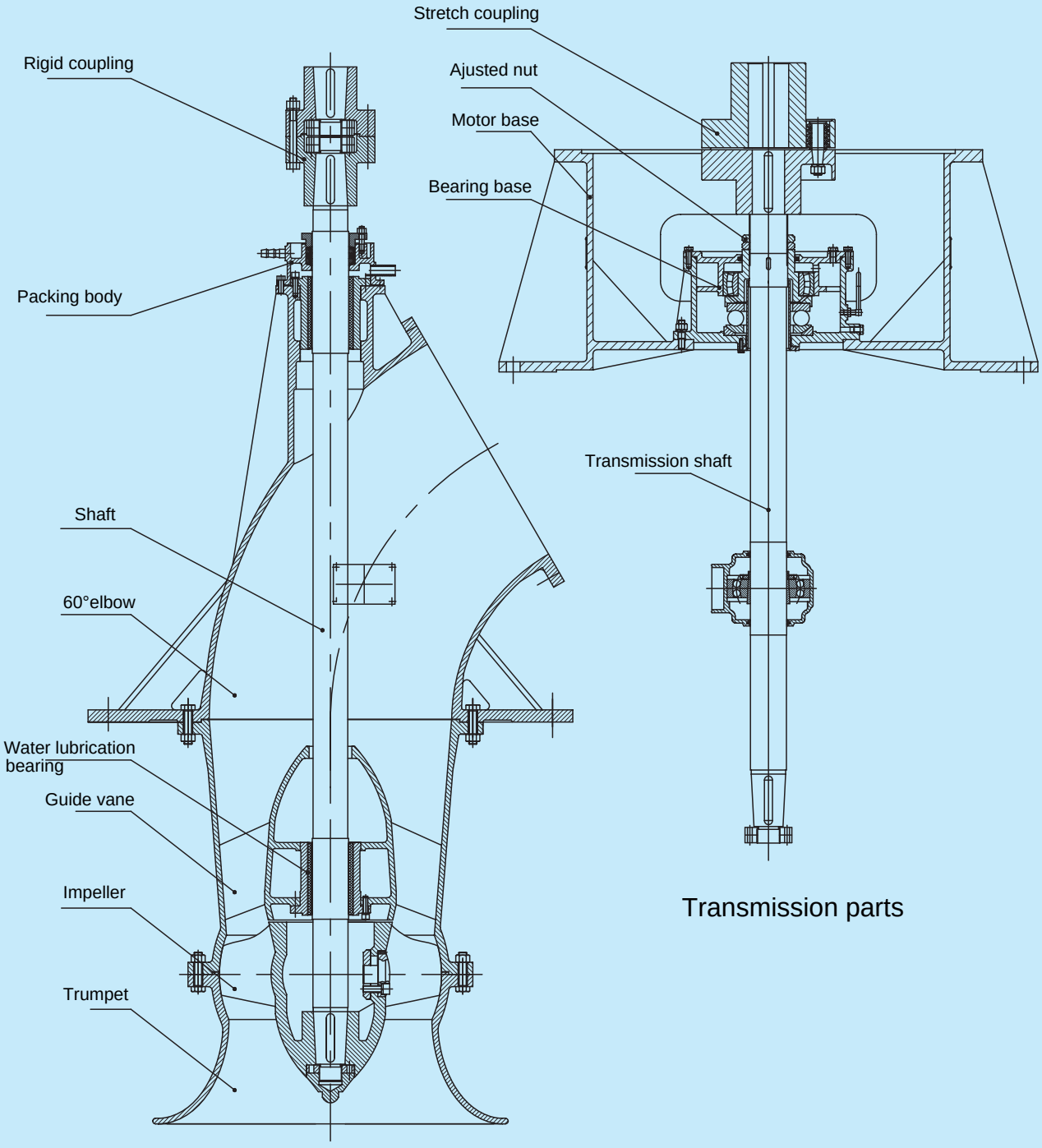
2, no transmission shaft: The traditional pump station mixed or axial flow pump installation form is double base installation including a motor base and a pump base. But the new structure pump without transmission shaft installation form can be single base installation, which can decrease the capital 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)

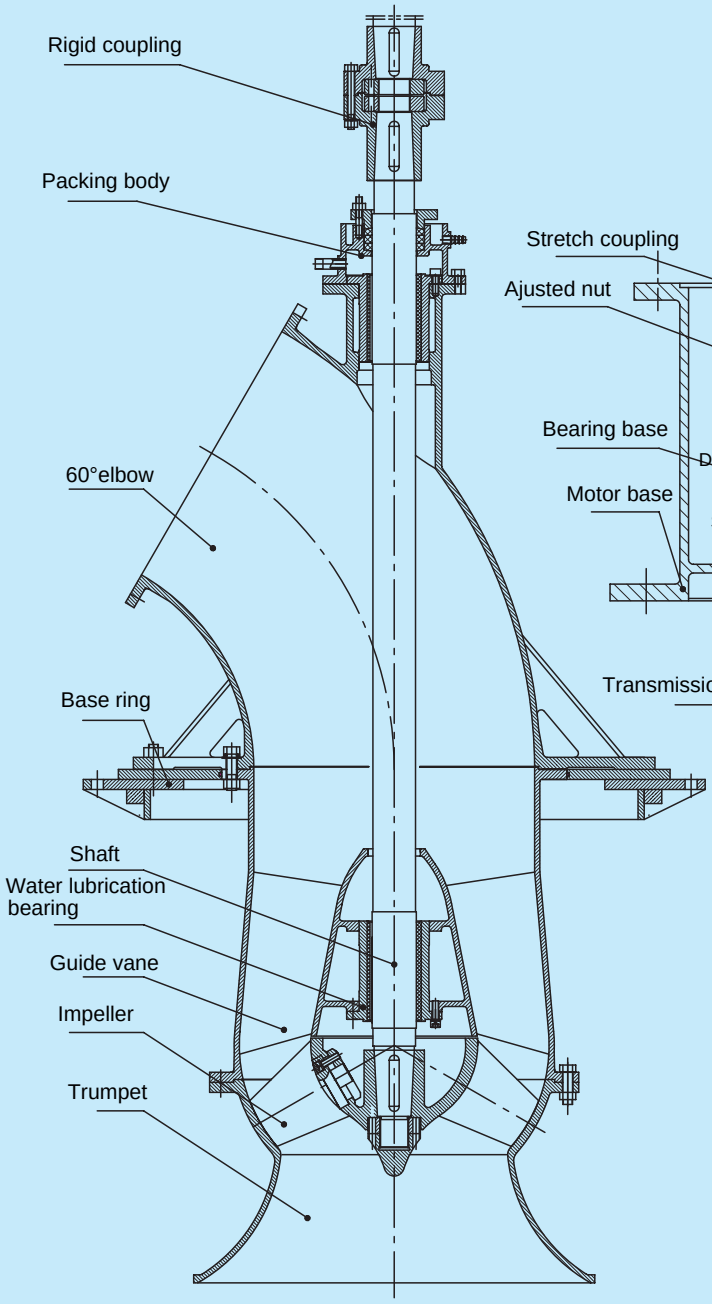


Transmission parts

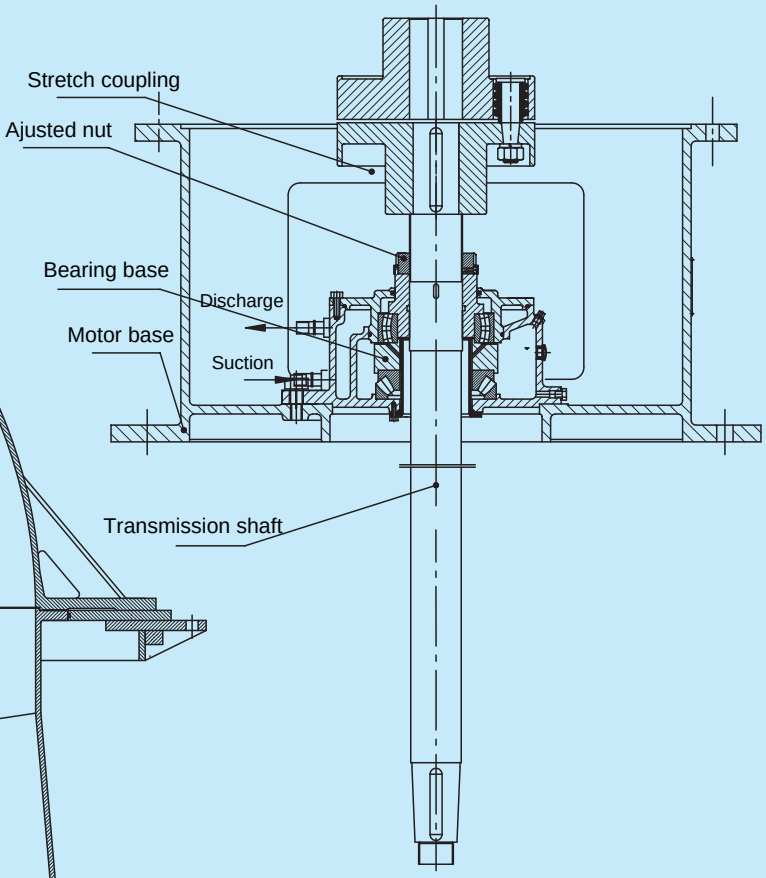
Pump body

Note: ZLB axial flow pump typical structure diagram.

Product structure (The pump bears axial force)



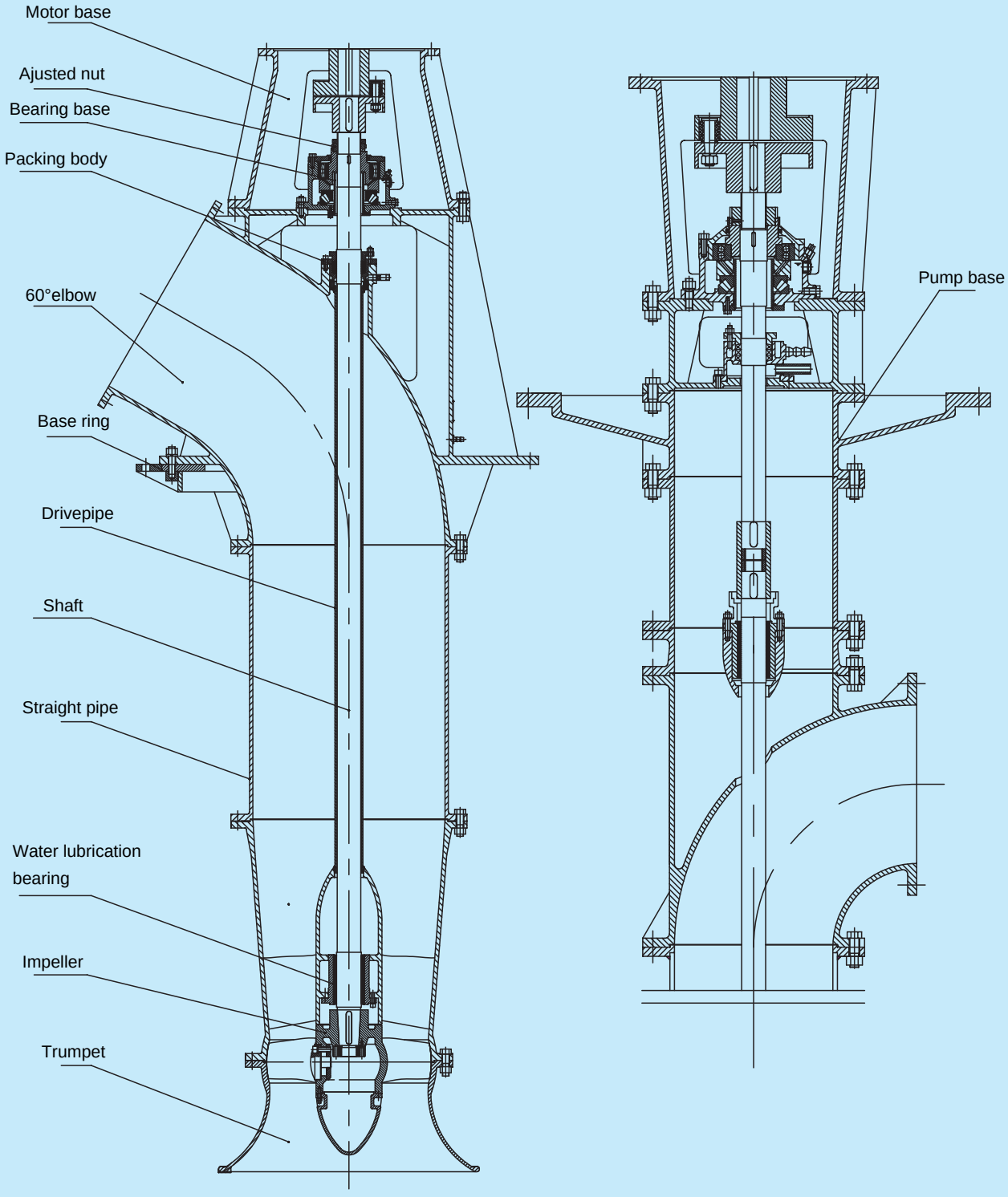
Pump body



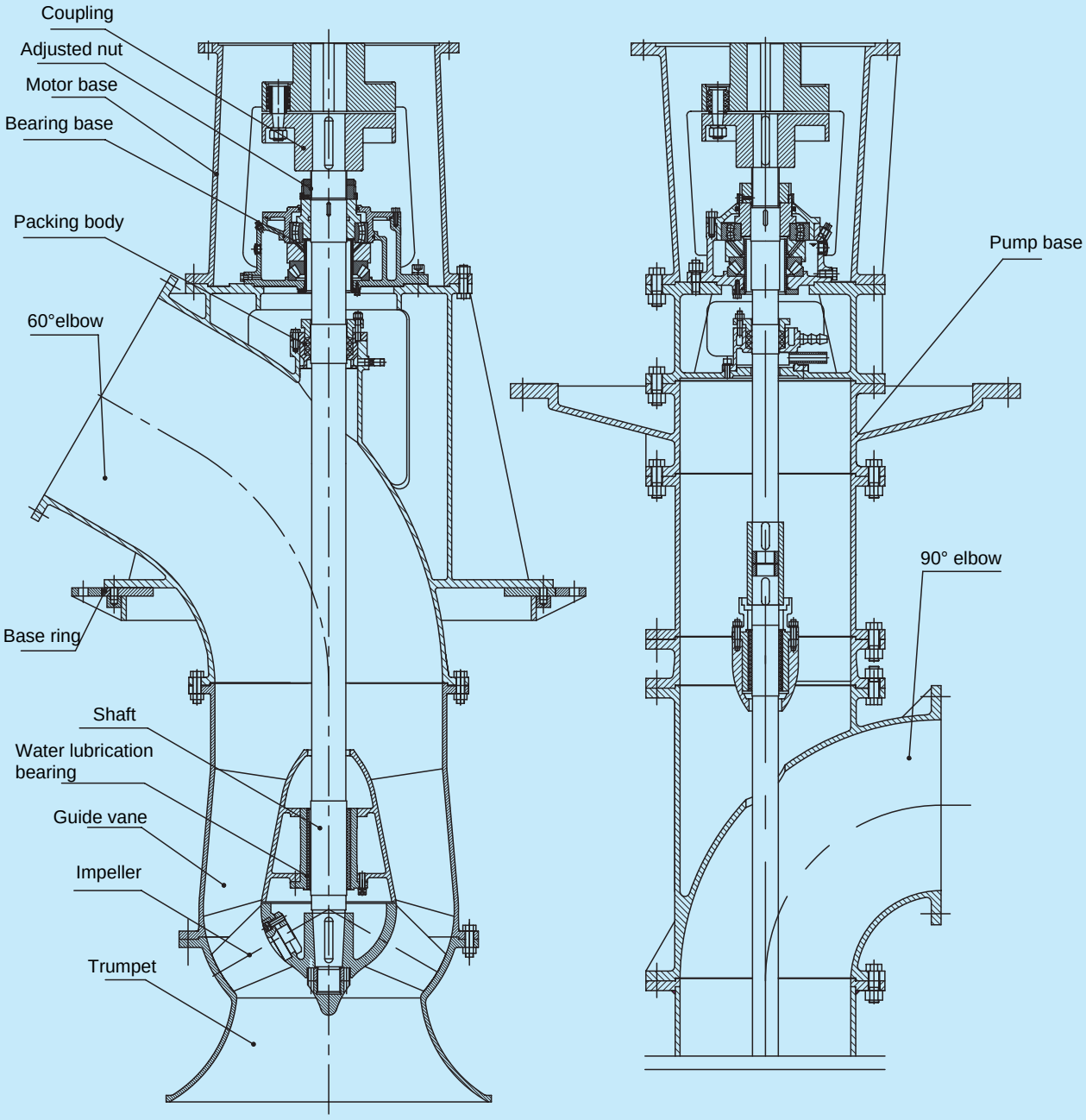
Transmission part

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 need 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

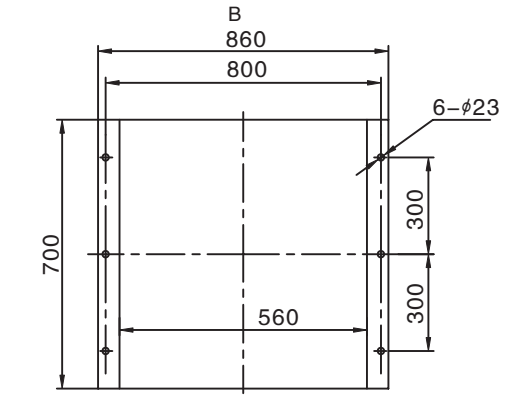
2, In the outside drawing ,more than 450 KW large motor motor base installation dimensions may be adjusted and some motors need to be designed again. So the outside installation diagram and dimensions are not supplied in this book. Contact with tech sector for the scheme.

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)

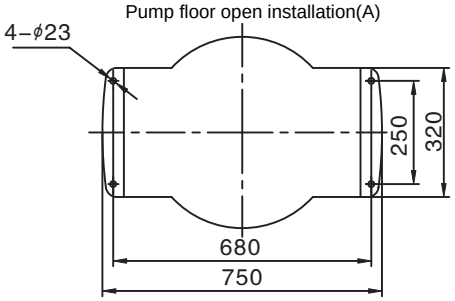
4, Select the suitable motor power acording to the maximum head and running angles.

350ZLB outside installation diagram

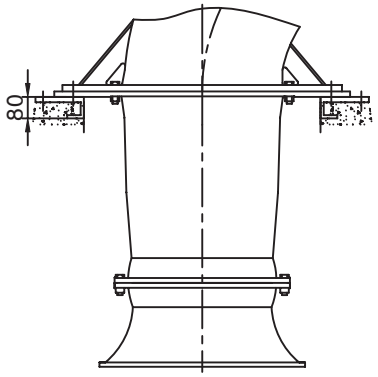
Model	Pump weight	Rotation weight	Transmission weight	Maximum axial force	Introduction
350ZLB-50	400	80	270	950	1, L is generally 1400-3600 and middle bearing is needed if L is more than 2600. 2, Motor floor load= motor weight+ rotation parts weight+transmission parts weight+maximum axial force
350ZLB-60	400	80	270	840	
350ZLB-70	400	80	270	720	
350ZLB-70N	400	80	270	700	
350ZLB-85	400	80	270	650	
350ZLB-100	400	80	270	550	
350ZLB-125	400	80	270	490	



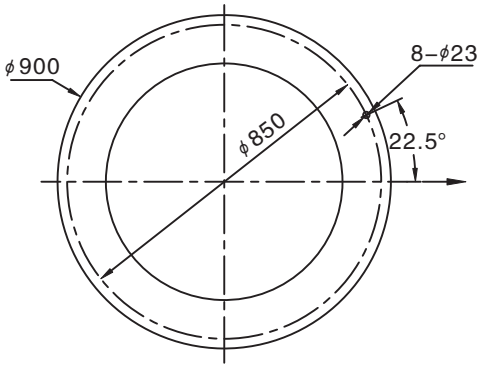
Pump floor open installation(A)

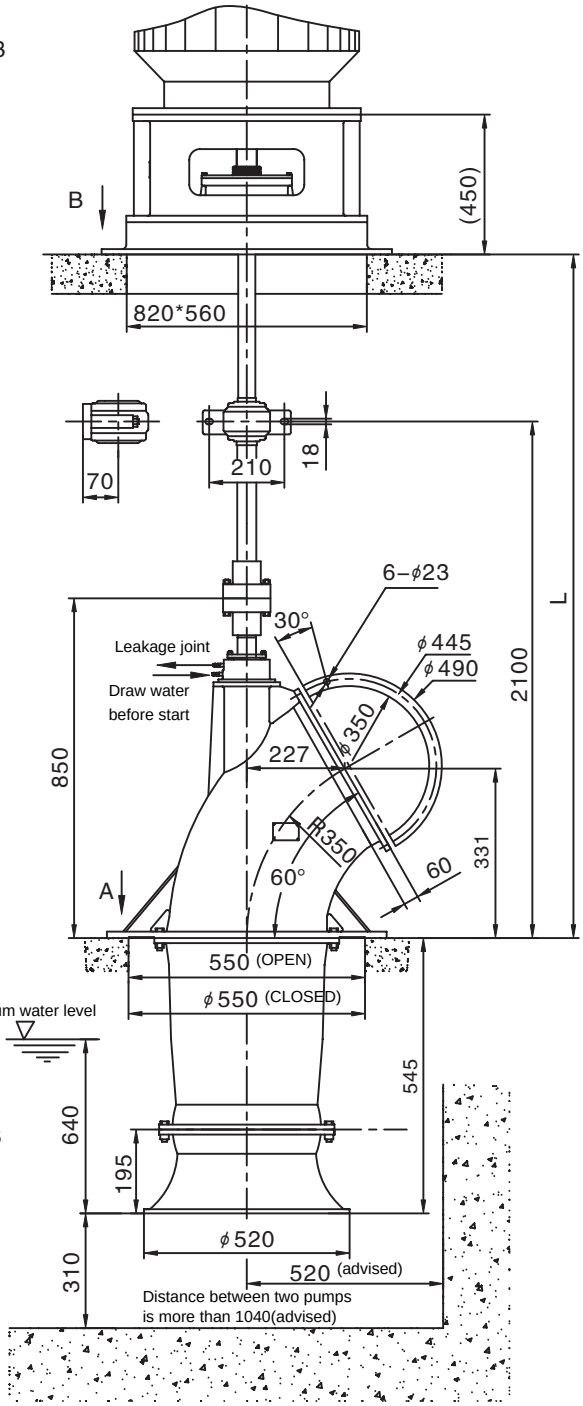


Pump floor closed installation



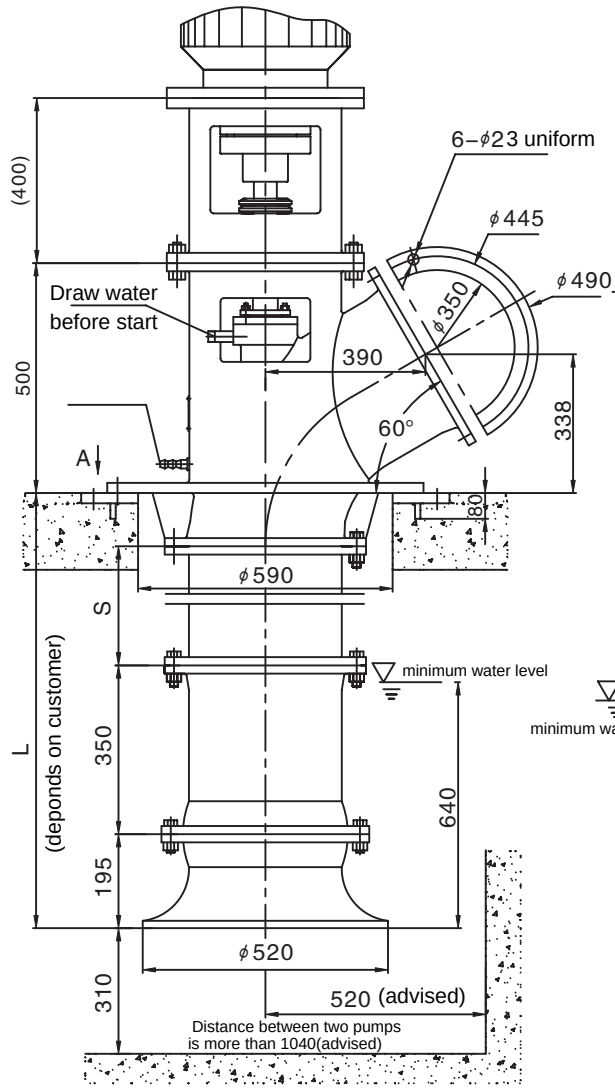
Closed installation base ring dimensions



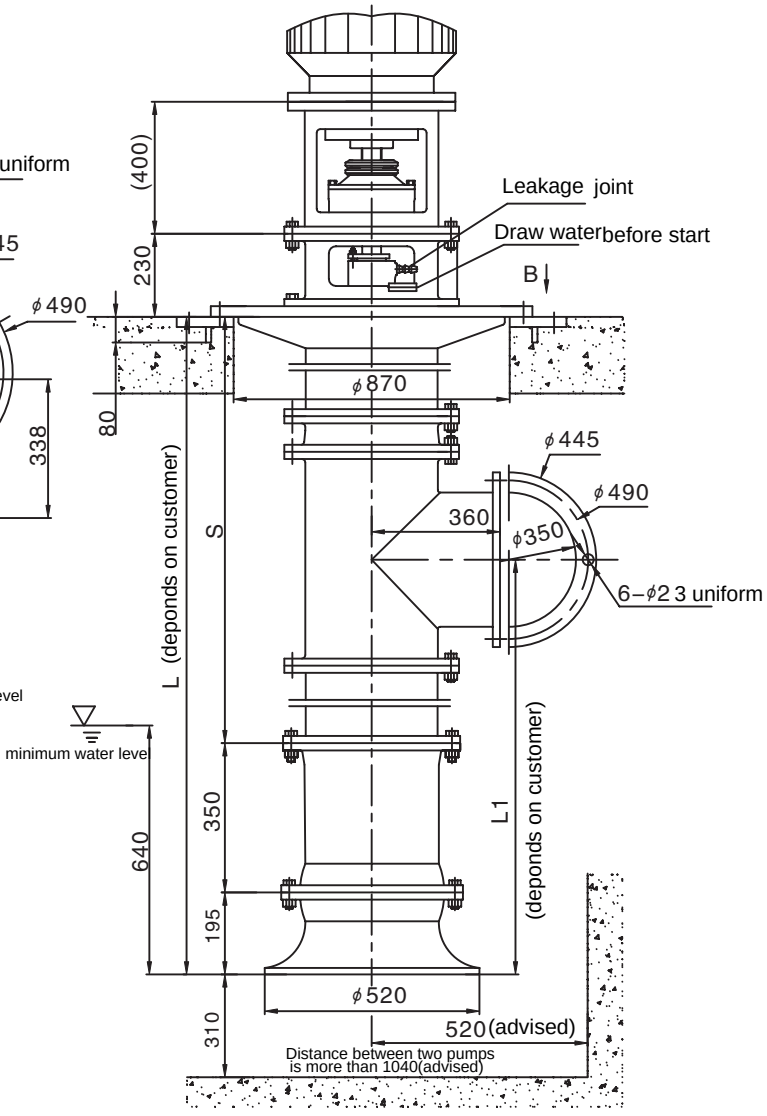


350ZLB/X,350ZLB/1X axial flow pump without transmission shaft outside diagram

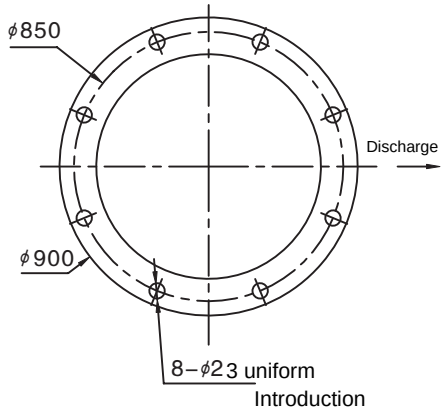
350ZLB/X top discharge no-transmission shaft installation(closed)



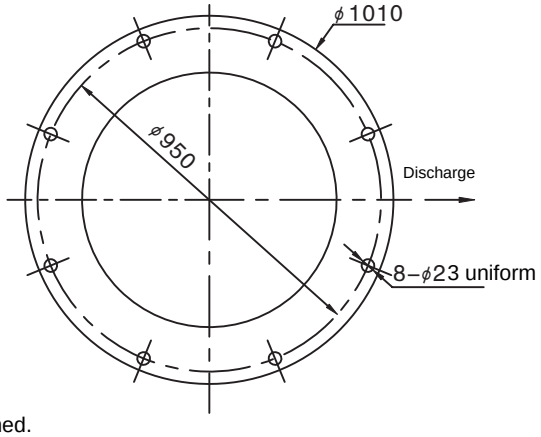
350ZLB/1X down discharge no-transmission shaft installation (closed)



A (top discharge base ring)



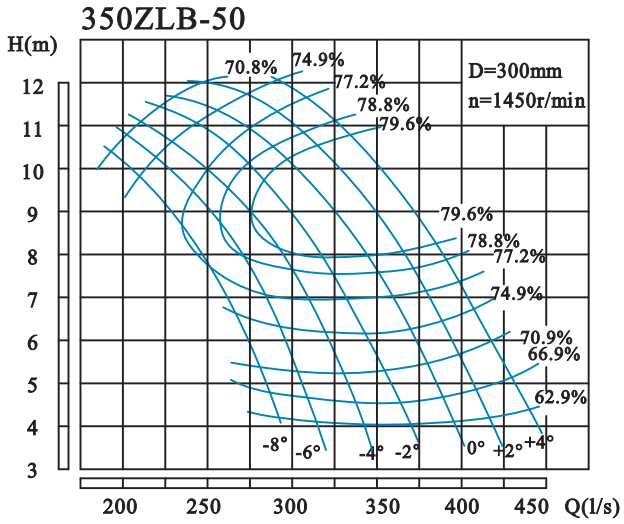
B (down discharge base ring)



Introduction

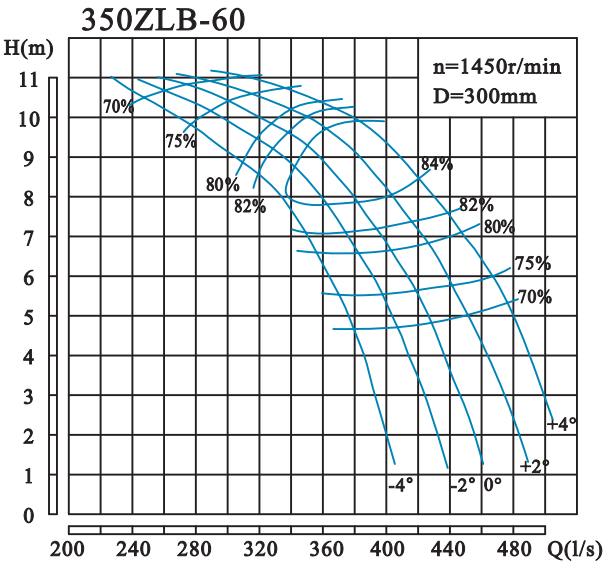
1, Middle support is needed if S is longthened.
2, Pump floor load =pump weight+ axial force +motor weight
3, Pump performance data and curve is similar with the same ZLB's
4, Top discharge minimum L is 770 while down discharge minimum L is 1500.

350ZLB axial flow pump performance curve and data sheet



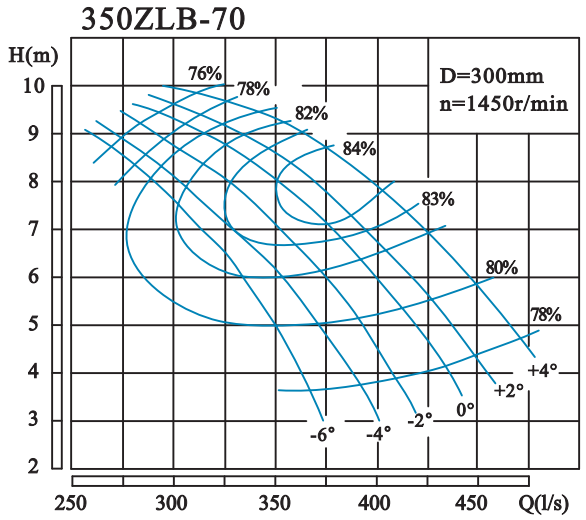
350ZLB-50 性能参数表 PERFORMANCE DATA

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	1101	306	4.67	1450	20.9	30	66.9	300
	929	258	8.53		27.3		79.1	
	735	204	10.74		30.0		71.8	
-4	1195	332	4.58		22.3	37	66.9	
	1010	280	8.79		30.1		80.3	
	759	211	11.25		32.4		71.8	
-2	1290	358	4.58		24.1		66.9	
	1040	289	9.05		31.9		80.3	
	796	221	11.56		34.9		71.8	
0	1393	387	4.80		27.2	45	66.9	
	1156	321	9.10		35.5		80.5	
	923	256	11.40		38.2		74.9	
+2	1478	410	4.91		29.5		66.9	
	1216	338	9.33		38.5		80.3	
	993	276	11.78		42.5		74.9	
+4	1534	426	5.32		33.2	55	66.9	
	1279	355	9.59		41.6		80.3	
	1040	289	12.00		45.3		74.9	



350ZLB-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	1285	357	6.53	1450	28.6	37	79.8	300
	1185	329	8.26		32.1		83.1	
	1104	307	8.91		33.8		79.2	
-2	1389	386	6.37		30.4	45	79.2	
	1266	352	8.36		34.1		84.5	
	1103	306	9.71		37.4		77.9	
0	1465	407	6.39		32.2		79.1	
	1306	363	8.79		36.9		84.7	
	1216	338	9.64		39.0		81.8	
+2	1535	426	6.88		36.7	55	78.3	
	1356	377	9.29		40.3		85.0	
	1203	334	10.31		43.0		78.5	
+4	1640	455	6.69		38.0		78.6	
	1446	402	9.33		43.3		84.8	
	1267	352	10.51		46.4		78.2	

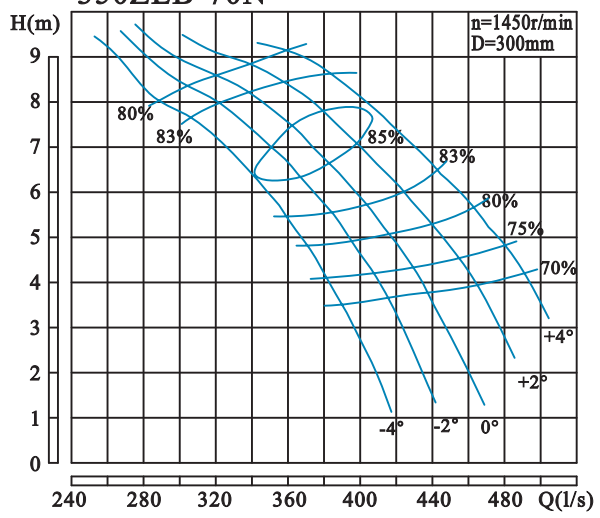


350ZLB-70 性能参数表 PERFORMANCE DATA

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	1296	360	3.75	1450	17.0	37	78.0	300
	1152	320	6.6		25.2		82.0	
	954	265	8.5		29.0		76.0	
-4	1386	385	3.85		18.6		78.0	
	1181	328	7		27.0		83.2	
	990	275	8.88		31.5		76.0	
-2	1458	405	4		20.4		78.0	
	1242	345	7.3		29.6		83.4	
	1012	281	9		32.6		76.0	
0	1530	425	4.3		23.0		78.0	
	1292	359	7.62		31.7		84.5	
	1037	288	9.3		34.5		76.0	
+2	1584	440	4.5		24.9		78.0	
	1325	368	7.7		32.7		84.9	
	1048	291	9.4		35.3		76.0	
+4	1663	462	4.9		28.4	45	78.0	
	1375	382	8.2		36.5		84.0	
	1112	309	9.6		38.3		76.0	

350ZLB axial flow pump performance curve and data sheet

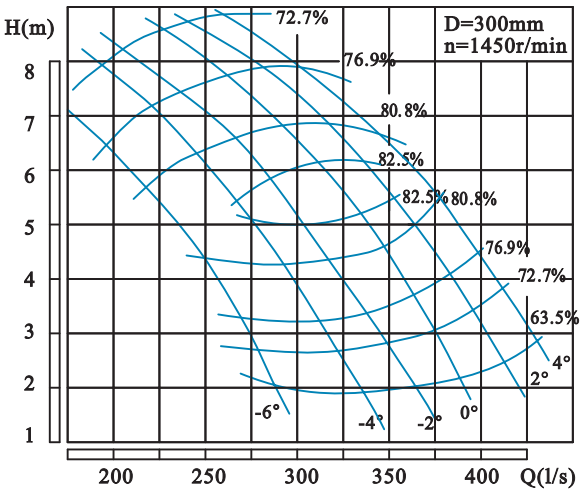
350ZLB-70N



350ZLB-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	1330	370	4.91	1450	22.1	30	80.5	300
	1214	337	6.55		25.5		85.0	
	1014	282	8.20		29.0		78.0	
-2	1435	399	4.70		23.4	37	78.6	
	1290	358	6.74		27.8		85.2	
	1077	299	8.47		31.4		79.1	
0	1515	421	4.84		25.5		78.3	
	1323	368	7.26		30.6		85.6	
	1136	316	8.67		34.0		78.9	
+2	1604	445	5.02		27.9	45	78.5	
	1391	386	7.53		33.5		85.2	
	1211	336	8.89		37.0		79.2	
+4	1696	471	5.23		31.1		77.6	
	1486	413	7.68		36.7		84.6	
	1335	371	8.96		39.8		81.7	

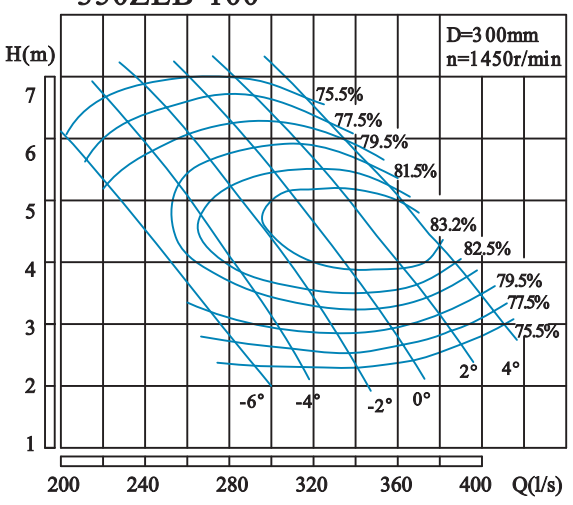
350ZLB-85



350ZLB-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	975	271	2.79	1450	10.2	18.5	72.7	300
	892	248	4.24		12.6		81.7	
	630	175	7.15		16.9		72.7	
-4	1130	314	2.70		11.4	22	72.7	
	964	268	5.20		16.5		82.7	
	690	192	7.59		19.6		72.7	
-2	1270	353	2.79		13.3	30	72.7	
	1097	305	5.10		18.4		82.7	
	759	211	7.95		22.6		72.7	
0	1367	380	3.05		15.6		72.7	
	1203	334	5.29		20.7		83.7	
	835	232	8.25		25.8		72.7	
+2	1461	406	3.50		19.2		72.7	
	1285	357	5.65		23.9		82.7	
	911	253	8.49		29.0		72.7	
+4	1555	432	3.93		22.9	37	72.7	
	1313	365	6.39		28.0		81.7	
	994	276	8.48		31.6		72.7	

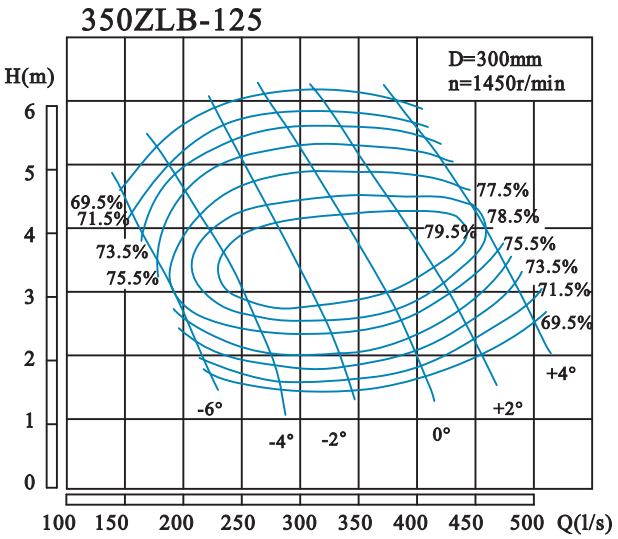
350ZLB-100



350ZLB-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	997	277	2.75	1450	9.6	18.5	77.5	300
	900	250	4.03		12.1		81.5	
	774	215	5.8		15.8		77.5	
-4	1116	310	2.6		10.2	22	77.5	
	1008	280	4.1		13.6		82.6	
	835	232	6.3		18.5		77.5	
-2	1213	337	2.55		10.9		77.5	
	1098	305	4.2		15.1		83.2	
	900	250	6.5		20.5		77.5	
0	1300	361	2.62		12.0	30	77.5	
	1188	330	4.21		16.3		83.5	
	972	270	6.65		22.7		77.5	
+2	1386	385	2.9		14.1		77.5	
	1260	350	4.43		18.1		84.0	
	1051	292	6.68		24.7		77.5	
+4	1462	406	3.2		16.4		77.5	
	1350	375	4.45		19.5		83.7	
	1170	325	6.35		26.1		77.5	

350ZLB axial flow pump performance curve and data sheet

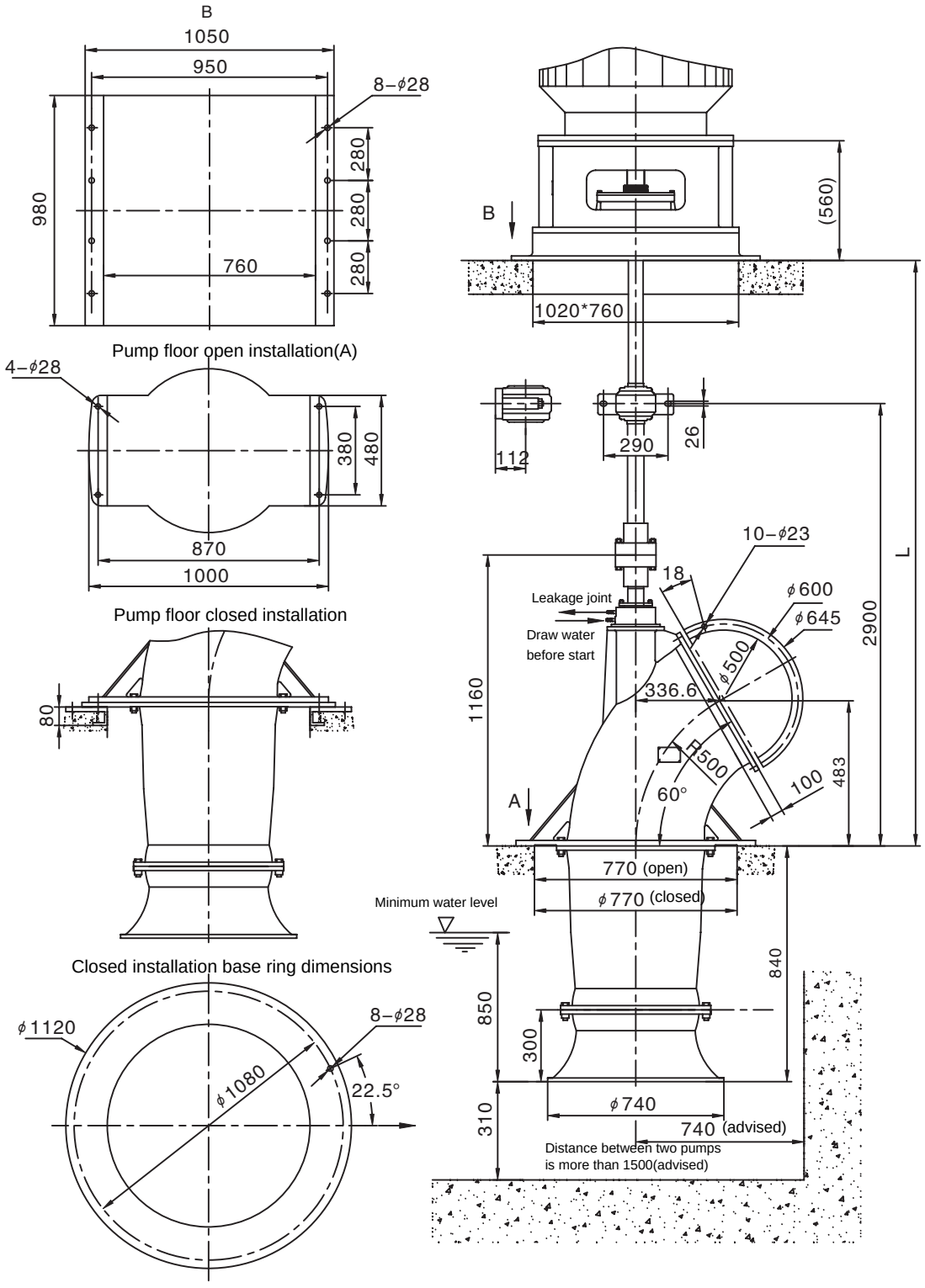


350ZLB-125 性能参数表 PERFORMANCE DATA

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	990	275	1.65	1450	6.2	15	71.5	300
	893	248	3.03		9.2		80.0	
	655	182	5.00		12.5		71.5	
-2	1231	342	1.60		7.5	18.5	71.5	
	1105	307	3.14		11.8		80.4	
	828	230	5.60		17.7		71.5	
0	1440	400	1.90		10.4	22	71.5	
	1303	362	3.42		15.0		81.0	
	990	275	5.80		21.9		71.5	
+2	1602	445	2.15		13.1	30	71.5	
	1447	402	3.58		17.5		80.4	
	1152	320	5.80		25.4		71.5	
+4	1746	485	2.80		18.6		71.5	
	1642	456	4.20		23.7		79.2	
	1397	388	5.65		30.0		71.5	

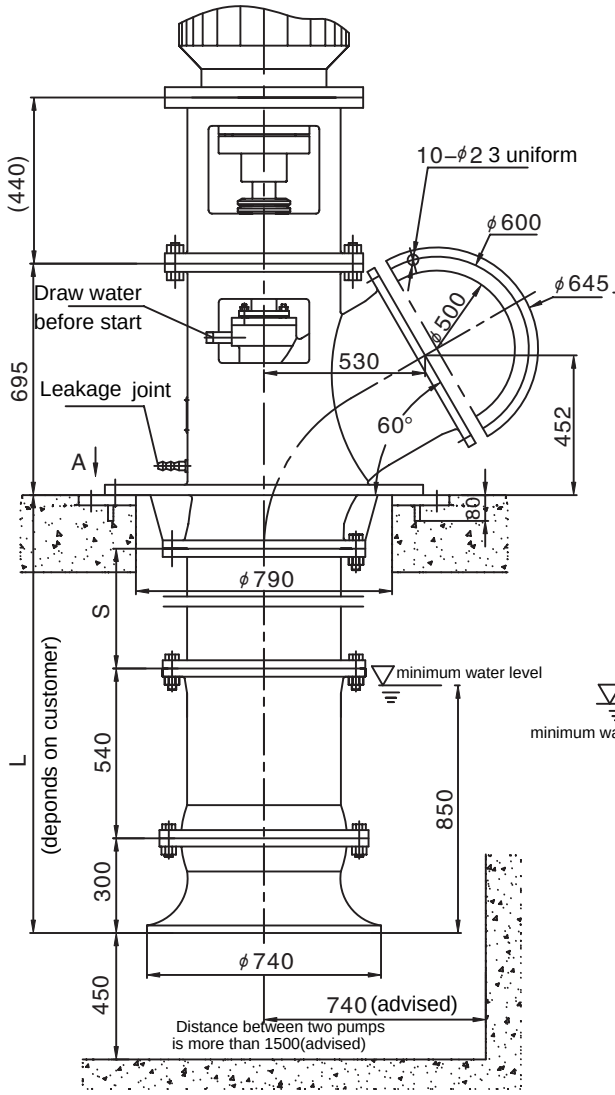
500ZLB axial flow pump outside installation diagram

Model	Pump weight	Rotation part weight	Transmission weight	Maximum axial force	Introduction
500ZLB-50(A)	635	90	350	2200	1, L is generally 1800-5200 and middle bearing is needed if L is more than 3200. 2, Motor floor load= motor weight+ rotation parts weight+transmission parts weight+maximum axial force
500ZLB-60	635	90	350	2100	
500ZLB-70(A)	635	90	350	2000	
500ZLB-70N	635	90	350	1850	
500ZLB-85	635	90	350	1800	
500ZLB-100	635	90	350	1600	
500ZLB-125	635	90	350	1500	

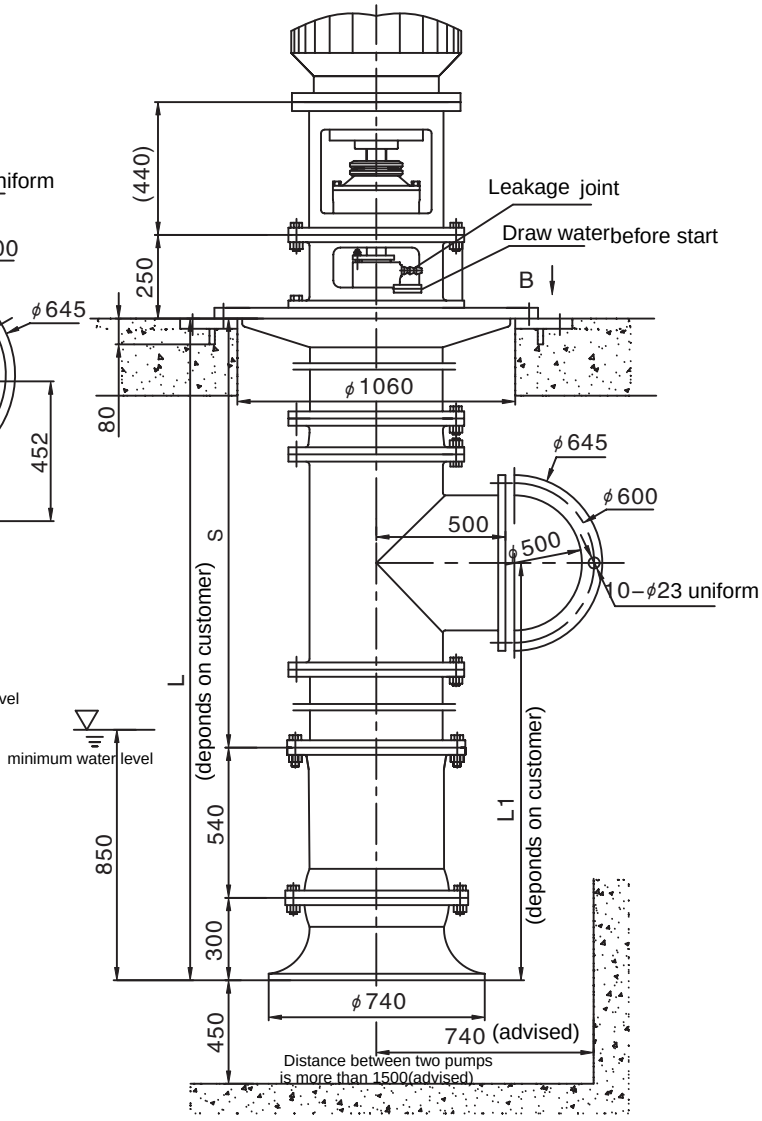


500ZLB/X,500ZLB/1X without transmission shaft outside istallation diagram

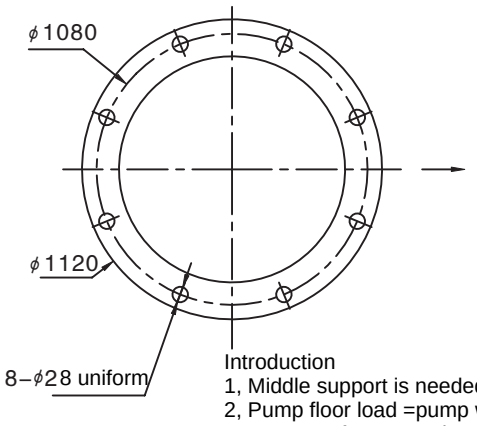
500ZLB/X top discharge no-transmission shaft installation(closed)



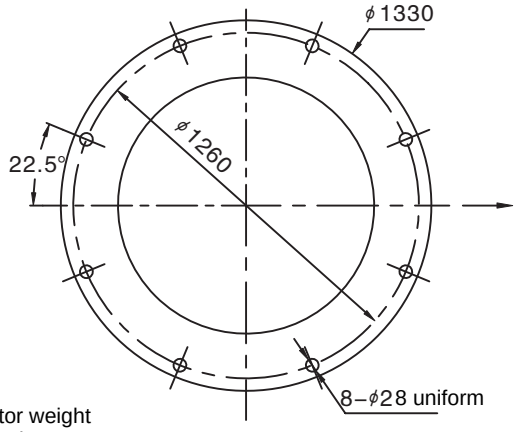
500ZLB/1X down discharge no-transmission shaft installation (closed)



A (top discharge base ring)



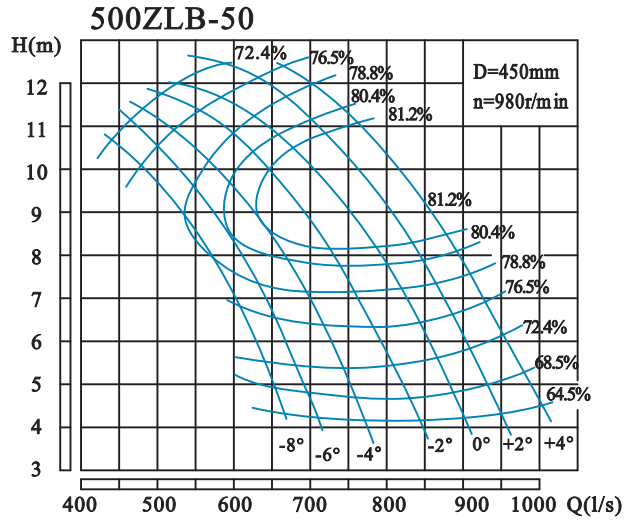
B (down discharge base ring)



Introduction

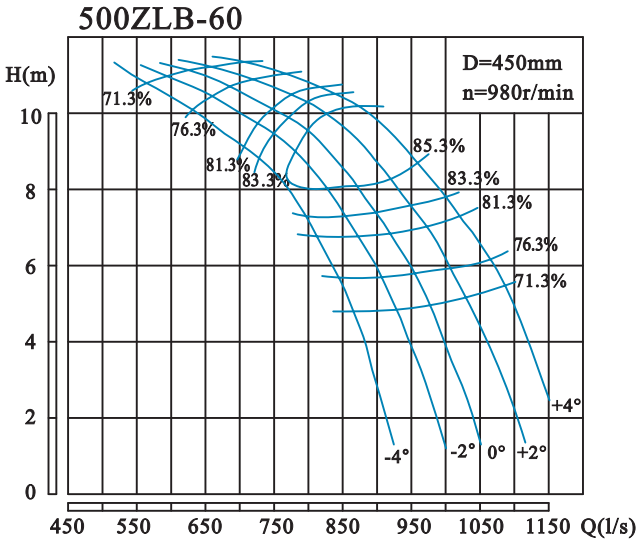
1, Middle support is needed if S is longthened.
2, Pump floor load =pump weight+ axial force +motor weight
3, Pump performance data and curve is similar with the same ZLB's
4, Top discharge minimum L is 1140 while down discharge minimum L is 1950.

500ZLB axial flow pump performance curve and data sheet



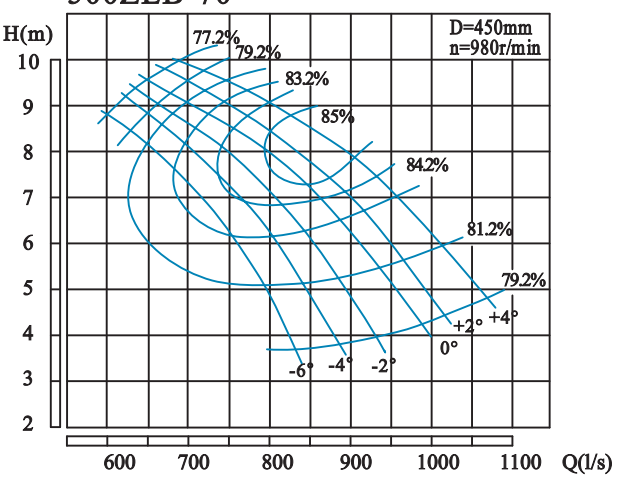
500ZLB-50 性能参数表 PERFORMANCE DATA

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	2511	697	4.80	980	47.9	75	68.5	450
	2119	589	8.77		62.7		80.7	
	1677	466	11.04		68.7		73.4	
-4	2726	757	4.71		51.0	90	68.5	
	2303	640	9.04		69.2		81.9	
	1731	481	11.56		74.2		73.4	
-2	2959	822	4.71		55.4		68.5	
	2372	659	9.31		73.4		81.9	
	1816	504	11.88		80.0		73.4	
0	3178	883	4.93		62.3	110	68.5	
	2636	732	9.35		81.8		82.1	
	2105	585	11.72		87.7		76.5	
+2	3370	936	5.04		67.6		68.5	
	2775	771	9.59		88.4		81.9	
	2265	629	12.11		103.1		72.4	
+4	3499	972	5.47		76.1		68.5	
	2917	810	9.85		95.6		81.9	
	2372	659	12.33		104.1		76.5	



500ZLB-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	2930	814	6.71	980	66.1	90	81.1	450
	2702	751	8.49		74.0		84.4	
	2518	700	9.16		77.9		80.5	
-2	3168	880	6.55		70.1		80.5	
	2887	802	8.60		78.7		85.8	
	2516	699	9.98		86.3		79.2	
0	3343	929	6.57		74.3	110	80.4	
	2980	828	9.03		85.2		86.0	
	2774	770	9.91		90.1		83.1	
+2	3501	972	7.07		84.6		79.6	
	3093	859	9.55		93.2		86.3	
	2743	762	10.60		99.3		79.8	
+4	3740	1039	6.88		87.6	132	79.9	
	3299	916	9.59		100.0		86.1	
	2890	803	10.80		106.9		79.5	

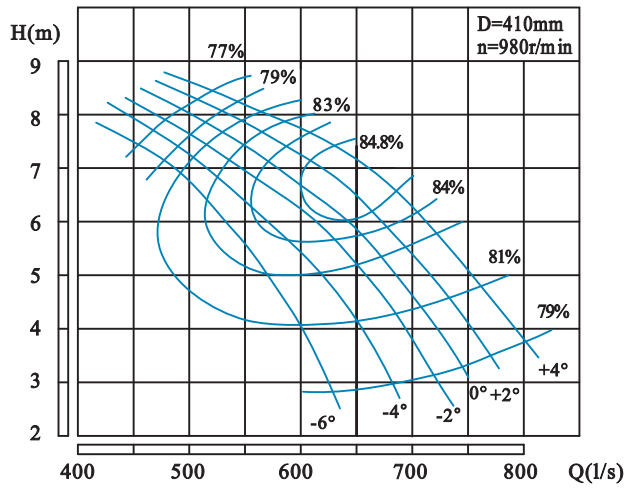


500ZLB-70 性能参数表 PERFORMANCE DATA

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	2956	821	3.85	980	39.2	75	79.2	450
	2628	730	6.78		58.4		83.2	
	2176	604	8.74		67.1		77.2	
-4	3162	878	3.96		43.0		79.2	
	2693	748	7.19		62.7		84.2	
	2258	627	9.13		72.7		77.2	
-2	3326	924	4.11		47.0	90	79.2	
	2833	787	7.50		68.8		84.2	
	2307	641	9.25		75.3		77.2	
0	3490	969	4.42		53.1		79.2	
	2948	819	7.83		73.8		85.2	
	2365	657	9.56		79.8		77.2	
+2	3613	1004	4.62		57.5		79.2	
	3022	839	7.91		76.0		85.7	
	2390	664	9.66		81.5		77.2	
+4	3794	1054	5.04		65.7	110	79.2	
	3137	871	8.43		84.6		85.2	
	2537	705	9.87		88.4		77.2	

500ZLB axial flow pump performance curve and data sheet

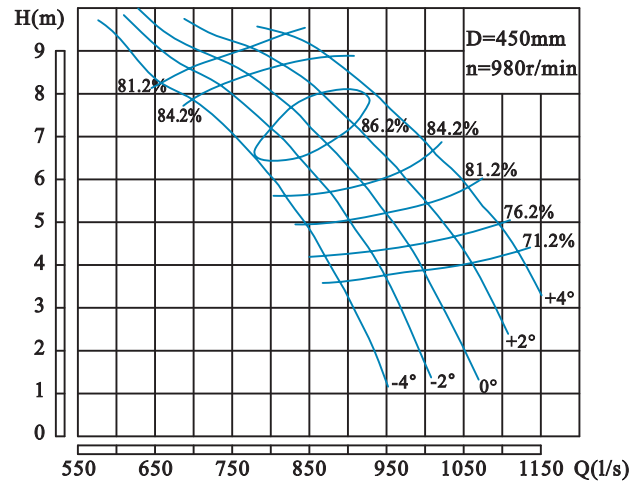
500ZLB-70A



500ZLB-70A 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	2236	621	3.20	980	24.7	55	79.0	410
	1987	552	5.63		36.7		83.0	
	1620	450	7.50		43.0		77.0	
-4	2391	664	3.28		27.1		79.0	
	2037	566	5.97		39.5		84.0	
	1708	474	7.58		45.8		77.0	
-2	2515	699	3.41		29.6		79.0	
	2143	595	6.23		43.3		84.0	
	1745	485	7.68		47.4		77.0	
0	2640	733	3.67		33.4		79.0	
	2230	619	6.50		46.5		85.0	
	1789	497	7.93		50.2		77.0	
+2	2733	759	3.84		36.2		79.0	
	2286	635	6.57		47.9		85.5	
	1807	502	8.02		51.3		77.0	
+4	2880	800	3.80		37.7	75	79.0	
	2628	730	5.70		48.0		85.0	
	2430	675	6.50		55.9		77.0	

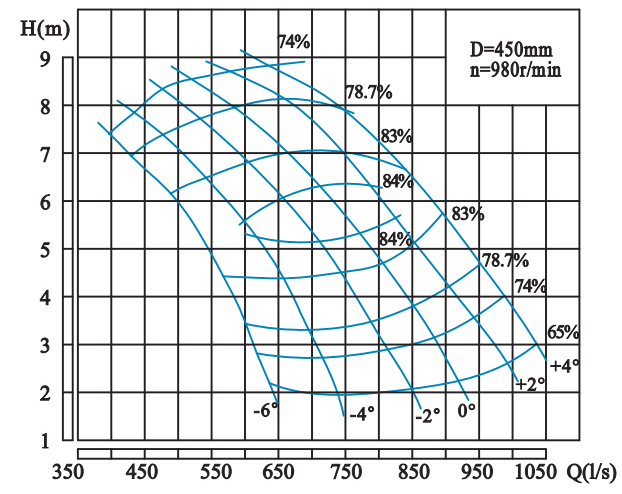
500ZLB-70N



500ZLB-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	3034	843	5.05	980	50.9	75	82.0	450
	2768	769	6.73		58.7		86.5	
	2312	642	8.43		66.7		79.5	
-2	3274	910	4.83		53.8		80.1	
	2942	817	6.92		64.0		86.7	
	2457	683	8.70		72.2		80.6	
0	3455	960	4.97		58.6	90	79.8	
	3018	838	7.46		70.4		87.1	
	2592	720	8.91		78.3		80.4	
+2	3658	1016	5.16		64.2		80.0	
	3174	882	7.74		77.1		86.7	
	2761	767	9.13		85.0		80.7	
+4	3869	1075	5.37		71.5	110	79.1	
	3390	942	7.89		84.6		86.1	
	3046	846	9.20		91.7		83.2	

500ZLB-85

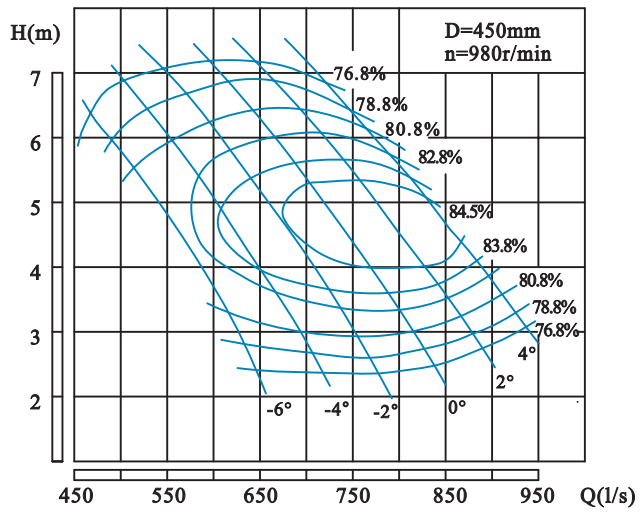


500ZLB-85 性能参数表 PERFORMANCE DATA

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	2225	618	2.87	980	23.5	45	74.0	450
	2034	565	4.36		29.1		83.0	
	1436	399	7.35		38.9		74.0	
-4	2578	716	2.77		26.3	55	74.0	
	2200	611	5.34		38.1		84.0	
	1573	437	7.80		45.2		74.0	
-2	2898	805	2.87		30.6		74.0	
	2502	695	5.24		42.5		84.0	
	1732	481	8.17		52.1		74.0	
0	3118	866	3.13		35.9	75	74.0	
	2743	762	5.44		47.8		85.0	
	1904	529	8.48		59.5		74.0	
+2	3334	926	3.60		44.2		74.0	
	2930	814	5.81		55.2		84.0	
	2077	577	8.73		66.8		74.0	
+4	3546	985	4.04		52.8	90	74.0	
	2995	832	6.57		64.6		83.0	
	2268	630	8.72		72.8		74.0	

500ZLB axial flow pump performance curve and data sheet

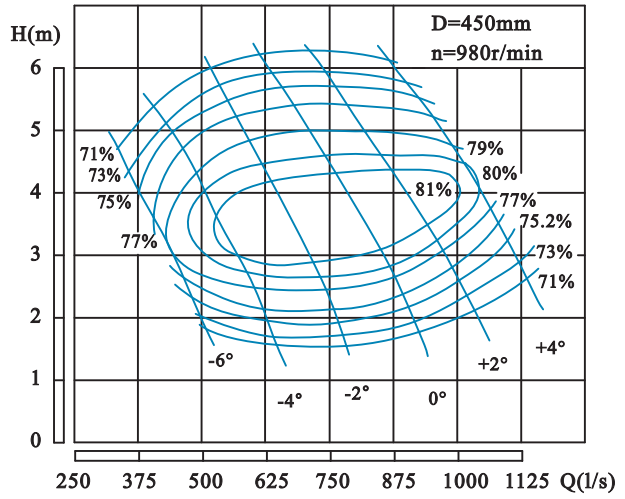
500ZLB-100



500ZLB-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	2275	632	2.83	980	22.2	37	78.8	450
	2053	570	4.14		28.0		82.8	
	1766	490	5.96		36.4		78.8	
-4	2546	707	2.67		23.5	45	78.8	
	2299	639	4.21		31.5		83.9	
	1905	529	6.47		42.7		78.8	
-2	2767	769	2.62		25.1	55	78.8	
	2505	696	4.32		34.9		84.5	
	2053	570	6.68		47.4		78.8	
0	2964	823	2.69		27.6		78.8	
	2710	753	4.33		37.7		84.8	
	2217	616	6.83		52.4		78.8	
+2	3162	878	2.98		32.6	75	78.8	
	2874	798	4.55		41.8		85.3	
	2398	666	6.87		56.9		78.8	
+4	3334	926	3.29		37.9		78.8	
	3079	855	4.57		45.2		85.0	
	2669	741	6.53		60.2		78.8	

500ZLB-125

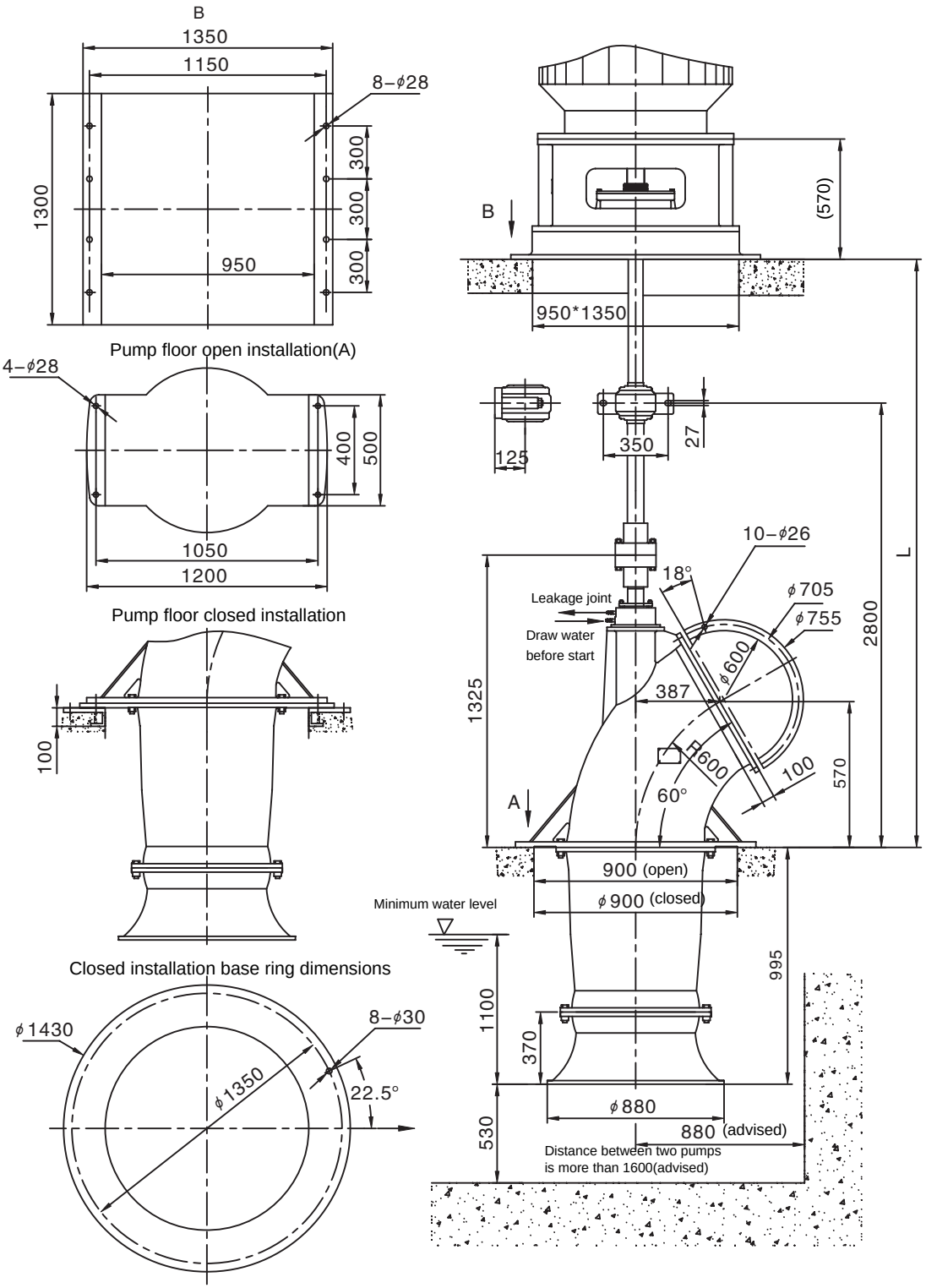


500ZLB-125 性能参数表 PERFORMANCE DATA

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	2258	627	1.70	980	14.3	30	73.0	450
	2037	566	3.11		21.2		81.5	
	1495	415	5.14		28.6		73.0	
-2	2808	780	1.64		17.2	45	73.0	
	2521	700	3.23		27.0		81.9	
	1889	525	5.76		40.5		73.0	
0	3285	912	1.95		23.9	55	73.0	
	2973	826	3.51		34.5		82.5	
	2258	627	5.96		50.2		73.0	
+2	3654	1015	2.21		30.1	75	73.0	
	3301	917	3.68		40.4		81.9	
	2628	730	5.96		58.4		73.0	
+4	3983	1106	2.88		42.7		73.0	
	3745	1040	4.32		54.5		80.7	
	3186	885	5.81		69.0		73.0	

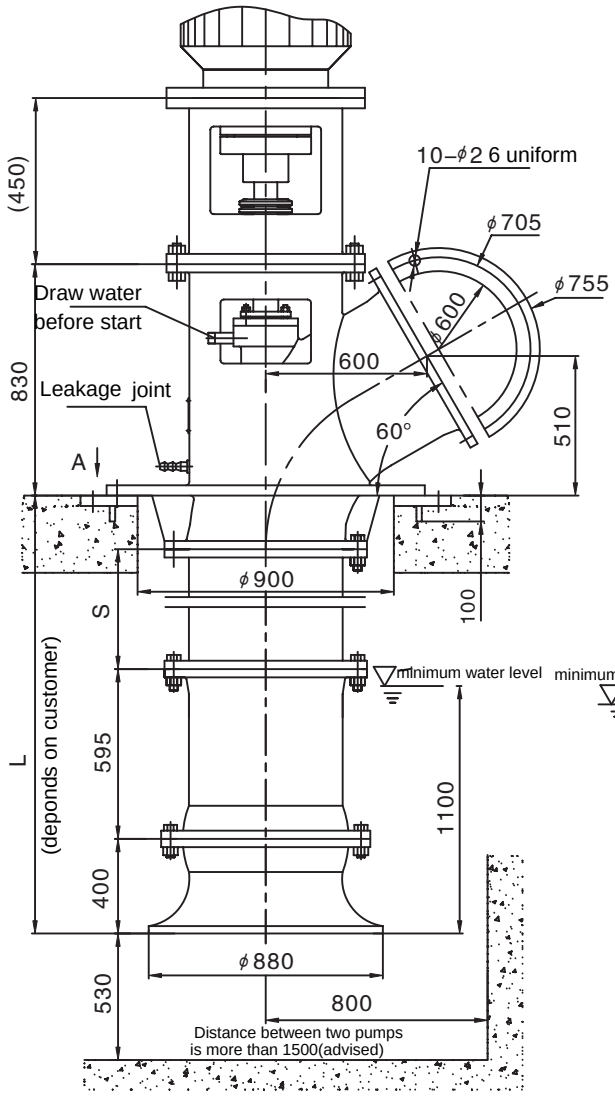
600ZLB axial flow pump outside installation diagram

Model	Pump weight	Rotation weight	Transmission weight	Maximum axial force	Introduction
600ZLB-50	930	160	800	3100	1, L is generally 1800-6600 and middle bearing is needed if L is more than 3500. 2, Motor floor load= motor weight+ rotation parts weight+transmission parts weight+maximum axial force
600ZLB-60	930	160	800	2700	
600ZLB-70	930	160	800	2150	
600ZLB-70N	930	160	800	2100	
600ZLB-85	930	160	800	2050	
600ZLB-100	930	160	800	1700	
600ZLB-125	930	160	800	1450	

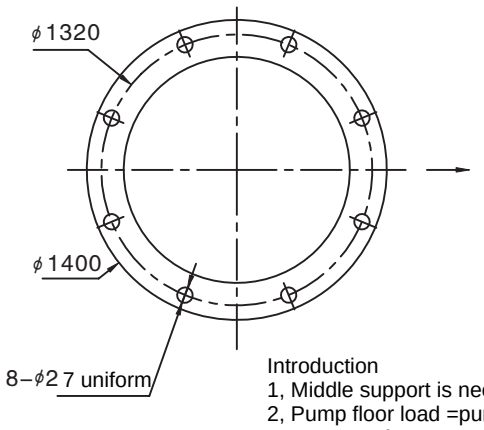


600ZLB/X,600ZLB/1X outside istallation diagram

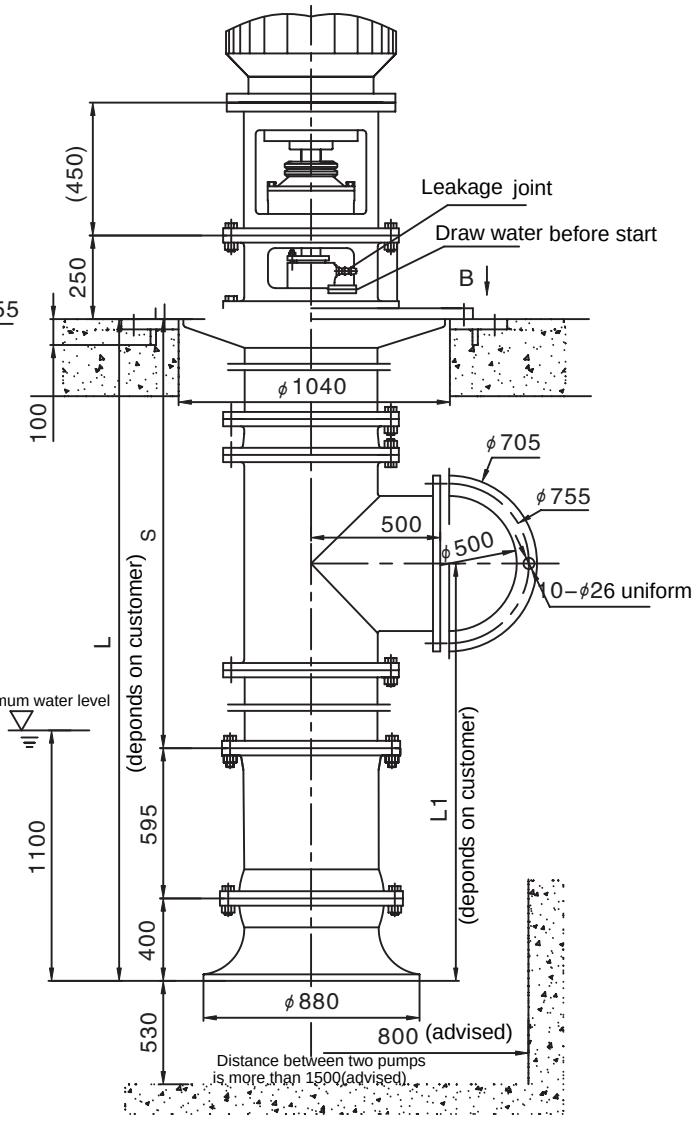
600ZLB/X top discharge no-transmission shaft installation(closed)



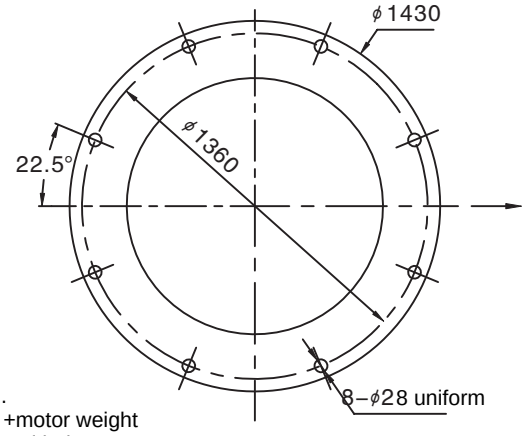
A (top discharge base ring)



600ZLB/1X down discharge no-transmission shaft installation (closed)



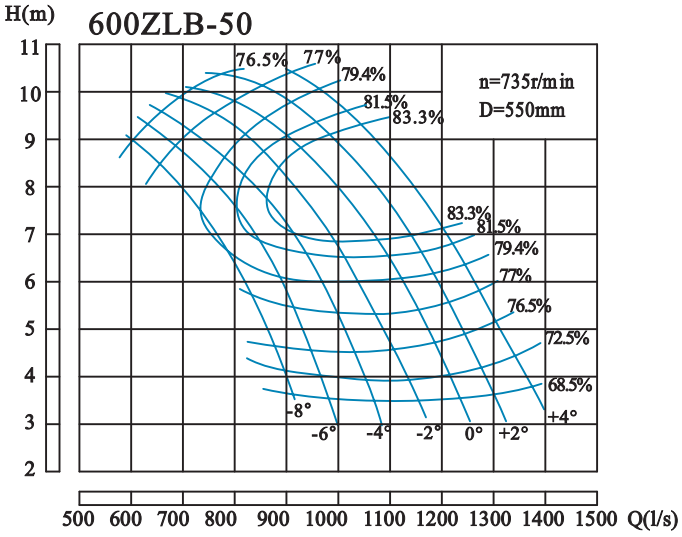
B (down discharge base ring)



Introduction

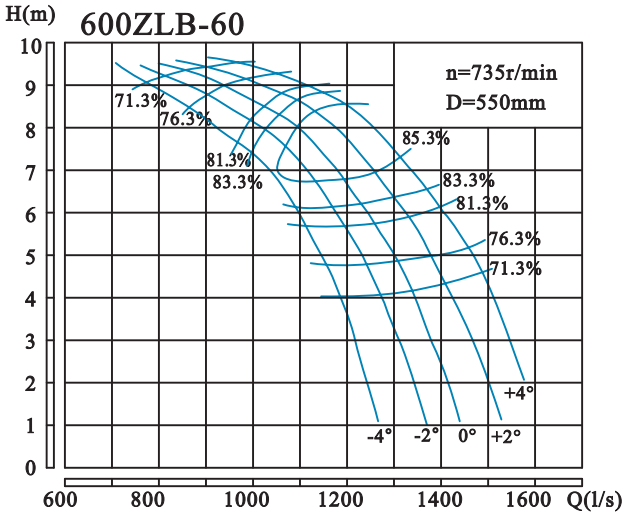
1, Middle support is needed if S is longthened.
2, Pump floor load =pump weight+ axial force +motor weight
3, Pump performance data and curve is similar with the same ZLB's
4, Top discharge minimum L is 1140 while down discharge minimum L is 1950.

600ZLB axial flow pump performance curve and data sheet



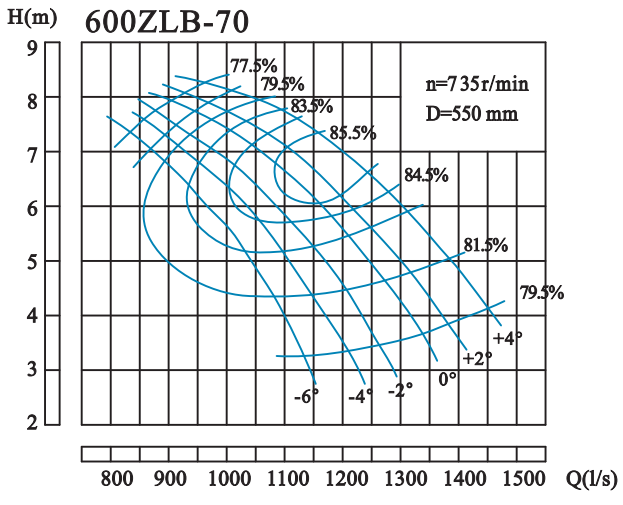
600ZLB-50 性能参数表 PERFORMANCE DATA

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	3438	955	4.03	735	54.3	95	69.5	550
	2901	806	7.37		71.2		81.7	
	2297	638	9.28		78.0		74.4	
-4	3733	1037	3.96		57.9		69.5	
	3154	876	7.59		78.6		82.9	
	2370	658	9.71		84.2		74.4	
-2	3994	1109	3.96		61.9		69.5	
	3249	902	7.82		83.4		82.9	
	2487	691	9.99		90.9		74.4	
0	4352	1209	4.14		70.7	110	69.5	
	3609	1003	7.86		93.3		82.8	
	2882	801	9.84		99.7		77.5	
+2	4615	1282	4.24		76.6	132	69.5	
	3800	1055	8.05		100.5		82.9	
	3101	862	10.17		110.8		77.5	
+4	4791	1331	4.60		86.3		69.5	
	3995	1110	8.28		108.6		82.9	
	3248	902	10.36		118.2		77.5	



600ZLB-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	4012	1115	5.64	735	76.0	110	81.1	550
	3700	1028	7.13		85.1		84.4	
	3448	958	7.69		89.7		80.5	
-2	4338	1205	5.50		80.7		80.5	
	3953	1098	7.22		90.6		85.8	
	3445	957	8.38		99.3		79.2	
0	4577	1271	5.52		85.5		80.4	
	4080	1133	7.59		98.0		86.0	
	3798	1055	8.33		103.6		83.1	
+2	4794	1332	5.94		97.4	132	79.6	
	4235	1176	8.02		107.2		86.3	
	3757	1043	8.91		114.2		79.8	
+4	5121	1423	5.78		100.8		79.9	
	4517	1255	8.06		115.1		86.1	
	3958	1099	9.08		123.0		79.5	

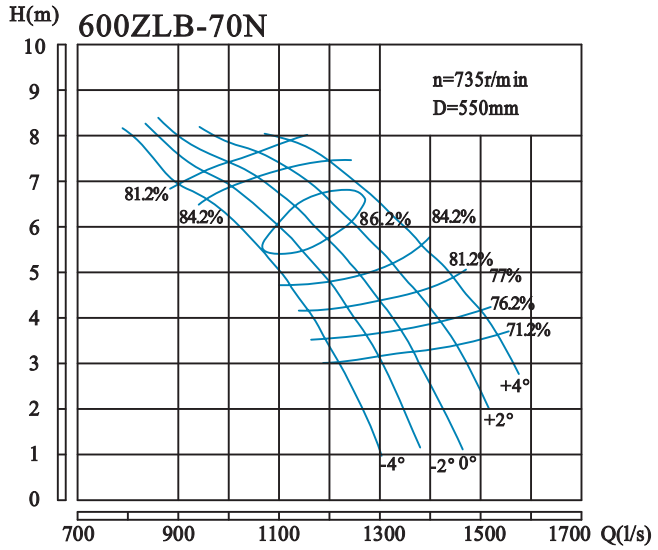


600ZLB-70 性能参数表 PERFORMANCE DATA

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	4048	1124	3.24	735	44.6	95	80.1	550
	3598	1000	5.70		66.5		84.1	
	2980	828	7.34		76.3		78.1	
-4	4329	1203	3.32		49.0		80.1	
	3688	1025	6.05		71.4		85.1	
	3092	859	7.67		82.7		78.1	
-2	4554	1265	3.45		53.5		80.1	
	3879	1078	6.30		78.3		85.1	
	3160	878	7.77		85.7		78.1	
0	4779	1327	3.71		60.4	110	80.1	
	4037	1121	6.58		84.3		85.8	
	3238	900	8.03		90.8		78.1	
+2	4948	1374	3.89		65.4		80.1	
	4138	1149	6.65		86.6		86.6	
	3272	909	8.12		92.7		78.1	
+4	5195	1443	4.23		74.8		80.1	
	4295	1193	7.08		96.3		86.1	
	3475	965	8.29		100.5		78.1	

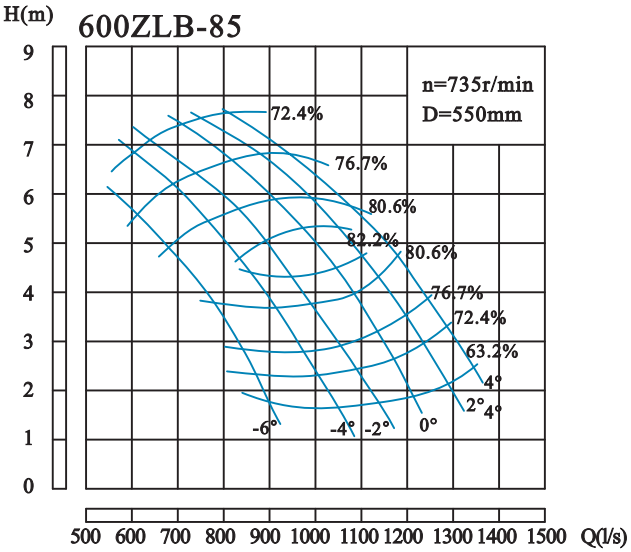
Note: Select suitable motor power according to the maximum head and running angles

600ZLB axial flow pump performance curve and data sheet



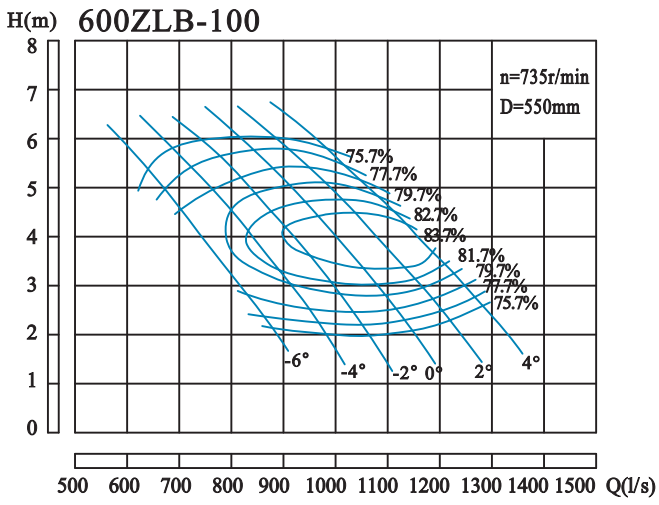
600ZLB-70N 性能参数表 PERFORMANCE DATA

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	4155	1154	4.24	735	58.8	90	81.7	550
	3791	1053	5.66		67.7		86.2	
	3166	879	7.08		77.1		79.2	
-2	4484	1245	4.06		62.2		79.8	
	4029	1119	5.82		73.8		86.4	
	3365	935	7.31		83.4		80.3	
0	4731	1314	4.18		67.7	110	79.5	
	4132	1148	6.27		81.3		86.8	
	3549	986	7.49		90.4		80.1	
+2	5009	1391	4.34		74.2		79.7	
	4346	1207	6.50		89.1		86.4	
	3781	1050	7.68		98.2		80.4	
+4	5298	1472	4.51		82.6		78.8	
	4642	1290	6.63		97.7		85.8	
	4171	1159	7.73		105.9		82.9	



600ZLB-85 性能参数表 PERFORMANCE DATA

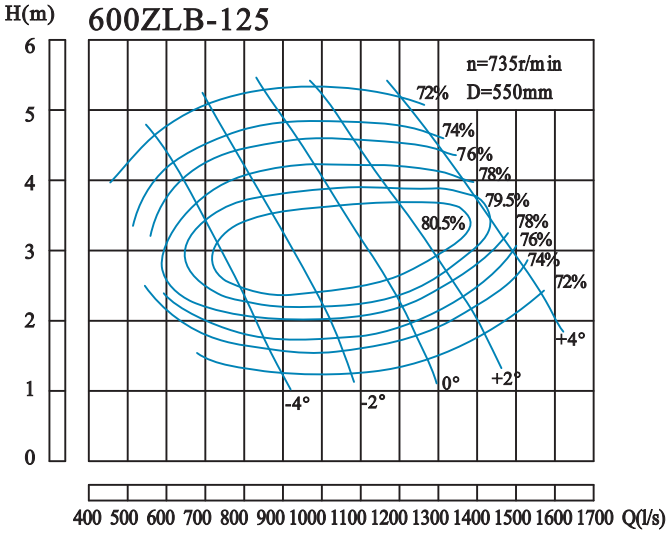
叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-6	3047	846	2.41	735	26.8	45	74.8	550
	2785	774	3.66		33.2		83.8	
	1967	546	6.18		44.3		74.8	
-4	3530	980	2.33		29.9	55	74.8	
	3012	837	4.49		43.4		84.8	
	2154	598	6.55		51.4		74.8	
-2	3968	1102	2.41		34.9	75	74.8	
	3426	952	4.40		48.5		84.8	
	2371	659	6.87		59.3		74.8	
0	4269	1186	2.63		40.9		74.8	
	3756	1043	4.57		54.7		85.6	
	2608	724	7.13		67.7		74.8	
+2	4565	1268	3.03		50.3	90	74.8	
	4013	1115	4.88		63.0		84.8	
	2844	790	7.34		76.0		74.8	
+4	4856	1349	3.39		60.1		74.8	
	4101	1139	5.52		73.6		83.8	
	3106	863	7.33		82.9		74.8	



600ZLB-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	3115	865	2.37	735	25.3	45	79.6	550
	2811	781	3.48		31.9		83.6	
	2418	672	5.01		41.5		79.6	
-4	3486	968	2.25		26.8	55	79.6	
	3149	875	3.54		35.9		84.7	
	2609	725	5.44		48.6		79.6	
-2	3789	1053	2.20		28.6	75	79.6	
	3430	953	3.63		39.7		85.3	
	2811	781	5.61		54.0		79.6	
0	4059	1128	2.26		31.4	75	79.6	
	3711	1031	3.64		43.1		85.4	
	3036	843	5.74		59.7		79.6	
+2	4329	1203	2.50		37.1	75	79.6	
	3936	1093	3.83		47.7		86.1	
	3283	912	5.77		64.8		79.6	
+4	4565	1268	2.76		43.2	75	79.6	
	4217	1171	3.84		51.5		85.8	
	3655	1015	5.48		68.6		79.6	

600ZLB axial flow pump performance curve and data sheet

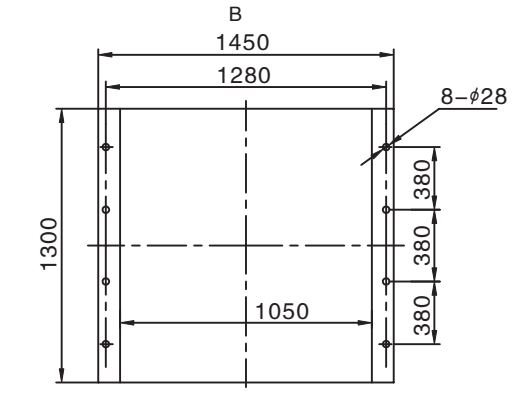


600ZLB-125 性能参数表 PERFORMANCE DATA

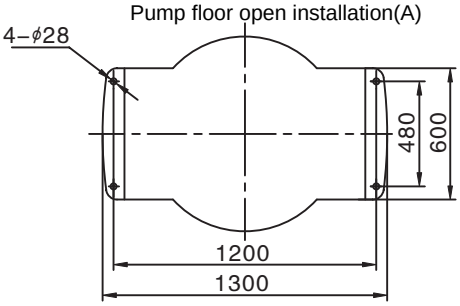
叶片安放角 Angle	流量Q Capacity (m^3/h)	流量Q Capacity (l/s)	扬程H Head (m)	转速n Speed (r/min)	功率 Power (kW) 轴功率 Shaft Power	功率 Power (kW) 配用功率 Motor Power	效率η Efficiency (%)	叶轮直径 Impeller diameter (mm)
-4	3092	859	1.42	735	16.2	37	74.0	550
	2789	775	2.62		24.1		82.5	
	2047	568	4.32		32.5		74.0	
-2	3846	1068	1.38		19.5	55	74.0	
	3452	959	2.71		30.7		82.9	
	2586	718	4.84		46.0		74.0	
0	4498	1249	1.64		27.2	75	74.0	
	4071	1131	2.95		39.4		83.2	
	3092	859	5.01		57.0		74.0	
+2	5004	1390	1.86		34.2		74.0	
	4520	1256	3.09		45.9		82.9	
	3598	1000	5.01		66.3		74.0	
+4	5454	1515	2.42		48.5	90	74.0	
	5128	1424	3.63		62.0		81.7	
	4363	1212	4.88		78.3		74.0	

700ZLB outside installation diagram

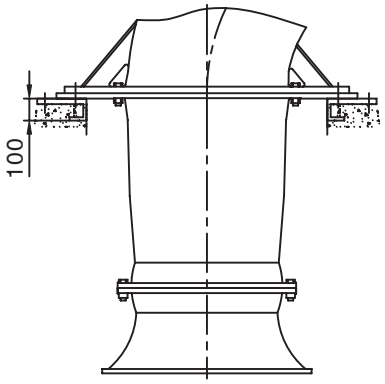
Model	Pump weight	Rotation weight	Transmission weight	Maximum axial force	Introduction
700ZLB-50	1200	400	800	3815	1, L is generally 1800-6600 and middle bearing is needed if L is more than 3800. 2, Motor floor load= motor weight+ rotation parts weight+transmission parts weight+maximum axial force
700ZLB-60	1200	400	800	3515	
700ZLB-70(C)	1200	400	800	4048	
700ZLB-70N	1200	400	800	2983	
700ZLB-85(C)	1200	400	800	3621	
700ZLB-100(C)	1200	400	800	3044	
700ZLB-125(C)	1200	400	800	2671	



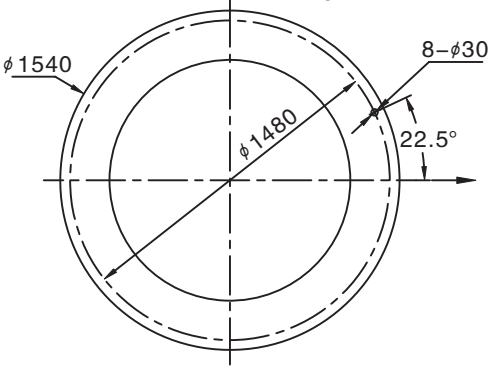
Pump floor open installation(A)

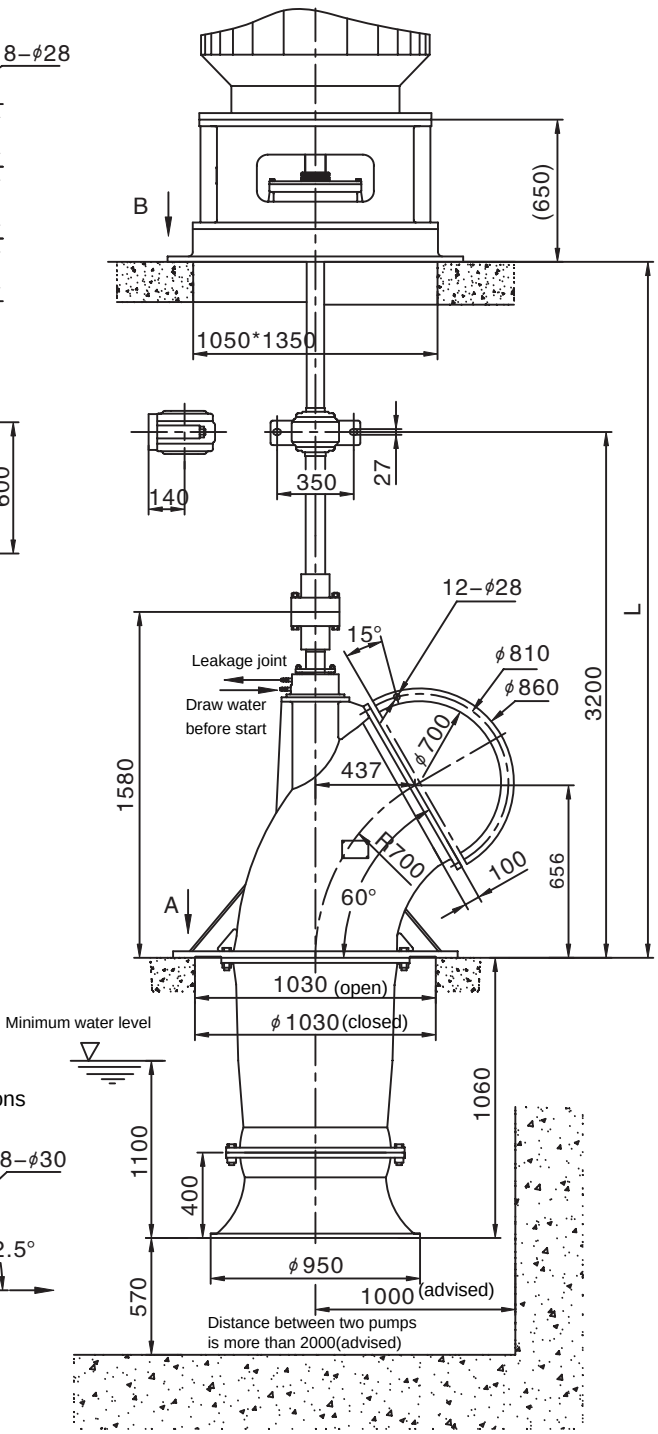


Pump floor closed installation



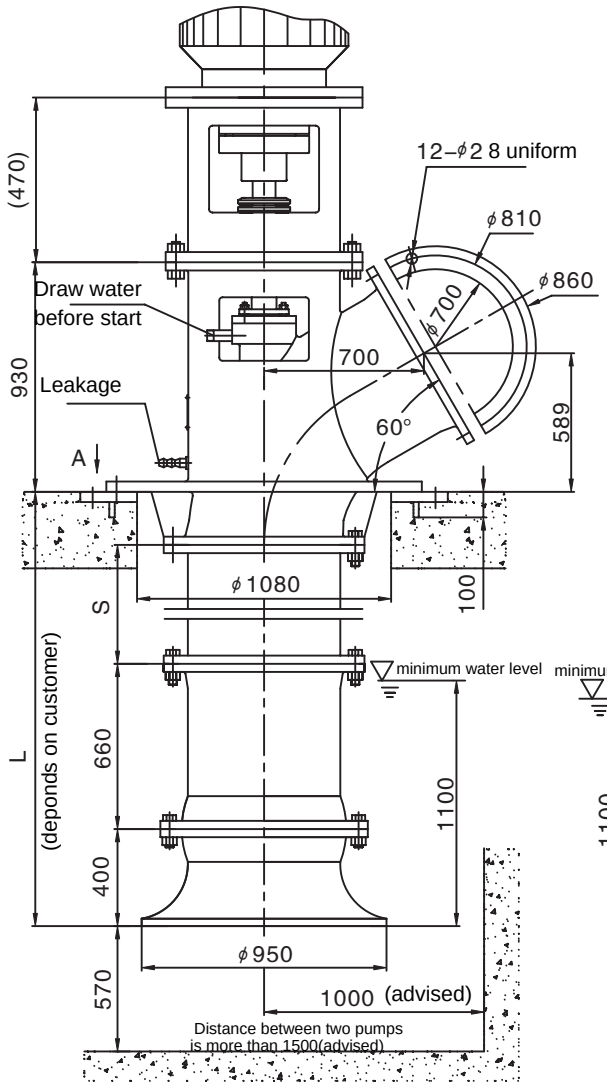
Closed installation base ring dimensions



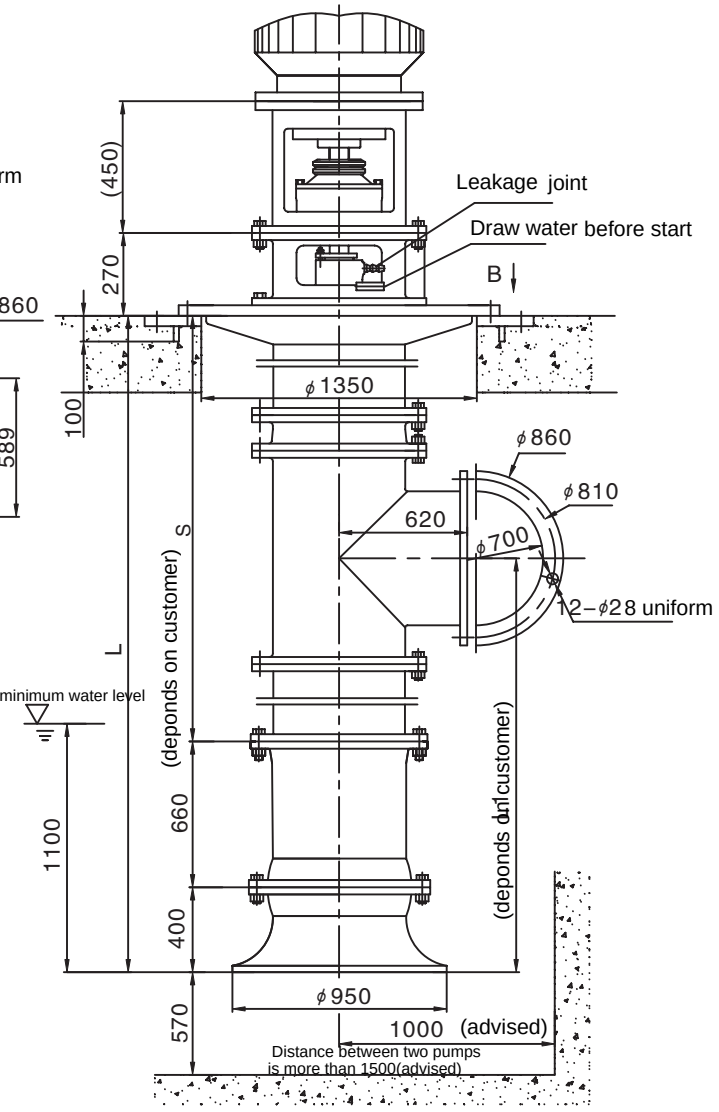


700ZLB/X,700ZLB/1X without transmission shaft outside istallation diagram

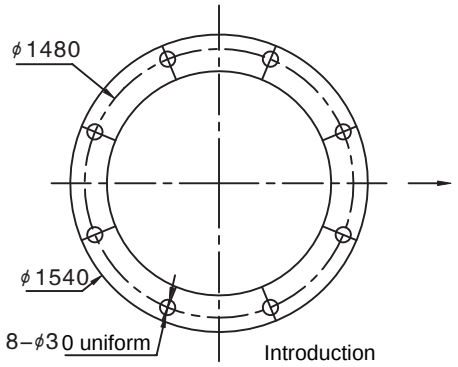
700ZLB/X top discharge no-transmission shaft installation(closed)



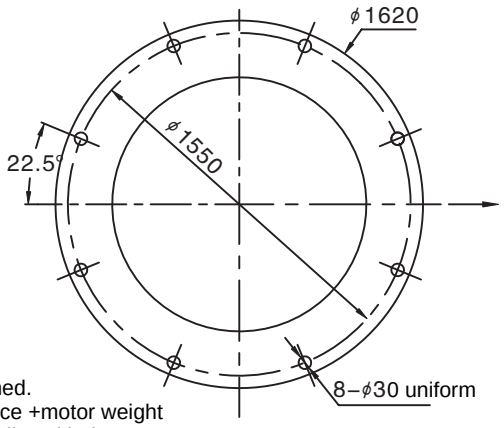
700ZLB/1X down discharge no-transmission shaft installation (closed)



A (top discharge base ring)



B (down discharge base ring)

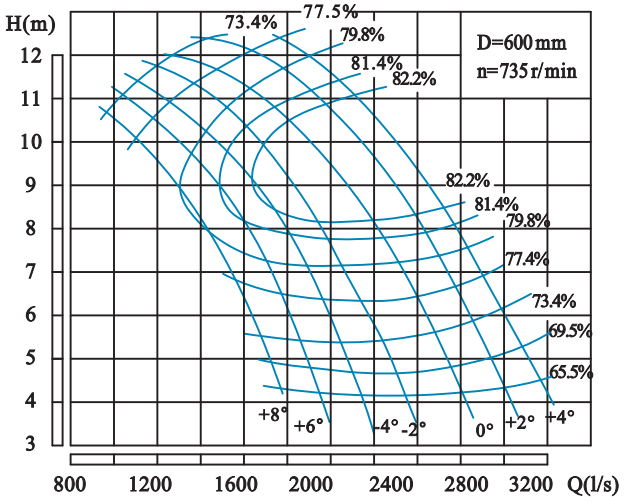


Introduction

1, Middle support is needed if S is longthened.
2, Pump floor load =pump weight+ axial force +motor weight
3, Pump performance data and curve is similar with the same ZLB's
4, Top discharge minimum L is1580 while down discharge minimum L is 2180.

700ZLB axial flow pump performance curve and data sheet

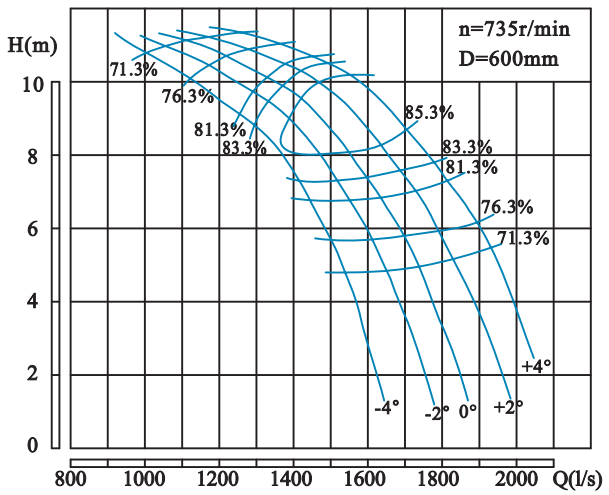
700ZLB-50



700ZLB-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	4463	1240	4.80	735	83.9	132	69.5	600
	3767	1046	8.77		110.0		81.7	
	2982	828	11.04		120.5		74.4	
-4	4847	1346	4.71		89.4	160	69.5	
	4094	1137	9.04		121.5		82.9	
	3077	855	11.56		130.1		74.4	
-2	5185	1440	4.71		95.6		69.5	
	4218	1172	9.31		128.9		82.9	
	3229	897	11.88		140.4		74.4	
0	5650	1570	4.93		109.2	185	69.5	
	4686	1302	9.35		143.6		83.1	
	3742	1039	11.72		154.0		77.5	
+2	5992	1664	5.04		118.4		69.5	
	4933	1370	9.59		155.3		82.9	
	4026	1118	12.11		171.2		77.5	
+4	6220	1728	5.47		133.3	200	69.5	
	5186	1441	9.85		167.8		82.9	
	4216	1171	12.33		182.6		77.5	

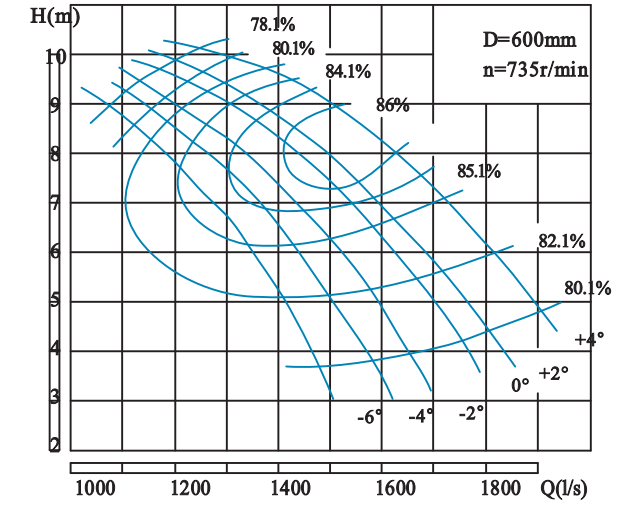
700ZLB-60



700ZLB-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	5209	1447	6.71	735	117.4	160	81.1	600
	4804	1334	8.49		131.5		84.4	
	4477	1244	9.16		138.6		80.5	
-2	5632	1564	6.55		124.7	185	80.5	
	5133	1426	8.60		140.0		85.8	
	4473	1242	9.98		153.4		79.2	
0	5943	1651	6.57		132.1		80.4	
	5297	1471	9.03		151.4		86.0	
	4931	1370	9.91		160.1		83.1	
+2	6224	1729	7.07		150.5	200	79.6	
	5498	1527	9.55		165.6		86.3	
	4877	1355	10.60		176.5		79.8	
+4	6649	1847	6.88		155.8	220	79.9	
	5864	1629	9.59		177.8		86.1	
	5138	1427	10.80		190.1		79.5	

700ZLB-70

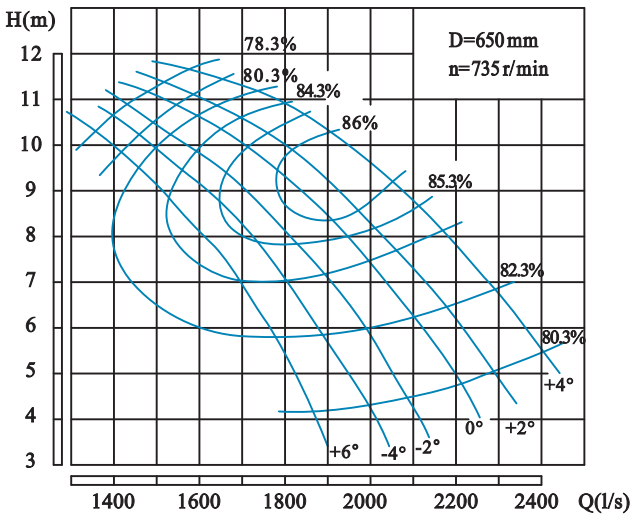


700ZLB-70 性能参数表 PERFORMANCE DATA

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	5256	1460	3.85	735	68.9	132	80.1	600
	4672	1298	6.78		102.7		84.1	
	3869	1075	8.74		117.9		78.1	
-4	5620	1561	3.96		75.7		80.1	
	4788	1330	7.19		110.3		85.1	
	4015	1115	9.13		127.8		78.1	
-2	5912	1642	4.11		82.7	160	80.1	
	5037	1399	7.50		121.0		85.1	
	4102	1140	9.25		132.4		78.1	
0	6204	1723	4.42		93.3		80.1	
	5241	1456	7.83		129.9		86.1	
	4204	1168	9.56		140.2		78.1	
+2	6423	1784	4.62		101.1		80.1	
	5372	1492	7.91		133.8		86.6	
	4248	1180	9.66		143.2		78.1	
+4	6745	1873	5.04		115.6	185	80.1	
	5577	1549	8.43		148.7		86.1	
	4511	1253	9.87		155.3		78.1	

700ZLB axial flow pump performance curve and data sheet

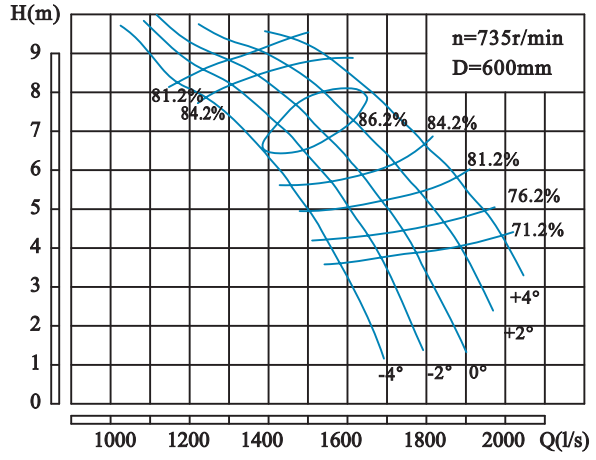
700ZLB-70C



700ZLB-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	6682	1856	4.52	735	102.6	185	80.3	650
	5939	1650	7.96		152.8		84.3	
	4919	1366	10.25		175.5		78.3	
-4	7146	1985	4.64		112.6	200	80.3	
	6088	1691	8.44		164.2		85.3	
	5104	1418	10.71		190.3		78.3	
-2	7517	2088	4.82		123.1	220	80.3	
	6403	1779	8.81		180.1		85.3	
	5216	1449	10.86		197.0		78.3	
0	7888	2191	5.19		138.8		80.3	
	6663	1851	9.19		193.4		86.3	
	5346	1485	11.22		208.7		78.3	
+2	8167	2269	5.43		150.4	250	80.3	
	6830	1897	9.29		199.2		86.8	
	5401	1500	11.34		213.1		78.3	
+4	8575	2382	5.91		172.0		80.3	
	7090	1970	9.89		221.4		86.3	
	5735	1593	11.58		231.1		78.3	

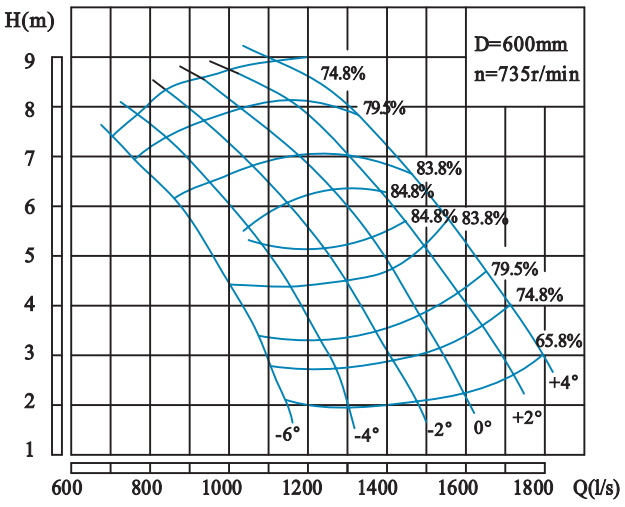
700ZLB-70N



700ZLB-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	5394	1498	5.05	735	90.8	132	81.7	600
	4921	1367	6.73		104.6		86.2	
	4110	1142	8.43		119.1		79.2	
-2	5821	1617	4.83		96.0	132	79.8	
	5231	1453	6.92		114.1		86.4	
	4369	1214	8.70		128.9		80.3	
0	6142	1706	4.97		104.6	160	79.5	
	5365	1490	7.46		125.6		86.8	
	4608	1280	8.91		139.7		80.1	
+2	6503	1806	5.16		114.6	185	79.7	
	5642	1567	7.74		137.6		86.4	
	4909	1364	9.13		151.8		80.4	
+4	6878	1911	5.37		127.6		78.8	
	6027	1674	7.89		150.9		85.8	
	5415	1504	9.20		163.6		82.9	

700ZLB-85

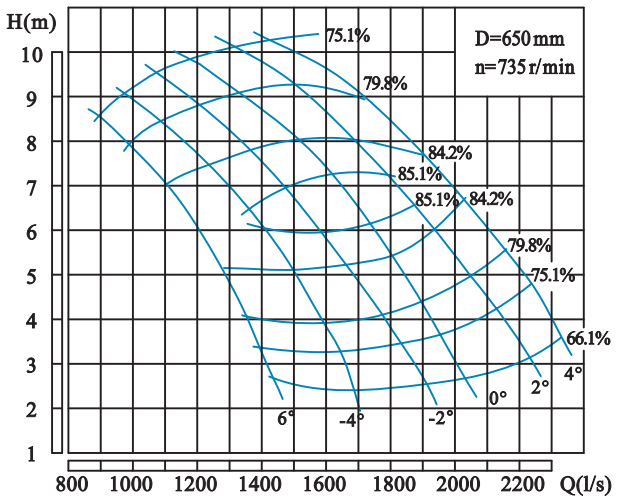


700ZLB-85 性能参数表 PERFORMANCE DATA

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	3955	1099	2.87	735	41.4	75	74.8	600
	3616	1004	4.36		51.3		83.8	
	2554	709	7.35		68.4		74.8	
-4	4582	1273	2.77		46.2	90	74.8	
	3910	1086	5.34		67.1		84.8	
	2797	777	7.80		79.5		74.8	
-2	5152	1431	2.87		53.9	110	74.8	
	4448	1236	5.24		74.9		84.8	
	3078	855	8.17		91.6		74.8	
0	5542	1540	3.13		63.2		74.8	
	4877	1355	5.44		84.2		85.8	
	3386	940	8.48		104.6		74.8	
+2	5926	1646	3.60		77.7	132	74.8	
	5210	1447	5.81		97.3		84.8	
	3693	1026	8.73		117.4		74.8	
+4	6304	1751	4.04		92.8		74.8	
	5325	1479	6.57		113.8		83.8	
	4032	1120	8.72		128.1		74.8	

700ZLB axial flow pump performance curve and data sheet

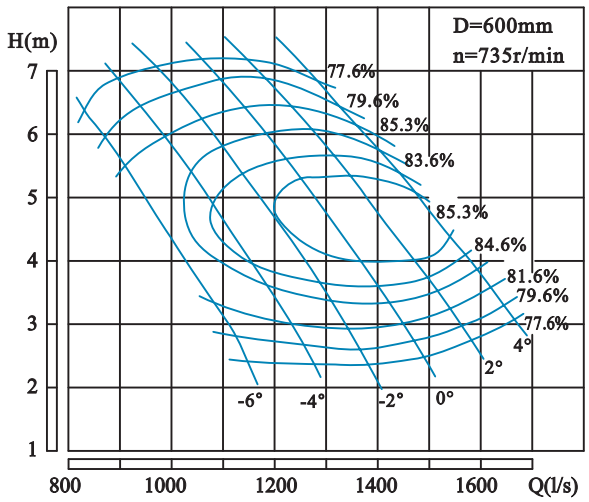
700ZLB-85C



700ZLB-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	5029	1397	3.37	735	61.5	110	75.1	650
	4597	1277	5.12		76.2		84.1	
	3247	902	8.63		101.6		75.1	
-4	5826	1618	3.25		68.7	132	75.1	
	4972	1381	6.27		99.8		85.1	
	3556	988	9.15		118.1		75.1	
-2	6550	1820	3.37		80.1	160	75.1	
	5655	1571	6.15		111.4		85.1	
	3914	1087	9.59		136.2		75.1	
0	7047	1957	3.67		93.9		75.1	
	6200	1722	6.38		125.3		86.1	
	4304	1196	9.95		155.4		75.1	
+2	7535	2093	4.23		115.5	185	75.1	
	6624	1840	6.82		144.6		85.1	
	4695	1304	10.25		174.5		75.1	
+4	8015	2226	4.74		137.9	200	75.1	
	6770	1881	7.71		169.1		84.1	
	5126	1424	10.23		190.4		75.1	

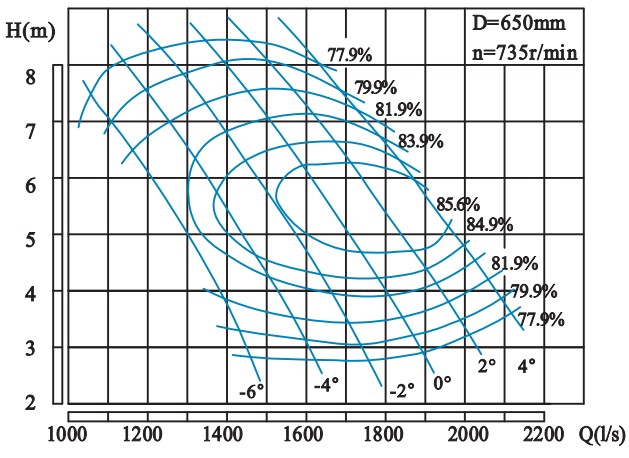
700ZLB-100



700ZLB-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	4044	1123	2.83	735	39.1	75	79.6	600
	3650	1014	4.14		49.3		83.6	
	3139	872	5.96		64.1		79.6	
-4	4526	1257	2.67		41.4	90	79.6	
	4088	1135	4.21		55.4		84.7	
	3387	941	6.47		75.1		79.6	
-2	4920	1367	2.62		44.1		79.6	
	4453	1237	4.32		61.4		85.3	
	3650	1014	6.68		83.5		79.6	
0	5270	1464	2.69		48.6	110	79.6	
	4818	1338	4.33		66.3		85.6	
	3942	1095	6.83		92.2		79.6	
+2	5620	1561	2.98		57.3		79.6	
	5110	1419	4.55		73.6		86.1	
	4263	1184	6.87		100.2		79.6	
+4	5927	1646	3.29		66.7		79.6	
	5474	1521	4.57		79.5		85.8	
	4745	1318	6.53		106.0		79.6	

700ZLB-100C

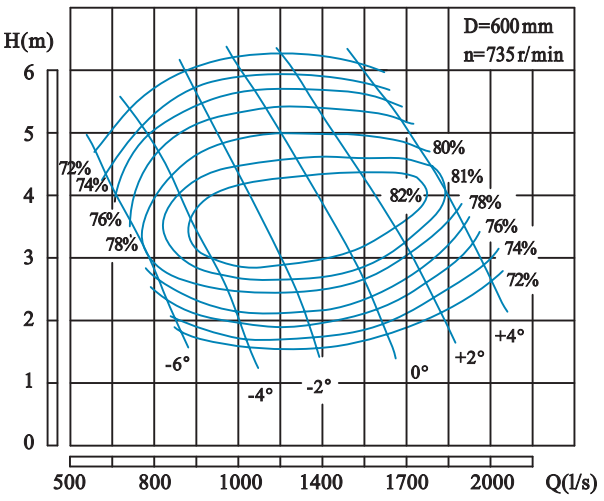


700ZLB-100C 性能参数表 PERFORMANCE DATA

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	5141	1428	3.32	735	58.1	110	79.9	650
	4640	1289	4.86		73.2		83.9	
	3991	1108	7.00		95.1		79.9	
-4	5754	1598	3.14		61.5	132	79.9	
	5197	1444	4.95		82.3		85.0	
	4306	1196	7.60		111.5		79.9	
-2	6255	1738	3.08		65.5		79.9	
	5661	1573	5.07		91.2		85.6	
	4640	1289	7.84		124.0		79.9	
0	6700	1861	3.16		72.1	160	79.9	
	6125	1701	5.08		98.6		85.9	
	5011	1392	8.02		137.0		79.9	
+2	7146	1985	3.50		85.2		79.9	
	6496	1805	5.34		109.4		86.4	
	5420	1505	8.06		148.8		79.9	
+4	7536	2093	3.86		99.1		79.9	
	6960	1933	5.37		118.1		86.1	
	6032	1676	7.66		157.4		79.9	

700ZLB axial flow pump performance curve and data sheet

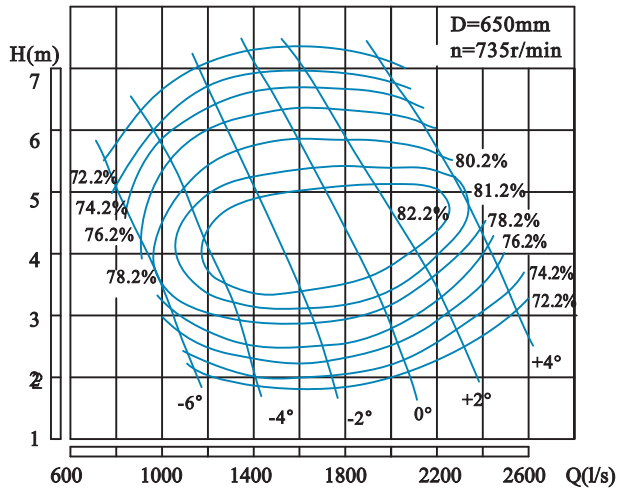
700ZLB-125



700ZLB-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	4015	1115	1.70	735	25.0	55	74.0	600
	3620	1006	3.11		37.2		82.5	
	2657	738	5.14		50.2		74.0	
-2	4993	1387	1.64		30.2	75	74.0	
	4482	1245	3.23		47.5		82.9	
	3358	933	5.76		71.1		74.0	
0	5839	1622	1.95		41.9	90	74.0	
	5285	1468	3.51		60.6		83.5	
	4015	1115	5.96		88.0		74.0	
+2	6496	1805	2.21		52.8	110	74.0	
	5869	1630	3.68		70.9		82.9	
	4672	1298	5.96		102.4		74.0	
+4	7080	1967	2.88		75.0	132	74.0	
	6657	1849	4.32		95.7		81.7	
	5664	1573	5.81		121.0		74.0	

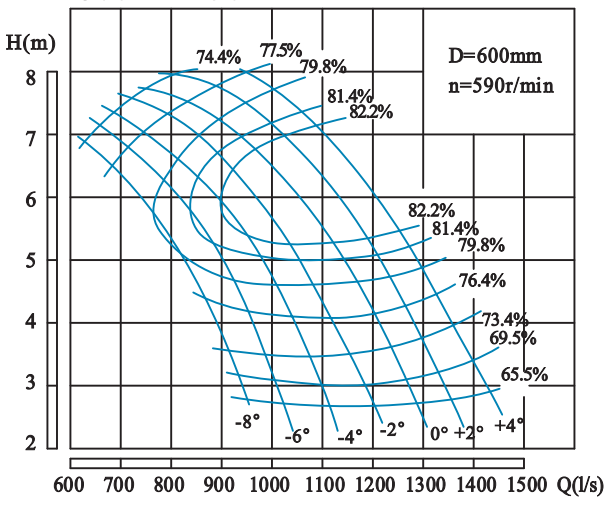
700ZLB-125C



700ZLB-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	5070	1408	1.96	735	36.5	75	74.2	650
	4572	1270	3.61		54.3		82.7	
	3355	932	5.95		73.2		74.2	
-2	6305	1751	1.90		44.0	110	74.2	
	5659	1572	3.74		69.3		83.1	
	4240	1178	6.66		103.6		74.2	
0	7374	2048	2.26		61.2	132	74.2	
	6673	1854	4.07		88.3		83.7	
	5070	1408	6.90		128.4		74.2	
+2	8203	2279	2.56		77.0	160	74.2	
	7411	2059	4.26		103.4		83.1	
	5899	1639	6.90		149.4		74.2	
+4	8941	2484	3.33		109.3	185	74.2	
	8406	2335	5.00		139.6		81.9	
	7153	1987	6.72		176.4		74.2	

700ZLB-50



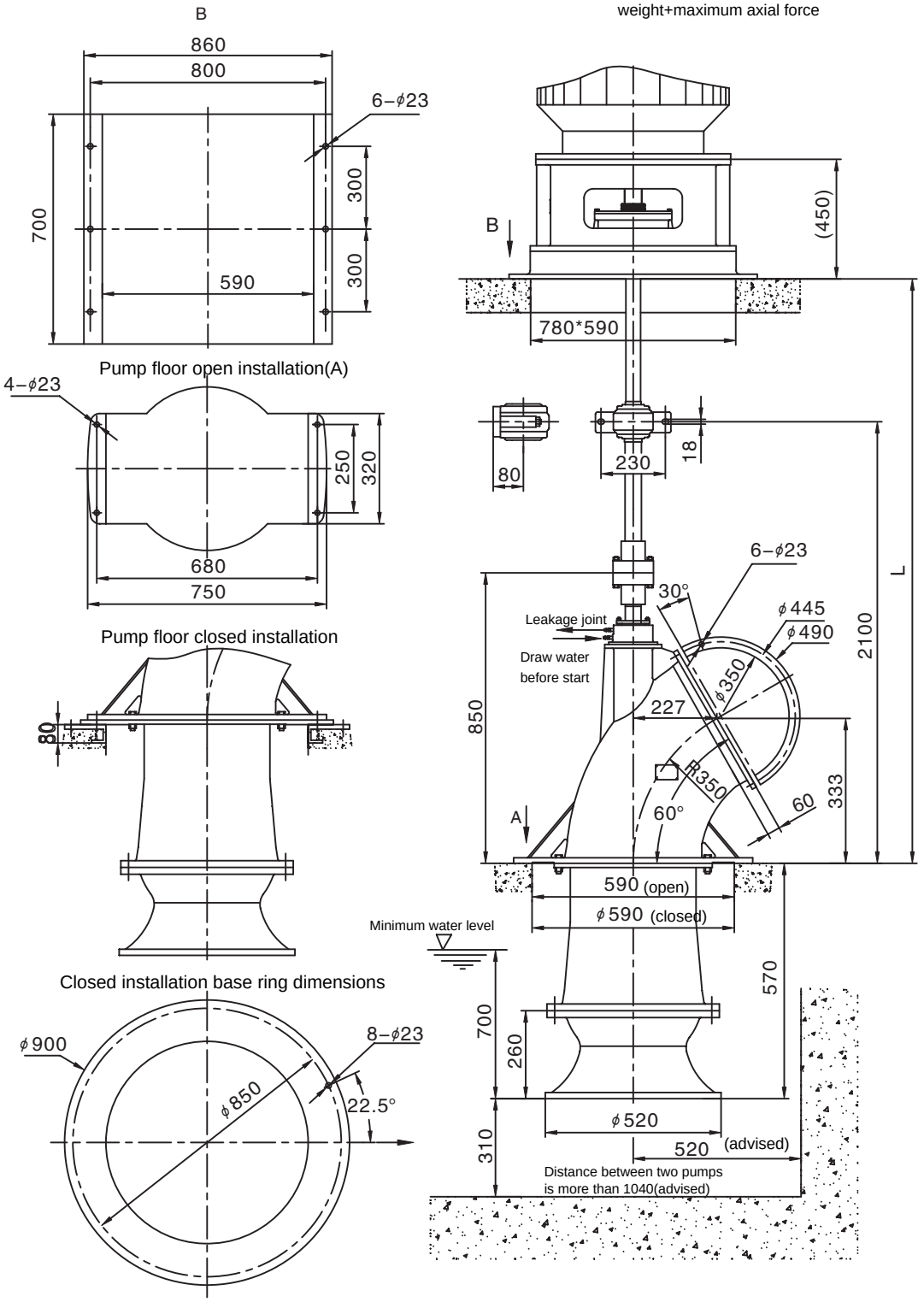
700ZLB-50 性能参数表 PERFORMANCE DATA

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	3583	995	3.09	590	43.4	75	69.5	600
	3024	840	5.65		56.9		81.7	
	2394	665	7.12		62.3		74.4	
-4	3891	1081	3.03		46.2		69.5	
	3287	913	5.82		62.8		82.9	
	2470	686	7.45		67.3		74.4	
-2	4162	1156	3.03		49.5	90	69.5	
	3386	940	6.00		66.7		82.9	
	2592	720	7.66		72.6		74.4	
0	4536	1260	3.18		56.5		69.5	
	3762	1045	6.02		74.3		83.1	
	3003	834	7.55		79.6		77.5	
+2	4810	1336	3.25		61.2	110	69.5	
	3960	1100	6.18		80.3		82.9	
	3232	898	7.80		88.6		77.5	
+4	4993	1387	3.53		68.9		69.5	
	4163	1156	6.35		86.8		82.9	
	3385	940	7.95		94.5		77.5	

350HLB outside installation diagram

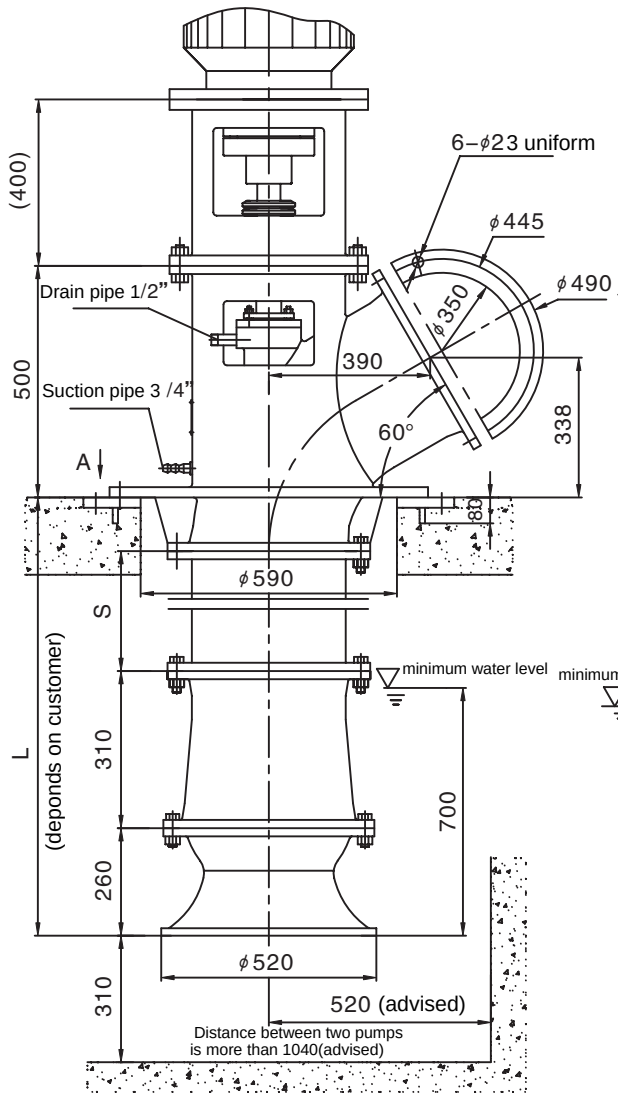
Model	Pump weight	Rotation weight	Transmission weight	Maximum axial force	Introduction
350HLB-40	400	90	300	1600	1, L is generally 1800-6600 and middle bearing is needed if L is more than 3800.
350HLB-50(C)	400	90	300	2000	
350HLB-60	400	90	300	1350	

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



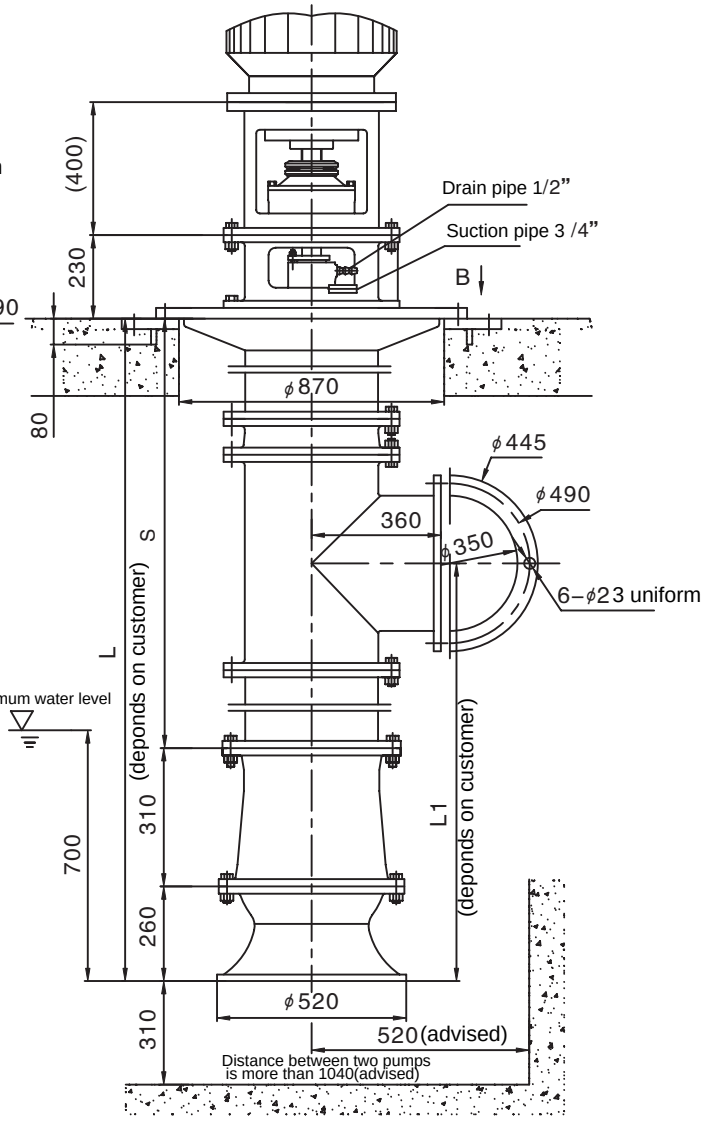
350HLB/X,350HLB/1X without transmission shaft outside istallation diagram

350HLB/X top discharge no-transmission shaft installation(closed)

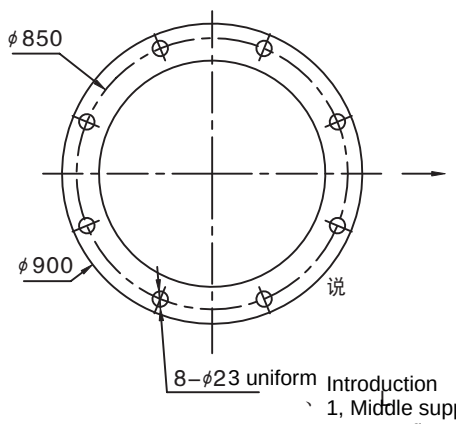


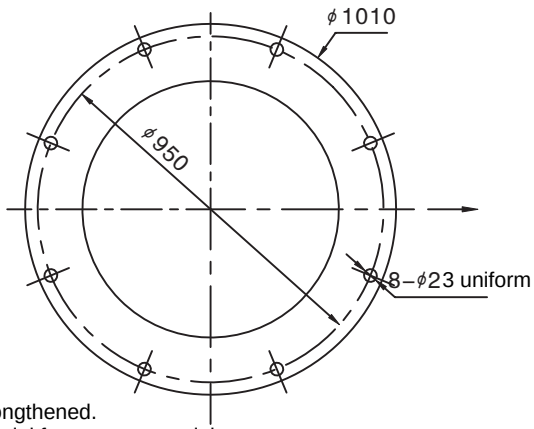
A (top discharge base ring)

350HLB/1X down discharge no-transmission shaft installation (closed)



B (down discharge base ring)



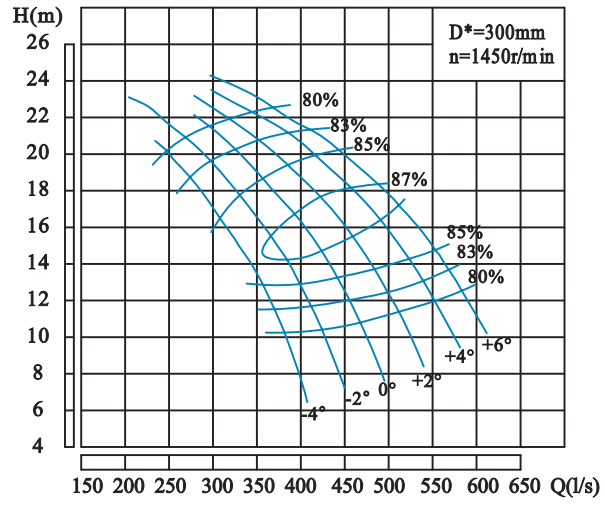


Introduction

1, Middle support is needed if S is longthened.
2, Pump floor load =pump weight+ axial force +motor weight
3, Pump performance data and curve is similar with the same HLB's
4, Top discharge minimum L is 770 while down discharge minimum L is 1500.

350HLB performance data sheet and curve

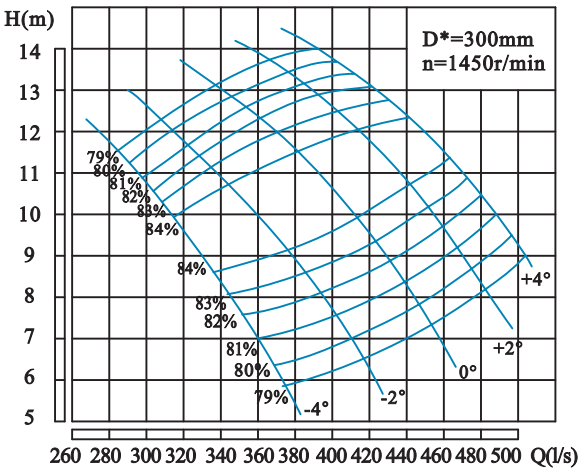
350HLB-40



350HLB-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	1372	381	10.35	1450	48.2	75	80.2	300
	1224	340	14.37		55.4		86.5	
	947	263	19.39		61.0		81.9	
-2	1523	423	10.53		54.3		80.4	
	1379	383	14.44		62.2		87.2	
	1138	316	18.63		68.2		84.6	
0	1678	466	10.91		62.0	90	80.3	
	1440	400	16.45		73.6		87.7	
	1163	323	20.36		78.1		82.6	
+2	1822	506	11.90		72.2	110	81.8	
	1584	440	16.72		82.2		87.7	
	1267	352	20.76		86.0		83.3	
+4	1973	548	12.54		82.5		81.6	
	1717	477	17.17		92.1		87.2	
	1411	392	20.95		96.4		83.5	
+6	2066	574	13.17		90.1	132	82.3	
	1793	498	18.15		101.4		87.3	
	1487	413	21.29		103.6		83.1	

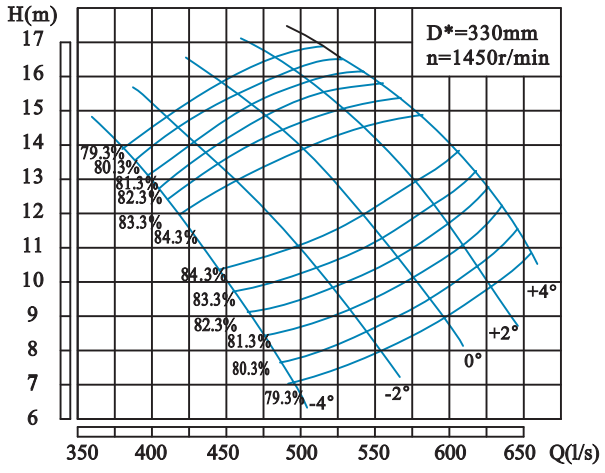
350HLB-50



350HLB-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	1339	372	5.80	1450	26.8	45	79.0	300
	1152	320	9.80		36.6		84.0	
	1026	285	11.50		40.7		79.0	
-2	1494	415	6.50		33.5	55	79.0	
	1260	350	10.70		43.6		84.1	
	1109	308	12.30		47.0		79.0	
0	1624	451	7.30		40.8	75	79.0	
	1379	383	11.30		50.5		84.0	
	1213	337	13.10		54.8		79.0	
+2	1728	480	8.20		48.8		79.0	
	1476	410	12.00		57.4		84.0	
	1314	365	13.70		62.0		79.0	
+4	1811	503	9.00		56.2		79.0	
	1584	440	12.50		64.2		84.0	
	1404	390	14.00		67.7		79.0	

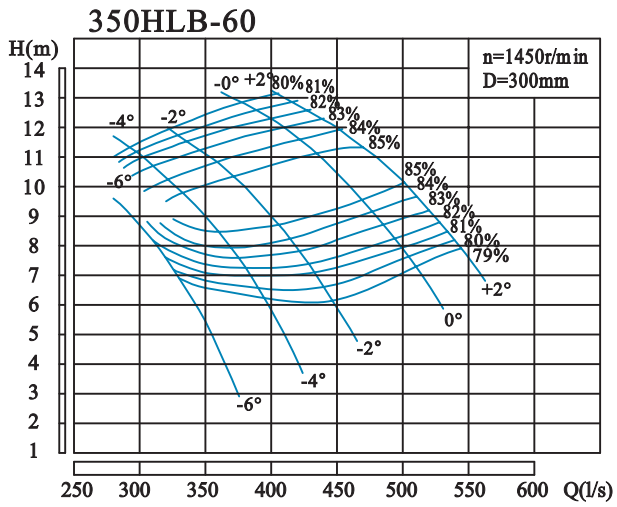
350HLB-50C



350HLB-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	1782	495	7.02	1450	42.9	75	79.3	330
	1533	426	11.86		58.7		84.3	
	1366	379	13.92		65.2		79.3	
-2	1989	552	7.87		53.7	90	79.3	
	1677	466	12.95		70.0		84.4	
	1476	410	14.88		75.4		79.3	
0	2161	600	8.83		65.5	110	79.3	
	1835	510	13.67		81.0		84.3	
	1615	449	15.85		87.9		79.3	
+2	2300	639	9.92		78.3		79.3	
	1965	546	14.52		92.1		84.3	
	1749	486	16.58		99.5		79.3	
+4	2410	669	10.89		90.1	132	79.3	
	2108	586	15.13		103.0		84.3	
	1869	519	16.94		108.7		79.3	

350HLB performance data sheet and curve



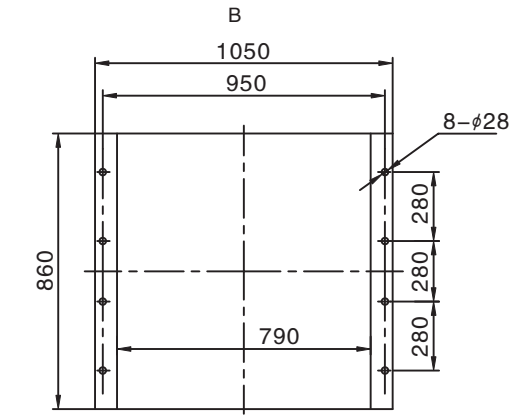
350HLB-60 性能参数表 PERFORMANCE DATA

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	1173	326	7.19	1450	28.7	37	80.0	300
	1116	310	8.17		30.2		82.2	
	1037	288	9.62		32.7		83.0	
-4	1404	390	6.58		31.4	45	80.0	
	1251	347	9.07		35.9		85.9	
	1053	293	11.33		40.6		80.0	
-2	1584	440	6.61		35.6	55	80.0	
	1388	386	9.63		42.4		85.8	
	1161	323	11.95		47.2		80.0	
0	1817	505	7.64		47.2	75	80.0	
	1562	434	11.10		55.2		85.5	
	1360	378	12.85		59.5		80.0	
+2	1941	539	8.19		54.1		80.0	
	1722	478	11.08		60.9		85.3	
	1457	405	13.15		65.2		80.0	

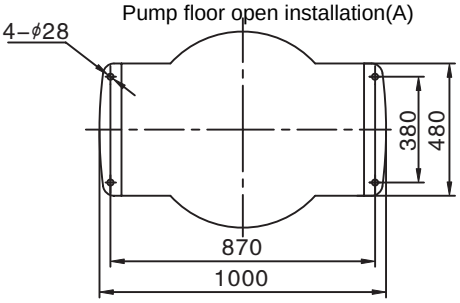
500HLB outside installation diagram

Model	Pump weight	Rotation weight	Transmission weight	Maximum axial force	Introduction
500HLB-40	700	90	350	3350	1, L is generally 1800-6600 and middle bearing is needed if L is more than 3800.
500HLB-50	700	90	350	3000	
500HLB-60	700	90	350	2800	

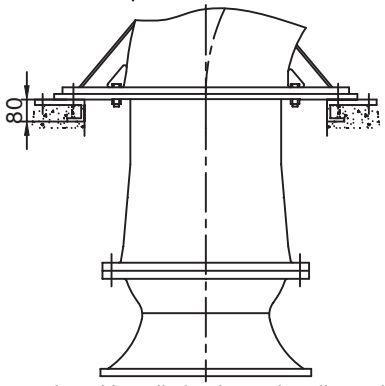
2, Motor floor load= motor weight+ rotation parts weight+transmission parts weight+maximum axial force



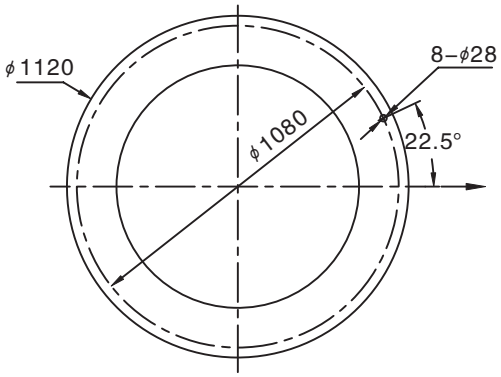
Pump floor open installation(A)

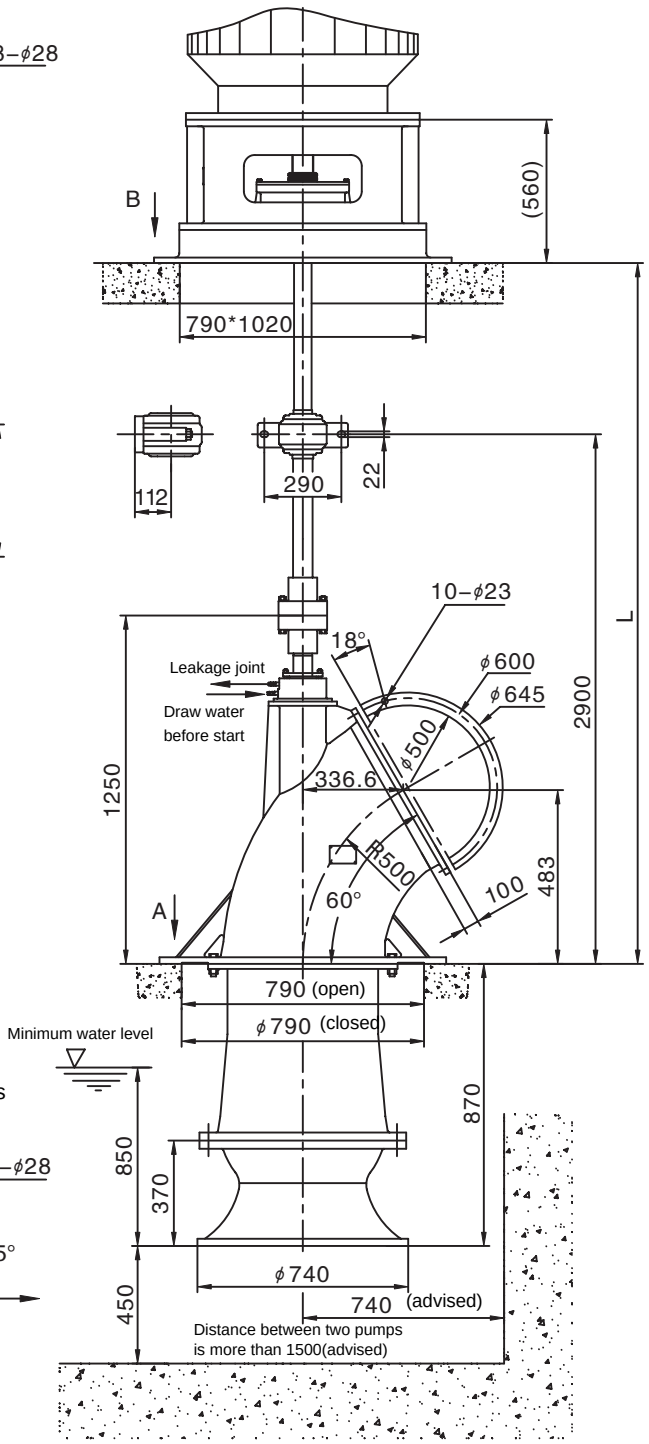


Pump floor closed installation



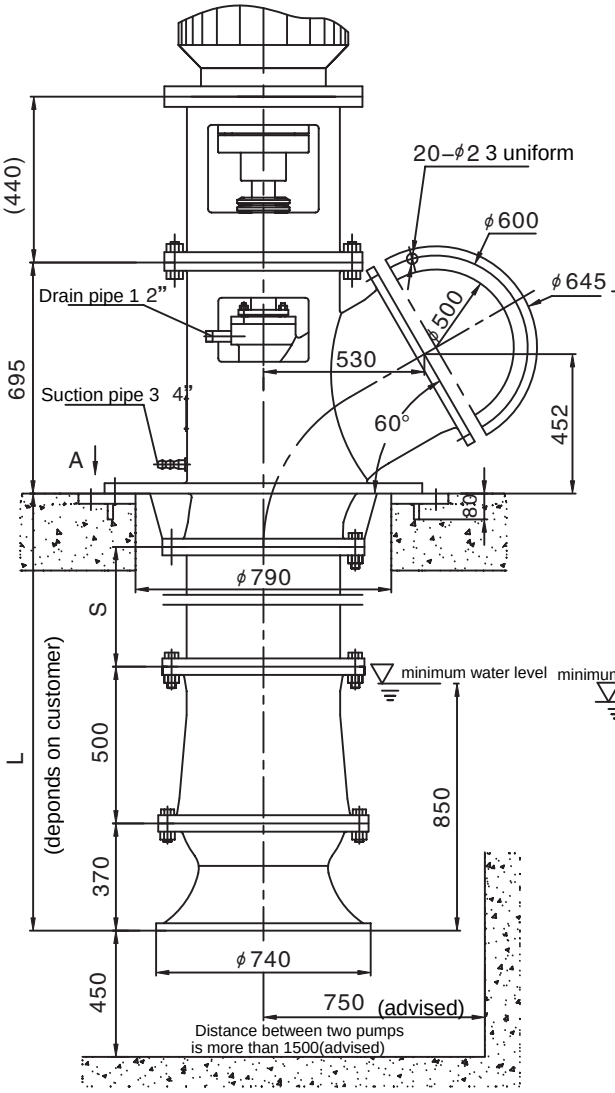
Closed installation base ring dimensions



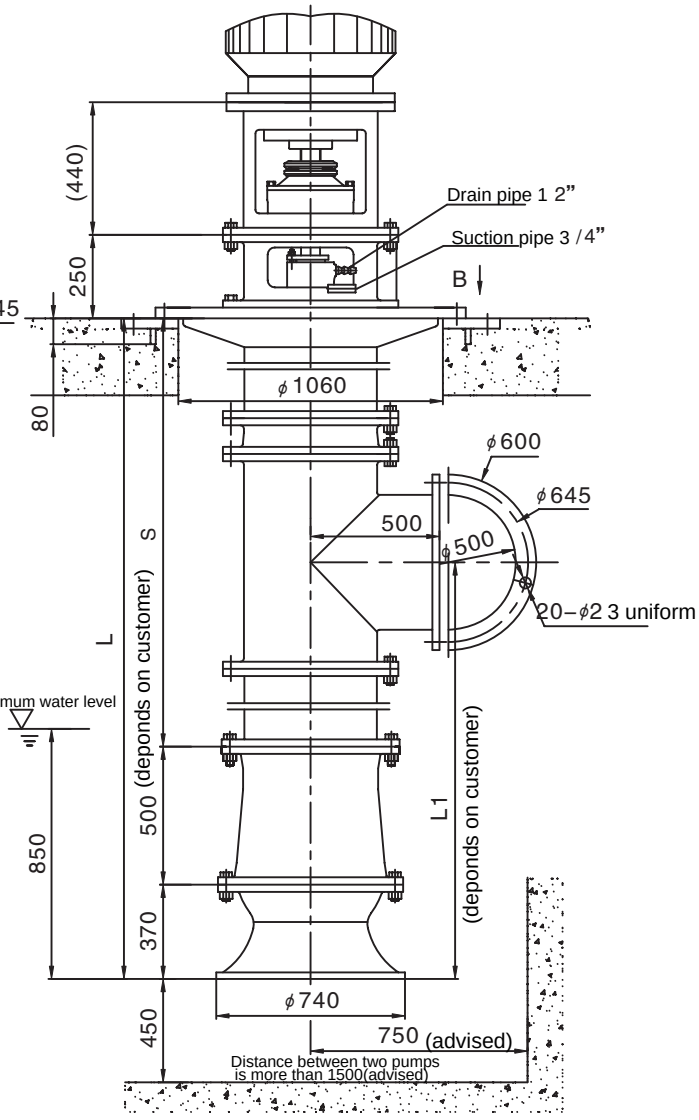


500HLB/X, 500HLB/1X no-transmission shaft pump outside installation diagram

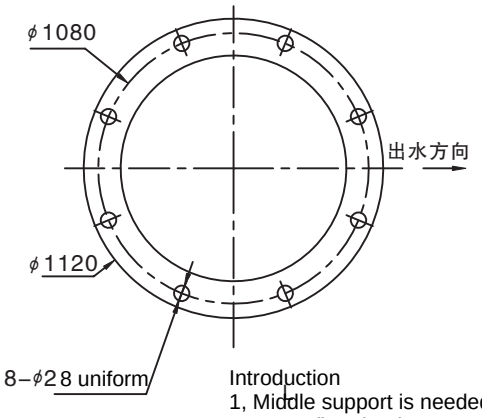
500HLB/X top discharge no-transmission shaft installation(closed)



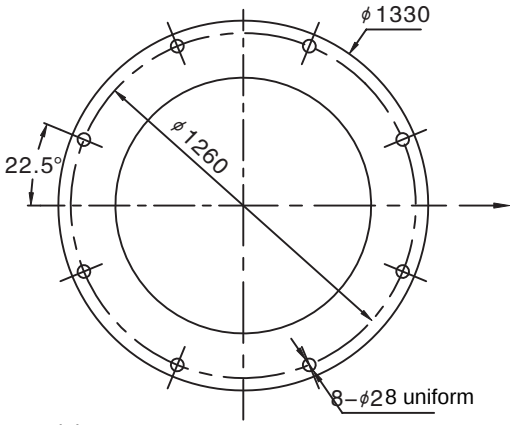
500HLB/1X down discharge no-transmission shaft installation (closed)



A (top discharge base ring)



B (down discharge base ring)



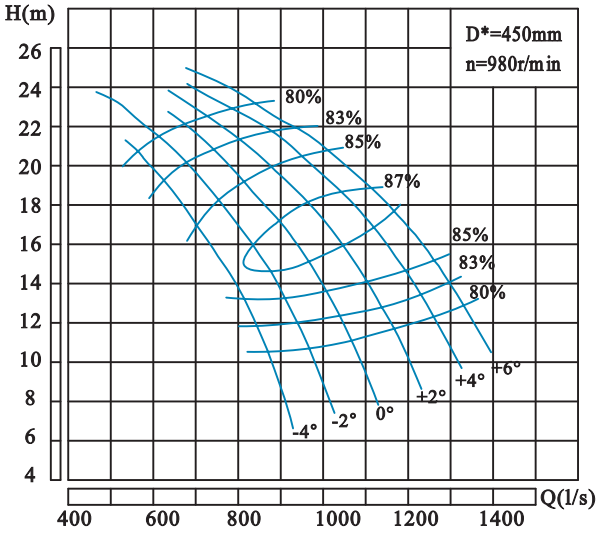
Introduction

1, Middle support is needed if S is longthened.
2, Pump floor load =pump weight+ axial force +motor weight
3, Pump performance data and curve is similar with the same HLB's
4, Top discharge minimum L is 1140 while down discharge minimum L is 1950.

力单位N,长度单位mm

500HLB performance data sheet and curve

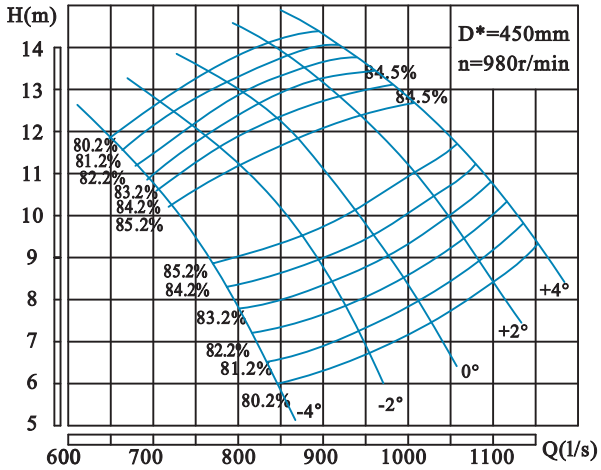
500HLB-40



500HLB-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	3129	869	10.64	980	112.9	155	80.2	450
	2792	776	14.77		129.8		86.5	
	2160	600	19.93		143.0		81.9	
-2	3474	965	10.82		127.4	185	80.4	
	3145	874	14.84		145.7		87.2	
	2595	721	19.15		159.9		84.6	
0	3827	1063	11.21		145.5	200	80.3	
	3285	912	16.91		172.4		87.7	
	2652	737	20.93		183.0		82.6	
+2	4155	1154	12.23		169.2	220	81.8	
	3613	1004	17.18		192.7		87.7	
	2891	803	21.34		201.5		83.3	
+4	4500	1250	12.89		193.5	250	81.6	
	3917	1088	17.65		215.9		87.2	
	3219	894	21.53		226.0		83.5	
+6	4714	1309	13.54		211.1	280	82.3	
	4089	1136	18.65		237.8		87.3	
	3391	942	21.88		243.0		83.1	

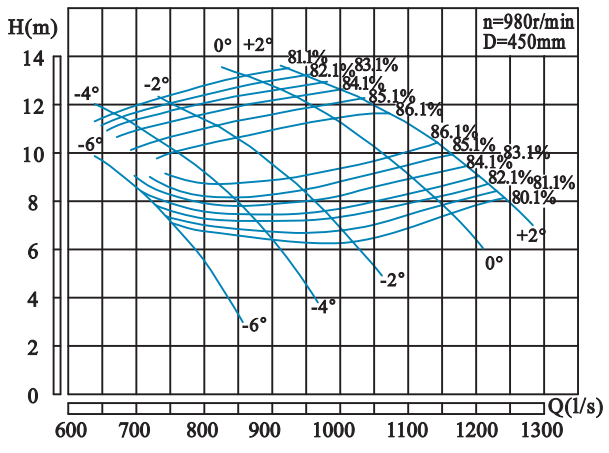
500HLB-50



500HLB-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	3055	849	5.96	980	61.8	110	80.2	450
	2628	730	10.07		84.6		85.2	
	2340	650	11.82		93.9		80.2	
-2	3408	947	6.68		77.3	132	80.2	
	2874	798	11.00		100.9		85.3	
	2529	703	12.64		108.5		80.2	
0	3703	1029	7.50		94.3		80.2	
	3145	874	11.61		116.6		85.2	
	2767	769	13.46		126.5		80.2	
+2	3942	1095	8.43		112.8	160	80.2	
	3367	935	12.33		132.7		85.2	
	2997	833	14.08		143.3		80.2	
+4	4130	1147	9.25		129.7	185	80.2	
	3613	1004	12.85		148.3		85.2	
	3203	890	14.39		156.4		80.2	

500HLB-60



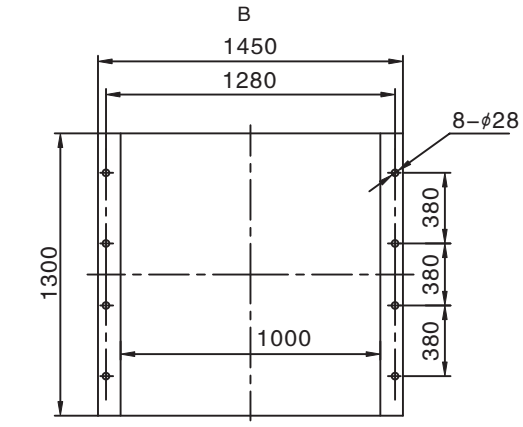
500HLB-60 性能参数表 PERFORMANCE DATA

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	2675	743	7.39	980	66.3	90	81.1	450
	2546	707	8.40		69.9		83.3	
	2365	657	9.89		75.7		84.1	
-4	3203	890	6.76		72.7	110	81.1	
	2853	792	9.32		83.2		87.0	
	2402	667	11.64		93.9		81.1	
-2	3612	1003	6.79		82.4	132	81.1	
	3166	879	9.90		98.2		86.9	
	2648	736	12.28		109.2		81.1	
-0	4144	1151	7.85		109.2	160	81.1	
	3563	990	11.41		127.8		86.6	
	3102	862	13.21		137.5		81.1	
+2	4429	1230	8.42		125.1		81.1	
	3928	1091	11.39		140.9		86.4	
	3322	923	13.52		150.7		81.1	

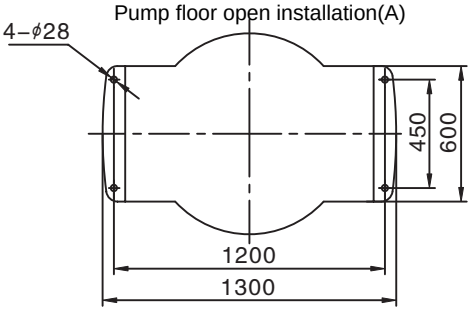
600HLB outside installation diagram

Model	Pump weight	Rotation weight	Transmission weight	Maximum axial force	Introduction
600HLB-40	1000	180	800	4970	1, L is generally 1800-6600 and middle bearing is needed if L is more than 3800.
600HLB-50	1000	180	800	3700	
600HLB-60	1000	180	800	3400	

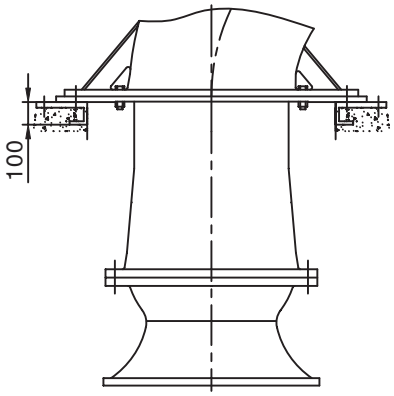
2, Motor floor load= motor weight+ rotation parts weight+transmission parts weight+maximum axial force



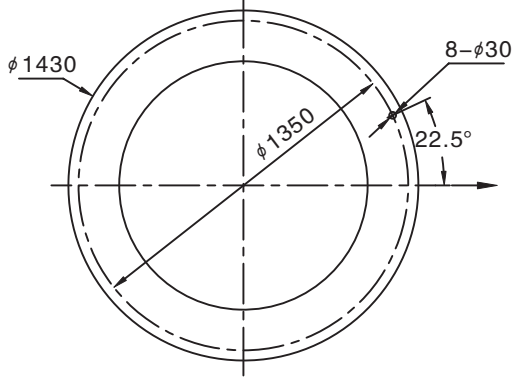
Pump floor open installation(A)

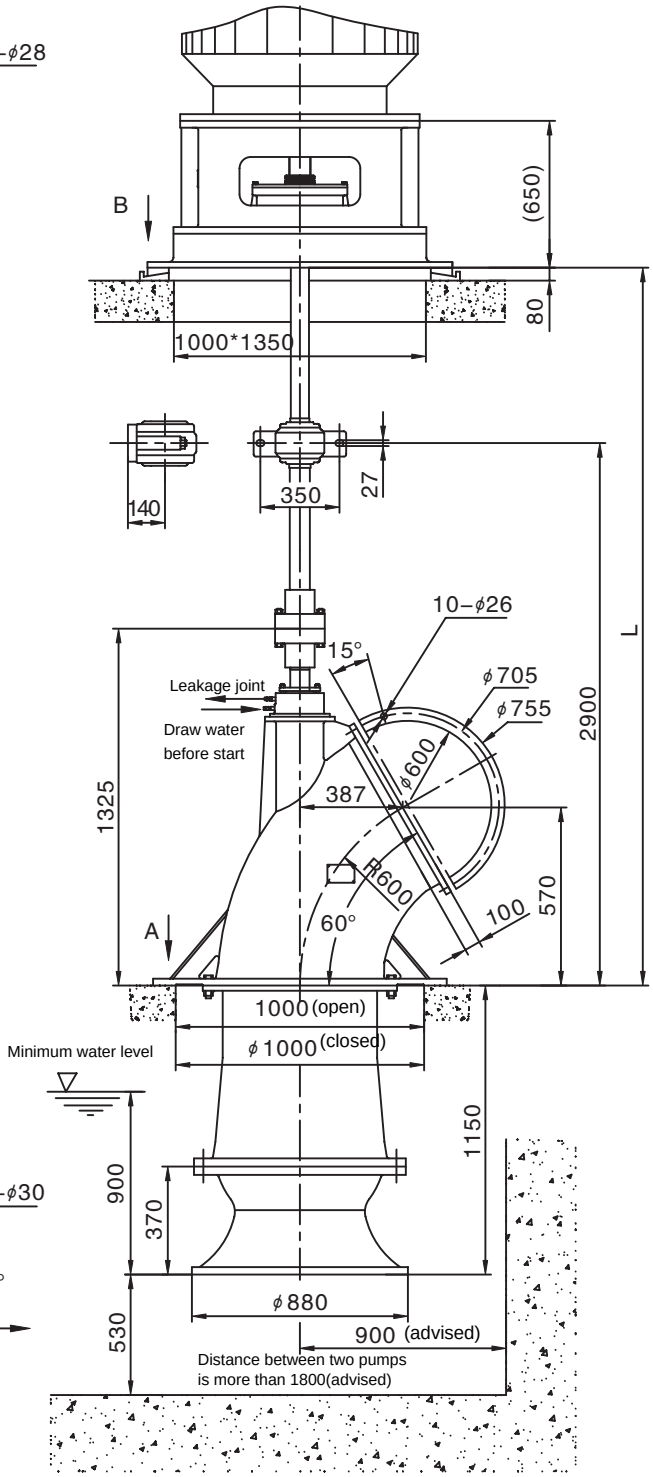


Pump floor closed installation



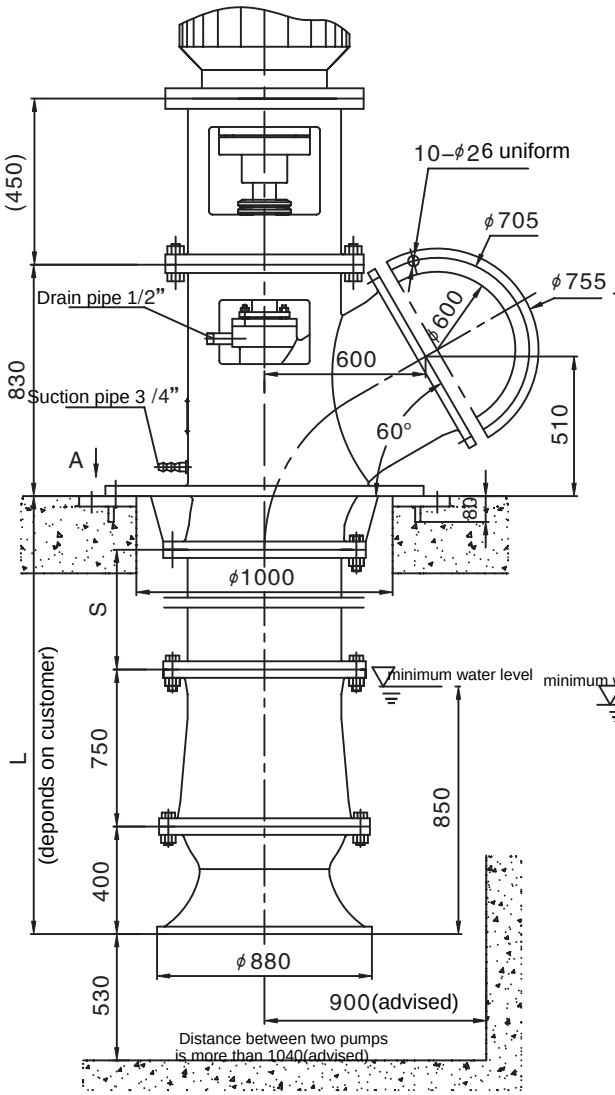
Closed installation base ring dimensions



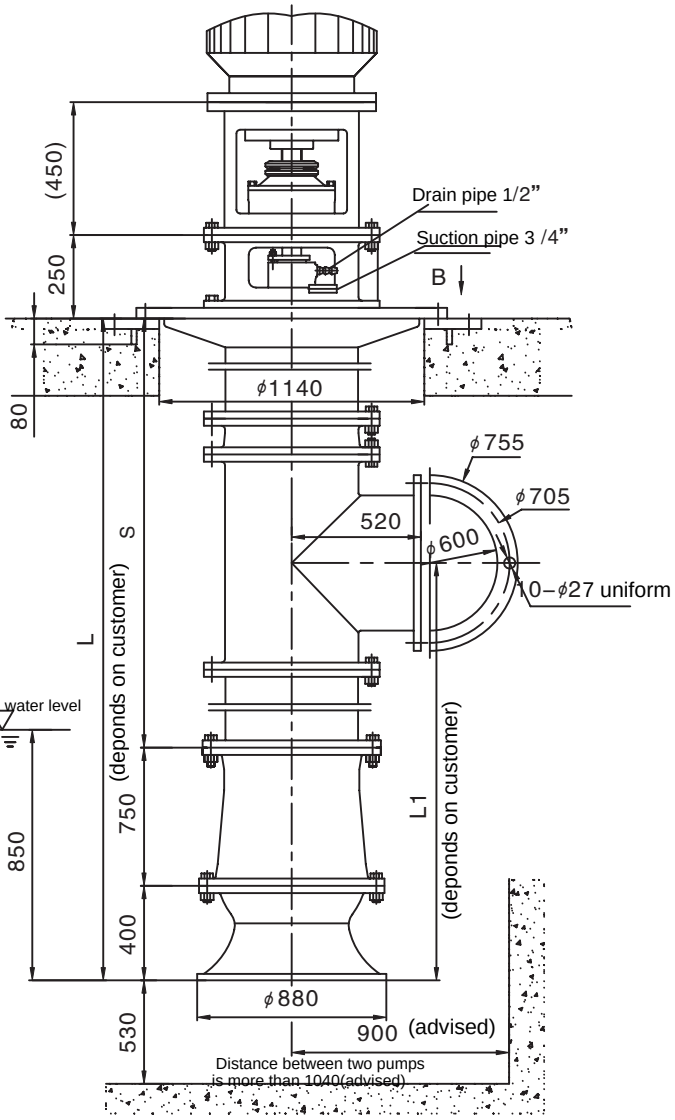


600HLB/X, 600HLB/1X no-transmission shaft pump outside installation diagram

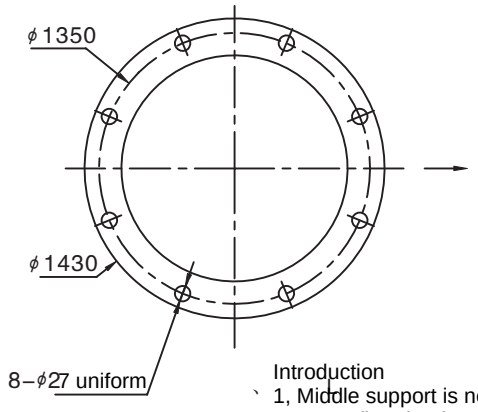
600HLB/X top discharge no-transmission shaft installation(closed)



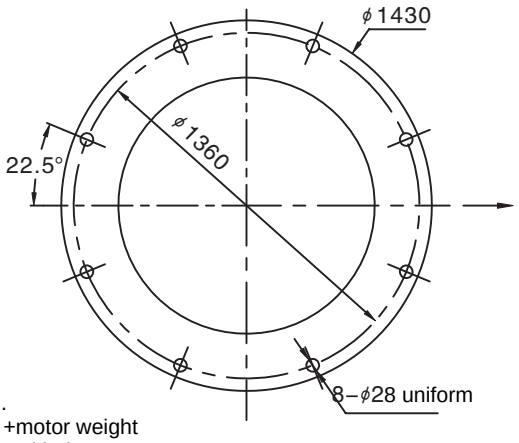
600HLB/1X down discharge no-transmission shaft installation (closed)



A (top discharge base ring)



B (down discharge base ring)

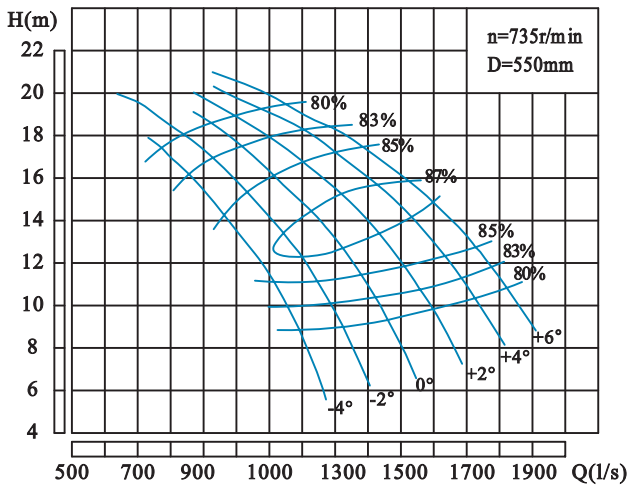


Introduction

1, Middle support is needed if S is longthened.
2, Pump floor load =pump weight+ axial force +motor weight
3, Pump performance data and curve is similar with the same HLB's
4, Top discharge minimum L is 1350 while down discharge minimum L is 2050.

600HLB performance data sheet and curve

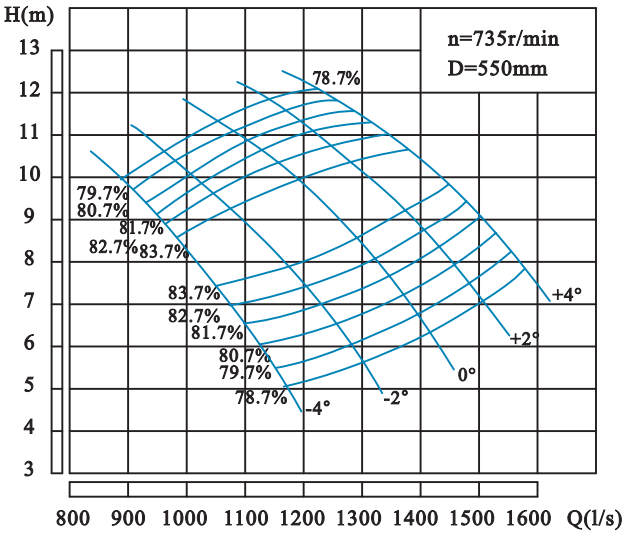
600HLB-40



600HLB-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	4284	1190	8.94	735	129.9	185	80.2	550
	3823	1062	12.41		149.4		86.5	
	2957	821	16.75		164.6		81.9	
-2	4756	1321	9.09		146.5	200	80.4	
	4307	1196	12.47		167.7		87.2	
	3553	987	16.09		184.0		84.6	
0	5240	1456	9.42		167.4	220	80.3	
	4498	1249	14.21		198.4		87.7	
	3632	1009	17.58		210.5		82.6	
+2	5690	1580	10.28		194.6	250	81.8	
	4948	1374	14.44		221.7		87.7	
	3958	1099	17.93		231.9		83.3	
+4	6162	1712	10.83		222.6	280	81.6	
	5364	1490	14.83		248.4		87.2	
	4408	1224	18.09		260.1		83.5	
+6	6454	1793	11.37		242.9	315	82.3	
	5600	1556	15.67		273.6		87.3	
	4644	1290	18.39		279.6		83.1	

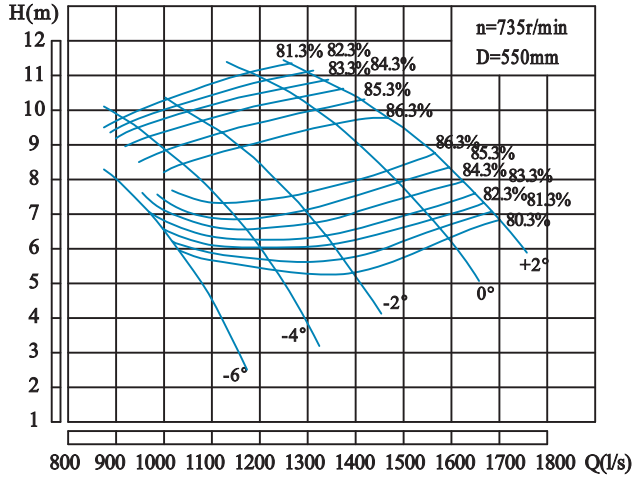
600HLB-50



600HLB-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	4183	1162	5.01	735	71.8	132	79.4	550
	3598	1000	8.46		98.9		83.8	
	3205	890	9.93		109.1		79.4	
-2	4667	1296	5.61		89.8	160	79.4	
	3936	1093	9.24		118.0		83.9	
	3463	962	10.62		126.1		79.4	
0	5071	1409	6.30		109.6		79.4	
	4307	1196	9.76		136.5		83.8	
	3789	1053	11.31		147.0		79.4	
+2	5397	1499	7.08		131.1	185	79.4	
	4610	1281	10.36		155.2		83.8	
	4104	1140	11.83		166.5		79.4	
+4	5656	1571	7.77		150.7	200	79.4	
	4948	1374	10.80		173.4		83.8	
	4385	1218	12.09		181.8		79.4	

600HLB-60

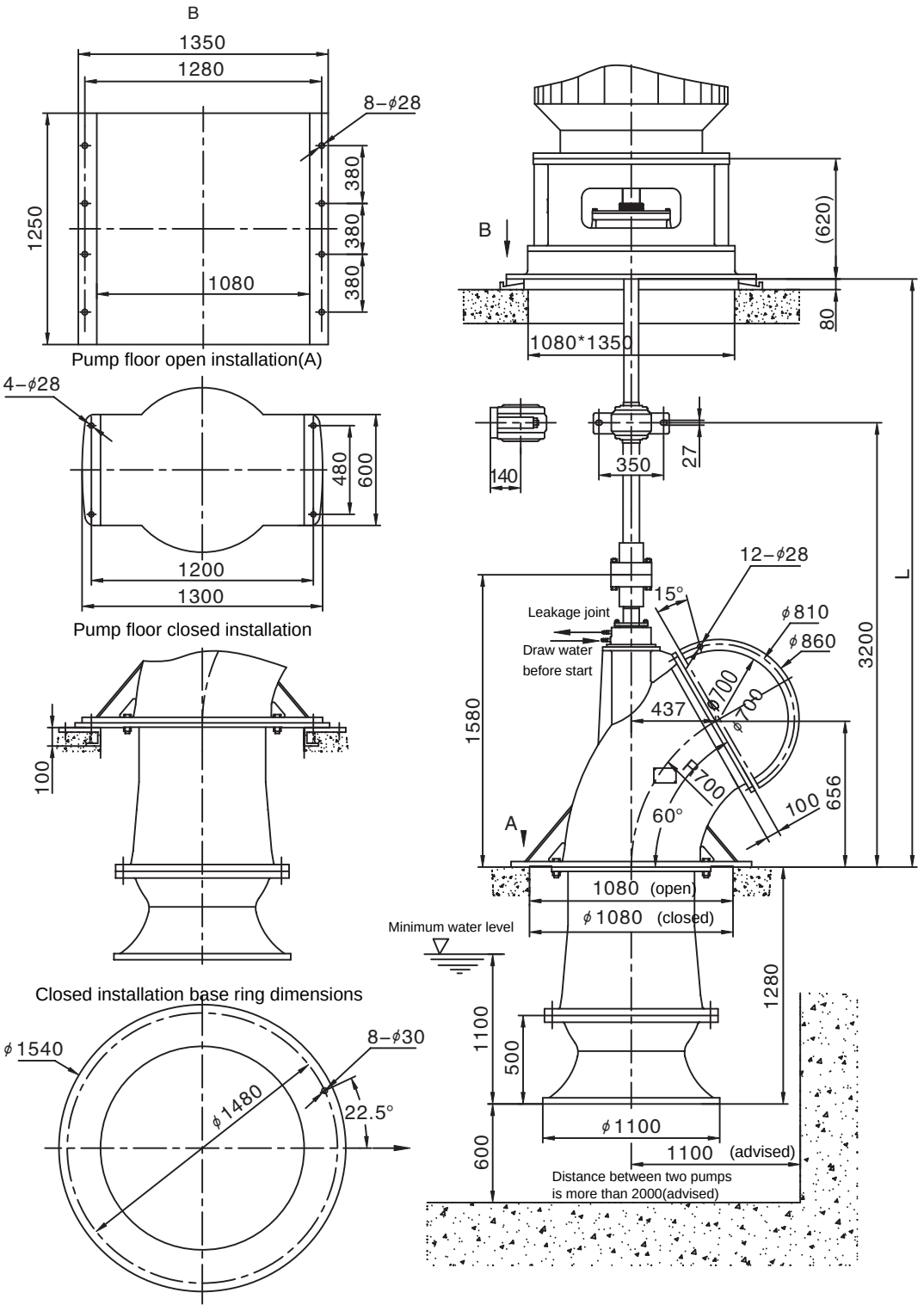


600HLB-60 性能参数表 PERFORMANCE DATA

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	3662	1017	6.21	735	76.4	110	81.0	550
	3486	968	7.06		80.5		83.2	
	3238	900	8.31		87.2		84.0	
-4	4385	1218	5.68		83.8	132	81.0	
	3906	1085	7.83		95.9		86.9	
	3289	914	9.78		108.2		81.0	
-2	4947	1374	5.71		94.9	132	81.0	
	4335	1204	8.32		113.1		86.8	
	3626	1007	10.32		125.8		81.0	
0	5674	1576	6.60		125.8	185	81.0	
	4879	1355	9.59		147.2		86.5	
	4248	1180	11.10		158.4		81.0	
+2	6064	1685	7.07		144.2	185	81.0	
	5378	1494	9.57		162.3		86.3	
	4550	1264	11.36		173.6		81.0	

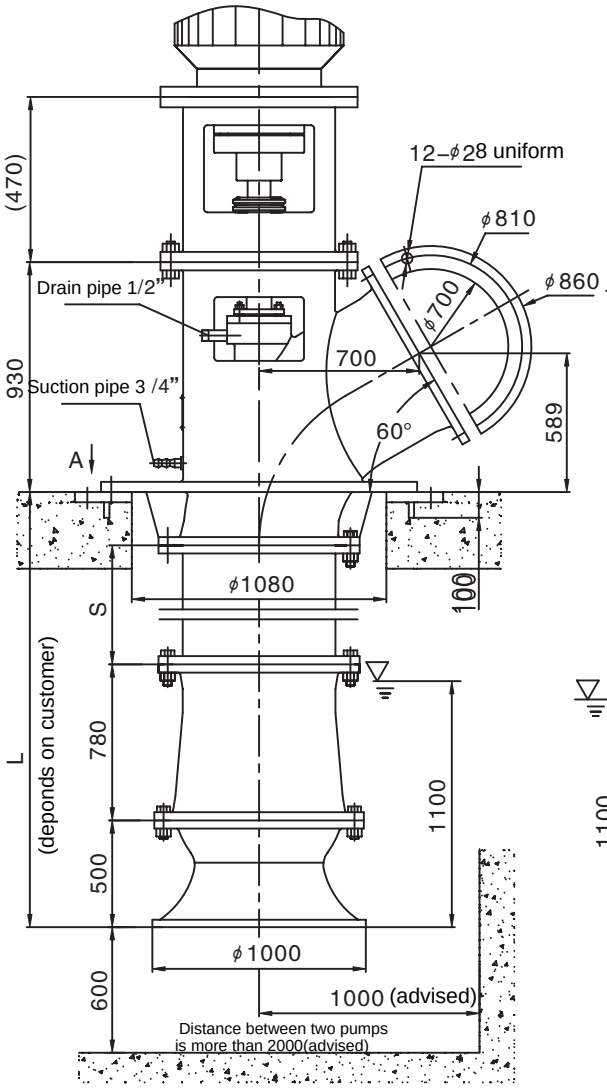
700HLB outside installation diagram

Model	Pump weight	Rotation weight	Transmission weight	Maximum axial force	Introduction
700ZLB-40	1400	460	1200	6150	1, L is generally 1800-6000 and middle bearing is needed if L is more than 3800. 2, Motor floor load= motor weight+ rotation parts weight+transmission parts weight+maximum axial force
700ZLB-50	1400	460	1200	5300	
700ZLB-60	1400	460	1200	4900	
700ZLB-40C	1400	460	1200	7300	
700ZLB-50C	1400	460	1200	6300	
700ZLB-60C	1400	460	1200	5900	



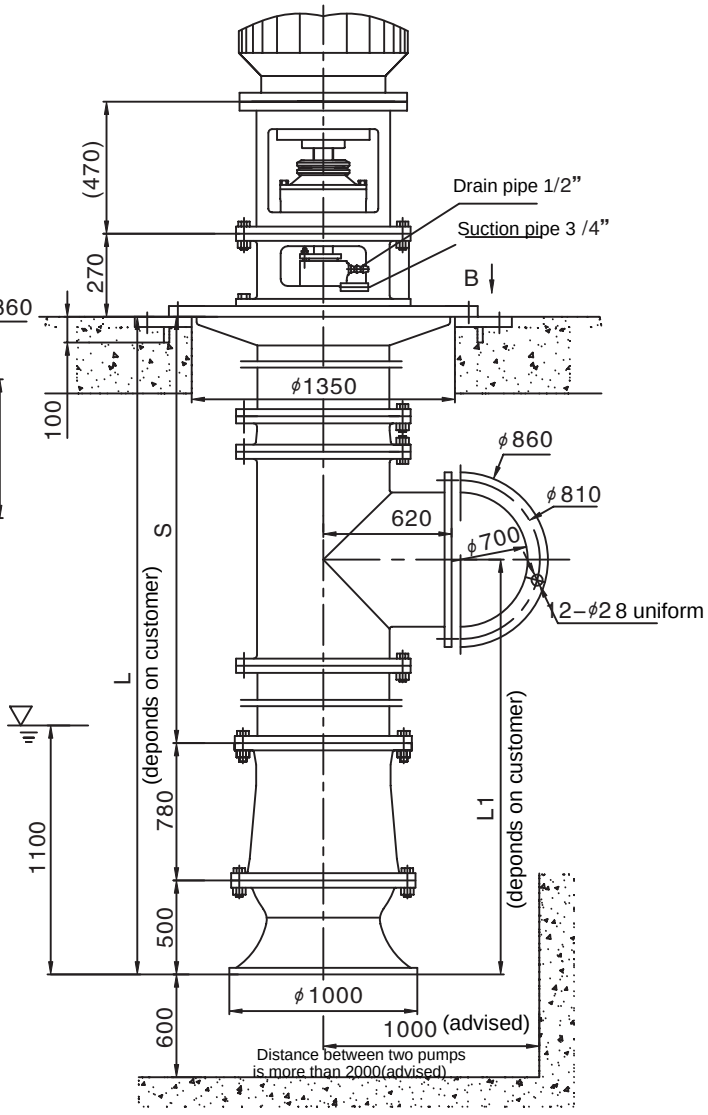
700HLB/X, 700HLB/1X no-transmission shaft pump outside installation diagram

700HLB/X top discharge no-transmission shaft installation(closed)

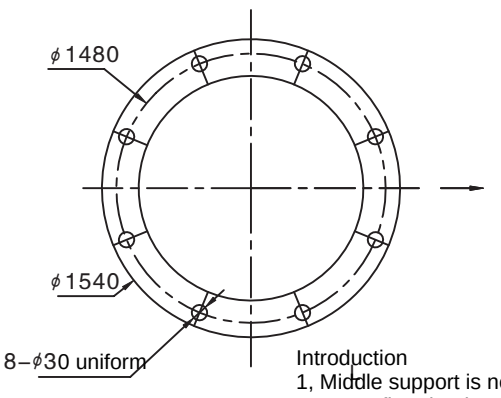


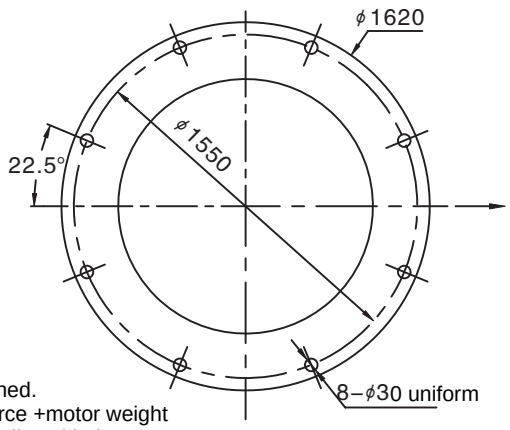
A (top discharge base ring)

700HLB/1X down discharge no-transmission shaft installation (closed)



B (down discharge base ring)

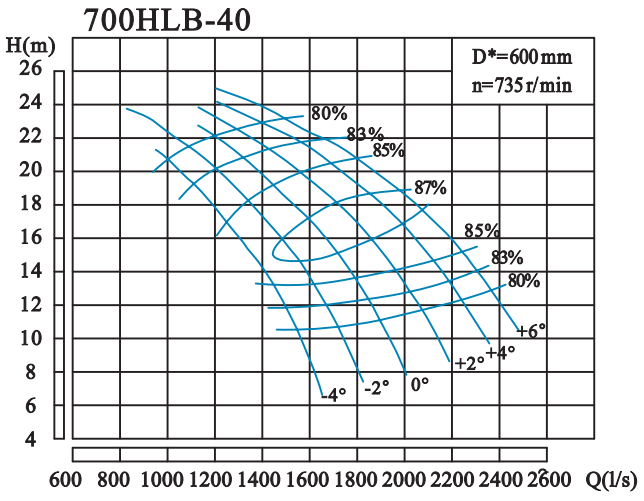




Introduction

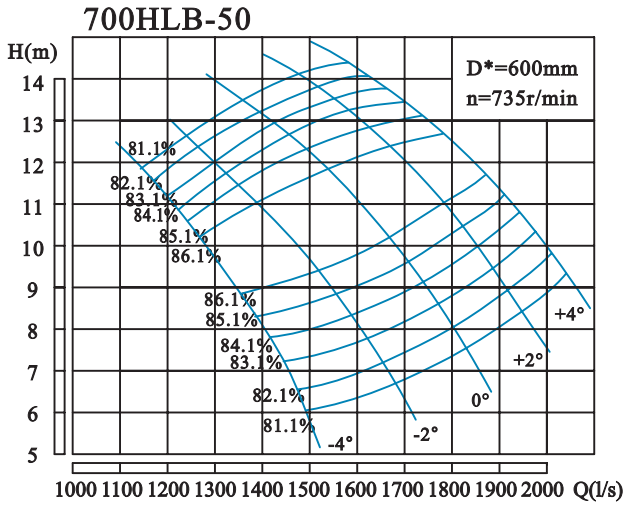
1, Middle support is needed if S is longthened.
2, Pump floor load =pump weight+ axial force +motor weight
3, Pump performance data and curve is similar with the same HLB's
4, Top discharge minimum L is 1580 while down discharge minimum L is 2180.

700HLB performance data sheet and curve



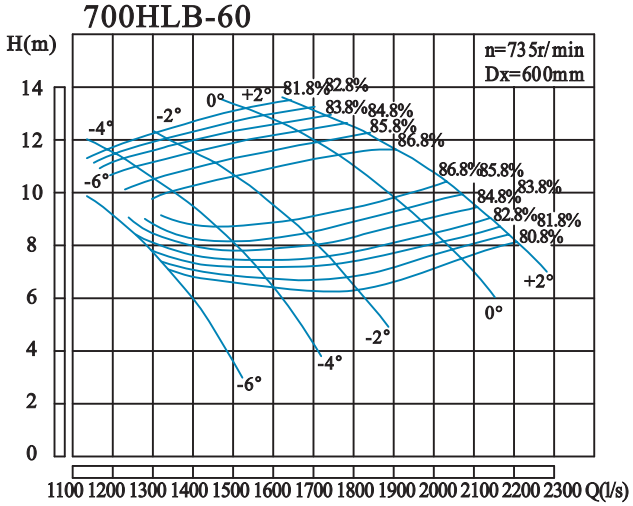
700HLB-40 性能参数表 PERFORMANCE DATA

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	5562	1545	10.64	735	200.8	280	80.2	600
	4964	1379	14.77		230.8		86.5	
	3839	1067	19.93		254.3		81.9	
-2	6175	1715	10.82		226.4	315	80.4	
	5591	1553	14.84		259.1		87.2	
	4613	1281	19.15		284.2		84.6	
0	6803	1890	11.21		258.6	355	80.3	
	5839	1622	16.91		306.6		87.7	
	4715	1310	20.93		325.3		82.6	
+2	7387	2052	12.23		300.7	400	81.8	
	6423	1784	17.18		342.6		87.7	
	5139	1427	21.34		358.3		83.3	
+4	8000	2222	12.89		343.9	450	81.6	
	6964	1934	17.65		383.8		87.2	
	5723	1590	21.53		401.9		83.5	
+6	8380	2328	13.54		375.4	450	82.3	
	7270	2019	18.65		422.7		87.3	
	6029	1675	21.88		432.0		83.1	



700HLB-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	5431	1509	5.96	735	108.7	185	81.1	600
	4672	1298	10.07		148.8		86.1	
	4161	1156	11.82		165.1		81.1	
-2	6058	1683	6.68		135.9	200	81.1	
	5110	1419	11.00		177.5		86.2	
	4496	1249	12.64		190.8		81.1	
0	6584	1829	7.50		165.8	250	81.1	
	5591	1553	11.61		205.4		86.1	
	4920	1367	13.46		222.3		81.1	
+2	7007	1946	8.43		198.2	280	81.1	
	5985	1663	12.33		233.4		86.1	
	5328	1480	14.08		251.8		81.1	
+4	7343	2040	9.25		228.0		81.1	
	6423	1784	12.85		260.9		86.1	
	5693	1582	14.39		275.0		81.1	

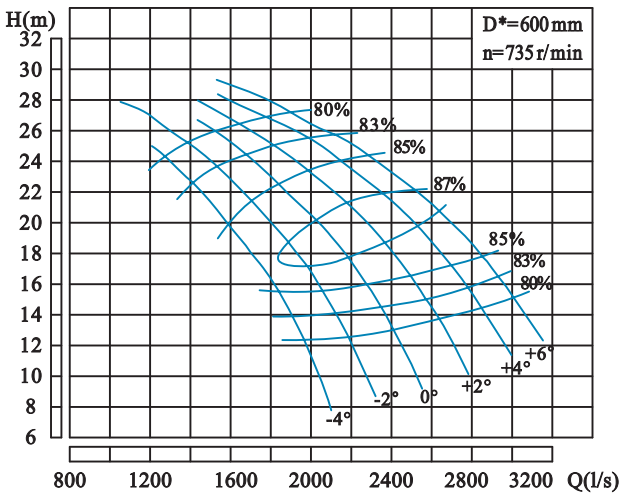


700HLB-60 性能参数表 PERFORMANCE DATA

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	4755	1321	7.39	735	118.1	155	81.0	600
	4526	1257	8.40		124.3		83.2	
	4204	1168	9.89		134.7		84.0	
-4	5693	1582	6.76		129.4	185	81.0	
	5072	1409	9.32		148.1		86.9	
	4270	1186	11.64		167.1		81.0	
-2	6422	1784	6.79		146.6	220	81.0	
	5628	1563	9.90		174.7		86.8	
	4708	1308	12.28		194.3		81.0	
0	7366	2046	7.85		194.4	280	81.0	
	6334	1760	11.41		227.4		86.5	
	5515	1532	13.21		244.8		81.0	
+2	7873	2187	8.42		222.7		81.0	
	6983	1940	11.39		250.8		86.3	
	5907	1641	13.52		268.3		81.0	

700HLB performance data sheet and curve

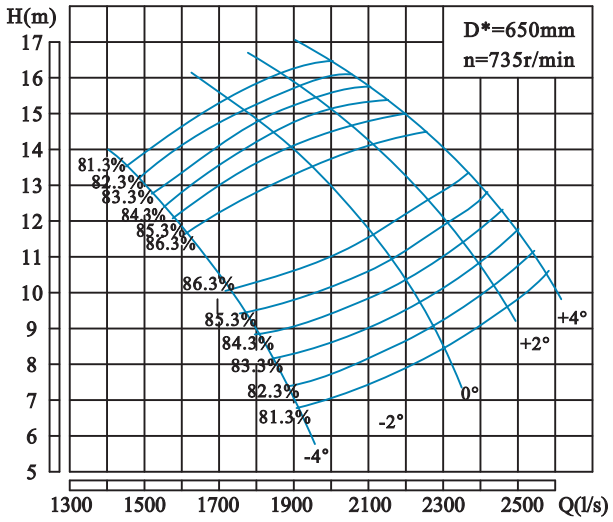
700HLB-40C



700HLB-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	7072	1964	12.48	735	299.6	400	80.2	650
	6311	1753	17.33		344.4		86.5	
	4882	1356	23.39		379.4		81.9	
-2	7851	2181	12.70		337.9	450	80.4	
	7109	1975	17.42		386.6		87.2	
	5865	1629	22.47		424.1		84.6	
0	8649	2403	13.16		385.9	500	80.3	
	7424	2062	19.84		457.4		87.7	
	5995	1665	24.56		485.4		82.6	
+2	9392	2609	14.35		448.7	560	81.8	
	8167	2269	20.17		511.1		87.7	
	6533	1815	25.04		534.6		83.3	
+4	10171	2825	15.13		513.2	630	81.6	
	8854	2459	20.71		572.7		87.2	
	7276	2021	25.27		599.6		83.5	
+6	10654	2959	15.89		560.1	710	82.3	
	9243	2568	21.89		630.8		87.3	
	7666	2129	25.68		644.6		83.1	

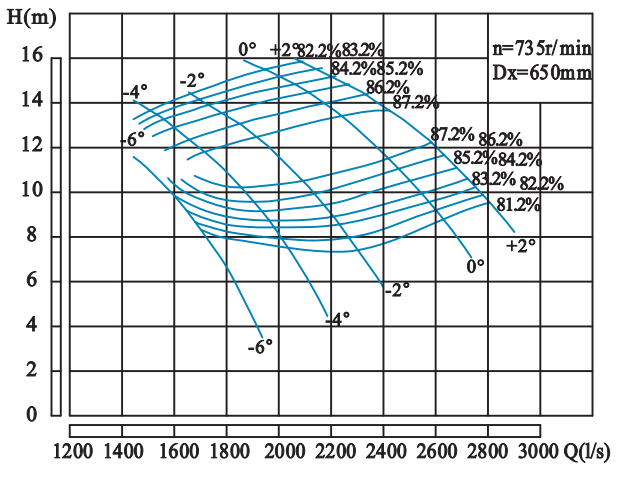
700HLB-50C



700HLB-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	6858	1905	6.90	735	158.5	250	81.3	650
	5899	1639	11.66		217.0		86.3	
	5254	1459	13.68		240.7		81.3	
-2	7650	2125	7.73		198.1	315	81.3	
	6452	1792	12.73		258.8		86.4	
	5678	1577	14.64		278.2		81.3	
0	8314	2309	8.69		241.8	355	81.3	
	7060	1961	13.45		299.5		86.3	
	6212	1726	15.59		324.2		81.3	
+2	8849	2458	9.76		289.1	400	81.3	
	7558	2099	14.28		340.4		86.3	
	6729	1869	16.30		367.3		81.3	
+4	9273	2576	10.71		332.5	450	81.3	
	8111	2253	14.87		380.5		86.3	
	7189	1997	16.66		401.0		81.3	

700HLB-60C

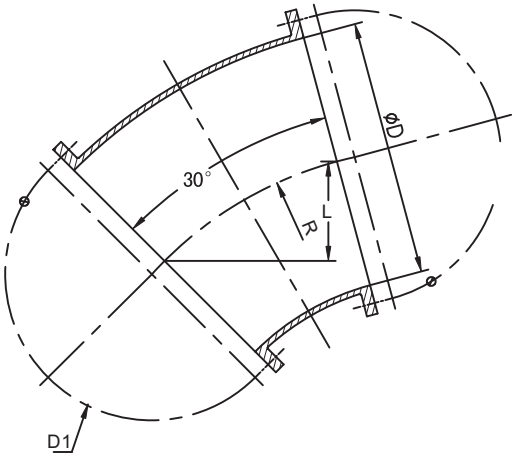


700HLB-60C 性能参数表 PERFORMANCE DATA

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	6045	1679	8.67	735	175.3	220	81.4	650
	5754	1598	9.85		184.6		83.6	
	5346	1485	11.60		200.1		84.4	
-4	7239	2011	7.94		192.1	280	81.4	
	6448	1791	10.94		220.0		87.3	
	5429	1508	13.67		248.1		81.4	
-2	8165	2268	7.97		217.7	315	81.4	
	7156	1988	11.62		259.5		87.2	
	5986	1663	14.41		288.5		81.4	
0	9366	2602	9.22		288.6	400	81.4	
	8054	2237	13.39		337.8		86.9	
	7012	1948	15.50		363.5		81.4	
+2	10010	2781	9.88		330.7	450	81.4	
	8878	2466	13.36		372.5		86.7	
	7510	2086	15.86		398.4		81.4	

11, 30°elbow, clap door joint dimensions

1, 30°elbow joint dimensions



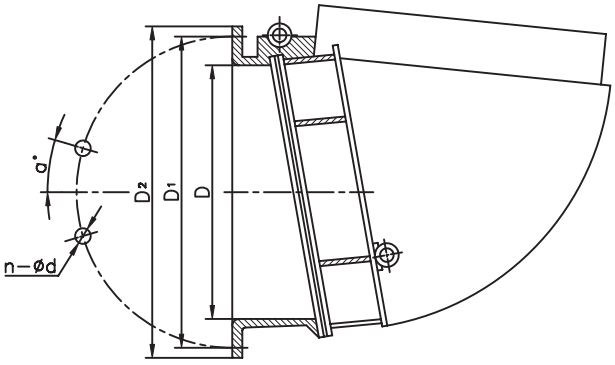
R=1.0D

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

Flange dimensions are similar with the related discharge flange dimensions

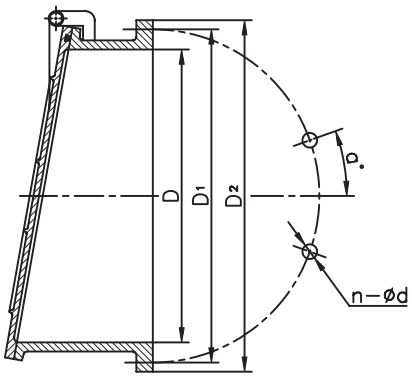
2, Clap door outside and joint dimensions

A, Buoyancy tank type clap door outside and joint dimensions sheet



D	D_1	D_2	n–Φd	a°	weight (Kg)
300	395	440	12-Φ23	15	82
400	495	540	8-Φ23	22.5	90
500	600	645	12-Φ23	15	101
600	705	755	12-Φ27	15	148
700	810	860	12-Φ27	15	180
800	920	980	12-Φ27	15	240
900	1020	1075	12-Φ27	15	315
1000	1120	1175	12-Φ30	15	405
1200	1320	1380	12-Φ30	15	448
1300	1430	1500	12-Φ30	15	665
1400	1520	1575	12-Φ30	15	891
1600	1760	1830	12-Φ36	15	contact
1800	1970	2045	44-Φ30	4.1	with us

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



D	D_1	D_2	n–Φd	a°	weight (Kg)
300	395	440	12-Φ23	15	82
400	495	540	8-Φ23	22.5	91
500	600	645	12-Φ23	15	97
600	705	755	12-Φ27	15	154
700	810	860	12-Φ27	15	188
800	920	980	12-Φ27	15	213
900	1020	1075	12-Φ27	15	282
1000	1120	1175	12-Φ30	15	330
1200	1320	1380	12-Φ30	15	388
1300	1430	1500	12-Φ30	15	649
1400	1520	1575	12-Φ30	15	856
1600	1760	1830	12-Φ36	15	contact
1800	1970	2045	44-Φ30	4.1	with us

Where there is KQ, there is water.

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