

Powerful and reliable flood defense for a resilient city

ZQB,HQB,ZLB PROPELLER PUMP



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PERFORMANCE

Project Name: Hexi Heiqiao Pump Station, Nanjing

Project scale : The Heiqiao Pump Station is a regional drainage pump station and a comprehensive project that integrates the functions of regulating and storing water levels in the Yangtze River and Qinhuai River with landscape functions in the local area. Ten 280kW axial flow pumps are selected for the design flow rate of 30m³/s.



Project Name: Houguan Drainage Station of the Third Phase Flood Control Project on the South Bank of Nangang in the Lower Minjiang River, Fujian Province

Project scale: The third phase flood control project on the south bank of Nangang in the lower reaches of the Minjiang River in Fuzhou City is located on the right bank of the Houguan section of the river in the lower reaches of the Minjiang River. It is designed to use 12 1600ZQB-70 (800KW 10KV) axial flow pumps with a design flow rate of 80m³/S. As of 2009, it is the largest installed capacity and drainage capacity of submersible pumps in China.



PERFORMANCE

Project Name: Hunan Dongting Lake Purple Red Island Pumping Station

Project situation: The Purple Red Island Pumping Station is located in Gongshuangchayuan, Yuanjiang City. It is the largest installed capacity pumping station in the Purple Red Island drainage project and was completed and put into operation in 1982. After more than 20 years of operation, the pump station has been in disrepair for a long time. In addition, the changes in water levels in the Yangtze River and Dongting Lake have increased the lift of the pump station. The lift of the pump and the capacity of the motor cannot meet the requirements of the pump station operation. Therefore, it is necessary to update and renovate the pump unit. In May 2008, when the Water Resources Bureau of Yiyang City reviewed the bidding documents for the Purple Red Island electric drainage pump, experts believed that Purple Red Island belonged to a flood storage embankment. To ensure the safety of the flood storage embankment equipment, four 1600ZQB-55 submersible axial flow pumps were selected, with a supporting motor capacity of 1000KW and a designed total flow rate of 32m³/s (4x8m³/s).



Project Name: Water Pump, Hydraulic Machinery Equipment and Installation Project of Dongjiao Rainwater Pump Station in Luoyang City, Henan Province

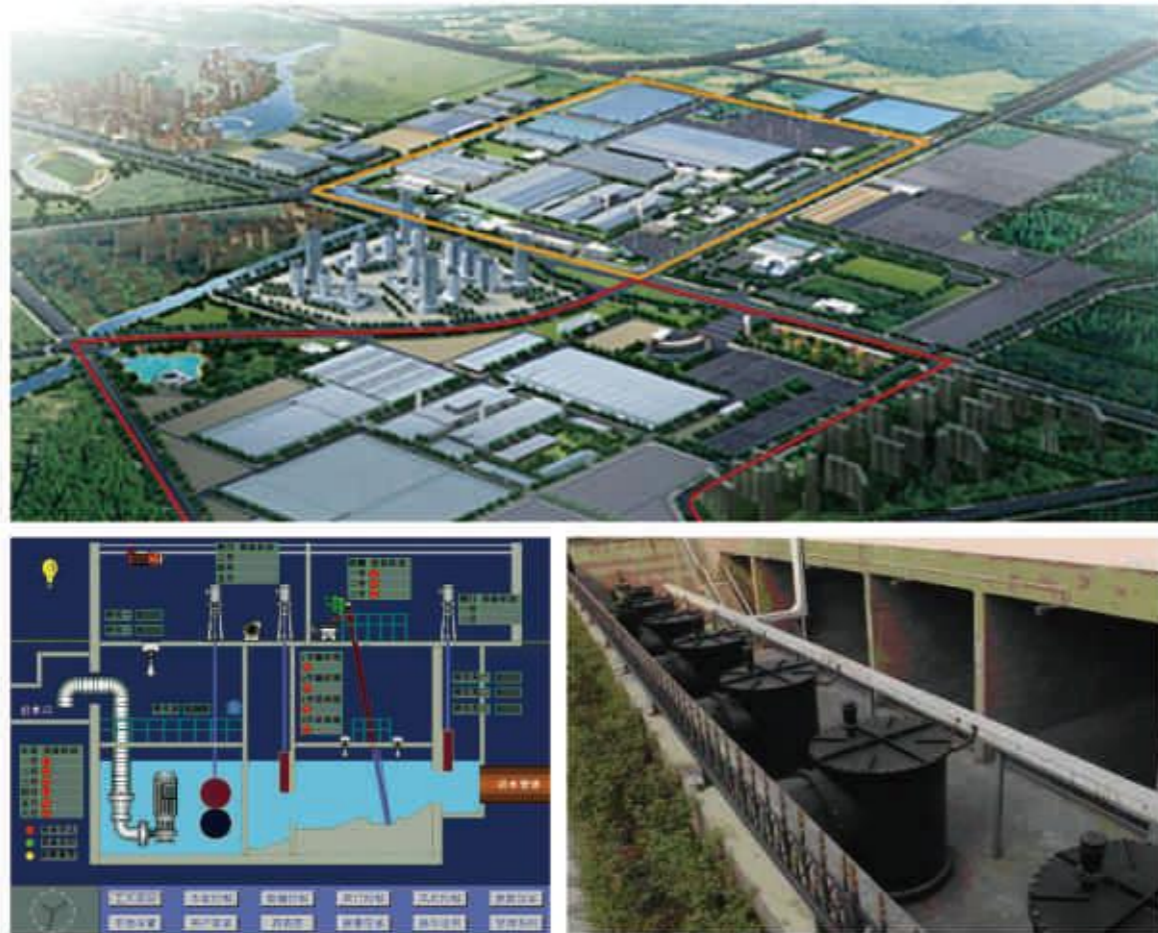
Project situation: The construction unit is the Construction Committee of Luoyang City, and the design unit is the Luoyang Urban Construction Design Institute. The rainwater lift pump station in the eastern suburbs of Luoyang is one of the key projects for flood prevention in the drainage system of the eastern suburbs of Luoyang. Use five single machine Q=3400L/S, H=14.2m, N=630KW 10KV high-voltage solid-state soft start submersible shaft (mixed) flow pumps and four single machine 3.8m wide and 10.60m deep rotary grid cleaning machines from Lumsun Group.



Project Name: Guangdong Dongfeng Motor Huadu Factory Rainwater and Sewage Pump Station Drainage Equipment and Installation Project

Project situation: The construction content of this project is the supply and installation of all water pumps and hydraulic machinery equipment for the rainwater and sewage pump station of Dongfeng Motor Huadu Factory. The total installed capacity is seven sets of 10KV high-pressure submersible axial flow pumps with a single flow rate of 3.28–4.46m³/s, a head of 6.10–2.58m, and a power of 280KW. The equipment includes grids, gates, valves, and automatic instrument control for the pump station. The service content includes installation, standalone and system debugging, and six-month trial operation management.

The pump station adopts fully automatic intelligent control and unmanned operation mode. After one year of use after acceptance, the Japanese side highly praised Lanshen Group in terms of equipment performance, control mode, economic operation, and service.



ZQB, HQB Submersible propeller pump..... 01–70

 Identification code of pump model..... 01

 Features of pump design..... 02

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TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

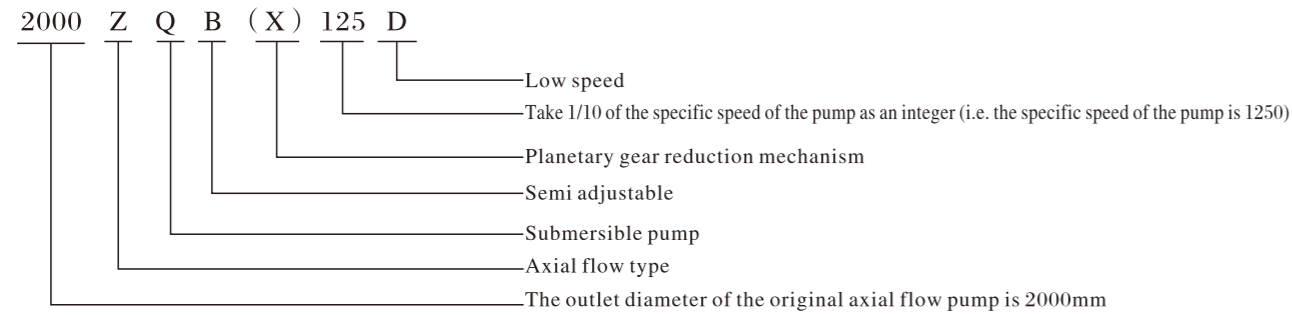
Products overview

ZQB submersible axial flow pump and HQB submersible mixed flow pump are updated products of traditional water pump electric motor unit. The integrated machine pump can operate in water for a long time and has a series of outstanding advantages.

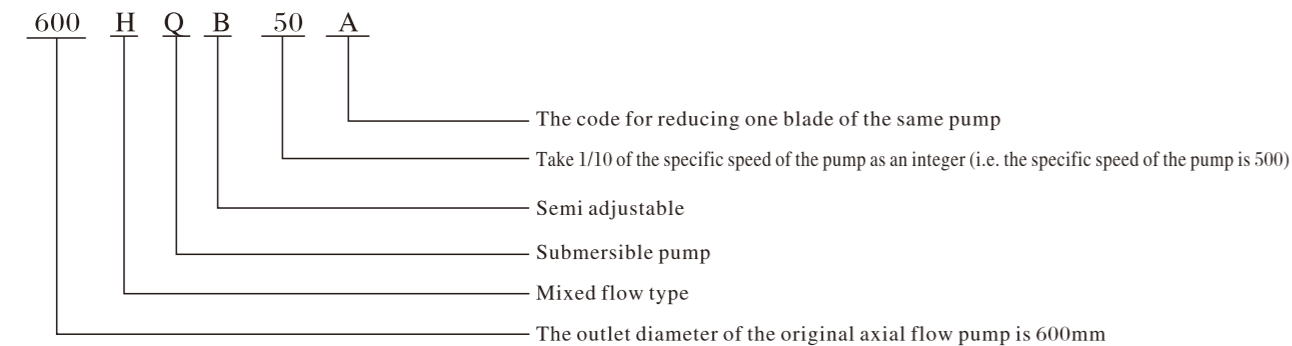
1. Due to the submersible operation of the pump, adults have simplified the geotechnical and building structure engineering of the pump station, reduced the installation area, and saved 30–40% of the total project price.
2. Due to the integration of the water pump and motor, there is no need to perform shaft to center assembly on site, making installation convenient and fast.
3. Low noise, no high temperature inside the pump station, improve working conditions, and can also build a fully underground pump station as required to maintain the environmental appearance of the ground.
4. Easy to operate, no need to lubricate the rubber bearings of the water pump before starting up, and remote and automatic control can be achieved.
5. It can solve the problem of motor flood control for building pump stations in areas with large water level fluctuations along the river and lakes.
6. ZQB · HQB submersible electric pump, suitable for agricultural irrigation, industrial and mining docks, urban construction, and power station water supply and drainage. The ZQB submersible axial flow pump is suitable for low head and high flow situations. The HOB submersible mixed flow pump has high efficiency and good cavitation performance, and is suitable for situations with large water level changes and high head requirements. The conveying medium is water or other liquids with physical and chemical properties similar to water, and the maximum temperature of the conveyed liquid is 40 °C.

Identification code of pump model

ZQB Type axial pump



HQB Type mixed pump



TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

Features of pump design

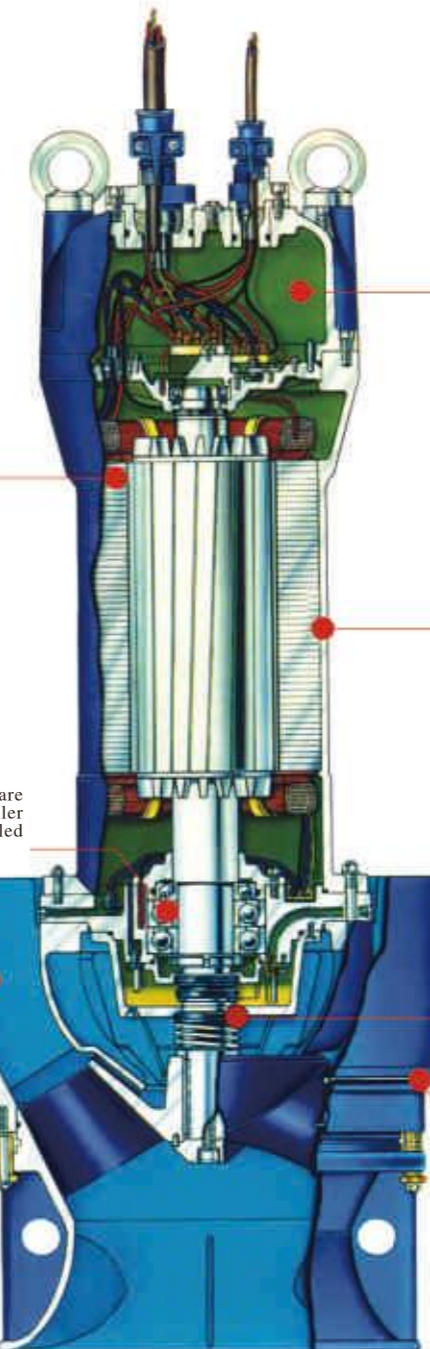
Lamsun axial flow pumps and mixed flow pumps adopt a modular design for the motor and hydraulic components

Waterproof motor, IP68 protection, stator insulation level F, equipped with temperature sensor. The rotor and spindle have undergone dynamic balance testing.

The upper and lower ends of the spindle are supported by lifelong lubricated ball and roller bearings, and temperature sensors are installed at both the upper and lower end bearings.

Hydraulic components with flow diffuser and adjustable inlet clearance.

During the production process, all water pumps undergo routine performance testing according to ISO2548/C standards, or performance testing can be conducted according to ISO3555/B.



Waterproof wiring room, protection level TP68, cable inlet with anti tension, anti entanglement protection and double sealing.

The motor is immersed in a medium, and direct cooling has the best effect.

High quality solid silicon carbide mechanical seals ensure the sealing of the pump spindle

The automatic centering coupling mechanism ensures that the water pump does not rotate and has good sealing.

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN350

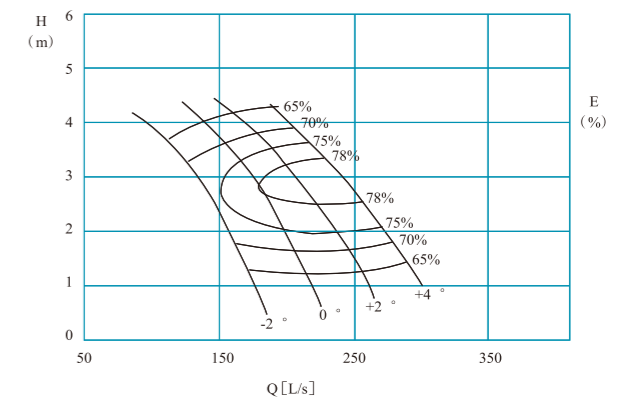
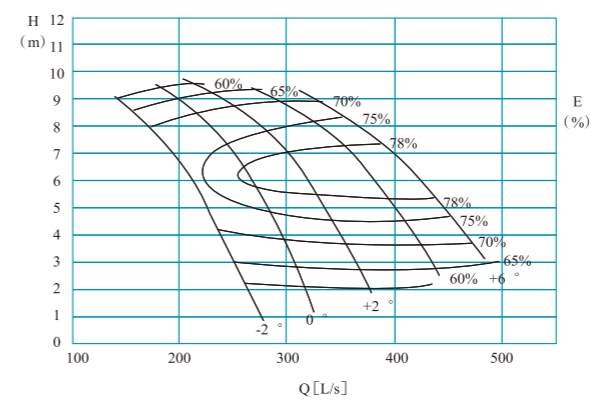
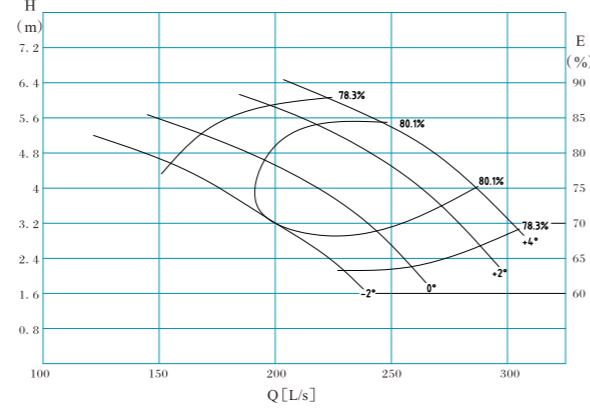
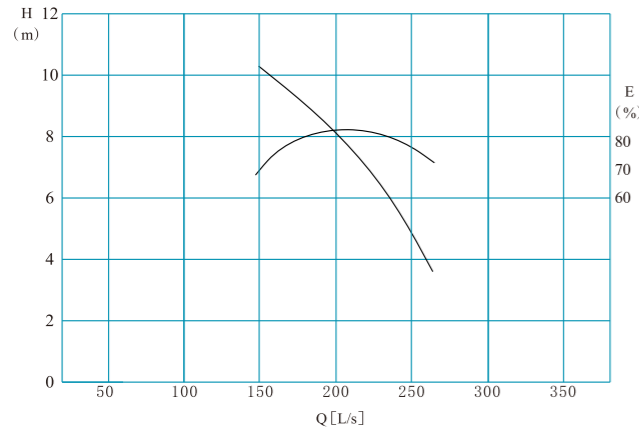
ZQB Series-DN350

350ZQB-50 type submersible axial pump performance curve

350ZQB-50D type submersible axial pump performance curve

350ZQB-70 type submersible axial pump performance curve

350ZQB-70D type submersible axial pump performance curve



350ZQB-50 type submersible axial pump performance data

350ZQB-50D type submersible axial pump performance data

350ZQB-70 type submersible axial pump performance data

350ZQB-70D type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
0°	637	177	9.81	1450	78.0	21.8	25	275
	761	211	7.85		83.4	19.5		
	926	257	5.10		75.0	17.2		

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	565.2	157	4.65	980	78.4	9.1	11	300
	720	200	3.2		80	7.8		
	810	225	1.95		78.9	5.5		
0°	612	170	5.2	980	78.5	11.0	15	300
	792	220	4		82.3	10.5		
	1278	355	2.4		79	10.6		
+2°	784.8	218	5.6	980	79.6	15.0	15	300
	900	250	4.4		82.5	13.1		
	1026	285	2.4		76.8	8.7		
+4°	810	225	6	980	79.2	16.7	18.5	300
	972	270	4.8		81.8	15.5		
	1080	300	3.2		78	12.1		

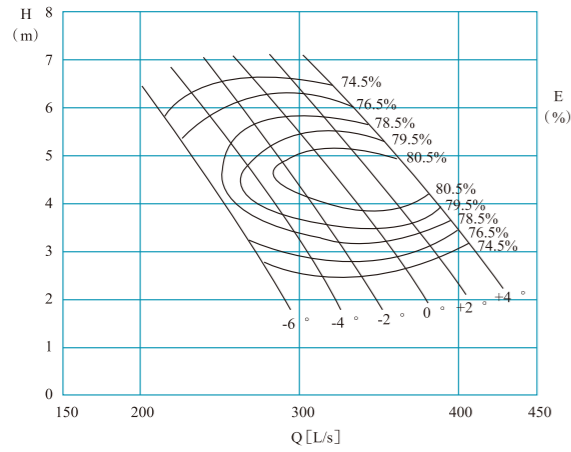
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	684	190	6.9	1450	71	18.1	18.5	300
	828	230	4.77		72.4	14.9		
	900	250	3.42		68	12.3		
0°	763	212	8.67	1450	71	25.4	30	300
	957	266	6.21		79	20.5		
	1090	303	3.59		71	14.4		
+2°	971	270	8.3	1450	75.7	29.0	30	300
	1115	310	6.36		78.5	24.6		
	1250	347	4.52		75	20.5		
+4°	1170	325	7.8	1450	75.5	32.9	37	300
	1314	365	6.3		79	28.6		
	1440	400	4.71		75	24.6		
+6°	1314	365	8.1	1450	74.7	38.8	40	300
	1430	397	6.94		75.7	35.8		
	1540	428	5.8		75.8	32.1		

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	450	125	3.36	980	67	6.1	7.5	300
	554	154	2.16		70.2	4.6		
	602	167	1.54		65.5	3.9		
0°	515	143	3.94	980	68.9	8.0	11	300
	648	180	2.84		77.4	6.5		
	784	218	1.64		72	4.9		
+2°	680	189	3.5	980	75	8.6	11	300
	756	210	2.9		76.8	7.8		
	846	235	2.06		73	6.5		
+4°	789	219	3.52	980	78.5	9.6	11	300
	882	245	2.84		77.6	8.8		
	905	251	2.22		74.4	7.4		

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN350/DN500

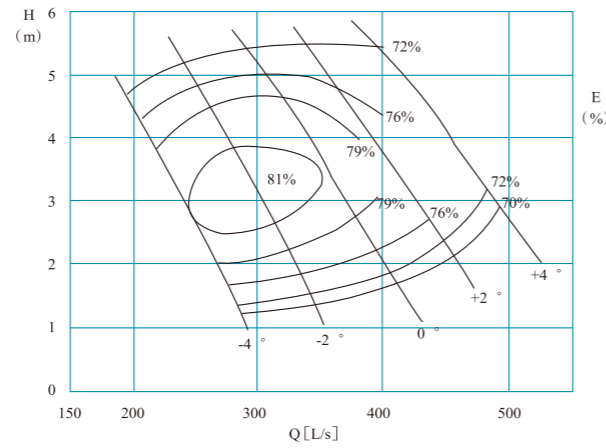
350ZQB-100 type submersible axial pump performance curve



350ZQB-100 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	810	225	5.4	1450	76.5	15.6	18.5	300
	900	250	4.03		78.4	12.6		
	972	270	3.2		76.5	11.1		
-4°	878	244	5.8		76.5	18.1		
	1008	280	4.1		79.6	14.1		
	1080	300	3.2		76.5	12.3		
-2°	954	265	5.83		77.5	19.6	22	
	1080	300	4.5		80.2	15.4		
	1188	330	2.9		77.5	12.1		
0°	1033	287	6.0		77.5	21.8		
	1188	330	4.21		80.5	16.9		
	1285	357	2.89		77.5	13.1		
+2°	1091	303	6.0	79.7	23.3	30		
	1260	350	4.43	81	18.8			
	1368	380	3.2	76.5	15.6			
+4°	1170	325	6.4	75.5	27.0			
	1350	375	4.45	80.7	20.3			
	1440	400	3.4	76.5	17.4			

350ZQB-125 type submersible axial pump performance curve

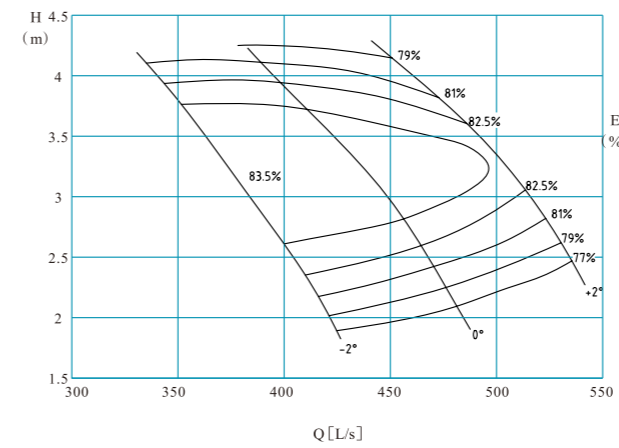


350ZQB-125 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	791	220	3.78	1450	79.1	10.3	11	300
	896	249	2.72		81.1	8.2		
	1005	279	1.39		70.2	5.4		
	1113	309	2.84		78	14.5		
-2°	900	250	4.6		81.7	10.5	15	
	1262	351	1.18		65.3	6.2		
	1111	309	5.02		75.6	20.1		
0°	1304	362	3.35		80.1	14.9	22	
	1534	426	1.22		64.6	7.9		
	1163	323	5.89		70	26.7		
+2°	1453	404	3.8		78.6	19.1	30	
	1649	458	2.05		70.3	13.1		
	1440	400	5.35	72	29.2			
+4°	1651	459	3.91	72.9	24.1			
	1782	495	2.84	70.9	19.5			

ZQB Series-DN350-500

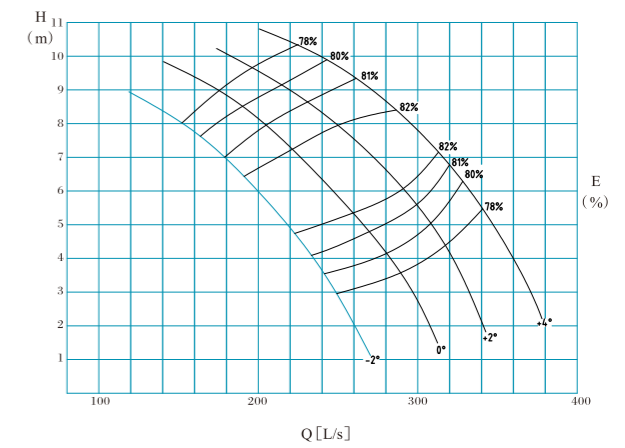
350ZQB-160 type submersible axial pump performance curve



350ZQB-160 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	1201	334	4.2	1450	78.5	17.7	22	320
	1395	387	2.9		83.4	13.3		
	1537	427	1.9		78.5	10.4		
	1408	391	4.1		78.5	19.9		
0°	1620	450	2.9		83.4	15.5	30	
	1731	481	2.0		78.5	12.3		
	1638	455	3.9		78.5	22.1		
+2°	1750	486	3.4		81.2	20.2		
	1904	529	2.4		79.4	15.9		

500ZQB-40D type submersible axial pump performance curve



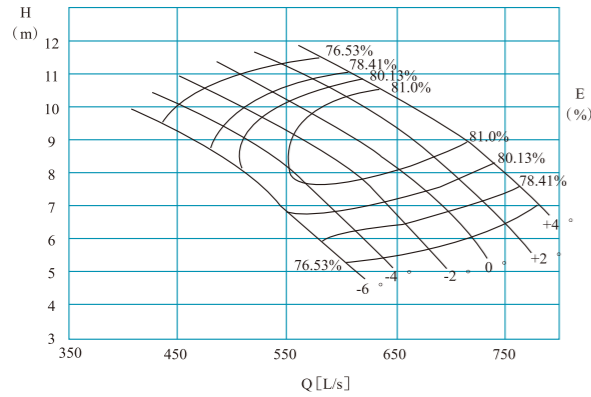
500ZQB-40D type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	540	150	8	730	78	15.1	18.5	450
	756	210	5.5		83.5	13.6		
	892.8	248	2.98		78	9.3		
	640.8	178	9		78.2	20.1		
0°	878.4	244	6		83.1	17.3	22	
	1404	390	3.5		79	17.0		
	702	195	9.2		78.5	22.4		
+2°	954	265	7		83.1	21.9		
	1152	320	4.3		82.5	16.4		
	806.4	224	10		78.1	28.1		
+4°	1069.2	297	8		82.8	28.2	30	
	1224	340	5.5		78	23.5		

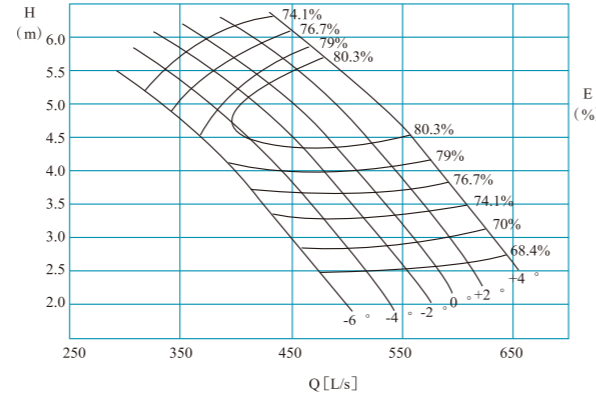
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN500

500ZQB-50 type submersible axial pump performance curve



500ZQB-50D type submersible axial pump performance curve



500ZQB-50 type submersible axial pump performance data

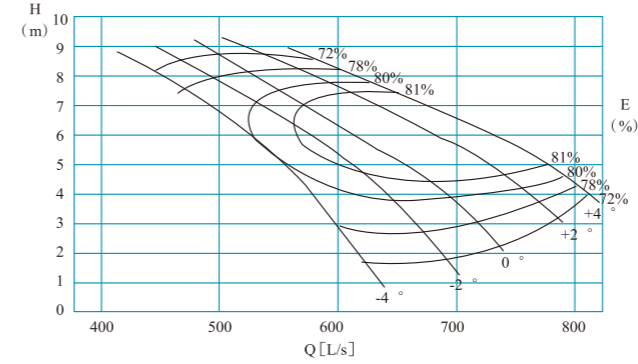
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm					
	m ³ /h	L/s				Shaft power	Motor power						
-6°	1522	423	9.78	980	75.6	53.7	65	450					
	1843	512	8		80.2	50.1							
	1981	550	6.85		78.3	47.2							
-4°	1600	444	10.12		75.6	58.4							
	1987	552	8.25		81	55.1							
	2183	606	6.65		78.3	50.5							
-2°	1698	472	10.48		75.6	64.1			75	450			
	2131	592	8.5		81	60.9							
	2368	658	6.61		78.3	54.5							
0°	1801	500	10.82		75.6	70.2					730	450	
	2300	639	8.54		81	66.1							
	2536	704	6.67		78.3	58.9							
+2°	2212	614	10.02	81	74.6	37	450						
	2430	675	8.7	81.5	70.7								
	2683	745	6.8	78.3	63.5								
+4°	2170	603	11.06	75.6	86.5			30					450
	2556	710	9	81.5	76.9								
	2826	785	7.04	78.3	69.2								

500ZQB-50D type submersible axial pump performance data

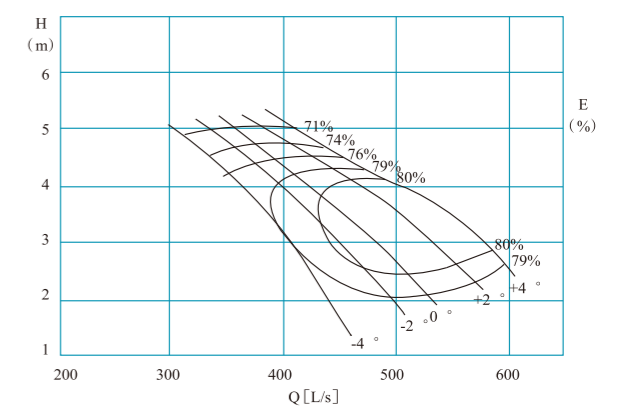
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm					
	m ³ /h	L/s				Shaft power	Motor power						
-6°	1115	310	5.32	730	74.7	21.6	30	450					
	1373	381	4.44		79.4	20.9							
	1476	410	3.8		77.5	19.7							
	1192	331	5.62		74.7	24.4							
-4°	1480	411	4.58		8.03	23.0							
	1626	452	3.69		77.5	21.1							
	1265	351	5.82		74.7	26.9							
-2°	1588	441	4.72		80.3	25.4			37	450			
	1764	490	3.68		77.5	22.8							
	1342	373	6		74.7	29.4							
0°	1716	476	4.74		80.3	27.6					30	450	
	1889	525	3.7		77.5	24.6							
	1675	458	5.56	80.3	31.1								
+2°	1810	503	4.83	80.7	29.5	37	450						
	1999	555	3.77	77.5	26.5								
	1617	449	6.15	74.7	36.2								
+4°	1904	529	4.99	80.7	32.1			30					450
	2105	585	3.9	77.5	28.9								

ZQB Series-DN500

500ZQB-70 type submersible axial pump performance curve



500ZQB-70D type submersible axial pump performance curve



500ZQB-70 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm						
	m ³ /h	L/s				Shaft power	Motor power							
-4°	1370	381	9.44	980	70	50.3	55	450						
	1760	489	7		79.6	42.2								
	2050	569	4.35		78.5	31.0								
	1720	478	8.2		74.5	51.6								
-2°	2010	558	6.43		80	44.0			730	450				
	2250	625	4.9		73.5	40.9								
	2099	583	7		79.9	50.1								
0°	2160	600	6.3		81.2	45.7					30	450		
	2510	697	3.9		77	34.6								
	2340	650	6.6		81.5	51.6								
+2°	2560	711	5.6		82	47.6							37	450
	2660	739	4.67		81.5	41.5								
	2556	710	6.2	82.2	52.5									
+4°	2700	750	5.6	83	49.6	30	450							
	2858	794	4.4	79	43.4									

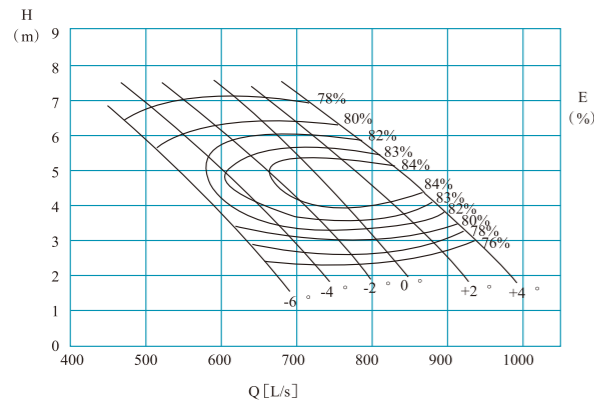
500ZQB-70D type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm						
	m ³ /h	L/s				Shaft power	Motor power							
-4°	1020	283	5.32	730	68.2	21.7	30	450						
	1310	364	3.95		78.4	18.0								
	1530	425	2.45		77.2	13.2								
	1170	325	5.16		73	22.5								
-2°	1500	417	3.62		78.8	18.8			37	450				
	1675	465	2.76		71.9	17.5								
	1480	411	4.16		77.8	21.6								
0°	1610	447	3.56		80.1	19.5					30	450		
	1870	519	2.16		75.6	14.6								
	1710	475	3.95		80.4	22.9								
+2°	1910	531	3.1		80.9	19.9							37	450
	1990	553	2.63		80.4	17.7								
	1640	456	4.44	75.4	26.3									
+4°	1680	517	3.52	82	21.8	30	450							
	2100	583	2.82	81.5	19.8									

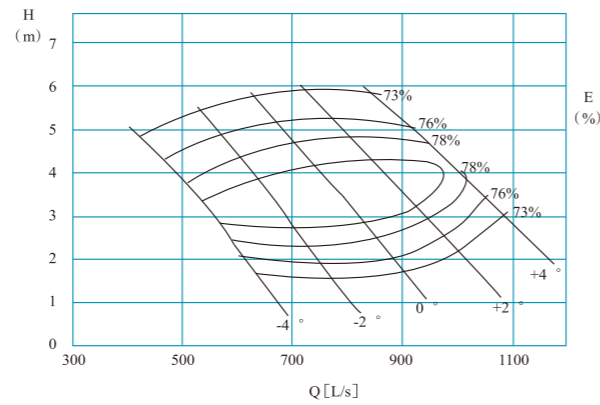
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN500

500ZQB-100 type submersible axial pump performance curve

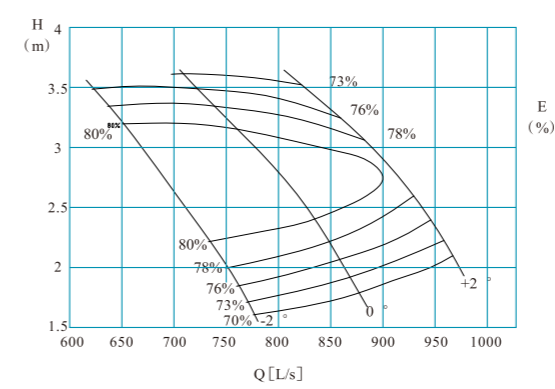


500ZQB-125 type submersible axial pump performance curve

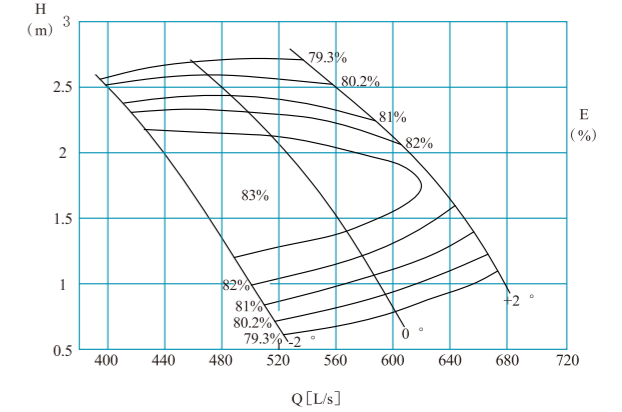


ZQB Series-DN500

500ZQB-160 type submersible axial pump performance curve



500ZQB-160D type submersible axial pump performance curve



500ZQB-100 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm	
	m³/h	L/s				Shaft power	Motor power		
-6°	1764	490	6.05	980	79.7	36.5	45	450	
	2160	600	3.7		82	26.6			
	2275	632	2.9		79.7	22.6			
-4°	1980	550	6		81.6	39.7			37
	2340	650	4		84.3	30.3			
	2466	685	3.15		81.6	25.9			
-2°	2160	600	6.18		81.6	44.6			45
	2513	698	4.2		85.2	33.8			
	2700	750	3.1		81.6	28.0			
0°	2322	645	6.4		81.6	49.6			55
	2700	750	4.3		85.2	37.1			
	2916	810	3.05		81.6	29.7			
+2°	2498	694	6.4	81.6	53.4	65			
	2844	790	4.68	85.2	42.6				
	3114	865	3.25	81.6	33.8				
+4°	2736	760	6.2	81.6	56.6	55			
	2995	832	5	85.2	47.9				
	3276	910	3.6	81.6	39.4				

500ZQB-125 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	1620	450	4.55	980	75	26.8	30	450
	1962	545	3.2		80.5	21.3		
	2196	610	2		75	16.0		
-2°	2070	575	4.75		78	34.4	37	
	2394	665	3.3		81.5	26.4		
	2700	750	1.9		75	18.6		
0°	2484	690	4.8		78.5	41.4	45	
	2844	790	3.5		82.5	32.9		
	3204	890	2		73.5	23.8		
+2°	2808	780	5.1		76.5	51.0	55	
	3240	900	3.6		82	38.8		
	3510	975	2.5		75	31.9		
+4°	3366	935	4.4	78.6	51.3	65		
	3636	1010	4	79.5	49.9			
	3834	1065	3.6	76.5	49.2			

500ZQB-160 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	2192	609	3.72	980	79.3	28.0	37	450
	2545	707	2.56		84.2	21.2		
	2804	779	1.71		79.3	16.5		
0°	2569	714	3.57		79.3	31.5	45	
	2956	821	2.57		84.2	24.6		
	3158	877	1.79		79.3	19.4		
+2°	2989	830	3.41		79.3	35.0	55	
	3194	887	3.02		82.0	32.1		
	3474	965	2.13		80.2	25.1		

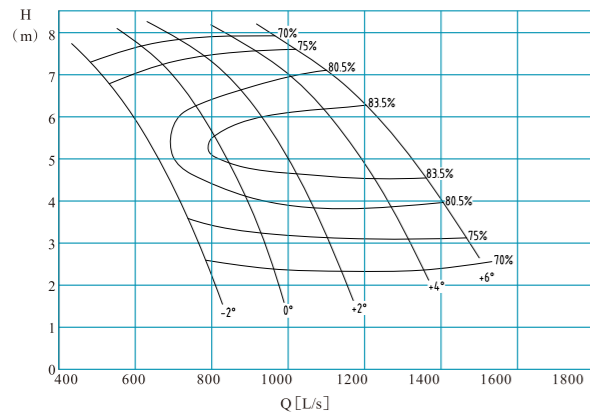
500ZQB-160D type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	1432	398	2.50	980	80.2	12.2	15	450
	1650	458	1.70		83.3	9.2		
	1807	502	1.00		81.1	6.1		
0°	1708	474	2.52		80.4	14.6	18.5	
	1951	542	1.75		83.5	11.1		
	2106	585	1.20		81.2	8.5		
+2°	2014	559	2.50		80.3	17.1	22	
	2230	619	1.76		82.8	12.9		
	2370	658	1.35		80.7	10.8		

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN600

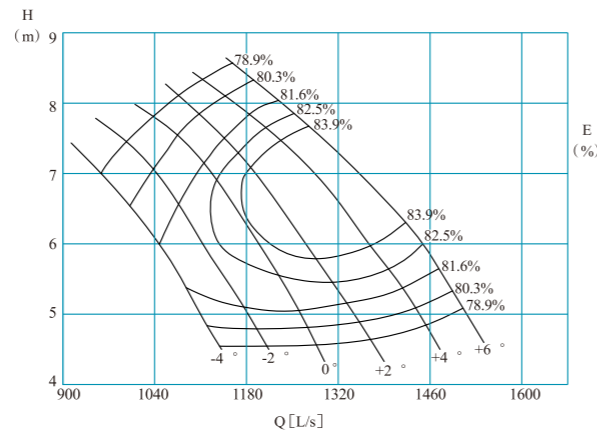
600ZQB-70type submersible axial pump performance curve



600ZQB-70type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	2186	607	6.1	730	76.0	47.5	55	550
	2646	735	4.2		84.5	35.7		
	2876	799	3.0		72.8	32.3		
0°	2438	677	7.6		76.0	66.5	75	
	3058	849	5.4		84.5	53.7		
	3483	967	3.2		79.2	37.8		
+2°	3106	863	7.3		81.0	76.1	90	
	3563	990	5.6		84.0	64.5		
	3994	1109	4.0		80.3	53.8		
+4°	3739	1038	6.8		80.8	86.3	110	
	4199	1166	5.5		84.5	74.8		
	4601	1278	4.1		80.3	64.6		
+6°	4199	1166	7.1	79.9	101.7	110		
	4569	1269	6.1	83.5	90.9			
	4921	1367	5.1	81.1	84.1			

600ZQB-85 type submersible axial pump performance curve



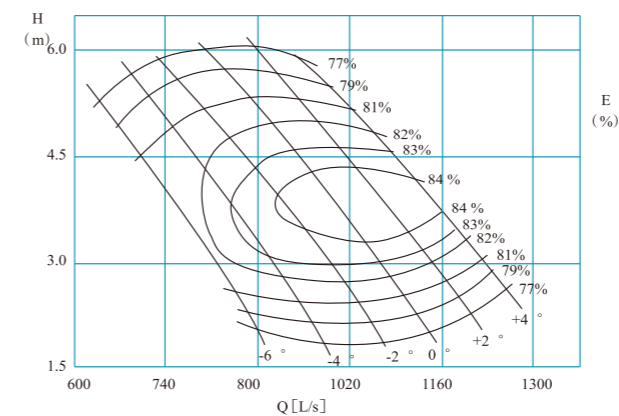
600ZQB-85 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	3294	915	7.20	980	78.5	82.3	90	530
	3726	1035	6.20		82.4	76.4		
	4050	1125	4.75		78.4	66.9		
-2°	3492	970	7.60		79.7	90.7	110	
	3924	1090	6.40		82.3	83.2		
	4302	1195	4.90		80.0	71.8		
0°	3672	1020	7.80		80.4	97.1	110	
	4140	1150	6.60		84.0	88.6		
	4896	1360	5.15		80.0	85.9		
+2°	3888	1080	7.90		81.6	102.6	132	
	4345	1207	6.80		84.0	95.9		
	4770	1325	5.40		82.0	85.6		
+4°	4104	1140	8.10	82.0	110.5	132		
	4590	1275	7.00	84.2	104.0			
	5022	1395	5.60	82.0	93.5			
+6°	4320	1200	8.30	82.4	118.6	132		
	4824	1340	7.20	84.1	112.5			
	5256	1460	5.90	82.3	102.7			

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN600

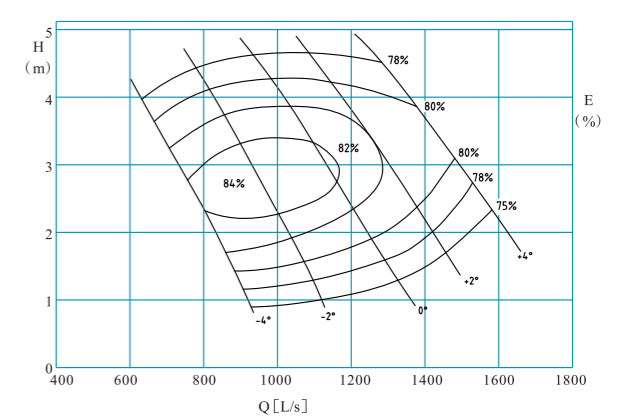
6000ZQB-100 type submersible axial pump performance curve



6000ZQB-100 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	2556	710	4.45	730	81.1	38.2	45	550
	2808	780	3.49		81.6	32.7		
	3132	870	2.43		77.0	26.9		
-4°	3024	840	4.00		83.1	39.7	45	
	3132	870	3.54		83.4	36.2		
	3348	930	2.66		81.3	29.8		
-2°	3132	870	4.45		83.0	45.8	55	
	3420	950	3.49		84.0	38.7		
	3672	1020	2.52		81.2	31.1		
0°	3348	930	4.47		82.7	49.3	55	
	3672	1020	3.59		84.2	42.7		
	3850	1070	2.95		83.0	37.3		
+2°	3924	1090	3.73	84.0	47.5	55		
	4104	1140	3.37	84.2	44.8			
	4176	1160	2.90	81.7	40.4			
+4°	4176	1160	3.79	84.2	51.2	55		
	4284	1190	3.41	83.3	47.8			
	4482	1245	3.00	81.0	45.2			

6000ZQB-125type submersible axial pump performance curve



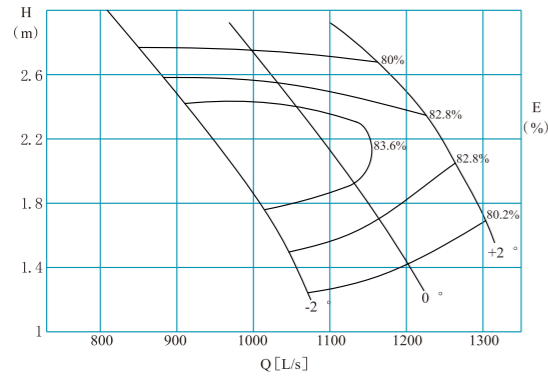
6000ZQB-125type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	2528	702	3.3	730	82.3	27.8	30	550
	2863	795	2.4		84.3	22.1		
	3211	892	1.2		73.0	14.6		
-2°	2876	799	4.0		81.1	39.0	45	
	3556	988	2.5		85.0	28.4		
	4033	1120	1.0		67.9	16.8		
0°	3550	986	4.4		78.6	54.2	70	
	4167	1157	2.9		83.3	40.1		
	4902	1362	1.1		67.2	21.3		
+2°	3716	1032	5.2		72.8	71.9	90	
	4643	1290	3.3		81.7	51.6		
	5269	1464	1.8		73.1	35.3		
+4°	4601	1278	4.7	74.9	78.6	90		
	5275	1465	3.4	75.8	65.1			
	5694	1582	2.5	73.7	52.4			

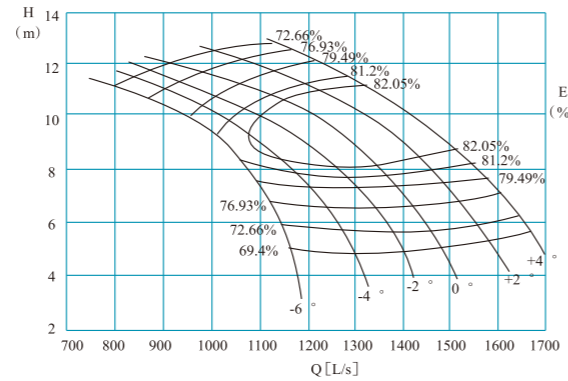
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN600/DN700

600ZQB-160 type submersible axial pump performance curve



700ZQB-50 type submersible axial pump performance curve



600ZQB-160 type submersible axial pump performance data

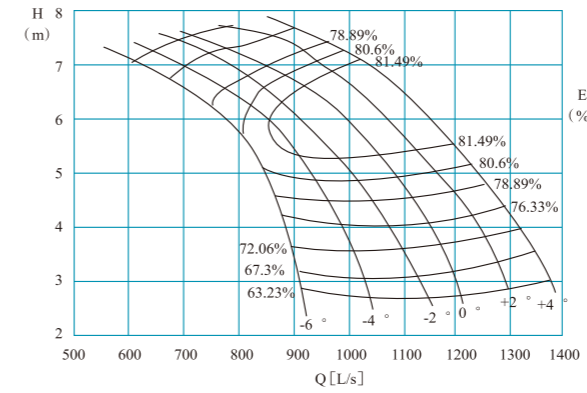
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	2981	828	3.08	730	80.2	31.2	37	550
	3463	962	2.12		85.0	23.5		
	3814	1059	1.42		80.2	18.4		
0°	3493	970	2.96		80.2	35.1	45	
	4169	1158	1.77		82.8	24.3		
	4295	1193	1.48		80.2	21.6		
+2°	4065	1129	2.83		80.2	39.1	45	
	4345	1207	2.51		82.8	35.9		
	4728	1313	1.76		81.1	28.0		

700ZQB-50 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	2827	785	11.07	730	72.7	117.4	132	600
	3715	1032	8.75		81.5	108.7		
	4135	1149	4.24		65.0	73.5		
-4°	3893	1081	9.39		82.0	121.5	160	
	4010	1114	9.00		82.1	119.8		
	4698	1305	5.60		72.7	98.6		
-2°	3103	862	11.70		72.7	136.1	160	
	4334	1204	9.00		82.5	128.8		
	5112	1420	5.25		70.0	104.5		
0°	3436	954	11.32	76.9	137.8	185		
	4653	1293	9.24	82.1	142.7			
	5191	1442	4.81	72.7	93.6			
+2°	3879	1078	12.05	76.9	165.6	185		
	4896	1360	9.5	83.0	152.7			
	5738	1594	5.85	72.7	125.8			
+4°	4749	1319	11.07	82.0	174.7	185		
	5162	1434	9.75	83.0	165.2			
	6017	1671	6.14	72.7	138.5			

ZQB Series-DN700

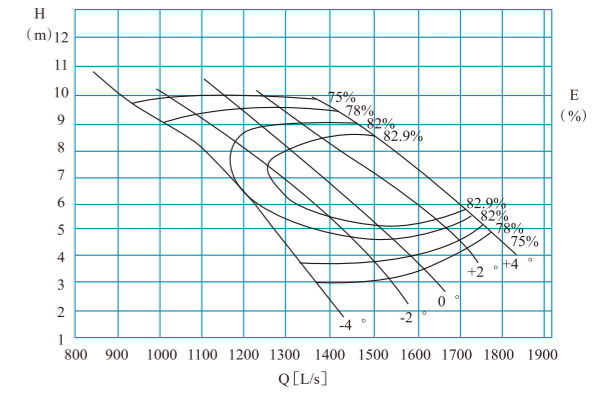
700ZQB-50D type submersible axial pump performance curve



700ZQB-50D type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	2246	624	6.99	590	71.9	59.5	75	600
	2952	820	5.52		80.9	54.9		
	3285	913	2.68		64.0	37.5		
-4°	3093	859	5.93		81.4	61.4	75	
	3186	885	5.68		81.8	60.3		
	3733	1037	3.54		71.9	50.1		
-2°	2465	685	7.39		71.9	69.0	75	
	3444	957	5.68		81.9	65.1		
	4062	1128	3.31		70.0	52.3		
0°	2730	758	7.15	76.2	69.8	90		
	3697	1027	5.83	81.5	72.1			
	4124	1146	3.04	71.9	47.5			
+2°	3082	856	7.61	76.2	83.9	90		
	3890	1081	6.00	82.4	77.5			
	4559	1266	3.69	71.9	63.8			
+4°	3773	1048	6.99	81.4	88.3	90		
	4102	1139	6.15	82.4	83.4			
	4781	1328	3.88	71.9	70.3			

700ZQB-70 type submersible axial pump performance curve



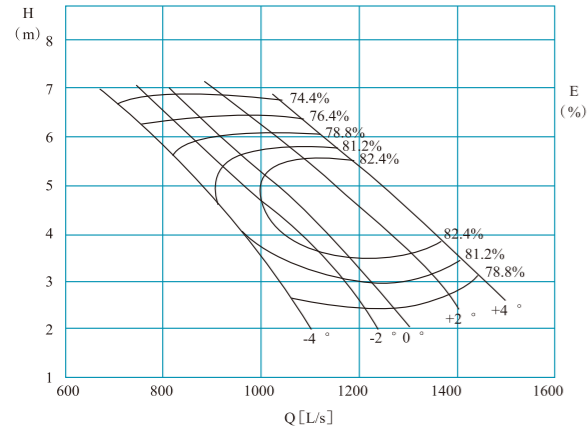
700ZQB-70 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	3038	844	10.80	730	72.1	124.0	132	650
	3908	1086	8.04		82.0	104.1		
	4563	1268	4.99		81.0	76.6		
-2°	3828	1063	9.41		76.5	128.3	132	
	4467	1241	7.58		81.4	113.4		
	4995	1388	5.63		75.4	101.6		
0°	4595	1276	8.04		81.3	123.8	132	
	4795	1332	7.25		82.5	114.8		
	5562	1545	4.48		78.6	86.4		
+2°	5195	1443	7.58	82.6	129.9	160		
	5682	1578	6.31	83.5	117.0			
	5922	1645	5.36	82.8	104.5			
+4°	5760	1600	7.20	83.2	135.8	160		
	5994	1665	6.43	84.2	124.7			
	6340	1761	5.05	80.3	108.7			

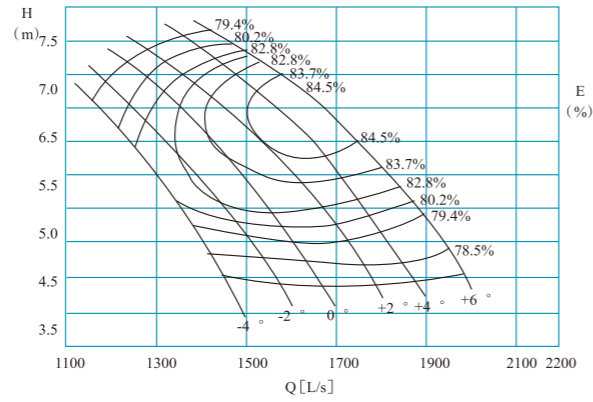
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN700

700ZQB-70D type submersible axial pump performance curve



700ZQB-70* type submersible axial pump performance curve



700ZQB-70D type submersible axial pump performance data

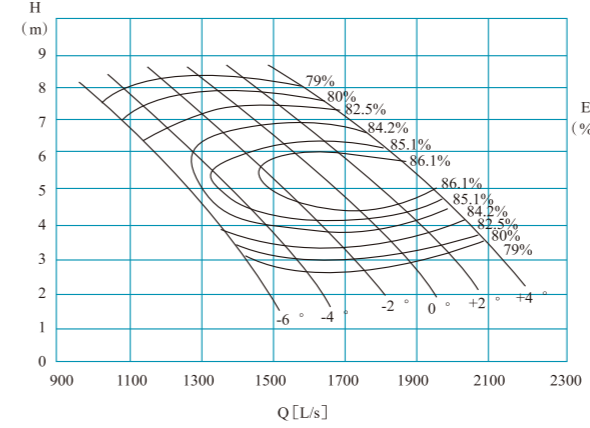
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	2410	669	6.96	590	70.5	64.8	75	650
	3110	864	5.17		80.0	54.8		
	3660	1017	3.20		78.8	40.5		
-2°	2786	774	6.75		75.0	68.3		
	3557	988	4.74		80.5	57.1		
	3974	1104	3.61		75.9	51.5		
0°	3506	974	5.44		79.4	65.5		
	3820	1061	4.66		81.5	59.5		
	4446	1235	2.85		77.4	44.6		
+2°	4060	1128	5.17		81.8	69.9		
	4529	1258	4.00		82.3	60.0		
	4720	1311	3.44		81.8	54.1		
+4°	4658	1294	4.60	83.3	70.1			
	4975	1382	3.68	82.8	60.4			
	5120	1422	3.20	79.3	56.3			

700ZQB-70* type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	4356	1210	6.45	590	79.4	96.4	110	650
	4860	1350	5.5		82.0	88.8		
	5256	1460	4.25		79.4	76.7		
-2°	4572	1270	6.65		80.0	103.6		
	5184	1440	5.5		82.8	93.8		
	5688	1580	4.15		79.4	81.0		
0°	4780	1328	6.7		80.8	108.0		
	5436	1510	5.7		83.7	100.9		
	6084	1690	4.05		76.4	87.9		
+2°	5040	1400	7		81.1	118.5		
	5652	1570	6		84.0	110.0		
	6480	1800	4.1		79.4	91.2		
+4°	5256	1460	7.25	81.1	128.0			
	6012	1670	6.2	84.5	120.2			
	6840	1900	4.17	79.4	97.9			
+6°	5544	1540	7.45	81.1	138.8			
	6228	1730	6.45	84.5	129.5			
	7200	2000	4.47	79.4	110.5			

ZQB Series-DN700

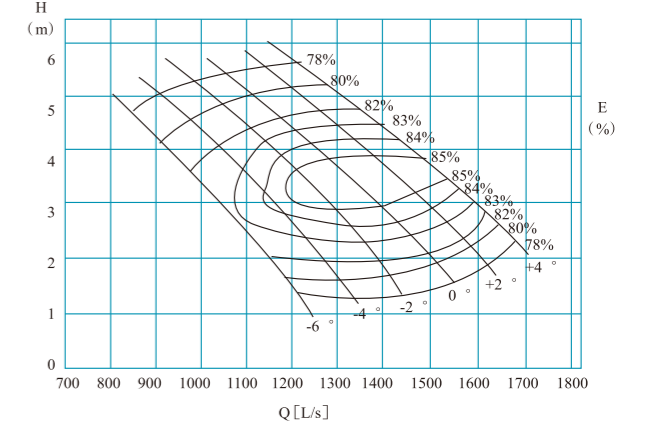
700ZQB-100 type submersible axial pump performance curve



700ZQB-100 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	3888	1080	7.00	730	79.0	93.9	110	650
	4572	1270	5.00		81.0	76.9		
	5040	1400	3.30		79.0	57.4		
-4°	4176	1160	7.20		79.0	103.7		
	4860	1350	5.30		82.5	85.1		
	5472	1520	3.00		79.0	56.6		
-2°	4572	1270	7.50		79.0	118.3		
	5329	1480	5.50		83.0	96.2		
	5976	1660	3.35		79.0	69.1		
0°	4968	1380	7.60		79.0	130.2		
	5850	1625	5.50		83.4	105.1		
	6516	1810	3.45		79.0	77.5		
+2°	5400	1500	7.65	79.0	142.5			
	6300	1750	5.50	83.4	113.2			
	6948	1930	3.55	79.0	85.1			
+4°	5760	1600	7.60	79.0	151.0			
	6660	1850	5.70	83.4	124.0			
	7380	2050	3.70	79.0	94.2			

700ZQB-100D type submersible axial pump performance curve



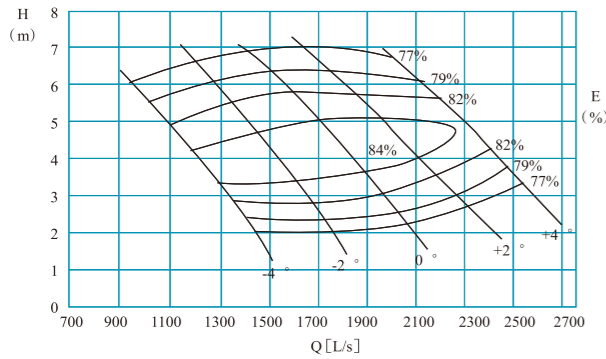
700ZQB-100D type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	3021	839	4.76	590	78.0	50.2	55	650
	3693	1026	3.20		82.0	39.3		
	4166	1157	1.89		78.0	27.5		
-4°	3230	897	5.13		80.0	56.4		
	4172	1159	3.14		84.0	42.5		
	4572	1270	1.98		78.0	31.6		
-2°	3390	942	5.45		78.0	64.5		
	4506	1252	3.17		85.0	45.8		
	4979	1383	1.94		80.0	32.9		
0°	3981	1106	5.09		80.0	68.0		
	4875	1354	3.20		85.0	50.0		
	5363	1490	2.02		80.0	36.9		
+2°	4173	1159	5.34	78.0	77.9			
	5171	1436	3.40	85.0	56.4			
	5769	1603	2.03	78.0	40.9			
+4°	4196	1166	5.88	78.0	86.2			
	5540	1539	3.40	85.0	60.4			
	6079	1689	2.29	78.0	48.6			

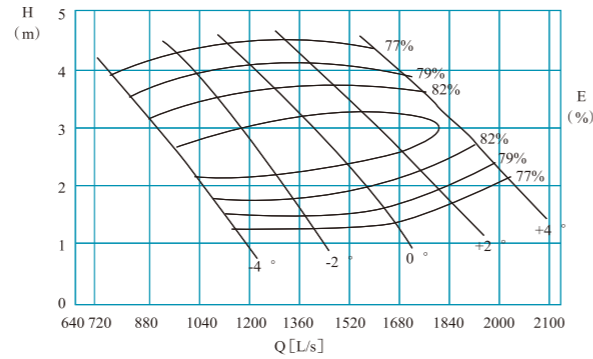
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN700

700ZQB-125 type submersible axial pump performance curve



700ZQB-125D type submersible axial pump performance curve



700ZQB-125 type submersible axial pump performance data

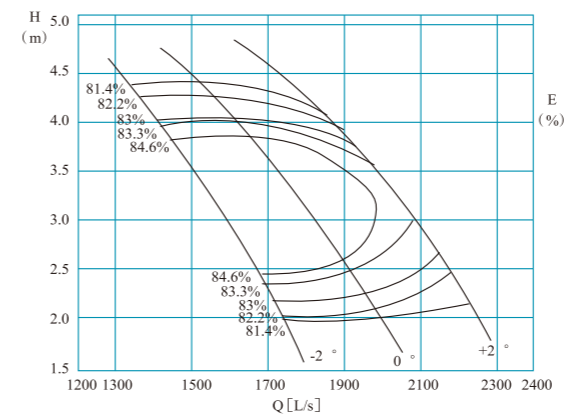
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	3398	944	6.10	730	77.0	73.4	90	650
	4572	1270	3.61		84.0	53.5		
	5141	1428	2.12		78.0	38.1		
-2°	4799	1333	5.80		79.0	96.0	110	
	5533	1537	4.05		82.5	74.0		
	6048	1680	2.57		79.0	53.6		
0°	5825	1618	5.67		81.0	111.1	132	
	6635	1843	4.05		82.5	88.8		
	7222	2006	2.70		79.0	67.3		
+2°	6487	1802	6.08		79.0	136.0	160	
	7441	2067	4.32		82.5	106.2		
	7956	2210	3.24		79.0	88.9		
+4°	8352	2320	4.81	83.0	131.9	160		
	8402	2334	4.17	82.0	116.4			
	8910	2475	3.73	79.0	114.6			

700ZQB-125D type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	2725	757	3.92	590	76.0	38.3	45	650
	3668	1019	2.32		83.3	27.8		
	4104	1140	1.36		77.2	19.7		
-2°	3636	1010	3.98		78.5	50.2	55	
	4511	1253	2.40		83.8	35.2		
	5051	1403	1.24		75.5	22.6		
0°	4392	1220	4.00		79.5	60.2	75	
	5314	1476	2.57		83.8	44.4		
	5922	1645	1.51		76.5	31.9		
+2°	5069	1408	4.04		79.0	70.6	90	
	5651	1653	2.74		83.3	53.3		
	6400	1778	2.02		80.0	44.0		
+4°	5995	1665	4.00	78.8	82.9	90		
	6682	1856	3.10	82.5	68.4			
	6732	1870	3.03	82.5	67.4			

ZQB Series-DN700/DN800

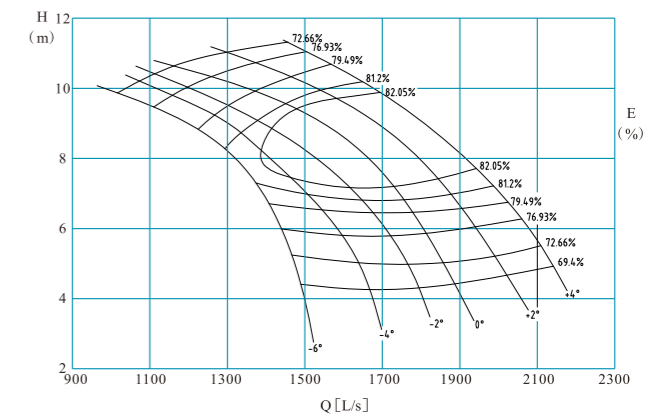
700ZQB-160 type submersible axial pump performance curve



700ZQB-160 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	4922	1367	4.30	730	81.4	70.9	75	650
	5715	1588	2.96		85.0	54.2		
	6295	1749	1.98		81.4	41.7		
0°	5766	1602	4.13		81.4	79.7	90	
	6637	1844	2.97		85.6	62.8		
	7086	1968	2.07		81.4	49.1		
+2°	6710	1864	3.95		81.4	88.7	90	
	7171	1992	3.50		83.8	81.6		
	7798	2166	2.46		82.2	63.6		

800ZQB-50 type submersible axial pump performance curve



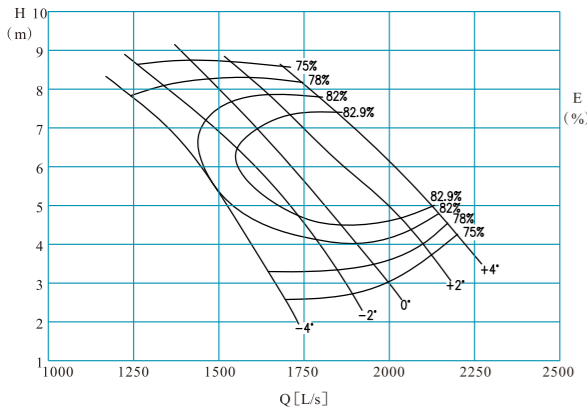
800ZQB-50 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	3737	1038	10.1	590	73.0	141.4	160	700
	4911	1364	8.0		81.9	130.9		
	5466	1518	3.9		65.3	88.5		
-4°	5146	1430	8.6		82.4	146.3	160	
	5301	1472	8.2		82.5	144.3		
	6210	1725	5.1		73.1	118.8		
-2°	4102	1139	10.7		73.1	163.9	185	
	5729	1591	8.2		82.9	155.2		
	6758	1877	4.8		70.4	125.8		
0°	4542	1262	10.4		77.3	166.0	185	
	6151	1709	8.5		82.5	171.9		
	6862	1906	4.4		73.1	112.7		
+2°	5128	1424	10.8	77.3	195.4	220		
	6472	1798	8.7	83.4	183.9			
	7585	2107	5.4	73.1	151.6			
+4°	6278	1744	10.1	82.4	210.4	220		
	6824	1895	8.9	83.4	199.0			
	7954	2209	5.6	73.1	166.8			

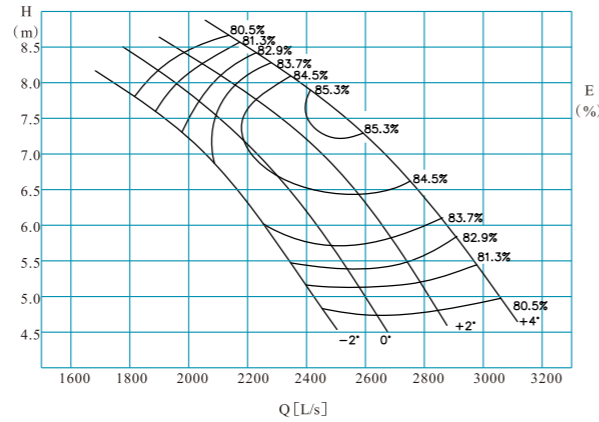
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN800

800ZQB-70 type submersible axial pump performance curve



800ZQB-100 type submersible axial pump performance curve



800ZQB-70 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	3772	1048	9.39	590	133.2	72.5	160	750
	4852	1348	6.99		112.2	82.4		
	5665	1574	4.34		82.3	81.4		
-2°	4753	1320	8.18		137.8	76.9		
	5546	1541	6.59		121.8	81.8		
	6202	1723	4.90		109.2	75.8		
0°	5705	1585	6.99		133.0	81.7		
	5953	1654	6.31		123.4	82.9		
	6906	1918	3.90		92.8	79.0		
+2°	6450	1792	6.59		139.6	83.0		
	7055	1960	5.49		125.7	83.9		
	7353	2042	4.66		112.3	82.2		
+4°	7151	1987	6.26	146.0	83.6			
	7442	2067	5.59	134.0	84.6			
	7872	2187	4.39	116.7	80.7			

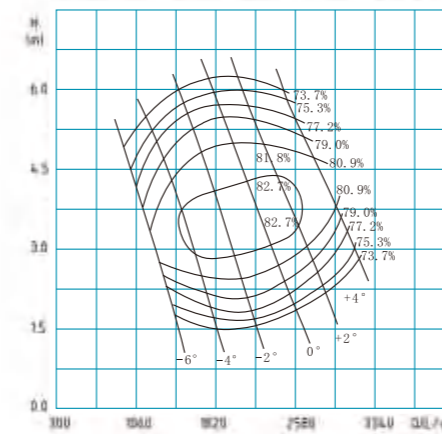
800ZQB-100 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	6235	1732	8.1	730	80.0	171.0	220	765
	7790	2164	6.5		84.0	164.3		
	8716	2421	5.0		82.9	143.3		
0°	6847	1902	8.2		81.3	187.0		
	8104	2251	6.8		85.1	175.9		
	9310	2586	5.1		81.0	159.7		
+2°	7560	2100	8.2		82.3	204.5		
	8640	2400	7.2		86.0	197.4		
	9900	2750	5.4		81.5	178.7		
+4°	7920	2200	8.5		81.6	224.8		
	9000	2500	7.6		85.8	217.8		
	10440	2900	5.8		82.0	201.2		

400

ZQB Series-DN800

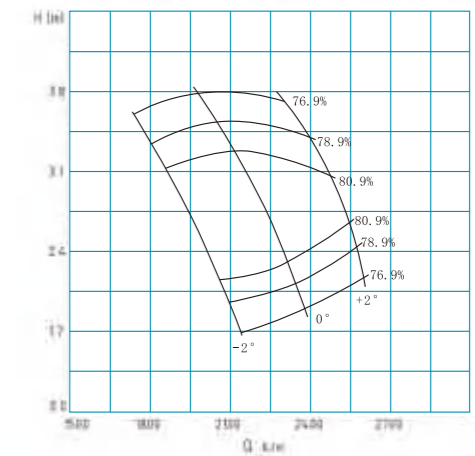
800ZQB-125 type submersible axial pump performance curve



800ZQB-125 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	3449	958	4.68	590	74.04	63.56	80	750
	4421	1228	3.10		81.99	48.69		
	5119	1422	1.70		73.24	64.56		
-4°	4655	1293	4.83		78.24	83.78		
	5634	1565	3.28		82.70	65.16		
	6332	1759	1.91		76.75	45.90		
-2°	5882	1634	5.02		80.09	107.60		
	6811	1892	3.50		82.70	84.1		
	7556	2099	2.17		79.91	59.71		
0°	6948	2930	5.23		79.47	133.30		
	7985	2218	3.77		82.70	106.00		
	8827	2452	2.48		80.02	79.82		
+2°	7834	2176	5.43	78.73	157.60			
	8968	2491	4.02	82.70	127.00			
	9889	2747	2.78	79.23	101.30			
+4°	9025	2507	5.73	75.20	200.60			
	10217	2838	4.38	81.82	159.50			
	11131	3092	3.18	77.11	133.80			

800ZQB-160 type submersible axial pump performance curve



800ZQB-160 type submersible axial pump performance data

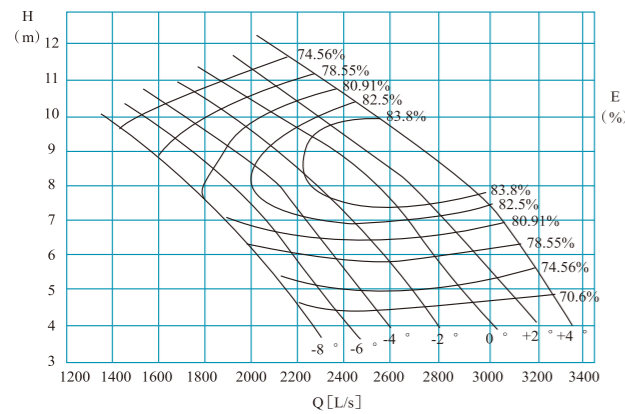
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	6656	1849	3.19	590	79.99	77.36	90	750
	7186	1996	2.48		80.90	64.31		
	7661	2128	1.78		78.03	50.93		
0°	7567	2102	3.36		79.92	92.77		
	8093	2248	2.67		80.90	77.79		
	8528	2369	1.96		77.97	62.60		
+2°	8485	2357	3.55		77.83	113.00		
	9036	2510	2.68		80.90	93.84		
	9428	2619	2.18		77.91	76.93		

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

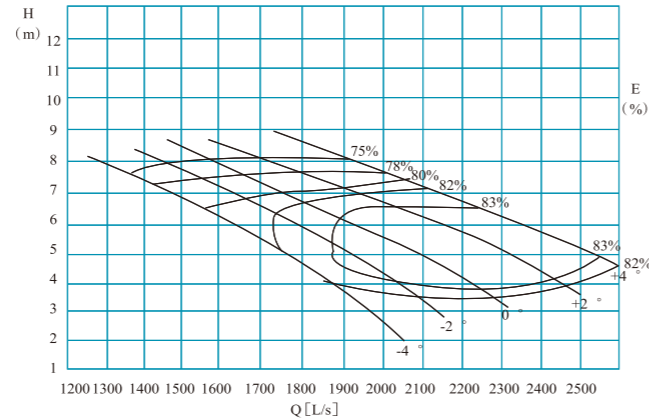
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN900

900ZQB-50 type submersible axial pump performance curve



900ZQB-70 type submersible axial pump performance curve



900ZQB-50 type submersible axial pump performance data

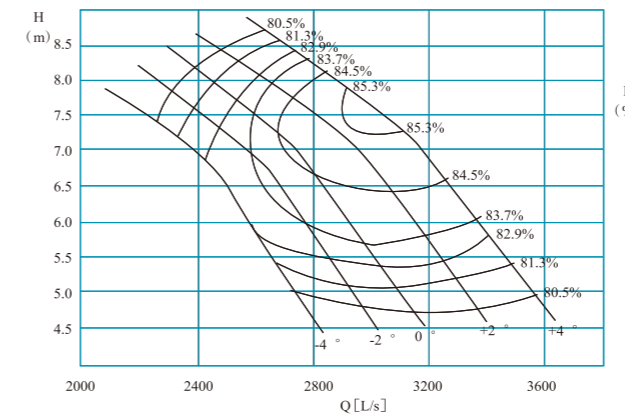
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-8°	5161	1434	9.65	490	74.6	181.9	185	850
	6472	1798	7.82		81.0	170.6		
	7596	2110	4.58		70.6	134.3		
-6°	5659	1572	9.77		75.0	200.9	220	
	7139	1983	7.82		82.8	183.7		
	8578	2383	3.83		66.6	134.4		
-4°	5638	1566	10.31		74.6	212.3	250	
	7761	2156	8.06		84.0	202.9		
	9187	2552	4.37		70.6	155.0		
-2°	6558	1822	10.24		78.5	233.1	280	
	7995	2221	8.3		84.0	215.3		
	10038	2788	3.91		67.0	159.6		
0°	7470	2075	9.89	80.9	248.8	315		
	8882	2467	8.34	84.2	239.7			
	10570	2936	4.42	70.6	180.3			
+2°	7402	2056	10.85	78.5	278.8	185		
	9350	2597	8.55	84.0	259.3			
	11357	3155	4.02	66.6	186.8			
+4°	7859	2183	11.2	78.5	305.5	185		
	9830	2731	8.79	84.0	280.3			
	11774	3271	4.88	70.6	221.8			

900ZQB-70 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	4500	1250	8.06	490	74.0	133.6	160	850
	5800	1611	5.98		82.3	114.8		
	6770	1881	3.72		81.4	84.3		
-2°	5190	1442	7.82		77.5	142.7	250	
	6620	1839	5.49		82.7	119.8		
	7410	2058	4.19		77.0	109.9		
0°	6510	1808	6.41		81.8	139.0	280	
	7200	2000	5.40		83.6	126.7		
	8250	2292	3.33		80.1	93.5		
+2°	7560	2100	5.99		84.0	146.9	185	
	8420	2339	4.70		84.4	127.8		
	8790	2442	4.00		84.0	114.1		
+4°	7740	2150	6.50	82.7	165.8	185		
	8650	2403	5.33	85.6	147.3			
	9300	2583	4.27	84.8	127.6			

ZQB Series-DN900

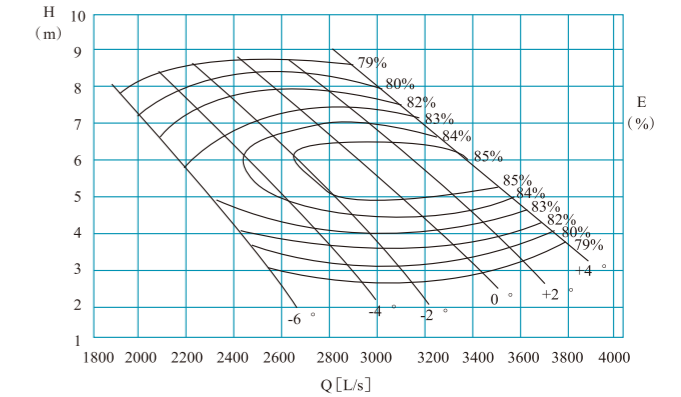
900ZQB-70* type submersible axial pump performance curve



900ZQB-70* type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	8748	2430	6.80	590	83.0	95.3	220	800
	9288	2580	6.00		83.0	183.0		
	9839	2733	5.00		80.5	166.5		
-2°	8350	2319	7.73		80.5	218.5	250	
	9648	2680	6.50		83.8	203.9		
	10620	2950	4.87		80.5	175.1		
0°	8640	2400	8.17		80.5	238.9	280	
	10080	2800	6.70		84.5	217.8		
	11268	3130	4.77		80.5	181.9		
+2°	8964	2490	8.40		80.5	254.9	315	
	10656	2960	7.00		84.5	240.5		
	11988	3330	4.77		80.5	193.6		
+4°	9720	2700	8.50	82.1	274.2	315		
	11124	3090	7.33	85.3	260.5			
	12816	3560	4.93	80.5	213.9			

900ZQB-100 type submersible axial pump performance curve



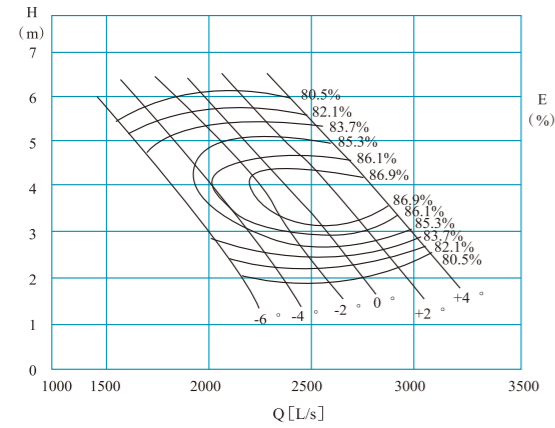
900ZQB-100 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	7416	2060	6.75	590	81.5	167.4	185	850
	8316	2310	5.50		84.0	148.4		
	8856	2460	4.00		82.0	117.7		
-4°	8208	2280	6.85		83.0	184.6	220	
	9306	2585	5.50		84.5	165.1		
	9792	2720	4.00		81.5	131.0		
-2°	8686	2413	7.50		82.5	215.0	250	
	9756	2710	5.75		85.0	179.8		
	10650	2958	4.00		82.0	141.6		
0°	9720	2700	7.25		83.5	230.0	280	
	10728	2980	5.50		85.0	189.2		
	11448	3180	4.50		83.5	168.1		
+2°	10818	3005	6.80	84.5	237.2	315		
	11412	3170	5.75	85.0	210.4			
	12168	3380	4.50	83.5	178.7			
+4°	12168	3380	5.90	85.0	230.2	315		
	12870	3575	4.80	83.5	201.3			
	13835	3843	3.50	82.0	160.9			

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN900

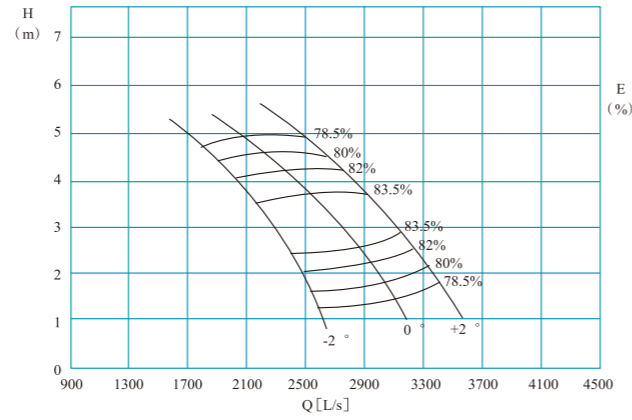
900ZQB-100D type submersible axial pump performance curve



900ZQB-100D type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	5868	1630	5.00	490	80.0	99.9	110	850
	6894	1915	3.50		82.5	79.7		
	7596	2110	2.25		79.0	59.0		
-4°	6660	1850	5.00		80.5	112.7	132	
	7488	2080	3.75		84.0	91.1		
	8388	2330	2.25		80.0	64.3		
-2°	7578	2105	4.60		83.5	113.8	160	
	8028	2230	3.90		85.0	100.4		
	9072	2520	2.25		80.0	69.5		
0°	7560	2100	5.50		80.5	140.8	160	
	8658	2405	4.00		85.0	111.0		
	9684	2690	2.50		80.9	81.5		
+2°	8460	2350	5.20	82.0	146.2	160		
	9378	2605	4.00	85.0	120.3			
	10244	2846	2.80	81.5	95.9			
+4°	9468	2630	4.75	84.0	145.9	160		
	10080	2800	4.00	85.0	129.3			
	10818	3005	3.00	81.8	108.1			

900ZQB-125 type submersible axial pump performance curve

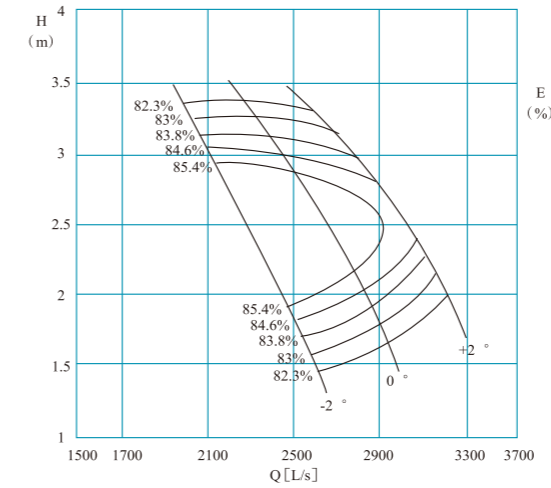


900ZQB-125 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	7056	1960	4.30	490	80.0	103.3	110	850
	8136	2260	3.00		83.5	79.7		
	8892	2470	1.90		80.0	57.5		
	8568	2380	4.20		82.0	119.6		
0°	9756	2710	3.00	83.5	95.5	132		
	10620	2950	2.00	80.0	72.3			
	9540	2650	4.50	80.0	146.2			
+2°	10944	3040	3.20	83.5	114.3	160		
	11700	3250	2.40	80.0	95.6			

ZQB Series-DN900/DN1000

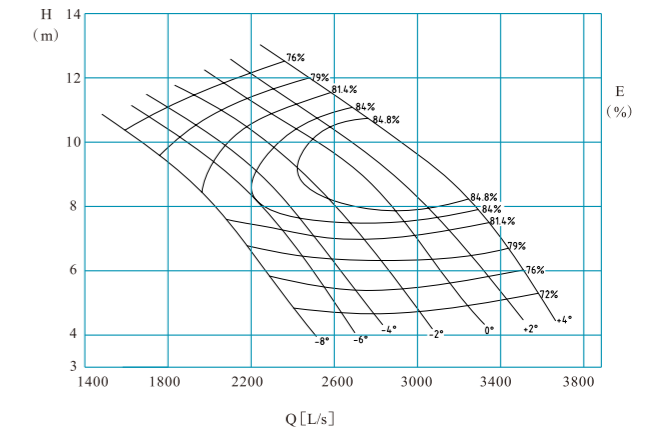
900ZQB-160 type submersible axial pump performance curve



900ZQB-160 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	7315	2032	3.25	490	82.3	78.8	90	850
	8492	2359	2.24		85.7	60.5		
	9234	2565	1.57		83.0	47.6		
	8568	2380	3.12		82.3	88.5		
0°	9850	2736	2.25	86.5	69.8	110		
	10476	2910	1.63	83.0	56.1			
	9968	2769	3.00	82.3	99.0			
+2°	10656	2960	2.64	84.5	90.7	110		
	11462	3184	2.01	83.0	75.6			

1000ZQB-50 type submersible axial pump performance curve



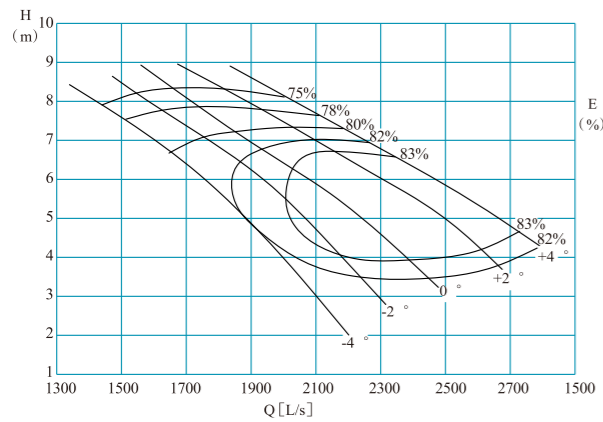
1000ZQB-50 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-8°	5700	1583	10.4	490	75.3	214.7	220	870
	7148	1986	8.4		81.8	200.9		
	8389	2330	4.9		71.3	158.4		
-6°	6250	1736	10.5		75.8	237.0	250	
	7885	2190	8.4		83.6	216.8		
	9474	2632	4.1		67.3	158.6		
-4°	6227	1730	11.1		75.3	250.5	280	
	8571	2381	8.7		84.8	239.4		
	10146	2818	4.7		71.3	182.8		
-2°	7243	2012	11.0		79.3	275.1	315	
	8830	2453	9.0		84.8	254.0		
	11086	3080	4.2		67.7	188.4		
0°	8250	2292	10.7	81.7	293.6	355		
	9810	2725	9.0	85.0	282.9			
	11674	3243	4.8	71.3	212.8			
+2°	8175	2271	11.7	79.3	329.0	400		
	10326	2868	9.2	84.8	306.0			
	12543	3484	4.3	67.3	220.4			
+4°	8680	2411	12.1	79.3	360.5	400		
	10857	3016	9.5	84.8	330.7			
	13004	3612	5.3	71.3	261.7			

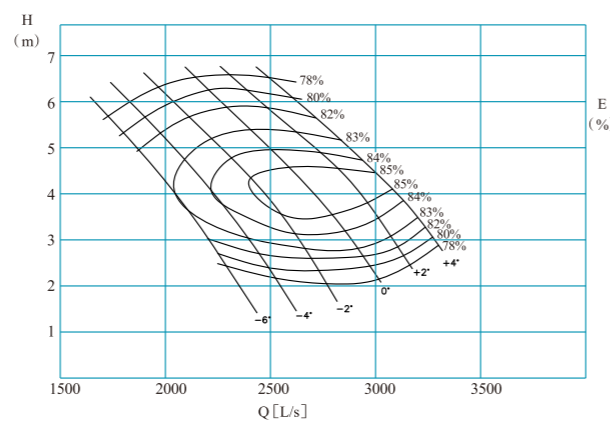
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN1000

1000ZQB-70 type submersible axial pump performance curve



1000ZQB-100 type submersible axial pump performance curve



1000ZQB-70 type submersible axial pump performance data

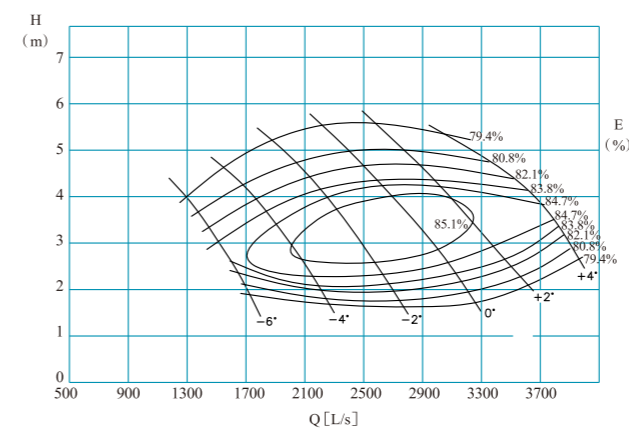
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	4825	1340	8.44	490	74.4	149.2	160	870
	6219	1728	6.26		82.7	128.4		
	7259	2016	3.90		81.8	94.2		
-2°	5565	1546	8.19		77.9	159.5	185	
	7098	1972	5.75		83.1	133.9		
	7945	2207	4.39		77.4	122.8		
0°	6980	1939	6.72		82.2	155.4	220	
	7720	2145	5.66		84.0	141.7		
	8846	2457	3.49		80.5	104.5		
+2°	8106	2252	6.28		84.4	164.2	220	
	9028	2508	4.92		84.8	142.8		
	9425	2618	4.19		84.4	127.5		
+4°	8299	2305	6.81	83.1	185.3	220		
	9275	2576	5.58	85.7	164.7			
	9972	2770	4.47	85.2	142.7			

1000ZQB-100 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	6621	1839	5.11	490	81.5	113.1	132	870
	7192	1998	4.25		83.0	100.4		
	8010	2225	2.82		80.5	76.5		
-4°	7127	1980	5.34		82.5	125.7	160	
	7919	2200	4.15		84.3	106.2		
	8737	2427	2.82		81.0	82.9		
-2°	7854	2182	5.39		83.0	139.0	200	
	8698	2416	4.29		85.0	119.6		
	9593	2665	2.82		81.2	90.8		
0°	8451	2348	5.64		82.8	156.9	220	
	9451	2625	4.42		85.3	133.4		
	10424	2896	2.94		82.5	101.2		
+2°	9035	2510	5.76	82.5	171.9	220		
	10074	2798	4.66	85.8	149.1			
	11112	3087	2.68	79.5	102.1			
+4°	9671	2686	5.76	81.5	186.3	220		
	10749	2986	4.53	85.8	154.6			
	11787	3274	3.19	81.5	125.7			

ZQB Series-DN1000/DN1200

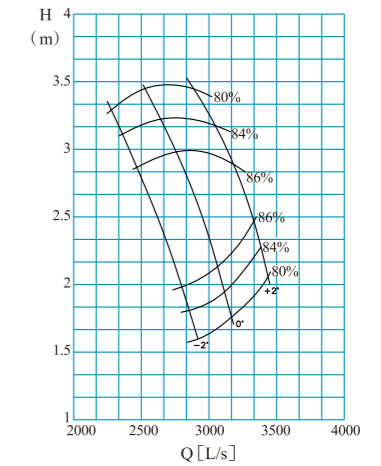
1000ZQB-125 type submersible axial pump performance curve



1000ZQB-125 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	5230	1453	3.26	490	81.1	57.3	65	870
	5734	1593	2.64		82.8	49.8		
	6082	1689	2.11		79.5	44.0		
-4°	5756	1599	4.43		79.8	87.1	110	
	7166	1991	2.95		84.1	68.5		
	7825	2174	2.01		81.1	52.8		
-2°	7592	2109	4.53		81.1	115.6	132	
	8754	2432	3.17		84.1	89.9		
	9568	2658	2.01		81.1	64.6		
0°	9219	2561	4.43		82.8	134.4	160	
	10498	2916	3.17		84.1	107.8		
	11427	3174	2.11		80.5	81.6		
+2°	10266	2852	4.75	81.1	163.8	200		
	11786	3274	3.17	84.1	121.1			
	12589	3497	2.54	81.1	107.4			
+4°	12280	3411	4.53	81.1	186.9	220		
	13403	3723	3.8	83.7	165.8			
	13868	3852	3.18	81.1	148.2			

1000ZQB-160 type submersible axial pump performance curve



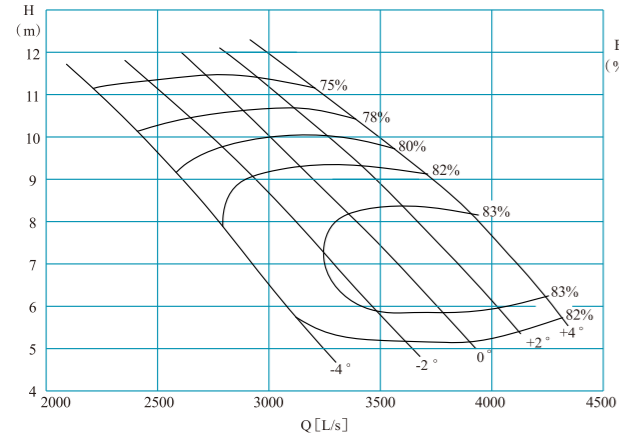
1000ZQB-160 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	10132	2814	1.60	490	83.2	53.0	110	870
	9198	2555	2.50		86.4	72.2		
	7922	2201	3.47		83.2	90.4		
0°	11407	3169	1.67		83.2	62.5	132	
	10682	2967	2.40		86.4	80.8		
	950	264	3.22		83.9	99.6		
+2°	12550	3486	1.99		83.9	81.1	220	
	11927	3313	2.60		85.4	98.8		
	10801	3000	3.19		83.2	112.7		

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN1200

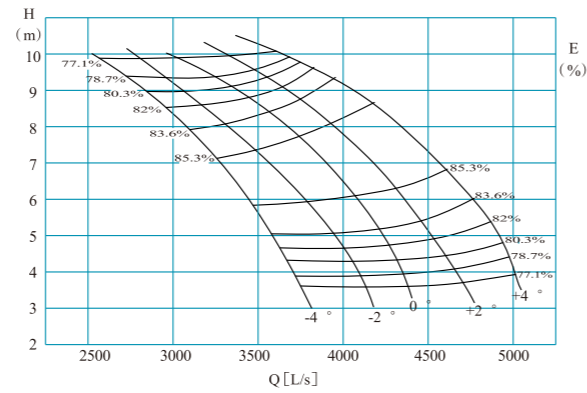
1200ZQB-70 type submersible axial pump performance curve



1200ZQB-70 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	8393	2331	10.96	490	80.0	313.3	355	1000
	10069	2797	8.14		82.4	271.1		
	11466	3185	5.60		81.8	213.9		
-2°	9026	2507	11.14		80.0	342.5	400	
	11624	3229	7.33		84.6	274.4		
	12826	3563	5.29		80.8	228.8		
0°	9881	2745	11.34		80.0	381.7	425	
	12410	3447	7.56		84.6	302.2		
	13856	3849	5.12		80.8	239.3		
+2°	10691	2970	11.25		80.0	409.7	450	
	13425	3729	7.62		84.6	329.5		
	14886	4135	5.58		83.8	270.1		
+4°	11876	3299	10.96	80.0	443.4	500		
	14170	3936	8.03	84.6	366.5			
	15361	4267	6.17	83.8	308.2			

1200ZQB-85 type submersible axial pump performance curve

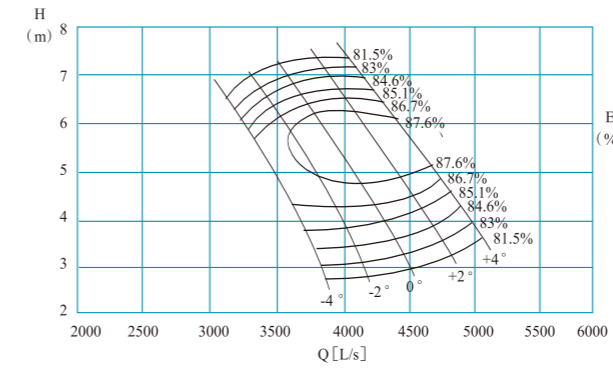


1200ZQB-85 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	10652	2959	8.60	490	83.0	300.8	335	1000
	11968	3324	6.80		85.5	259.4		
	13165	3657	4.70		83.0	203.1		
-2°	11370	3158	8.70		83.0	324.8	355	
	12686	3524	7.20		85.5	291.1		
	14362	3989	4.70		83.0	221.6		
0°	12447	3458	8.90		83.0	363.7	400	
	13883	3856	7.20		86.2	316.0		
	15439	4289	4.80		83.0	243.3		
+2°	13165	3657	9.20		83.0	397.6	450	
	14960	4156	7.20		86.2	340.5		
	16456	4571	5.00		83.0	270.1		
+4°	14362	3989	9.40	84.5	435.4	500		
	15918	4422	7.60	86.2	382.4			
	17474	4854	5.30	83.0	304.1			

ZQB Series-DN1200

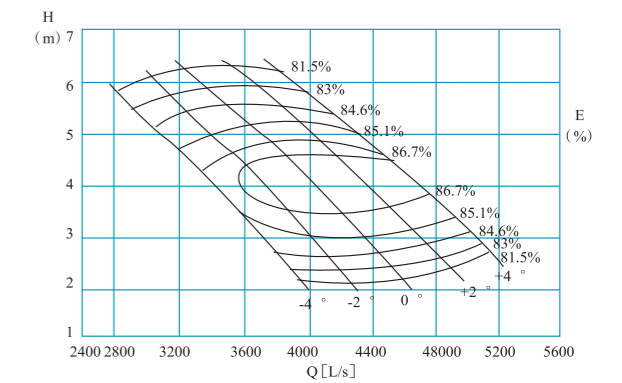
1200ZQB-100 type submersible axial pump performance curve



1200ZQB-100 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	11304	3140	6.43	490	84.7	233.8	250	1000
	12514	3476	5.00		85.4	199.7		
	13644	3790	3.17		81.7	144.3		
-2°	12456	3460	6.48		84.7	259.7	280	
	13460	3739	5.11		86.2	218.4		
	14904	4140	3.07		81.7	152.6		
0°	13865	3851	6.00		86.1	263.3	320	
	14565	4046	5.11		86.2	235.3		
	16020	4450	3.23		81.7	172.6		
+2°	13824	3840	7.21		84.7	320.7	335	
	15448	4291	5.43		86.2	265.2		
	17028	4730	3.53		81.7	200.5		
+4°	15624	4340	6.45	85.4	321.6	500		
	16552	4598	5.42	86.2	283.6			
	17964	4990	3.89	81.7	233.1			

1200ZQB-100* type submersible axial pump performance curve



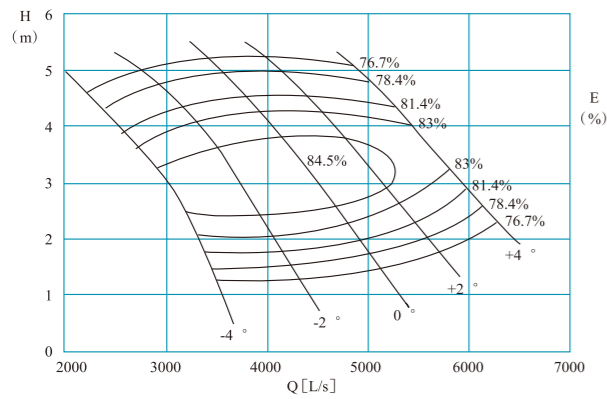
1200ZQB-100* type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	10584	2940	5.40	370	83.0	187.6	220	1100
	12312	3420	4.00		86.9	154.4		
	13752	3820	2.60		84.7	115.0		
-2°	11340	3150	5.70		83.0	212.2	250	
	14220	3950	4.00		87.6	177.0		
	14940	4150	2.58		84.6	124.2		
0°	11808	3280	6.10		81.5	240.8	280	
	14400	4000	4.15		87.6	185.9		
	16056	4460	2.58		84.6	133.5		
+2°	13176	3660	5.90		82.2	257.7	300	
	15840	4400	3.87		87.6	190.7		
	17100	4750	2.75		84.6	151.5		
+4°	14688	4080	5.60	83.0	269.9	500		
	16848	4680	4.00	87.6	209.6			
	18000	5000	3.00	84.6	174.0			

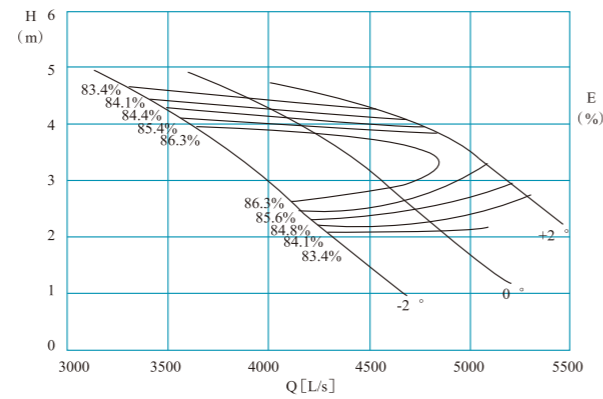
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN1200

1200ZQB-125 type submersible axial pump performance curve



1200ZQB-160 type submersible axial pump performance curve



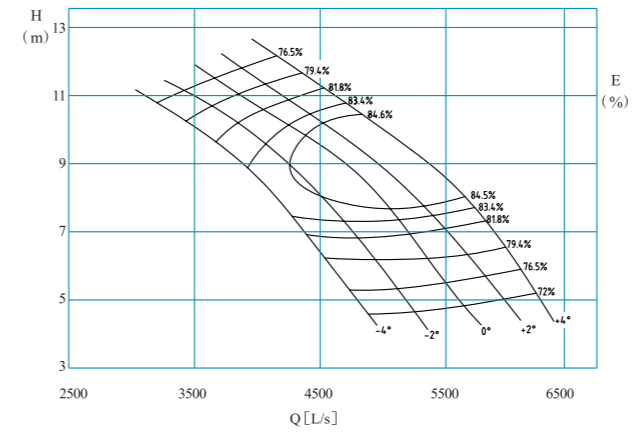
1200ZQB-125 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	8820	2450	4.20	370	79.9	126.3	132	1100
	11160	3100	2.80		84.6	100.7		
	12240	3400	1.66		79.9	69.3		
-2°	12240	3400	4.62		79.9	192.9	220	
	13788	3830	2.80		84.6	124.4		
	15300	4250	1.60		79.9	83.5		
0°	13176	3660	4.80		79.9	215.7	250	
	16200	4500	3.00		84.6	156.6		
	18000	5000	1.85		79.9	113.6		
+2°	15228	4230	4.75		79.9	246.7	300	
	18000	5000	3.30		84.6	191.4		
	19800	5500	2.20		79.9	148.6		
+4°	18360	5100	4.66	79.9	291.8	300		
	21096	5860	3.16	83.1	218.7			
	22320	6200	2.48	78.4	192.4			

1200ZQB-160 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	12031	3342	4.59	490	83.4	180.4	185	1000
	13968	3880	3.29		86.6	144.6		
	15386	4274	2.11		83.4	106.1		
0°	14440	4011	4.26		84.1	199.3	200	
	16222	4506	3.17		86.6	161.8		
	17323	4812	2.21		83.4	125.1		
+2°	16402	4556	4.21		83.4	225.6	250	
	18112	5031	3.43		85.6	197.8		
	19058	5294	2.63		84.1	162.4		

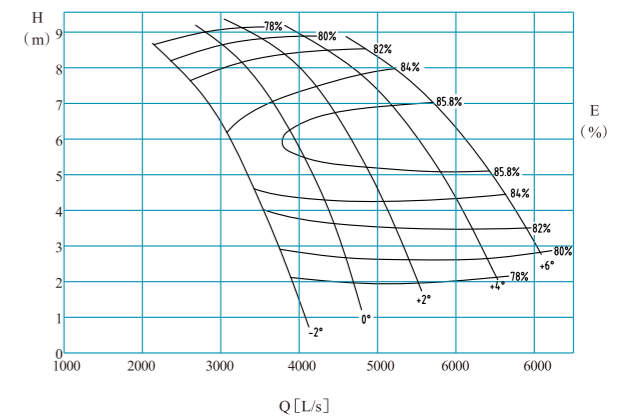
1300ZQB-50 type submersible axial pump performance curve



1300ZQB-50 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	10859	3016	11.1	370	75.3	435.3	450	1150
	14948	4152	8.7		84.8	416.0		
	17695	4915	4.7		71.3	317.7		
-2°	12631	3509	11.0		79.3	477.9	500	
	15399	4278	8.9		84.8	441.3		
	19334	5371	4.2		67.7	327.3		
0°	14388	3997	10.6		81.7	510.2	560	
	17108	4752	9.0		85.0	491.5		
	20359	5655	4.8		71.3	369.7		
+2°	14257	3960	11.7		79.3	571.5	630	
	18009	5003	9.2		84.8	531.7		
	21875	6076	4.3		67.3	383.0		
+4°	15137	4205	12.0	79.3	626.4	710		
	18934	5259	9.4	84.8	574.6			
	22678	6299	5.2	71.3	454.6			

1300ZQB-70 type submersible axial pump performance curve



1300ZQB-70 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	10126	2813	6.8	370	76.7	244.7	250	1150
	12258	3405	4.7		85.3	184.0		
	13324	3701	3.4		73.4	166.6		
0°	11296	3138	8.5		76.7	343.0	355	
	14168	3936	6.1		85.3	276.9		
	16137	4483	3.5		79.9	194.7		
+2°	14390	3997	8.2		81.8	392.3	450	
	16507	4585	6.3		84.8	332.6		
	18506	5141	4.5		81.0	277.3		
+4°	17322	4812	7.7		81.5	445.0	500	
	19453	5404	6.2		85.3	385.8		
	21319	5922	4.6		81.0	332.9		
+6°	19453	5404	8.0	80.7	524.5	560		
	21171	5881	6.8	84.2	468.4			
	22799	6333	5.7	81.9	433.8			

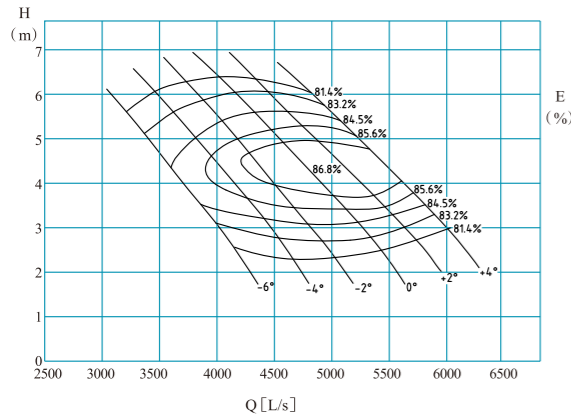
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN1300

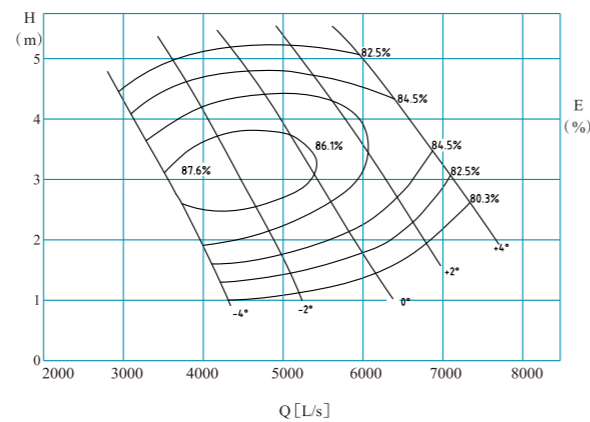
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN1300

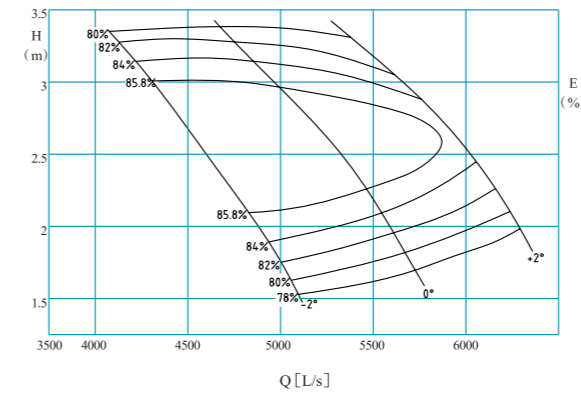
1300ZQB-100type submersible axial pump performance curve



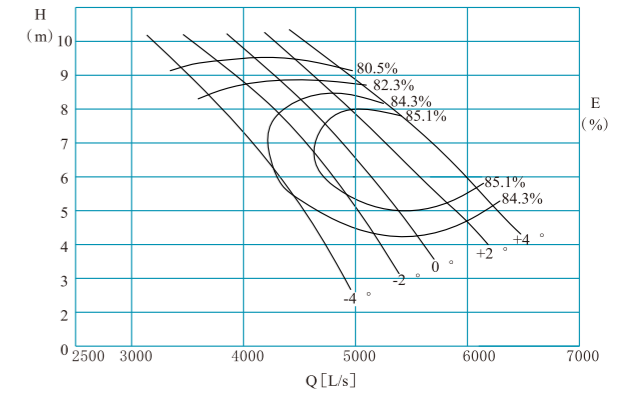
1300ZQB-125type submersible axial pump performance curve



1300ZQB-160type submersible axial pump performance curve



1400ZQB-70 type submersible axial pump performance curve



1300ZQB-100type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	11992	3331	5.3	370	82.6	210.5	220	1150
	13324	3701	4.0		84.7	170.3		
	14390	3997	3.2		82.6	149.7		
-4°	12999	3611	5.7		82.6	245.1	250	
	14923	4145	4.0		86.0	191.1		
	15989	4441	3.2		82.6	166.3		
-2°	14124	3923	5.7		83.7	264.2	280	
	15989	4441	4.1		86.6	208.2		
	17588	4886	2.9		83.7	163.6		
0°	15293	4248	5.9		83.7	294.4	315	
	17588	4886	4.1		86.9	228.7		
	19024	5284	2.8		83.7	176.4		
+2°	16152	4487	5.9	82.8	314.2	355		
	18654	5182	4.4	87.5	253.7			
	20253	5626	3.2	82.6	210.7			
+4°	17322	4812	6.3	81.5	365.1	400		
	19986	5552	4.4	87.2	274.0			
	21319	5922	3.4	82.6	235.6			

1300ZQB-125type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	11711	3253	3.7	370	85.4	139.2	160	1150
	13265	3685	2.7		87.6	110.6		
	14879	4133	1.4		80.5	69.0		
-2°	13324	3701	4.5		84.2	195.4	220	
	16478	4577	2.8		88.2	142.4		
	18684	5190	1.2		80.5	73.5		
0°	16448	4569	4.9		81.6	271.6	280	
	19305	5363	3.3		86.5	200.8		
	22710	6308	1.2		79.5	93.6		
+2°	17218	4783	5.8		80.5	338.3	400	
	21511	5975	3.7		84.9	258.6		
	24413	6781	2.0		80.9	166.1		
+4°	21319	5922	5.3	80.8	379.1	450		
	24443	6790	3.9	84.5	303.7			
	26382	7328	2.8	80.6	249.6			

1300ZQB-160type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	14227	3952	3.6	370	80.9	171.0	185	1150
	16518	4588	2.5		85.9	128.7		
	18199	5055	1.6		80.9	100.5		
0°	16674	4632	3.4		80.9	192.3	220	
	19186	5329	2.5		85.9	150.0		
	20497	5693	1.7		80.9	118.5		
+2°	19400	5389	3.3		80.9	213.7	250	
	20730	5758	2.9		83.6	195.6		
	22548	6263	2.0		81.8	153.4		

1400ZQB-70 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	12210	3392	9.50	365	80.5	392.7	450	1250
	14649	4069	7.06		82.9	340.0		
	16681	4634	4.85		82.3	267.9		
-2°	13132	3648	9.66		80.5	429.4	480	
	16912	4698	6.35		85.1	343.9		
	18660	5183	4.59		81.3	287.1		
0°	14375	3993	9.83		80.5	478.3	530	
	18056	5016	6.56		85.1	379.3		
	20159	5600	4.44		81.3	300.0		
+2°	15554	4321	9.75		80.5	513.4	560	
	19532	5426	6.16		85.1	385.3		
	21657	6016	4.84		84.3	338.8		
+4°	17279	4800	9.50	80.5	555.7	630		
	20616	5727	6.96	85.1	459.5			
	22348	6208	5.35	84.3	386.5			

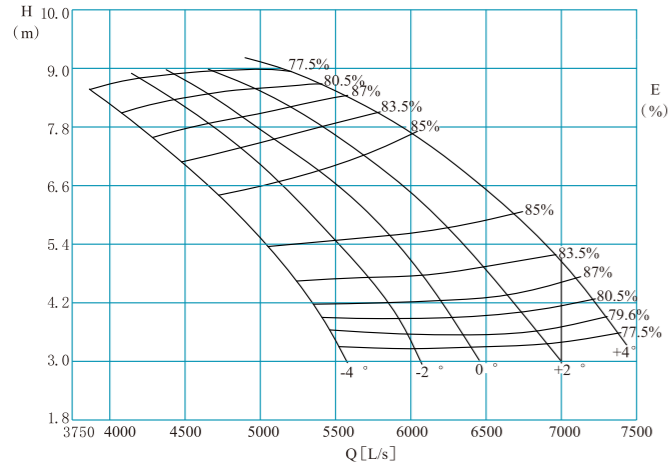
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN1300/DN1400

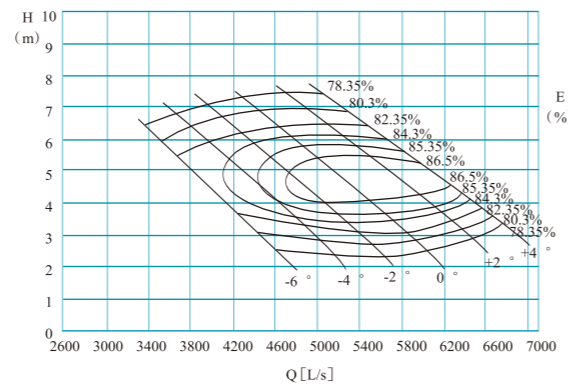
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN1400

1400ZQB-85 type submersible axial pump performance curve



1400ZQB-100 type submersible axial pump performance curve



1400ZQB-85 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	16416	4560	6.9	370	83.5	369.7	400	1250
	17906	4974	5.7		85	327.2		
	19012	5281	4.6		83.5	285.4		
-2°	17777	4938	7.2		83.5	417.7	450	
	19336	5371	6		85	371.9		
	20765	5768	4.7		83.5	318.5		
0°	18817	5227	7.4		83.5	454.4	475	
	20632	5731	6.2		85	410.1		
	22126	6146	4.8		83.5	346.6		
+2°	19530	5425	7.8		83.5	497.1	530	
	22061	6128	6.4		85	452.6		
	23746	6596	5		83.5	387.5		
+4°	20874	5804	8.1	83.5	552.3	600		
	23555	6543	6.7	85	505.9			
	25240	7011	5.2	83.5	428.3			

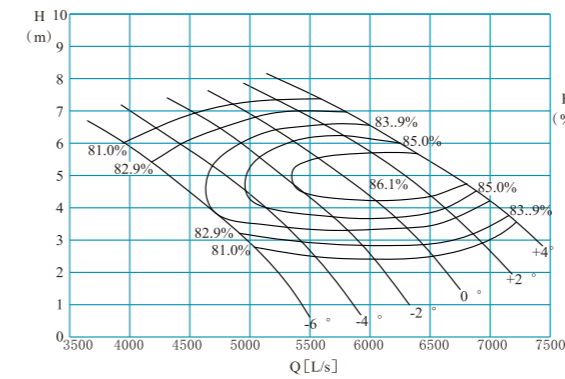
1400ZQB-100 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	12630	3510	6.04	370	80.3	259.0	280	1200
	14688	4080	4.20		84.3	199.4		
	16560	4600	2.60		78.3	149.8		
-4°	14976	4160	5.51		84.3	266.7	335	
	16776	4660	4.04		85.3	216.5		
	18180	5050	2.71		80.3	167.2		
-2°	15300	4250	6.34		82.3	321.2	335	
	17064	4740	5.00		86.3	269.4		
	19800	5500	2.64		80.3	177.4		
0°	17714	4921	5.71		82.3	334.9	355	
	19440	5400	4.40		86.3	270.1		
	21600	6000	2.50		78.3	187.9		
+2°	17784	4940	6.56	82.3	386.3	400		
	21384	5940	4.07	86.3	274.8			
	22968	6380	2.77	78.3	221.4			
+4°	20340	5650	5.85	84.3	384.6	400		
	22428	6230	4.41	86.3	312.3			
	24192	6720	3.13	78.3	263.5			

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN1400

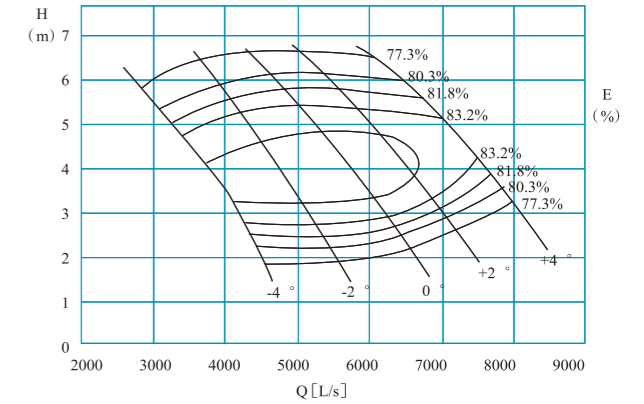
1400ZQB-100* type submersible axial pump performance curve



1400ZQB-100* type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	14627	4063	5.85	370	82.5	282.6	300	1250
	15889	4414	4.87		84.0	251.0		
	17696	4916	3.23		81.8	190.4		
-4°	15746	4374	6.11		82.5	317.8	335	
	17496	4860	4.75		85.3	265.5		
	19302	5362	3.23		82.8	205.2		
-2°	17352	4820	6.17		84.0	347.3	355	
	19216	5338	4.91		86.2	298.3		
	21195	5888	3.23		83.2	224.2		
0°	18671	5186	6.46		84.3	389.9	400	
	20880	5800	5.06		86.3	333.6		
	23031	6398	3.36		83.2	253.5		
+2°	19962	5545	6.59	83.7	428.3	450		
	22090	6136	5.34	86.8	370.3			
	24551	6820	3.49	80.5	290.0			
+4°	21367	5935	6.59	83.0	462.3	475		
	23748	6597	5.19	86.3	389.2			
	26043	7234	3.66	82.5	314.8			

1400ZQB-125 type submersible axial pump performance curve



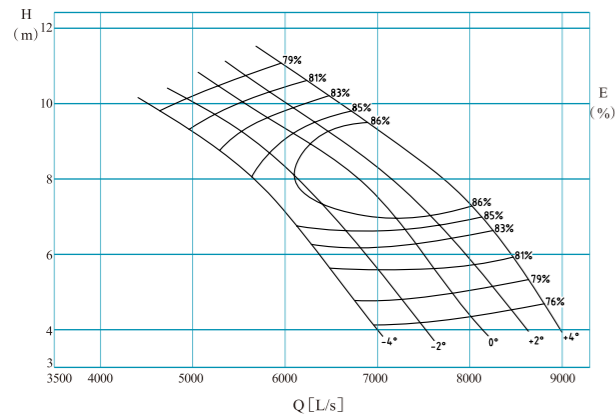
1400ZQB-125 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	11448	3180	5.00	370	80.3	194.3	200	1200
	14400	4000	3.40		84.5	157.9		
	16200	4500	1.90		80.3	104.5		
-2°	14400	4000	5.60		80.3	273.7	280	
	18000	5000	3.20		84.8	185.1		
	19800	5500	1.90		80.3	127.7		
0°	17100	4570	5.70		80.3	330.8	335	
	20520	5700	3.90		84.8	257.2		
	23400	6500	2.20		80.3	174.7		
+2°	19800	5500	5.70		80.3	383.0	400	
	23400	6500	3.90		84.8	293.3		
	25776	7160	2.50		80.3	218.7		
+4°	24732	6870	5.15	81.8	424.3	450		
	27000	7500	4.05	83.7	356.0			
	28440	7900	3.20	80.3	308.8			

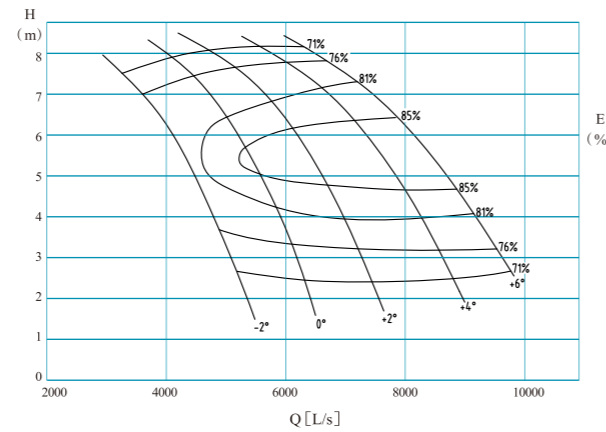
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN1500

1500ZQB-50type submersible axial pump performance curve



1500ZQB-70type submersible axial pump performance curve



1500ZQB-50type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	14961	4156	10.1	295	76.1	543.6	250	1380
	20595	5721	7.9		85.7	519.5		
	24379	6772	4.3		72.0	396.7		
-2°	17403	4834	10.1		80.1	596.8	630	
	21216	5893	8.2		85.7	551.1		
	26637	7399	3.8		68.3	408.7		
0°	19823	5506	9.7		82.5	637.1	670	
	23570	6547	8.2		85.9	613.7		
	28049	7791	4.3		72.0	461.6		
+2°	19642	5456	10.7		80.1	713.7	750	
	24812	6892	8.4		85.7	663.9		
	30138	8372	4.0		67.9	478.2		
+4°	20855	5793	11.0	80.1	782.2	800		
	26085	7246	8.6	85.7	717.6			
	31244	8679	4.8	72.0	567.8			

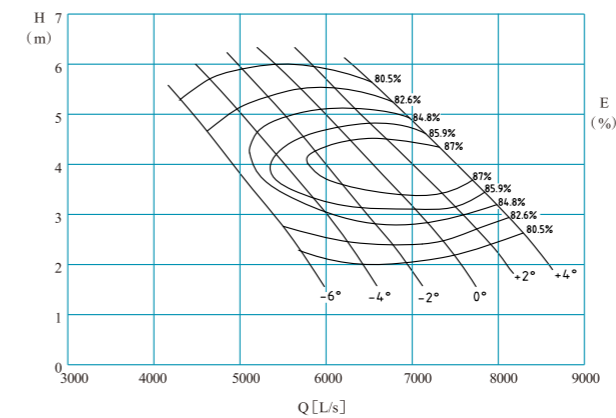
1500ZQB-70type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	13951	3875	6.2	295	76.7	308.6	315	1380
	16889	4691	4.3		85.3	232.1		
	18357	5099	3.1		73.4	210.1		
0°	15563	4323	7.8		76.7	432.6	450	
	19520	5422	5.6		85.3	349.3		
	22233	6176	3.2		79.9	245.5		
+2°	19826	5507	7.5		81.8	494.8	500	
	22743	6317	5.7		84.8	419.4		
	25496	7082	4.1		81.0	349.7		
+2°	23864	6629	7.0		81.5	561.2	560	
	26802	7445	5.7		85.3	486.5		
	29372	8159	4.2		81.0	419.8		
+4°	26802	7445	7.3	80.7	661.5	710		
	29168	8102	6.3	84.2	590.7			
	31411	8725	5.2	81.9	547.1			

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN1500

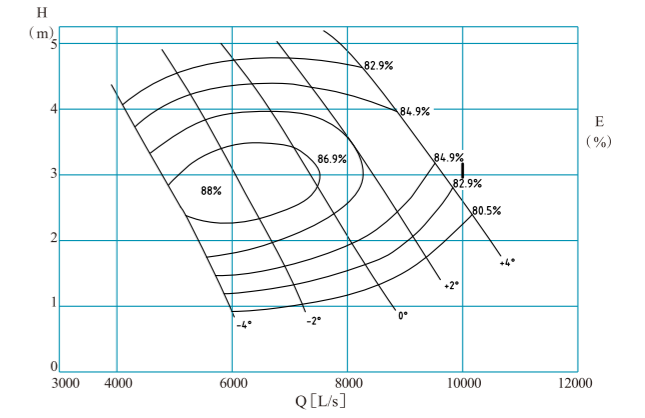
1500ZQB-100type submersible axial pump performance curve



1500ZQB-100type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	16522	4589	4.9	295	82.6	265.5	280	1380
	18357	5099	3.6		84.7	214.8		
	19826	5507	2.9		82.6	188.8		
	17909	4975	5.2		82.6	309.1		
-4°	20560	5711	3.7		86.0	241.0	315	
	22029	6119	2.9		82.6	209.7		
	19459	5405	5.3		83.7	333.2		
-2°	22029	6119	3.8		86.6	262.6	355	
	24232	6731	2.6		83.7	206.4		
	21070	5853	5.4		83.7	371.3		
0°	24232	6731	3.8		86.9	288.5	400	
	26210	7281	2.6		83.7	222.5		
	22253	6181	5.4	82.8	396.2			
	25700	7139	4.0	87.5	319.9			
+2°	27903	7751	2.9	82.6	265.7	450		
	23864	6629	5.8	81.5	460.5			
	27536	7649	4.0	87.2	345.6			
+4°	29372	8159	3.1	82.6	297.1	500		

1500ZQB-125type submersible axial pump performance curve



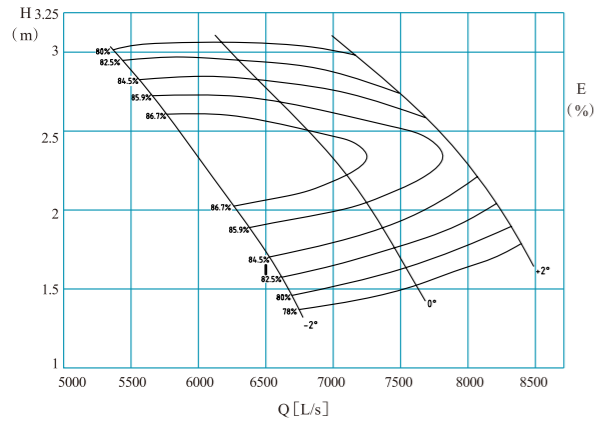
1500ZQB-125type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	16134	4482	3.4	295	85.4	175.5	185	1380
	18276	5077	2.5		87.6	139.5		
	20499	5694	1.3		80.5	87.0		
-2°	18357	5099	4.1		84.2	246.4	280	
	22702	6306	2.6		88.2	179.6		
	25741	7150	1.1		80.6	92.6		
0°	22661	6295	4.5		81.6	342.5	400	
	26598	7388	3.0		86.5	253.2		
	31289	8691	1.1		80.5	116.6		
+2°	23722	6589	5.3		80.2	428.3	500	
	29637	8232	3.4		84.9	326.1		
	33635	9343	1.8		80.9	209.5		
+4°	29372	8159	4.8	80.1	482.3	560		
	33675	9354	3.5	84.9	381.2			
	36347	10096	2.6	80.3	316.0			

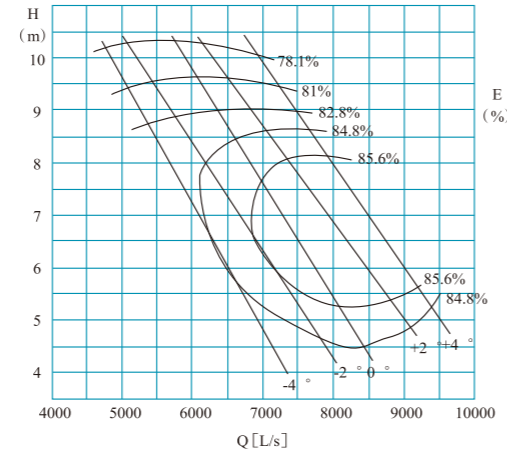
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN1500/DN1600

1500ZQB-160type submersible axial pump performance curve



1600ZQB-70 type submersible axial pump performance curve



1500ZQB-160type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	19030	5286	3.2	295	81.7	201.3	220	1380
	22094	6137	2.2		86.7	151.4		
	24343	6762	1.5		81.7	118.3		
0°	22303	6195	3.0		81.7	226.4	250	
	25663	7128	2.2		86.7	176.6		
	27416	7616	1.5		81.7	139.5		
+2°	25949	7208	2.9		81.7	251.6	280	
	27729	7702	2.6		84.5	230.2		
	30160	8378	1.8		82.6	180.6		

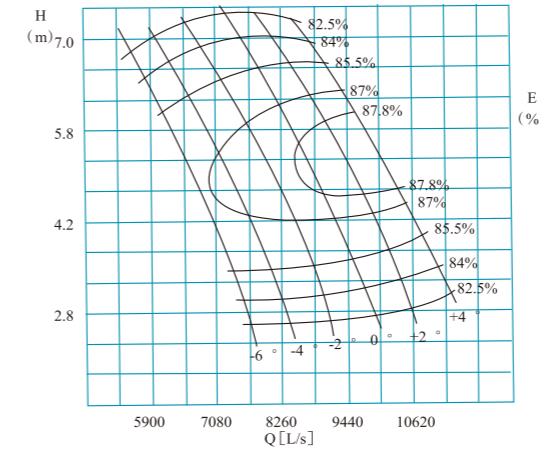
1600ZQB-70 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	18454	5126	9.42	295	81	584.8	600	1540
	22140	6150	7		83.4	506.4		
	25211	7003	4.81		82.8	399.1		
-2°	19847	5513	9.58		81	639.6	670	
	25560	7100	6.3		85.6	512.6		
	28202	7834	4.55		81.8	427.5		
0°	21726	6035	9.75		81	712.6	750	
	27288	7580	6.5		85.6	564.6		
	30467	8463	4.4		81.8	446.6		
+2°	23508	6530	9.67	81	764.8	800		
	29520	8200	6.55	85.6	615.5			
	32731	9092	4.8	84.8	504.9			
+4°	26114	7254	9.42	81	827.6	850		
	31158	8655	6.9	85.6	684.4			
	33775	9382	5.3	84.8	575.2			

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN1600

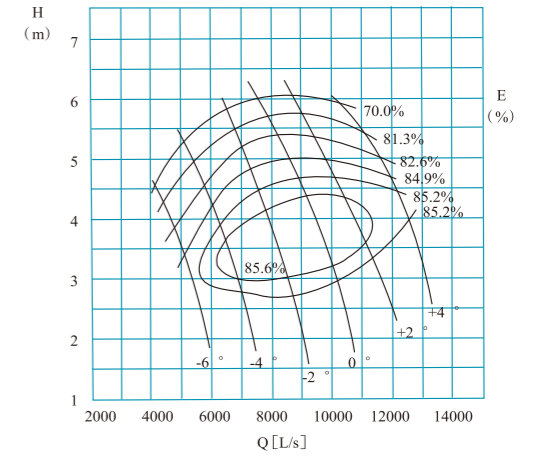
1600ZQB-100 type submersible axial pump performance curve



1600ZQB-100 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	22104	6140	5.6	295	85.5	394.5	425	1540
	24012	6670	4.8		86	365.2		
	26748	7430	3.2		84.8	275.1		
-4°	23796	6610	6		85.5	455.0	475	
	26424	7340	4.7		87	389.0		
	29160	8100	3.2		84.5	300.9		
-2°	26244	7290	6.1		85.6	509.6	530	
	29052	8070	4.9		87	445.9		
	32040	8900	3.2		84.2	331.8		
0°	28224	7840	6.4	85.6	575.0	600		
	31572	8770	5	87.8	489.9			
	34848	9680	3.35	84.2	377.8			
+2°	30168	8380	6.5	85.5	625.0	670		
	33624	9340	5.2	87.8	542.7			
	37152	10320	3.5	84.5	419.3			
+4°	31762	8823	6.5	85.5	658.0	710		
	35892	9970	5.2	87.8	579.3			
	39348	10930	3.5	84.5	444.1			

1600ZQB-125 type submersible axial pump performance curve



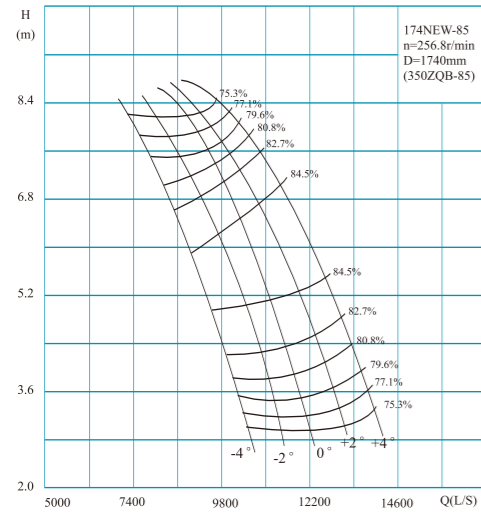
1600ZQB-125 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	17464	4851	3.7	295	82.6	213.2	250	1540
	19145	5318	3		84.6	185.7		
	20308	5641	2.4		81	164		
-4°	19220	5339	5.03		81.3	323.9	355	
	23929	6647	3.35		85.6	255.0		
	26129	7258	2.28		82.6	196.4		
-2°	25351	7042	5.15		82.6	430.5	450	
	29232	8120	3.6		85.6	343.3		
	31950	8875	2.28		82.6	240.2		
0°	30784	8551	5.03	84.3	500.3	530		
	35053	9737	3.6	85.6	401.5			
	38156	10599	2.4	82	304.1			
+2°	34279	9522	5.4	82.6	610.3	630		
	39355	10932	3.6	85.6	450.4			
	42037	11677	2.88	82.6	399.2			
+4°	41004	11390	5.15	82.6	696.2	750		
	44755	12432	4.31	85.2	616.6			
	46307	12863	3.6	82.6	549.6			

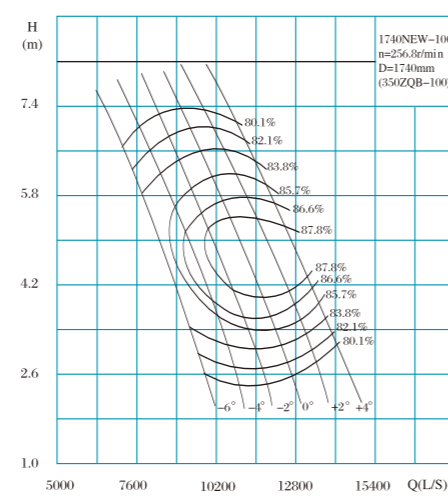
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN1800

Characteristic curve of 1800ZQB-85 Axial flow sub.motor-pump

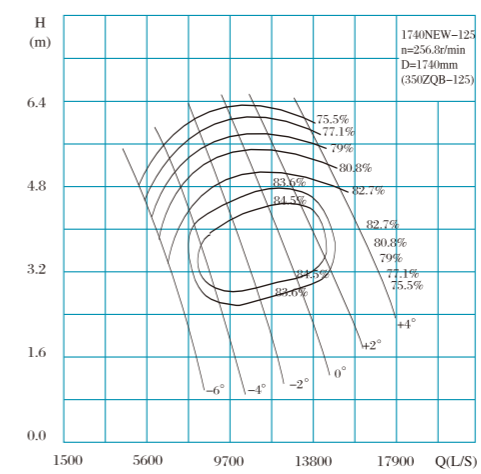


Characteristic curve of 1800ZQB-100 Axial flow sub.motor-pump

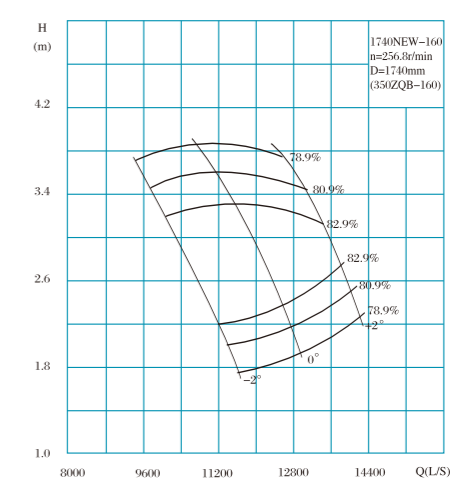


ZQB Series-DN1800

Characteristic curve of 1800ZQB-125 Axial flow sub.motor-pump



Characteristic curve of 1800ZQB-160 Axial flow sub.motor-pump



Characteristic of 2000ZQB-85 Axial flow sub.motor-pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	29658	8238	6.99	256.8	81.93	695.8	800	1740
	33514	9309	5.26		85.34	568.2		
	36667	10185	3.51		79.23	446.6		
-2°	32236	8954	7.16	82.09	774.2	900		
	36279	10078	5.48	85.34	640.5			
	39536	10982	3.75	81.60	500.2			
0°	34489	9580	7.33	81.39	855.0	900		
	38665	10740	5.68	85.34	707.6			
	41927	11646	3.97	81.85	559.6			
+2°	36268	10074	7.47	82.22	906.3	1000		
	41005	11390	5.88	85.34	778.0			
	44746	12429	4.24	82.13	636.2			
+4°	38604	10723	7.67	83.06	981.0	1100		
	43619	12116	6.13	85.34	862.5			
	44746	13184	4.52	82.14	719.8			

Characteristic of 1800ZQB-100 Axial flow sub.motor-pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	28693	7970	5.55	256.8	85.52	512.1	560	1740
	32423	9006	3.95		86.20	409.2		
	35238	9788	2.63		80.31	317.1		
-4°	31853	8848	5.71	86.23	576.7	630		
	35504	9862	4.14	88.05	459.7			
	38356	1054	2.83	83.75	357.2			
-2°	34133	9481	5.86	86.65	634.8	710		
	38104	10584	4.32	88.68	505.8			
	41146	11429	3.04	84.47	406.9			
0°	36729	10203	6.02	86.85	701.0	800		
	40775	11326	4.51	88.68	570.4			
	43803	12168	3.24	85.35	457.6			
+2°	39184	10884	6.19	86.55	771.5	800		
	43571	12103	4.74	88.68	635.9			
	46671	12964	3.47	85.48	521.9			
+4°	41592	11553	6.37	84.36	864.2	900		
	46063	12795	4.92	88.68	703.9			
	49451	13736	3.72	85.62	590.9			

Characteristic of 1800ZQB-125 Axial flow sub.motor-pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	21681	6023	3.93	256.8	81.29	288.1	330	1740
	24982	6939	2.82		83.10	232.9		
	27657	7683	1.79		75.98	179.6		
	27898	7749	4.21		84.24	383.2		
-4°	31840	8844	2.92	85.34	299.7	425		
	33917	9421	2.14	80.82	247.5			
	33939	9428	4.54	84.53	502.0			
-2°	37870	10519	3.30	85.34	403.0	560		
	40789	11330	2.31	83.10	311.9			
	39421	10950	4.91	83.92	634.7			
0°	43781	12161	3.74	85.34	527.7	710		
	47046	13068	2.81	84.04	432.6			
	43849	12180	5.24	82.84	763.8			
	48544	13484	4.14	85.34	647.6			
+2°	52086	14468	3.26	84.26	554.3	900		
	49653	13793	5.74	78.49	998.4			
	54552	15153	4.70	83.93	840.5			
58084	16134	3.86	83.39	739.8	1100			

Characteristic of 1800ZQB-160 Axial flow sub.motor-pump

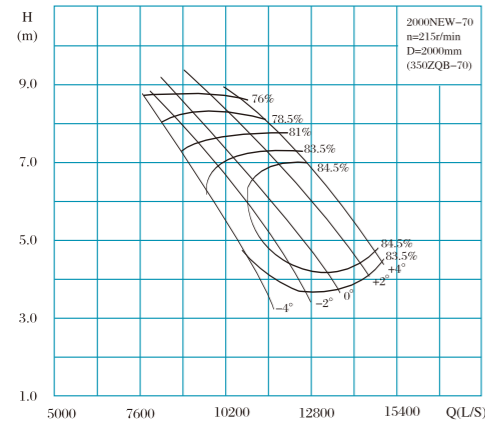
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	36181	10050	3.26	256.8	82.60	392.3	450	1740
	39612	11003	2.39		83.72	311.5		
	41301	11473	1.91		81.71	266.5		
	41218	11449	3.41		82.85	466.6		
0°	44008	12224	2.72	83.72	393.3	500		
	45603	12668	2.25	83.07	339.3			
	46639	12955	3.53	81.04	558.0			
+2°	48555	13488	3.09	83.72	493.6	630		
	50103	13918	2.63	83.20	435.6			

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

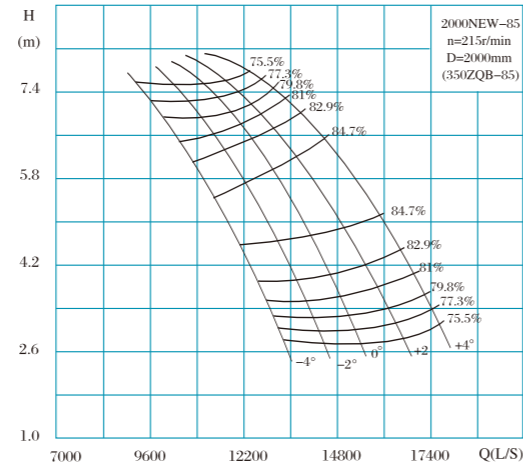
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN2000

Characteristic curve of 2000ZQB-70 Axial flow sub.motor-pump



Characteristic curve of 2000ZQB-85 Axial flow sub.motor-pump



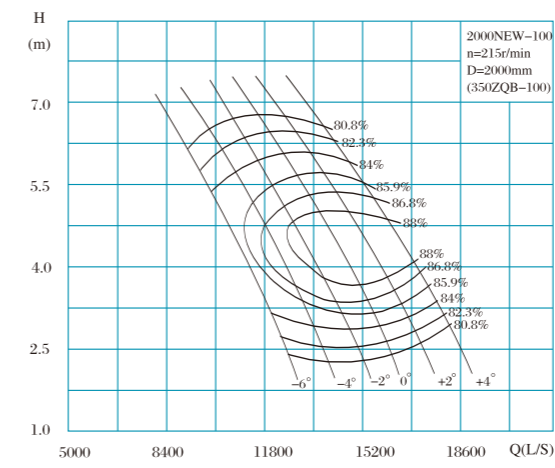
Characteristic of 2000ZQB-70 Axial flow sub.motor-pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	32509	9030	7.02	215	82.59	759.8	800	2000
	37719	10478	4.97		84.64	609.2		
	40739	11316	3.67		82.75	496.9		
-2°	35155	9765	7.11		83.92	819.1	900	
	41409	11503	5.06		85.34	676.2		
	44497	12360	3.89		94.89	562.4		
0°	37330	10369	7.18		84.02	878.2	1000	
	44253	12293	5.14		85.34	734.1		
	47503	13195	4.09		85.31	626.6		
+2°	40872	11353	7.32		84.06	979.2	1100	
	48144	13373	5.26		85.34	817.0		
	51078	14188	4.34		85.20	715.5		
+4°	43637	12121	7.43	83.53	1068.4	1200		
	50855	14126	5.35	85.34	877.5			
	53335	14815	4.50	84.55	781.7			

Characteristic of 2000ZQB-85 Axial flow sub.motor-pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	36347	10096	6.83	215	80.87	845.2	900	1740
	42186	11718	5.02		85.54	681.2		
	46758	12988	3.18		78.87	519.5		
-2°	39781	10096	6.94		80.69	941.5	1000	
	45894	11718	5.15		85.54	760.7		
	50592	12988	3.34		81.22	571.7		
0°	42733	11870	7.84		79.79	1037.3	1100	
	49098	13638	5.28		85.54	833.2		
	53793	14943	3.47		81.96	626.8		
+2°	45055	12515	7.12		81.04	1089.6	1200	
	52299	14528	5.41		85.54	909.0		
	57688	16024	3.65		81.42	710.9		
+4°	48292	13414	7.24	82.30	1169.6	1200		
	55899	15528	5.56	85.54	1000.5			
	61403	17056	3.83	81.40	794.0			

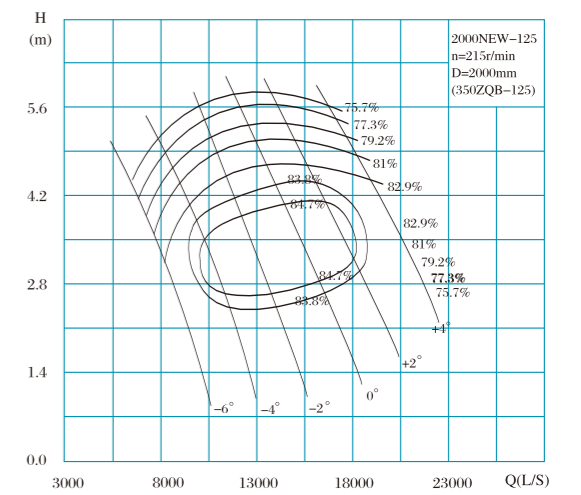
Characteristic curve of 2000ZQB-100 Axial flow sub.motor-pump



Characteristic of 2000ZQB-100 Axial flow sub.motor-pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	34705	9640	5.64	215	83.57	645.1	710	2000
	40293	11193	3.96		86.95	505.6		
	44425	12340	2.57		81.61	384.3		
-4°	38593	10720	5.73		85.21	749.8	800	
	44415	12338	4.07		88.68	560.2		
	48627	13508	2.68		84.16	425.7		
-2°	41959	11655	5.80		85.59	783.0	900	
	47896	13304	4.16		88.88	616.5		
	52385	14551	2.79		84.55	475.0		
0°	45448	12624	5.89		86.05	856.3	1000	
	54546	15152	4.26		88.88	680.1		
	56021	15561	2.90		84.77	527.1		
+2°	18749	13541	5.98	85.39	939.6	1000		
	55247	15346	4.37	88.88	748.2			
	59970	16658	3.03	84.45	592.2			
+4°	52068	14463	6.08	83.85	1038.4	1100		
	58847	16346	4.49	88.88	818.5			
	63894	17748	3.17	84.19	661.9			

Characteristic curve of 2000ZQB-125 Axial flow sub.motor-pump



Characteristic of 2000ZQB-125 Axial flow sub.motor-pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	25061	6961	4.18	215	78.36	367.8	400	2000
	31138	8649	2.78		84.56	281.4		
	35191	9775	1.65		76.14	210.4		
-4°	33401	9278	4.32		82.62	480.5	560	
	35915	9976	2.95		85.54	374.6		
	43601	12111	1.84		79.82	277.3		
-2°	41790	11608	4.50		83.91	616.8	710	
	47727	13258	3.15		85.54	484.0		
	52093	14470	2.08		82.97	358.9		
0°	49343	13706	4.70		83.59	763.1	800	
	55996	15554	3.40		85.54	612.1		
	60941	16928	2.36		83.00	477.5		
+2°	55618	15449	4.89	82.93	901.8	1000		
	62875	17465	3.63	85.54	734.7			
	68297	18971	2.64	82.12	603.3			
+4°	64045	17790	5.17	79.54	1146.5	1000		
	71605	19890	3.97	84.70	923.2			
	76948	21374	3	79.90	794.1			

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

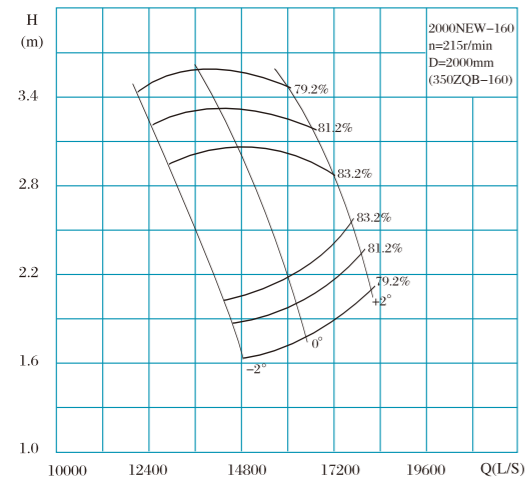
ZQB Series-DN2000

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

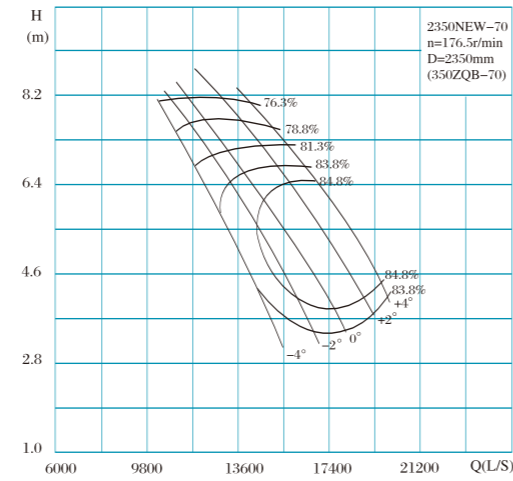
TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN2000/DN2400

Characteristic curve of 2000ZQB-160 Axial flow sub.motor-pump

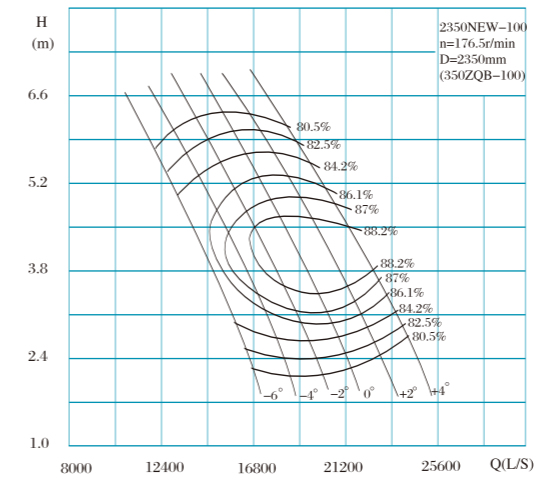


Characteristic curve of 2400ZQB-70 Axial flow sub.motor-pump

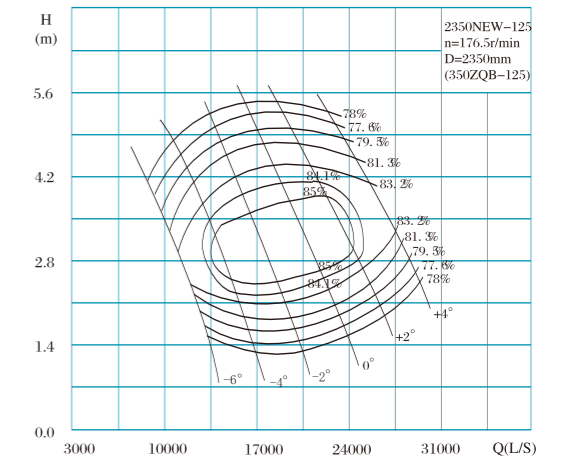


ZQB Series-DN2400

Characteristic curve of 2400ZQB-100 Axial flow sub.motor-pump



Characteristic curve of 2400ZQB-125 Axial flow sub.motor-pump



Characteristic of 2000ZQB-160 Axial flow sub.motor-pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	45189	12553	3.15	215	81.94	478.6	560	2000
	50027	13896	2.28		84.03	373.3		
	52590	14608	1.75		81.86	309.4		
0°	51348	14263	3.32		81.95	571.7	630	
	56219	15616	2.46		84.03	452.4		
	58599	16278	1.93		81.84	380.6		
+2°	58140	16150	3.42		80.47	672.9	710	
	62699	17416	2.67		84.03	547.5		
	64852	18014	2.14		81.48	468.8		

Characteristic of 2400ZQB-70 Axial flow sub.motor-pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	46891	13025	5.57	176.5	84.80	847.3	900	2350
	50232	13953	4.62		84.95	752.2		
	54009	15003	3.49		83.24	623.0		
	52083	14468	5.45		85.64	912.8		
-2°	55877	15521	4.52		85.64	812.1		
59376	16493	3.59	85.05		689.9			
0°	55549	15430	5.52		85.64	984.8	1100	
	59790	16608	4.60		85.64	883.6		
	63783	17718	3.68		85.32	757.5		
+2°	60672	16853	5.62		85.64	1095.1	1200	
	64996	18054	4.71		85.64	983.3		
	69046	19179	3.80		84.67	852.5		
	64427	17896	5.70	85.64	1179.2	1300		
68542	19039	4.79	85.64	1054.4				
72293	20081	3.88	83.08	928.2				

Characteristic of 2400ZQB-100 Axial flow sub.motor-pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	49395	13721	4.57	176.5	86.60	720.6	800	2350
	54703	15195	3.45		86.70	599.6		
	58624	16284	2.52		82.86	490.9		
	54941	15261	4.66		87.40	805.7		
-4°	60215	16726	3.55		88.39	665.5		
64204	17834	2.63	84.91		546.3			
-2°	59416	16504	4.74		88.12	878.7	1000	
	64895	18026	3.64		89.08	729.5		
	69161	19211	2.73		85.50	606.6		
0°	64218	17838	4.83		88.46	964.0	1100	
	69777	19383	3.74		89.08	805.8		
	74014	20559	2.83		86.02	670.3		
	68837	19121	4.92	88.36	1054.5	1300		
74737	20760	3.85	89.08	888.3				
79219	22005	2.95	85.42	753.4				
+4°	73413	20393	5.02	87.04	1164.6	1300		
	79615	22115	3.96	89.08	974.4			
	84407	23446	3.08	85.12	840.7			

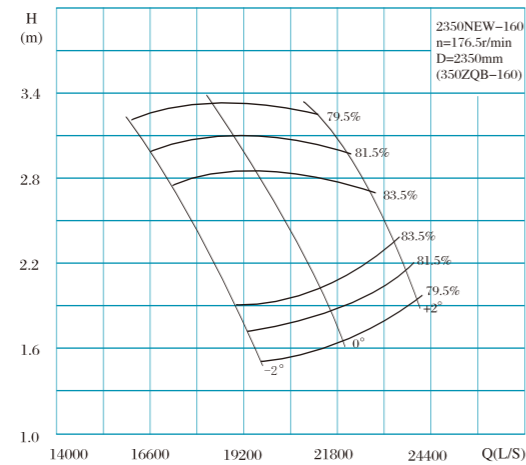
Characteristic of 2400ZQB-125 Axial flow sub.motor-pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-6°	32884	9134	3.96	176.5	78.18	458.3	500	2000
	41099	11416	2.65		85.07	352.4		
	46006	12779	1.71		77.49	280.0		
	43979	12216	4.09		82.47	599.8		
-4°	52252	14514	2.81		85.85	469.9		
57202	15889	1.89	81.84		362.7			
-2°	55236	15343	4.25		84.05	769.7	800	
	63210	17558	2.99		85.85	606.5		
	68452	19014	2.10		84.04	469.7		
0°	65223	18118	4.43		83.57	951.7	1000	
	74169	20603	3.22		85.85	764.7		
	80112	22253	2.35		84.16	616.3		
+2°	73553	20431	4.60	82.89	1124	1200		
	83323	23145	3.43	85.85	916.3			
	89847	24958	2.60	83.58	768.5			

TECHNICAL PARAMETERS OF ZQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

ZQB Series-DN2400

Characteristic curve of 2400ZQB-160 Axial flow sub.motor-pump



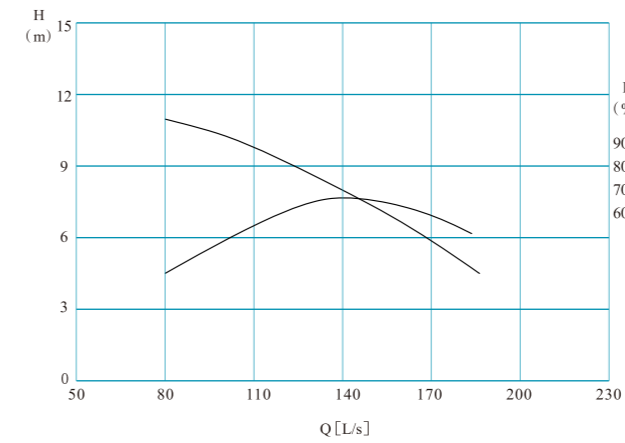
Characteristic of 2400ZQB-160 Axial flow sub.motor-pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	61752	17153	2.75	176.5	83.92	556.9	630	2350
	65849	18291	2.23		84.33	478.2		
	69561	19323	1.70		82.86	392.3		
0°	70055	19460	2.91	83.68	669.9	710		
	74154	20598	2.39	84.33	579.2			
	77610	21558	1.87	82.91	481.5			
+2°	78445	21790	3.09	81.46	818.3	900		
	82729	22980	2.59	84.33	698.5			
	85951	23875	2.07	82.30	593.8			

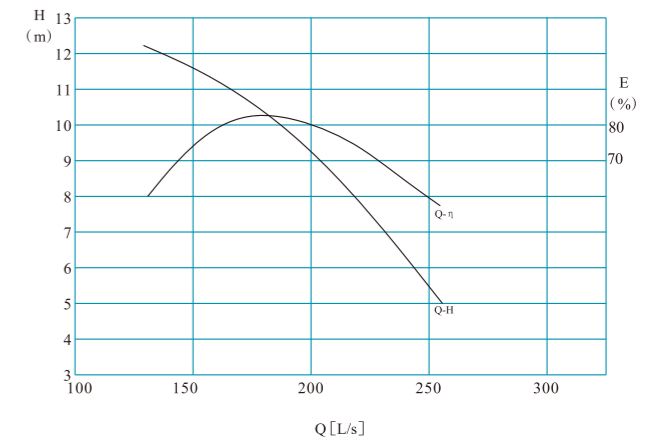
TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN250/DN350

250HQB-40 type submersible axial pump performance curve



350HQB-40 type submersible axial pump performance curve



250HQB-40 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
0°	415	115	9.17	1450	76.0	13.6	15	250
	502	139	7.81		82.4	13.0		
	628	174	5.00		72.0	11.9		

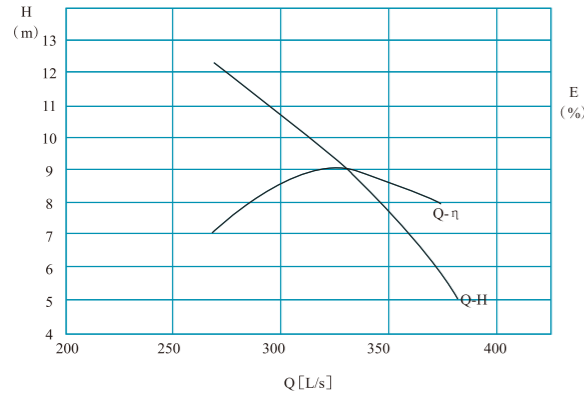
350HQB-40 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
0°	734	204	11.00	1450	73.0	30.1	37	300
	920	256	8.87		83.4	26.7		
	1060	294	6.50		75.0	25.0		

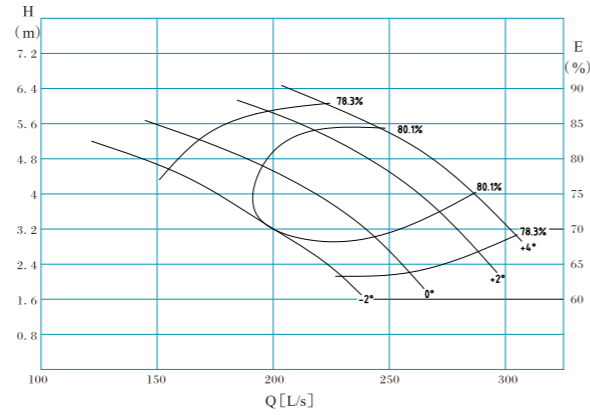
TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN350

350HQB-50 type submersible mixed-flow pump performance curve



350HQB-50D type submersible mixed-flow pump performance curve



350HQB-50 type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	1061	293	11.21	1450	80.0	40.0	45	332
	1110	308	10.20		81.0	38.1		
	1143	317.6	9.75		82.0	37.3		

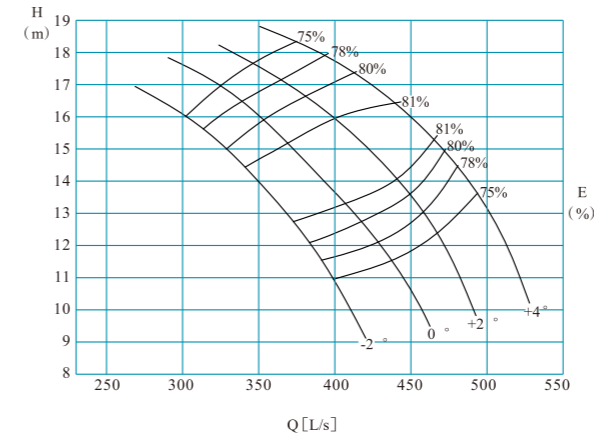
350HQB-50D type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	565.2	157	4.65	980	78.4	9.1	11	300
	720	200	3.2		80	7.8		
	810	225	1.95		78.9	5.5		
0°	612	170	5.2	980	78.5	11.0	15	300
	792	220	4		82.3	10.5		
	1278	355	2.4		79	10.6		
+2°	784.8	218	5.6	980	79.6	15.0	15	300
	900	250	4.4		82.5	13.1		
	1026	285	2.4		76.8	8.7		
+4°	810	225	6	980	79.2	16.7	18.5	300
	972	270	4.8		81.8	15.5		
	1080	300	3.2		78	12.1		

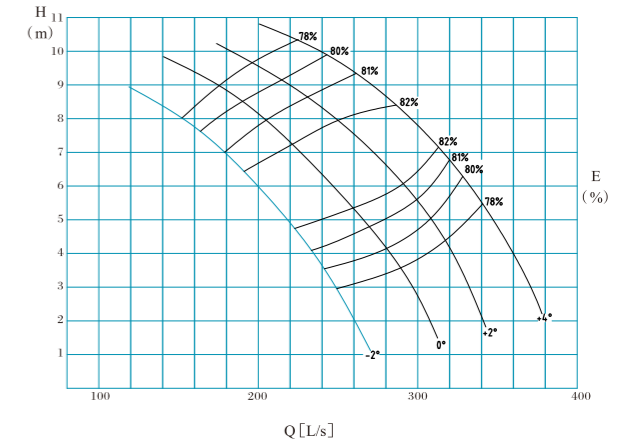
TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN500

500HQB-40 type submersible axial pump performance curve



500HQB-40D type submersible mixed-flow pump performance curve



500HQB-40 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	1100	306	15.1	1450	76.4	59.2	75	355
	1260	350	13.0		81.8	54.6		
	1431	398	10.0		75.2	51.9		
0°	1220	339	15.5	1450	77.3	66.7	90	355
	1390	386	13.3		82.5	61.1		
	1605	446	10.0		75.7	57.8		
+2°	1338	372	16.0	1450	78.9	73.9	90	355
	1508	419	14.2		82.5	70.7		
	1703	473	10.5		76.0	64.1		
+4°	1576	438	16.5	1450	78.5	90.3	110	355
	1627	452	15.0		81.5	81.6		
	1862	517	10.8		74.6	73.5		

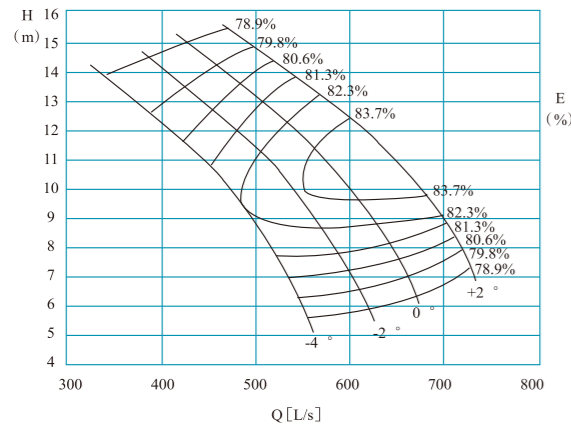
500HQB-40D type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	540	150	8	730	78	15.1	18.5	450
	756	210	5.5		83.5	13.6		
	892.8	248	2.98		78	9.3		
0°	640.8	178	9	730	78.2	20.1	22	450
	878.4	244	6		83.1	17.3		
	1404	390	3.5		79	17.0		
+2°	702	195	9.2	730	78.5	22.4	22	450
	954	265	7		83.1	21.9		
	1152	320	4.3		82.5	16.4		
+4°	806.4	224	10	730	78.1	28.1	30	450
	1069.2	297	8		82.8	28.2		
	1224	340	5.5		78	23.5		

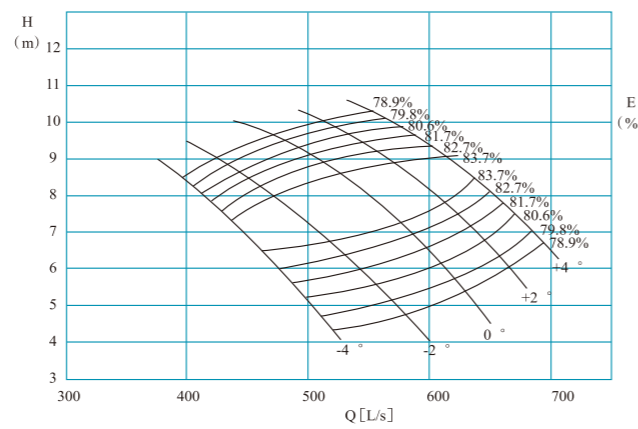
TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN500

500HQB-50 type submersible mixed-flow pump performance curve



500HQB-50A type submersible mixed-flow pump performance curve



500HQB-50 type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	1620	450	10.80	980	81.4	58.6	65	424.5
	1775	493	9.20		82.3	54.1		
	1861	517	8.00		81.4	49.8		
-2°	1757	488	11.70		81.4	68.8	75	
	1948	541	10.00		83.7	63.4		
	2102	584	8.00		81.4	56.3		
0°	1872	520	12.60		81.4	79.0	90	
	2157	599	10.00		84	70.0		
	2318	644	8.00		81.4	62.1		
+2°	2016	560	13.40	81.4	90.4	110		
	2340	650	11.00	84.0	83.5			
	2567	713	8.20	81.4	70.5			

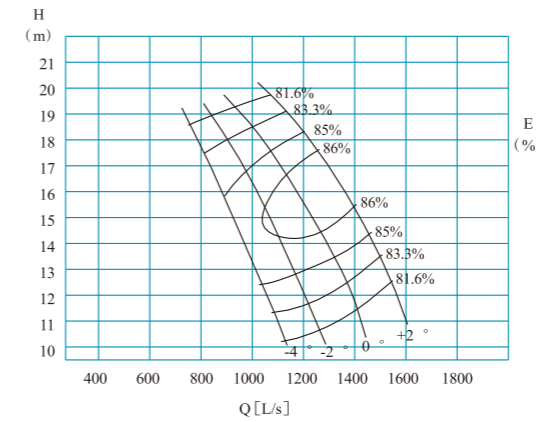
500HQB-50A type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	1494	415	8.00	980	80.6	40.4	55	424.5
	1620	450	6.80		83.7	35.9		
	1800	500	5.20		80.6	31.6		
-2°	1620	450	8.50		81.7	45.9	75	
	1800	500	7.30		83.7	42.8		
	1958	544	6.00		81.7	39.2		
0°	1728	480	9.50		79.8	56.1	90	
	1980	550	8.00		83.7	51.6		
	2196	610	6.00		80.6	44.5		
+2°	1958	544	9.50	81.7	62.0	110		
	2160	600	8.20	83.7	57.7			
	2318	644	6.80	80.6	53.3			
+4°	2052	570	10.00	80.0	69.9	132		
	2268	630	8.70	83.7	64.2			
	2466	685	7.00	79.8	58.9			

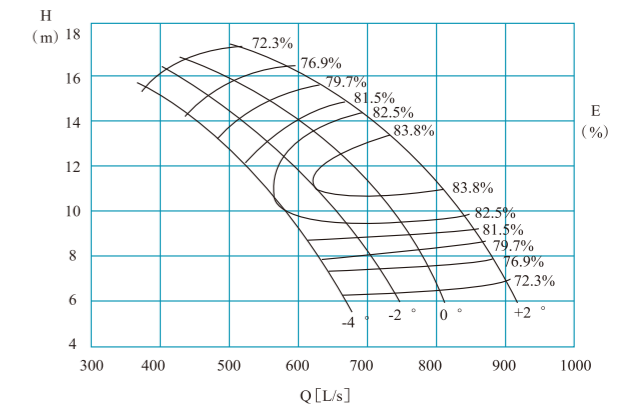
TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN600

600HQB-40 type submersible axial pump performance curve



600HQB-50 type submersible mixed-flow pump performance curve



600HQB-40 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	2729	758	18.70	980	80.9	171.9	200	555
	3276	910	15.20		85.0	159.6		
	3960	1100	11.00		82.9	143.2		
-2°	2956	821	19.00		81.3	188.2	220	
	3780	1050	15.00		86.1	179.5		
	4356	1210	11.80		83.3	168.1		
0°	3600	1000	18.50		81.6	222.4	250	
	4320	1200	15.70		86.0	214.9		
	4982	1384	12.00		82.5	197.5		
+2°	4100	1139	19.00	83.6	253.9	280		
	4756	1321	16.50	86.0	248.6			
	5465	1518	13.00	82.0	236.1			

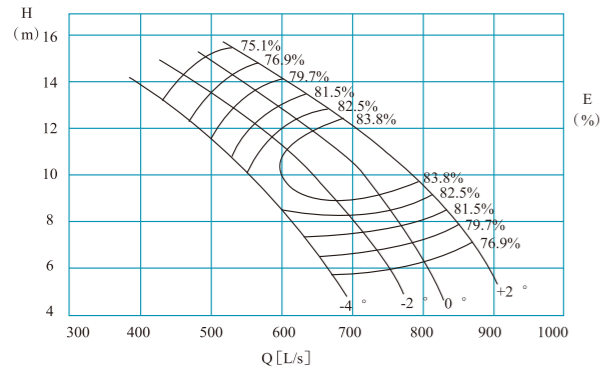
600HQB-50 type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	1602	445	14.30	980	77.0	81.1	90	471
	2088	580	10.20		82.5	70.3		
	2304	640	7.42		77.0	60.5		
-2°	1710	475	15.20		77.0	92.0	110	
	2322	645	11.00		83.0	83.9		
	2574	715	7.50		77.0	68.3		
0°	1847	513	15.90		77.0	103.9	132	
	2459	683	12.00		83.9	95.8		
	2844	790	7.65		77.0	77.0		
+2°	2052	570	16.80	77.0	122.0	132		
	2808	780	12.00	83.9	109.4			
	3186	885	7.90	77.0	89.1			

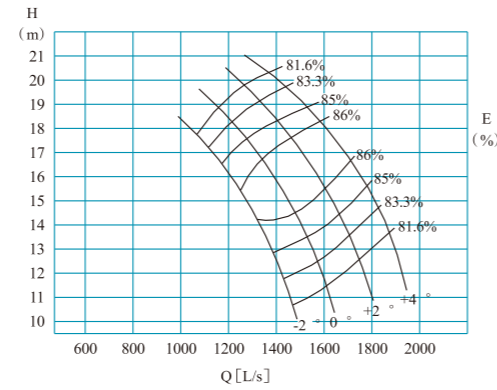
TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN600/DN700

600HQB-50A type submersible mixed-flow pump performance curve



700HQB-40 type submersible axial pump performance curve



600HQB-50A type submersible mixed-flow pump performance data

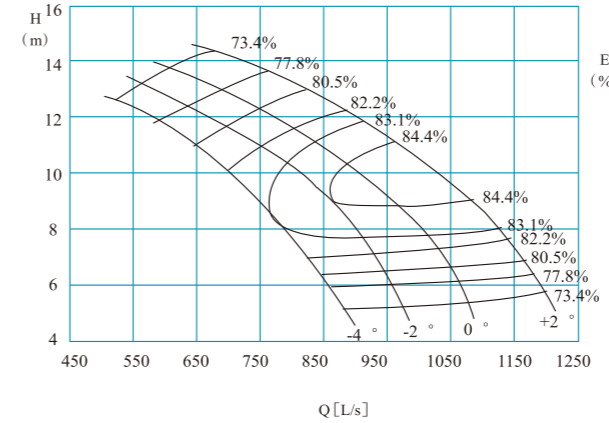
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	1602	445	12.90	980	77.0	73.1	75	471
	2106	585	9.00		82.5	62.6		
	2412	670	5.80		77.0	49.5		
-2°	1782	495	13.65		77.0	86.1	90	
	2322	645	10.00		83.9	75.4		
	2718	755	5.90		77.0	56.8		
0°	1926	535	14.20		77.0	96.8	110	
	2520	700	10.50		83.9	85.9		
	2952	820	6.25		77.0	65.3		
+2°	2070	575	14.70		77.0	107.7	110	
	2700	750	11.00		83.9	96.5		
	3118	866	6.70		77.0	73.9		

700HQB-40 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	3920	1089	17.60	730	81.9	229.6	250	700
	4608	1280	15.02		86.0	219.3		
	5224	1451	11.00		82.9	188.9		
0°	4295	1193	18.70		82.4	265.6	280	
	5026	1396	16.00		86.1	254.5		
	5702	1584	12.00		82.4	226.3		
+2°	4770	1325	19.00		83.3	296.5	315	
	5411	1503	17.00		86.0	291.5		
	6221	1728	12.80		82.5	263.0		
+4°	5465	1518	19.00		83.6	338.4	355	
	5940	1650	17.50		86.0	329.4		
	6818	1894	13.00		82.0	294.6		

HQB Series-DN700

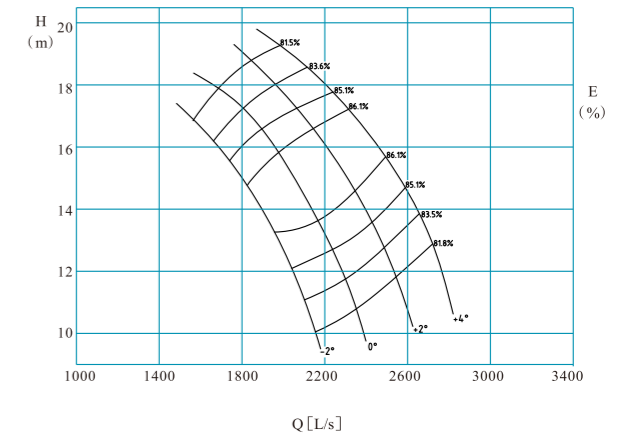
700HQB-50 type submersible mixed-flow pump performance curve



700HQB-50 type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-4°	2340	650	11.00	730	80.0	87.8	90	571.5
	2844	790	8.00		83.0	74.7		
	3024	840	6.60		80.5	67.6		
-2°	2736	760	10.80		82.3	97.8	110	
	3114	865	9.00		84.5	90.4		
	3395	943	6.50		80.0	75.2		
0°	2645	735	12.20		80.5	109.25	132	
	3240	900	10.00		84.5	104.5		
	3701	1028	7.00		81.0	87.2		
+2°	2870	825	13.00		80.2	131.2	132	
	3492	970	11.00		84.5	123.9		
	4122	1145	7.60		82.0	104.1		

800HQB-40 type submersible axial pump performance curve



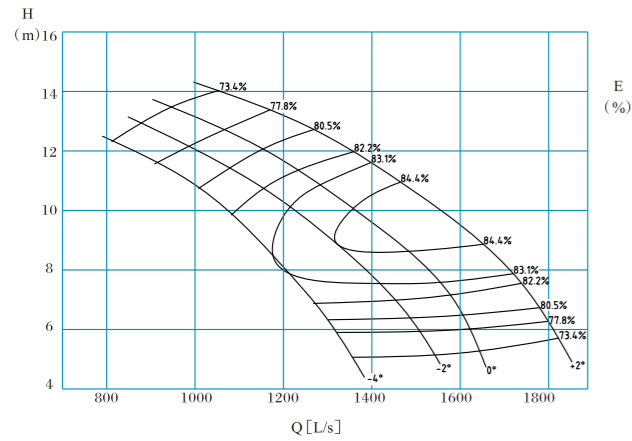
800HQB-40 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m³/h	L/s				Shaft power	Motor power	
-2°	5639	1566	17.1	590	82.0	319.6	355	750
	6629	1841	14.6		86.1	305.3		
	7515	2087	10.7		83.0	263.0		
0°	6178	1716	18.1		82.5	369.8	400	
	7230	2008	15.5		86.2	354.4		
	8202	2278	11.6		82.5	315.1		
+2°	6862	1906	18.4		83.4	412.8	450	
	7784	2162	16.5		86.1	405.8		
	8949	2486	12.4		82.6	366.2		
+4°	7861	2184	18.4		83.7	471.2	500	
	8545	2374	17.0		86.1	458.6		
	9808	2724	12.6		82.1	410.1		

TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN800/DN900

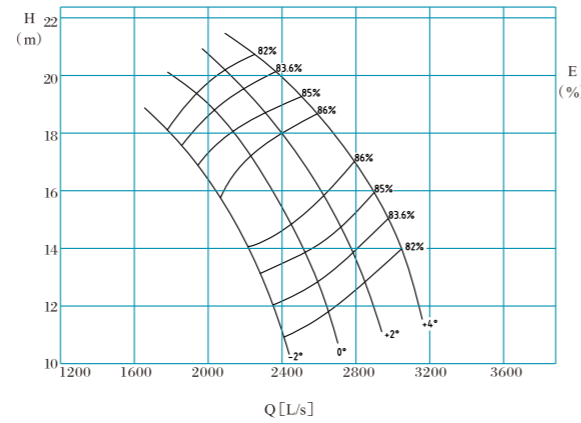
800HQB-50type submersible axial pump performance curve



800HQB-50type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	3580	994	11.1	590	79.2	136.7	160	700
	4351	1208	8.1		82.2	116.5		
	4626	1285	6.7		79.7	105.4		
-2°	4185	1163	10.9		81.5	152.6	185	
	4764	1323	9.1		83.7	141.0		
	5193	1443	6.6		79.2	117.2		
0°	4046	1124	12.3		79.7	170.4	185	
	4956	1377	10.1		83.7	163.0		
	5661	1573	7.1		80.2	135.9		
+2°	4543	1262	13.1		79.4	204.6	220	
	5342	1484	11.1		83.7	193.2		
	6306	1752	7.7		81.2	162.4		

900HQB-40 type submersible mixed-flow pump performance curve



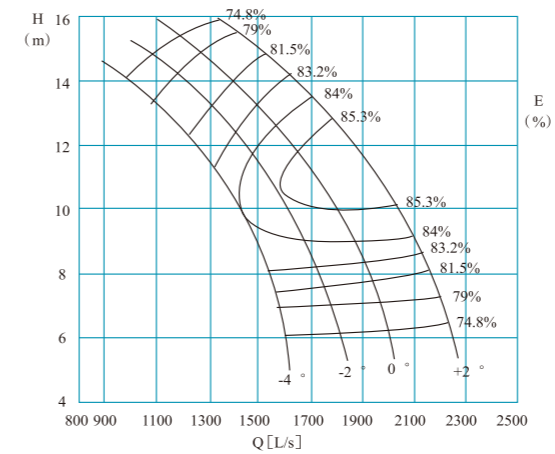
900HQB-40 type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	6343	1762	18.4	590	82.1	388.5	400	780
	7456	2071	15.7		86.2	371.1		
	8453	2348	11.5		83.1	319.7		
0°	6950	1931	19.6		82.6	449.5	500	
	8133	2259	16.8		86.3	430.7		
	9227	2563	12.6		82.6	382.9		
+2°	7718	2144	19.9		83.5	501.7	560	
	8756	2432	17.8		86.2	493.2		
	10066	2796	13.4		82.7	445.1		
+4°	8843	2456	19.9		83.8	572.8	630	
	9612	2670	18.3		86.2	557.4		
	11032	3065	13.6		82.2	498.4		

TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN900

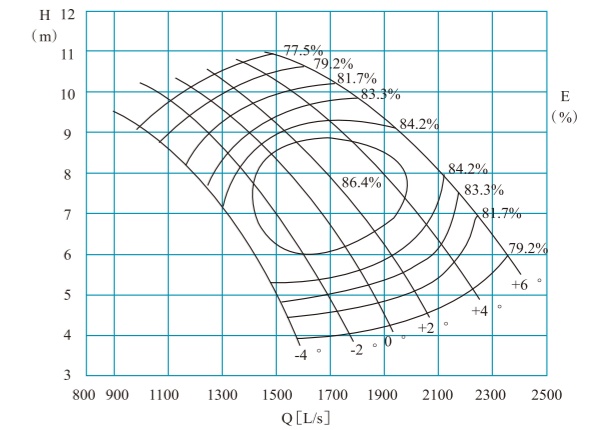
900HQB-50 type submersible mixed-flow pump performance curve



900HQB-50 type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	4068	1130	13.10	590	80.0	181.5	220	755.5
	5303	1473	9.20		84.2	157.9		
	5724	1590	6.80		80.0	132.6		
-2°	4828	1341	13.00		82.0	208.6	250	
	5688	1580	10.50		84.8	191.9		
	6336	1760	7.40		81.0	157.7		
0°	5220	1450	13.70		82.7	235.6	280	
	6495	1804	10.00		85.0	208.2		
	6948	1930	7.93		80.5	186.5		
+2°	5447	1513	15.00		80.7	275.9	300	
	6732	1870	12.00		85.5	257.5		
	7632	2120	9.00		81.0	231.1		

900HQB-50D type submersible mixed-flow pump performance curve



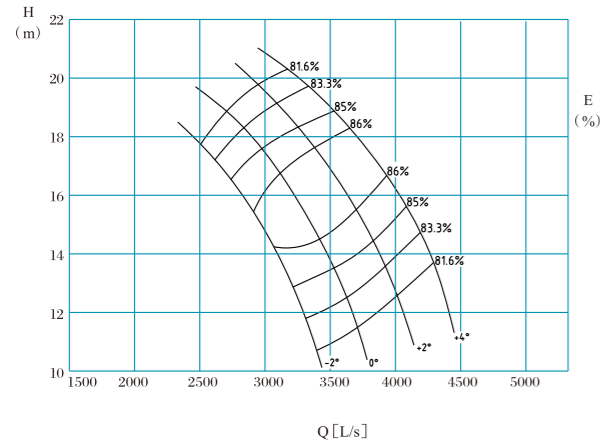
900HQB-50D type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	3790	1053	8.80	490	79.2	114.8	132	755.5
	5097	1416	6.00		84.2	99.0		
	5587	1552	4.30		81.7	80.1		
-2°	4500	1250	9.00		81.7	135.1	160	
	5400	1500	7.00		85.4	120.6		
	6300	1750	4.20		80.4	89.7		
0°	4500	1250	9.80		79.2	151.7	160	
	6016	1671	7.00		85.4	134.4		
	6687	1858	5.00		82.5	110.4		
+2°	4831	1342	10.10		79.4	167.5	185	
	6300	1750	7.50		85.4	150.8		
	7200	2000	5.10		81.7	122.5		
+4°	5587	1552	10.00	81.7	186.3	200		
	6861	1906	8.00	84.2	177.6			
	7756	2154	5.80	81.7	150.0			
+6°	6393	1776	10.00	84.0	207.4	220		
	7200	2000	8.80	84.2	205.4			
	8100	2250	6.90	81.7	186.4			

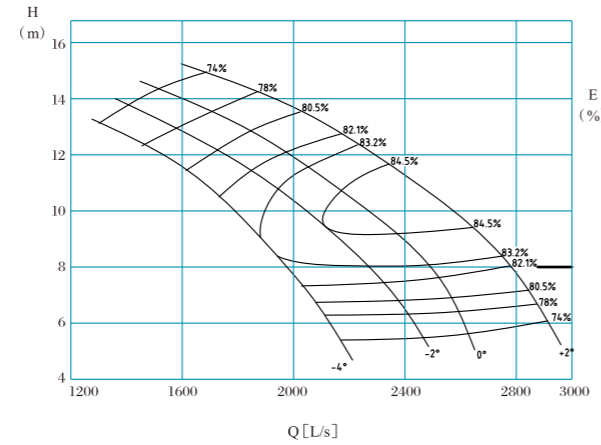
TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN1000

1000HQB-40type submersible axial pump performance curve



1000HQB-50type submersible axial pump performance curve



1000HQB-40type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	8929	2480	18.1	490	82.2	535.1	560	930
	10496	2916	15.4		86.3	511.2		
	11899	3305	11.3		83.2	440.3		
0°	9783	2718	19.2		82.7	619.2	630	
	11448	3180	16.4		86.4	593.3		
	12988	3608	12.3		82.7	527.5		
+2°	10865	3018	19.5		83.6	691.1	710	
	12325	3424	17.5		86.3	679.5		
	14170	3936	13.2		82.8	613.1		
+4°	12448	3458	19.5		83.9	789.0	800	
	13530	3758	18.0		86.3	767.8		
	15530	4314	13.4		82.3	686.6		

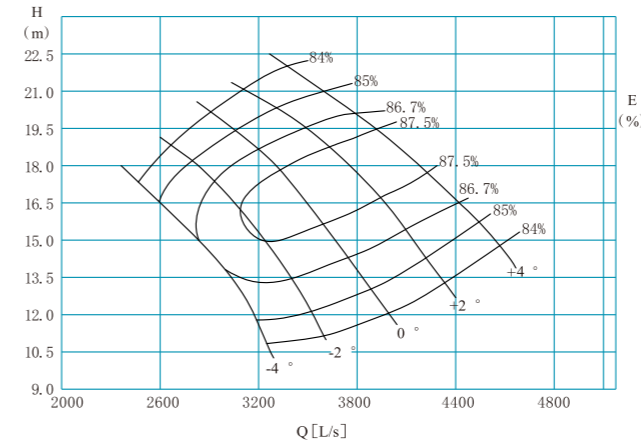
1000HQB-50type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	5707	1585	11.8	490	79.2	232.3	250	870
	6937	1927	8.6		82.2	197.9		
	7376	2049	7.1		79.7	179.0		
-2°	6673	1854	11.6		81.5	259.2	280	
	7595	2110	9.7		83.7	239.5		
	8281	2300	7.0		79.2	199.2		
0°	6451	1792	13.1		79.7	289.4	315	
	7903	2195	10.8		83.7	276.8		
	9027	2507	7.5		80.2	230.9		
+2°	7244	2012	14.0		79.4	347.6	400	
	8517	2366	11.8		83.7	328.2		
	10054	2793	8.2		81.2	275.8		

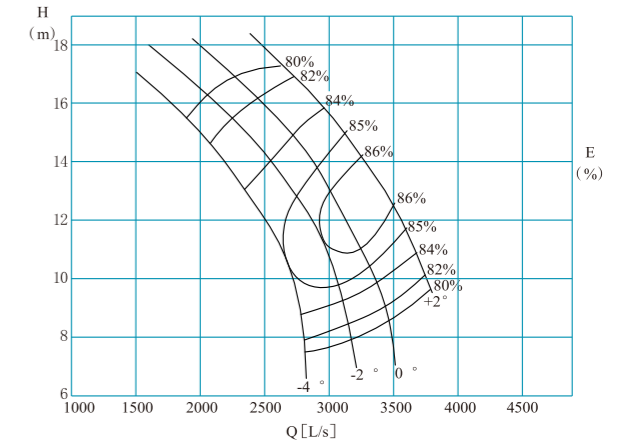
TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN1200

1200HQB-40 type submersible mixed-flow pump performance curve



1200HQB-50 type submersible mixed-flow pump performance curve



1200HQB-40 type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	9061	2517	17.16	490	84.53	501.3	560	969.5
	10256	2849	14.84		87.24	475.4		
	11290	3136	12.02		85.14	434.4		
-2°	9918	2755	18.39		84.59	585.4	630	
	11473	3187	15.55		87.5	555.7		
	12780	3550	12.31		85.05	504		
0°	10476	2910	19.54		84.46	660.3	710	
	12208	3391	17.09		87.5	649.7		
	14245	3957	12.62		84.56	579.4		
2°	12125	3368	20.06		85.73	773.1	800	
	13691	3803	17.63		87.5	751.6		
	15278	4244	14.27		85	698.9		
4°	13399	3722	20.52	85.85	872.6	900		
	14969	4158	18.14	87.5	845.5			
	16592	4609	14.86	84.09	799			

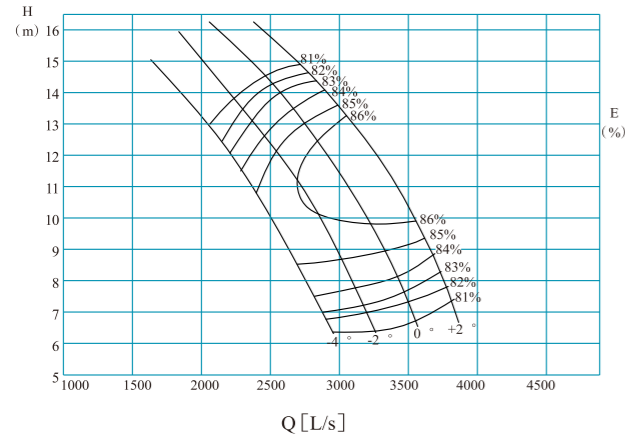
1200HQB-50 type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	7236	2010	15.00	490	81.0	365.2	400	978.6
	8701	2417	12.00		84.5	336.7		
	9918	2755	9.20		84.2	295.3		
-2°	8305	2307	15.20		81.8	420.5	450	
	10440	2900	11.30		86.2	372.9		
	11318	3144	8.40		82.2	315.2		
0°	9720	2700	15.00		83.7	474.7	500	
	11326	3146	12.00		86.4	428.7		
	12420	3450	9.00		81.5	373.7		
+2°	10780	2994	15.70		85.0	542.6	560	
	11912	3309	14.20		87.2	528.6		
	12874	3576	12.20		86.9	492.5		

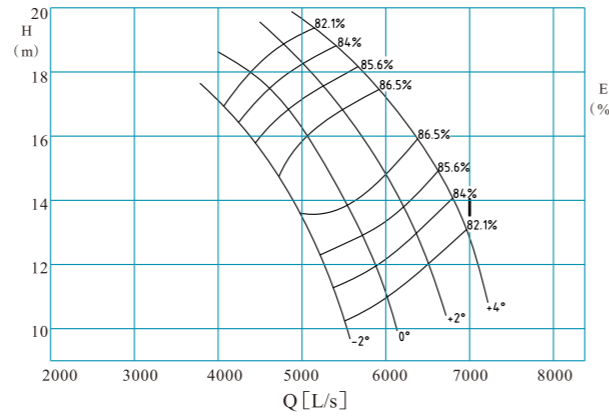
TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN1200/DN1300

1200HQB-50A type submersible mixed-flow pump performance curve



1300HQB-40type submersible axial pump performance curve



1200HQB-50A type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm			
	m ³ /h	L/s				Shaft power	Motor power				
-4°	6976	1938	13.40	480	79.8	298.3	315	978.6			
	9014	2504	9.80		85.4	290.0					
	10421	2895	6.90		83.0	236.1					
-2°	8106	2252	13.8		81.0	355.3	400		978.6		
	10446	2902	9.8		85.8	339.4					
	11668	3241	6.9		82.2	266.9					
0°	9891	2749	13		85.2	407.4	425			978.6	
	11668	3241	9.8		86.0	384.7					
	12826	3563	6.9		81.0	297.7					
+2°	10557	2933	13.5		85.2	455.8	475				978.6
	12737	3538	9.8		86.0	395.5					
	14020	3894	6.9		81.0	325.4					

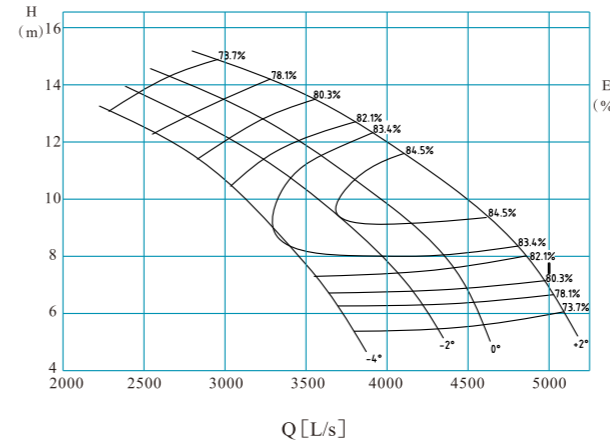
1300HQB-40type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm			
	m ³ /h	L/s				Shaft power	Motor power				
-2°	14485	4023	17.2	370	82.3	823.3	900	1200			
	17027	4730	14.7		86.4	786.5					
	19303	5362	10.7		83.3	677.4					
0°	15870	4408	18.2		82.8	952.6	1000		1200		
	18571	5159	15.6		86.5	912.8					
	21069	5853	11.7		82.8	811.5					
+2°	17625	4896	18.5		83.7	1063.3	1120			1200	
	19994	5554	16.6		86.4	1045.3					
	22987	6385	12.5		82.9	943.3					
+4°	20193	5609	18.5		84.0	1213.8	1250				1200
	21949	6097	17.1		86.4	1181.3					
	25193	6998	12.7		82.4	1056.3					

TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN1300/DN1400

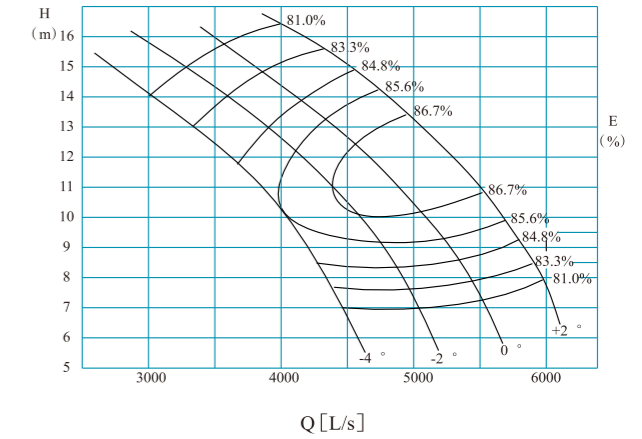
1300HQB-50type submersible axial pump performance curve



1300HQB-50type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm			
	m ³ /h	L/s				Shaft power	Motor power				
-4°	9954	2765	11.8	370	79.2	403.6	450	1150			
	12097	3360	8.6		82.2	343.9					
	12863	3573	7.1		79.7	311.0					
-2°	11638	3233	11.6		81.5	450.4	500		1150		
	13246	3679	9.6		83.7	416.1					
	14441	4011	7.0		79.2	346.0					
0°	11251	3125	13.1		79.7	502.9	560			1150	
	13782	3828	10.7		83.7	481.0					
	15743	4373	7.5		80.2	401.2					
+2°	12633	3509	13.9		79.4	603.9	630				1150
	14854	4126	11.8		83.7	570.2					
	17534	4870	8.1		81.2	479.2					

1400HQB-50 type submersible mixed-flow pump performance curve



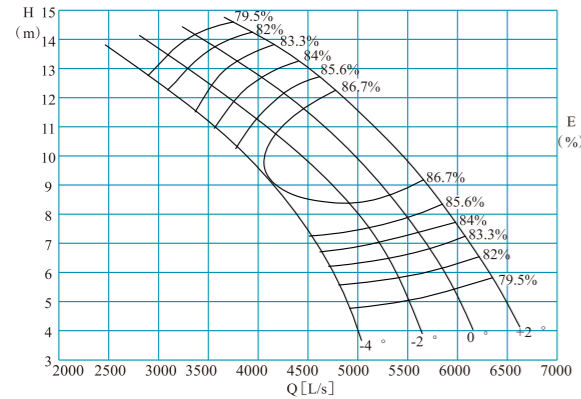
1400HQB-50 type submersible mixed-flow pump pe

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm			
	m ³ /h	L/s				Shaft power	Motor power				
-4°	10980	3050	14.00	370	81.0	517.1	560	1247			
	14400	4000	10.00		85.6	458.4					
	15840	4400	7.20		81.0	383.7					
-2°	12060	3350	14.80		81.0	600.5	630		1247		
	16200	4500	10.80		86.7	549.9					
	17820	4950	7.30		81.0	437.6					
0°	12960	3600	15.40		81.0	671.4	710			1247	
	17280	4800	11.50		86.7	624.6					
	19620	5450	7.40		81.0	488.4					
+2°	14220	3950	16.30		81.0	779.8	850				1247
	19080	5300	12.00		86.7	719.6					
	21600	6000	7.70		81.0	559.5					

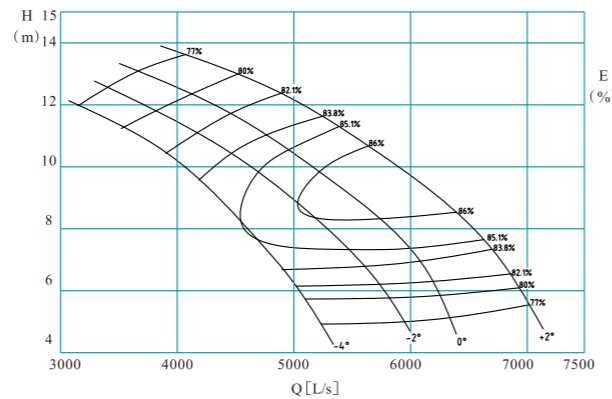
TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN1400/DN1500

1400HQB-50A type submersible mixed-flow pump performance curve



1500HQB-50 type submersible axial pump performance curve



1400HQB-50A type submersible mixed-flow pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm			
	m³/h	L/s				Shaft power	Motor power				
-4°	11660	3239	12.50	365	81.0	490.3	530	1247			
	14400	4000	9.00		85.6	412.6					
	16560	4600	3.50		81.0	195.0					
-2°	12240	3400	13.25		81.0	545.6	600		1247		
	16200	4500	9.50		86.7	483.7					
	18720	5200	5.80		81.0	365.3					
0°	13320	3700	13.80		81.0	618.4	670			1247	
	17460	4850	10.00		86.7	548.8					
	20520	5700	6.05		81.0	417.7					
+2°	14400	4000	14.30		81.0	692.8	750				1247
	18360	5100	11.00		86.7	634.8					
	21960	6100	6.40		81.0	472.8					

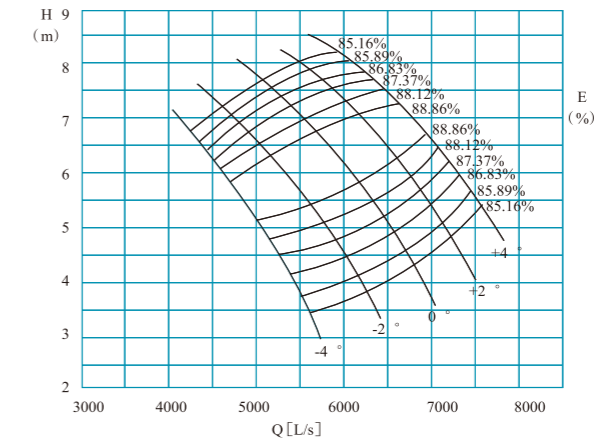
1500HQB-50 type submersible axial pump performance data

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm			
	m³/h	L/s				Shaft power	Motor power				
-4°	13713	3809	10.8	295	81.6	494.1	560	1380			
	16667	4630	7.8		84.7	420.9					
	17722	4923	6.5		82.1	380.7					
-2°	16034	4454	10.6		83.9	551.3	630		1380		
	18249	5069	8.8		86.2	509.3					
	19896	5527	6.4		81.6	423.6					
0°	15501	4306	12.0		82.1	615.5	670			1380	
	18988	5274	9.8		86.2	588.8					
	21689	6025	6.9		82.6	491.1					
+2°	17405	4835	12.7		81.8	739.2	800				1380
	20464	5685	10.8		86.2	698.0					
	24156	6710	7.5		83.6	586.6					

TECHNICAL PARAMETERS OF HQB SERIES SUBMERSIBLE AXIAL FLOW PUMP

HQB Series-DN1600

1600HQB-50A type submersible mixed-flow pump performance curve



350HQB-50 type submersible mixed-flow pump performance data

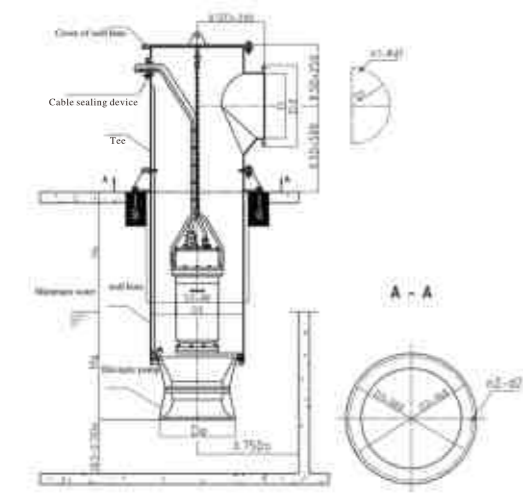
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm	
	m³/h	L/s				Shaft power	Motor power		
-4°	19872	5520	3.71	245	86.1	233.3	355	1480	
	18936	5260	4.47		87.2	264.5			
	18036	5010	5.08		88.5	282.1			
	16596	4610	6.04		87.9	310.8			
	15408	4280	6.71		85.3	330.3			
	22104	6140	4.09		85.6	287.8			
-2°	21240	5900	4.73		87.5	312.9	400		1480
	20196	5610	5.37		88.8	332.8			
	18108	5030	6.52		87.9	366.0			
	16632	4620	7.18		85.7	379.7			

350HQB-50 type submersible mixed-flow pump performance data

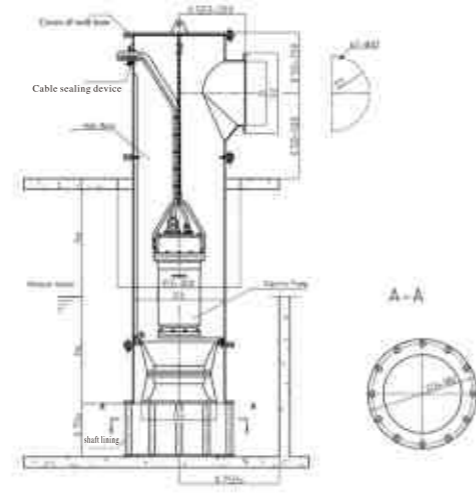
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm		
	m³/h	L/s				Shaft power	Motor power			
0°	24048	6680	4.55	245	86.1	346.3	475	1480		
	23220	6450	5.17		87.3	374.7				
	22248	6180	5.81		88.9	396.2				
	19980	5550	6.96		88.9	426.3				
	18252	5070	7.68		84.5	452.0				
+2°	25560	7100	5.08		85.8	412.4	530		1480	
	24696	6860	5.67		86.9	439.1				
	23760	6600	6.25		88.9	455.2				
	21708	6030	7.27		88.0	488.7				
	19728	5480	8.00		84.9	506.6				
+4°	26784	7440	5.57		86.1	472.2	600			1480
	25884	7190	6.14		87.1	497.2				
	24948	6930	6.65		88.9	508.5				
	23184	6440	7.47		88.1	535.7				
	21168	5880	8.17		85.7	549.9				

SUBMERSIBLE AXIAL FLOW PUMP AND SUBMERSIBLE MIXED FLOW PUMP

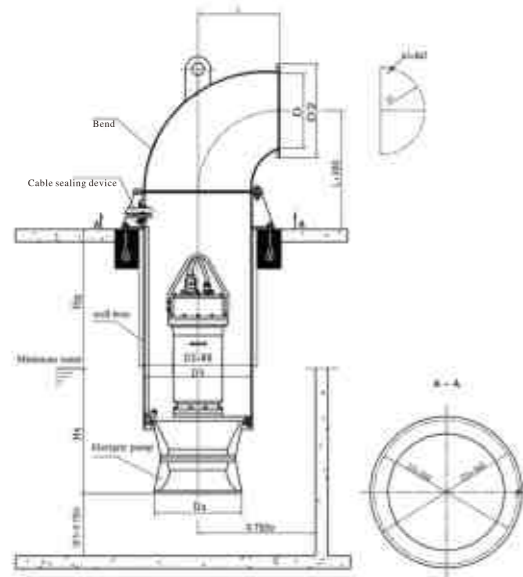
Installation form of submersible axial flow pump and submersible mixed flow pump



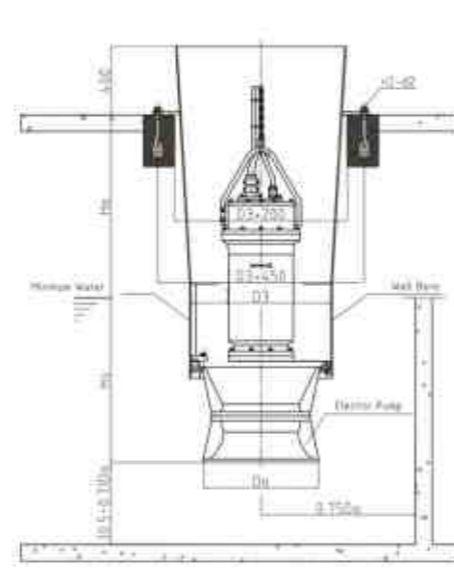
Suspended installation of wellbore



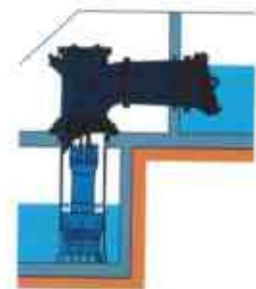
Floor standing installation of wellbore



Installation of wellbore bend pipe



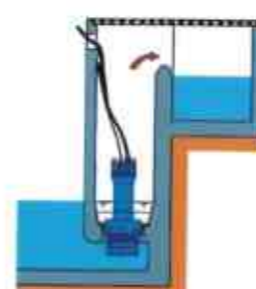
Open installation of wellbore



Suspended installation of wellbore



Installation of wellbore bend pipe



Open installation of wellbore

Floor standing installation of wellbore

SUBMERSIBLE AXIAL FLOW PUMP AND SUBMERSIBLE MIXED FLOW PUMP

Installation dimensions of steel shaft

Dimensions Table for Shaft Installation (mm)

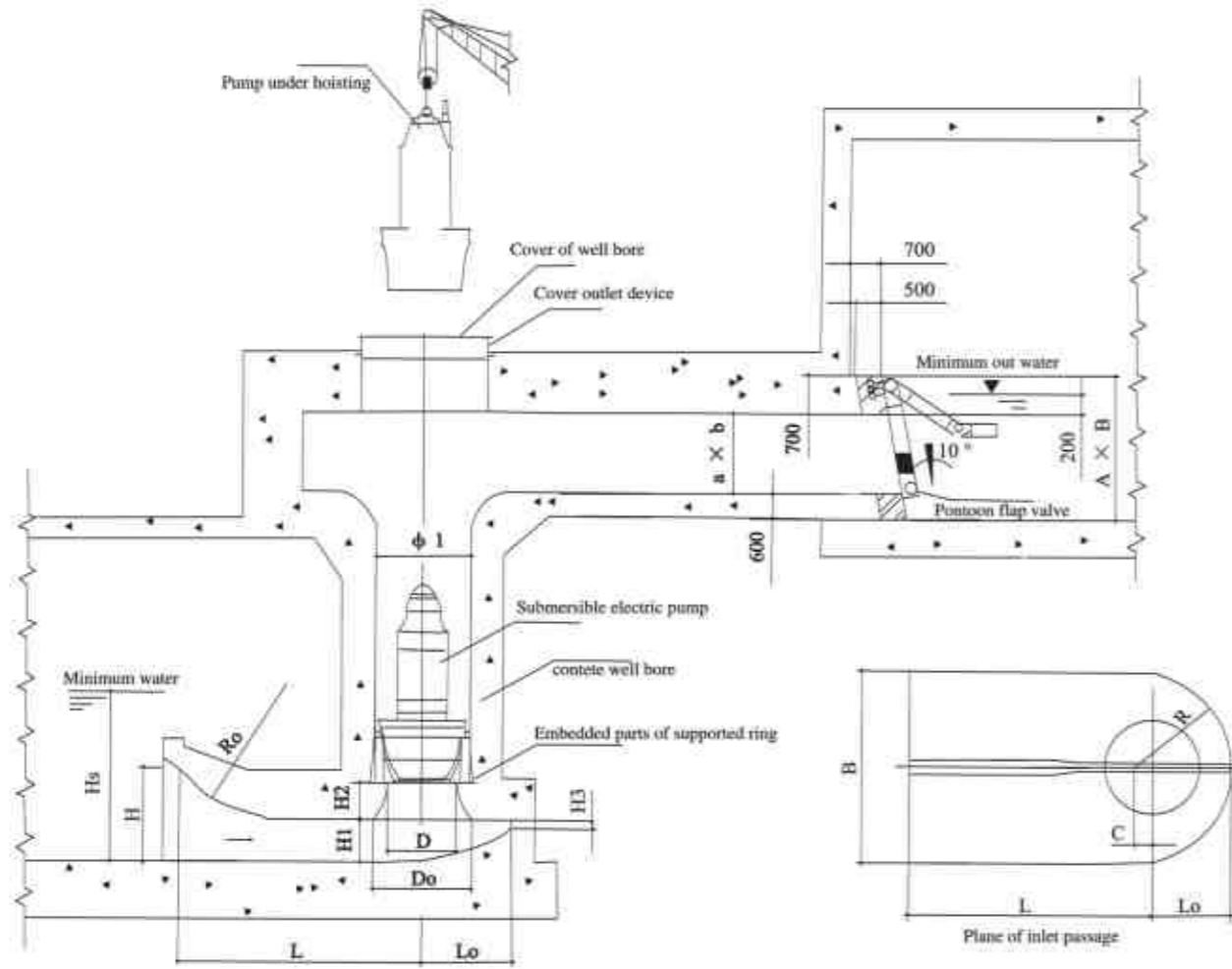
No.	Model description	Hs	Ho	Do	D3	D	n2-d2	D1	D2	n1-d1	Model weight (kg)	Well bore weight (kg/m)	Height (mm)
1	350ZQB-70	800		500	600	400	6-φ22				500	120	1730
2	350ZQB-70D	800		500	600	400	6-φ22				500	120	1730
3	350ZQB-100	800		500	600	400	6-φ22				500	120	1730
4	350ZQB-125	800		500	600	400	6-φ22				500	120	1730
5	350ZQB-160	800		500	600	400	8-φ26				500	120	1730
6	350HQB-50	600		500	650	400	6-φ22				640	120	1830
7	500ZQB-50	1000		700	800	600	8-φ26				1100	160	2000
8	500ZQB-50D	1000		700	800	600	8-φ26				1100	160	2000
9	500ZQB-70	1000		700	850	600	8-φ26				1100	160	1930
10	500ZQB-70D	1000		700	850	600	8-φ26				1100	160	1740
11	500ZQB-100	1000		700	800	600	8-φ26				1100	160	2000
12	500ZQB-125	1000		700	850	600	8-φ26				1100	160	1930
13	500ZQB-160	1000		700	850	600	8-φ26				1100	160	1930
14	600ZQB-70	1000		700	850	600	8-φ26				1100	160	2090
15	600ZQB-85	1000		700	850	600	8-φ26				1100	160	2090
16	600ZQB-100	1000		700	850	600	8-φ26				1100	160	2090
17	600ZQB-125	1000		700	850	600	8-φ26				1100	160	2090
18	600ZQB-160	1000		700	850	600	8-φ26				1100	160	2090
19	500HQB-50	900		700	850	600	8-φ26				1200	160	2220
20	500HQB-50A	900		700	850	600	8-φ26				1200	160	2220
21	600HQB-50	900		830	1000	800	8-φ26				1800	200	2600
22	600HQB-50A	900		830	1000	800	8-φ30				1800	200	2600
23	700HQB-50	1000		920	1100	800	8-φ30				2500	220	2650
24	700ZQB-50	1700		920	1100	800	8-φ30				2500	220	2900
25	700ZQB-50D	1700		920	1100	800	8-φ30				2500	220	2900
26	700ZQB-70	1700		920	1100	800	8-φ30				2500	220	2500
27	700ZQB-70D	1700		920	1100	800	8-φ30				2500	220	2500
28	700ZQB-70*	1700		920	1100	800	8-φ30				2500	220	2500
29	700ZQB-100	1700		920	1100	800	8-φ30				2500	220	2500
30	700ZQB-100D	1700		920	1100	800	8-φ30				2500	220	2500
31	700ZQB-125	1700		920	1100	800	8-φ30				2500	220	2500
32	700ZQB-160	1700		920	1100	800	8-φ30				2500	220	2500
33	800ZQB-50	1850		1060	1200	1100	8-φ30				4000	330	3200
34	800ZQB-70	1850		1060	1300	1200	8-φ30				5000	330	3200
35	800ZQB-100	1850		1060	1300	1200	8-φ30				5000	330	3200
36	800ZQB-125	1850		1060	1300	1200	8-φ30				5000	330	3200
37	800ZQB-160	1850		1060	1300	1200	8-φ30				5000	331	3200
38	800HQB-40	1850		1060	1200	1100	8-φ30				4000	330	3200
39	800HQB-50	1850		1060	1200	1100	8-φ30				4000	330	3200
40	900ZQB-50	1250		1200	1380	1200	8-φ30				4500	339	3700
41	900ZQB-70	1250		1200	1380	1200	8-φ30				4500	340	3600
42	900ZQB-70*	1250		1200	1380	1200	8-φ30				4500	340	3700
43	900ZQB-100D	1250		1200	1380	1200	8-φ30				4500	340	3670
44	900ZQB-100	2300		1200	1380	1200	8-φ30				5100	340	3670
45	900ZQB-125	1250		1200	1380	1200	8-φ30				5100	340	3670
46	900ZQB-160	1250		1200	1380	1200	8-φ30				5100	340	3670
47	900HQB-40	1950		1100	1380	1200	8-φ30				5800	450	3800
48	900HQB-50	1000		1200	1380	1200	8-φ30				5100	340	3670
49	900HQB-50D	1000		1200	1380	1200	8-φ30				5100	340	3670
50	1000ZQB-50	2200		1230	1380	1500	8-φ30				5850	450	3800
51	1000ZQB-70	2200		1230	1500	1400	8-φ30				5600	450	3800
52	1000ZQB-100	2200		1230	1500	1400	8-φ30				5600	450	3800
53	1000ZQB-125	2200		1230	1500	1400	8-φ30				5600	450	3800
54	1000ZQB-160	2200		1230	1500	1400	8-φ30				5600	450	3800
55	1000HQB-40	2200		1200	1500	1300	8-φ30				5950	650	4550
56	1000HQB-50	2200		1200	1500	1300	8-φ30				5950	650	4550
57	1200ZQB-70	2500		1400	1600	1400	8-φ30				6000	480	3740
58	1200ZQB-85	2500		1400	1600	1400	8-φ30				6000	480	3800
59	1200ZQB-100	2500		1400	1600	1400	8-φ40				6000	480	3740
60	1200ZQB-160	2500		1400	1600	1400	8-φ40				6000	480	3800
61	1200HQB-50	2200		1470	1750	1400	8-φ40				10000	610	4670
62	1200HQB-50A	2200		1470	1750	1400	8-φ40				10000	610	4670
63	1300ZQB-50	2520		1420	1700	1600	8-φ33				12000	720	5150
64	1300ZQB-70	2520		1420	1700	1600	8-φ33				12000	720	5150
65	1300ZQB-100	2520		1420	1700	1600	8-φ33				12000	720	5150
66	1300ZQB-125	2520		1420	1700	1600	8-φ33				12000	720	5150
67	1300ZQB-160	2520		1420	1700	1600	8-φ33				12000	720	5150
68	1300HQB-40	2350		1520	1800	1600	8-φ33				13000	850	5900
69	1300HQB-50	2350		1520	1800	1600	8-φ33				13000	850	5900
70	1500HQB-50	2500		1700	2000	1800	8-φ33				15000	980	7100
71	1500ZQB-50	2650		1650	1950	1800	8-φ33				15000	920	6900
72	1500ZQB-70	2650		1650	1950	1800	8-φ33				15000	920	6900
73	1500ZQB-100	2650		1650	1950	1800	8-φ33				15000	920	6900
74	1500ZQB-125	2650		1650	1950	1800	8-φ33				15000	920	6900
75	1500ZQB-160	2650		1650	1950	1800	8-φ33				15000	920	6900

According to the layout and specified Ho value in the contract by the user

PNs(bar)

SUBMERSIBLE AXIAL FLOW PUMP AND SUBMERSIBLE MIXED FLOW PUMP

Installation diagram of concrete shaft



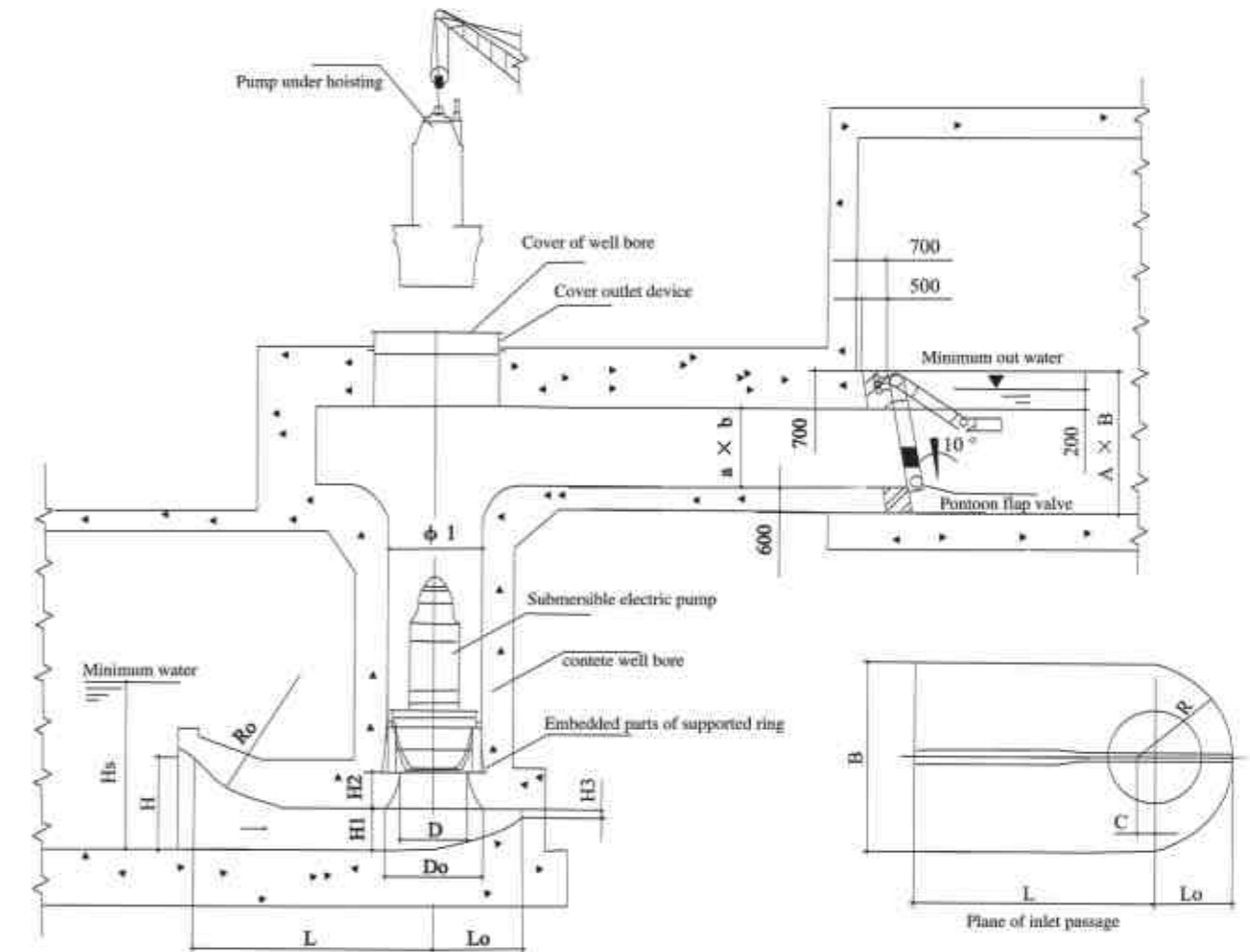
1200-1600ZQB submersible axial flow pump dustpan type inlet channel size (mm)

No.	Model description	φ1	D	Do	Hs	H	H1	H2	H3	B	L	Lo	R	C	Ro	a x b	A x B	Model weight (kg)
1	1200ZQB-100	1650	1080	1620	3200	1750	880	780	180	2940	3300	1100	1490	370	3120	1200 x 1200 1400 x 1400	2500 x 2200 2700 x 2400	6000
2	1200ZQB-125																	
3	1400ZQB-70	1800	1200	1760	3400	1790	900	780	200	3280	3600	1200	1600	400	3400	1600 x 1600 1800 x 1800	2900 x 2600 2700 x 2600	13000
4	1400ZQB-85																	
5	1400ZQB-100																	
6	1400ZQB-125																	
7	1600ZQB-70	2100	1520	2260	3800	2290	1230	980	260	4100	4620	1540	2050	510	4360	2000 x 2000 2200 x 2200	3300 x 3000 3500 x 3200	15000
8	1600ZQB-85																	
9	1600ZQB-100																	
10	1600ZQB-125																	

Note: According to the contract, provide the inlet channel profile diagram, submersible pump, wellbore cover, floating box flap door and their corresponding embedded parts diagram.

SUBMERSIBLE AXIAL FLOW PUMP AND SUBMERSIBLE MIXED FLOW PUMP

Installation diagram of concrete shaft



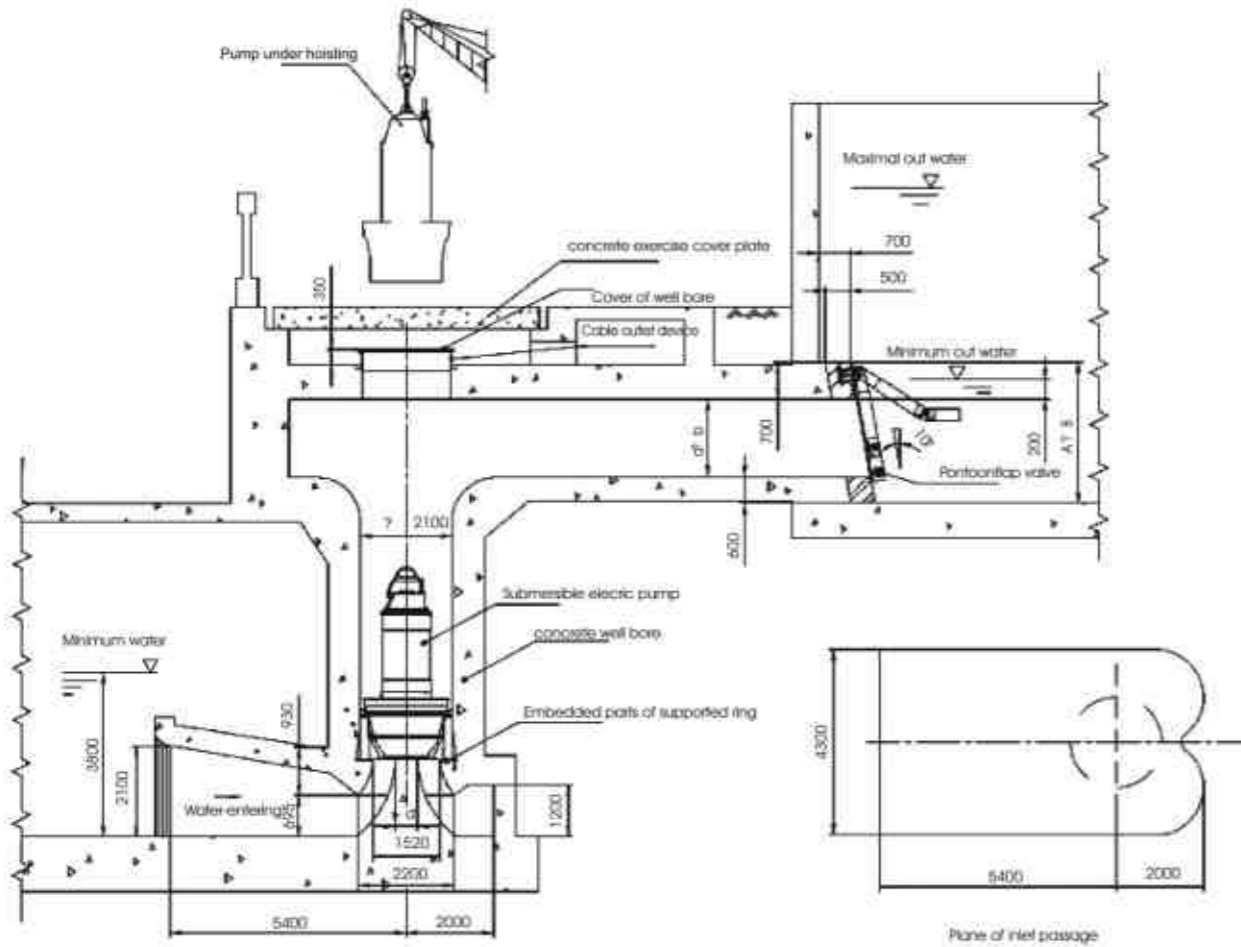
1200-1400HQB submersible axial flow pump dustpan type inlet channel size (mm)

No.	Model description	φ1	D	Do	Hs	H	H1	H2	H3	B	L	Lo	R	C	Ro	a x b	A x B	Model weight (kg)
1	1200HQB-50	1750	900	1600	2600	1750	880	700	180	2900	3300	1100	1480	370	3120	1200 x 1200 1400 x 1400	2500 x 2200 2700 x 2400	10000
2	1200HQB-50A																	
3	1400HQB-40	1800	1060	1760	3000	1790	960	760	200	3200	3600	1200	1600	400	3400	1400 x 1600 1600 x 1600	2700 x 2300 2900 x 2600	14000
4	1400HQB-50																	
5	1400HQB-50A																	

Note: According to the contract, provide the inlet channel profile diagram, submersible pump, wellbore cover, floating box flap door and their corresponding embedded parts diagram.

SUBMERSIBLE AXIAL FLOW PUMP AND SUBMERSIBLE MIXED FLOW PUMP

Concrete sump installation



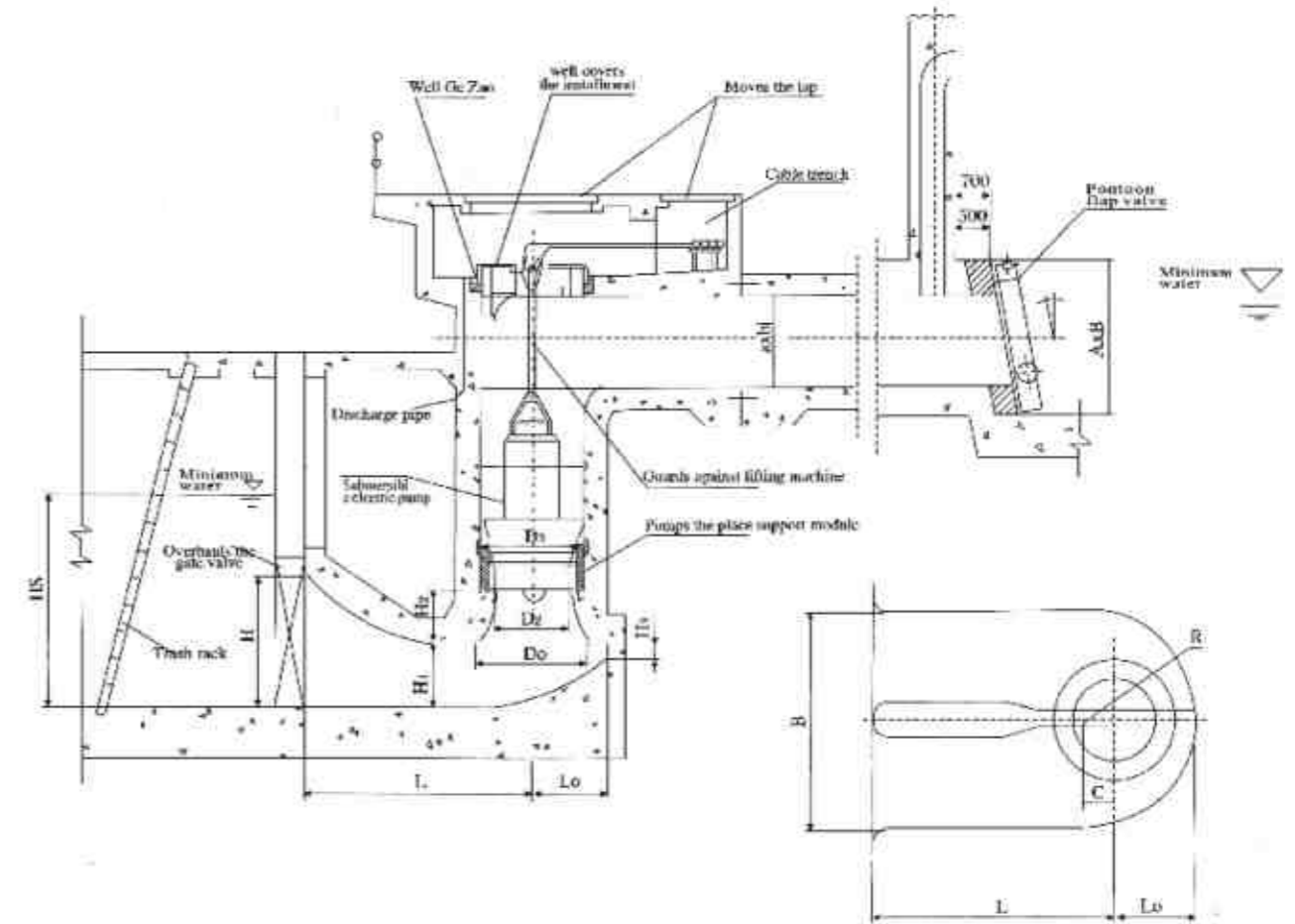
1600ZQB submersible axial flow pump bell shaped inlet channel size table (mm)

No.	Model description	d	a × b	A × B	Model weight (kg)
1	1600ZQB-70	740	2000×2000	3300×3000	15000
2	1600ZQB-85	648			
3	1600ZQB-100	616	2200×2200	3500×3200	
4	1600ZQB-125	487			

Note: According to the contract, provide the inlet channel profile diagram, submersible pump, wellbore cover, floating box flap door and their corresponding embedded parts diagram.

SUBMERSIBLE AXIAL FLOW PUMP AND SUBMERSIBLE MIXED FLOW PUMP

Concrete sump installation



1600-2400ZQBX planetary gear reduction electric pump dustpan shaped inlet channel cement inlet cylinder installation dimension chart

Model description	n (r/min)	H ₁	D ₁	D ₂	D ₀	H	H ₁	H ₂	H ₃	B	L	L ₀	R	C	a × b	A × B
1600ZQBX	245	3560	2150	1540	2259	2594	1232	1063	262	4096	4620	1540	2048	513	1800×2400	3200×3800
1800ZQBX	256.8	5000	2400	1740	2553	2930	1392	1201	236	4628	5222	1740	2314	579	2200×2800	3600×5200
2000ZQBX	215	5800	2750	2000	2934	3368	1500	1380	340	5320	6600	2000	2660	666	2400×3000	3900×4400
2400ZQBX	176.5	6500	3200	2350	3447	3957	1880	1621	400	6251	7050	2400	3125.5	783	2800×3400	4200×4800

Explanation: 1. Flow rate through the grid $\leq 0.3\text{m/s}$
 2. The center distance between the two pumps is B+the wall thickness of the tank

SUBMERSIBLE AXIAL FLOW PUMP AND SUBMERSIBLE MIXED FLOW PUMP

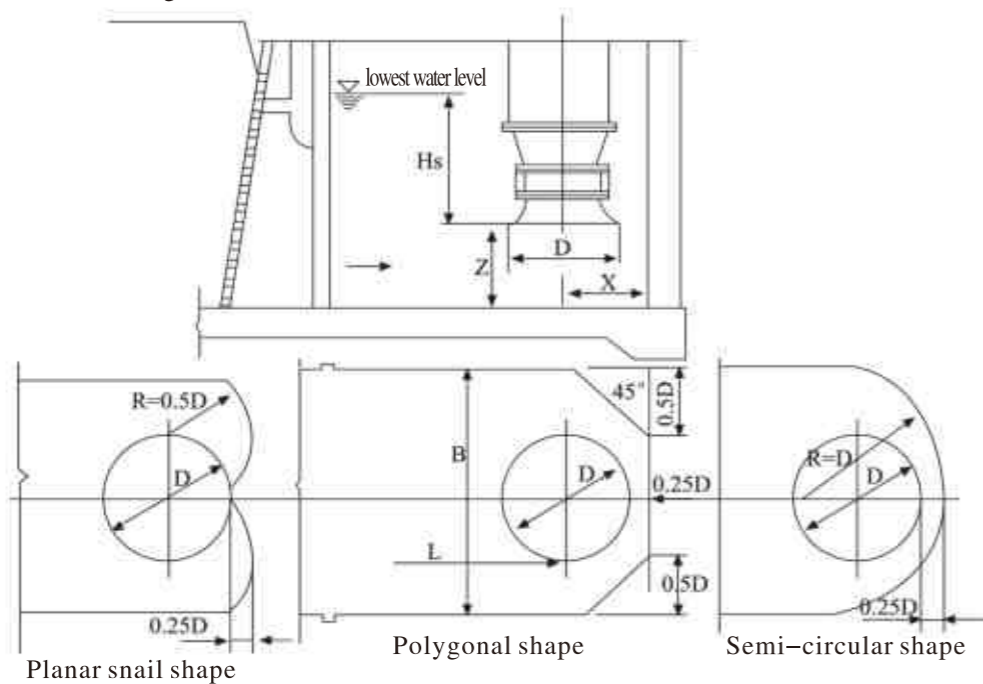
Experienced intake sump desing for reference

The optimal geometric dimensions for a straight inlet pool with front water intake (recommended)

Geometrical size of suction sump	Japan Society of Mechanical engineers	Beijish Hydromechanics Engineering Association	American Hydraulic Research Institute	Recommended value	Applicable conditions
Pool width B/D	2.0-2.5	2-3	2.6-2.8	2.0-2.5	Centrifugal pump, take the large value for small pumps Axial flow pump, take the maximum value for large pumps
Suspended high Z/D	0.5-7.5	0.5-0.75	0.52-0.59	0.5-0.7	Take the small value for the small pump Take the maximum value for the large pump
Rear wall distance X/D	0.8-1.0	0.75	1.2-1.4	0.5-0.75	Take 0.5D for the flat snail shaped rear wall Other forms take +0.75D
Pool length L/D		4.0		5-8	

Submerged water depth HS, please refer to the installation size table of the electric pump

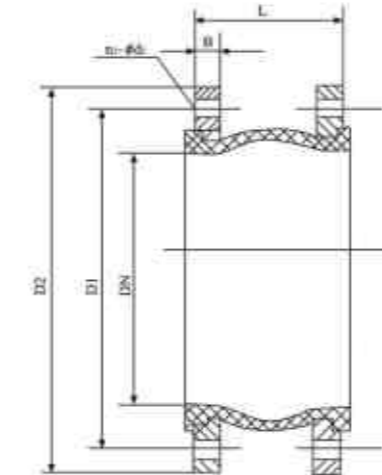
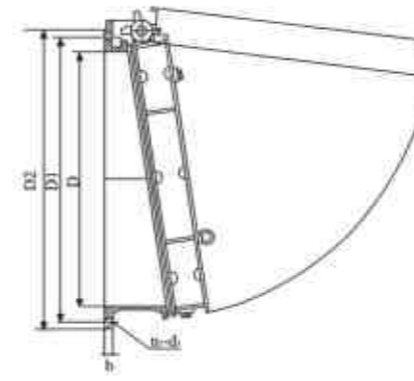
Discharge barrier



Rear walls of different shapes in the inlet pool

SUBMERSIBLE AXIAL FLOW PUMP AND SUBMERSIBLE MIXED FLOW PUMP

Accessories



Outlet caliber of well bore	Outline size of outlet flap valve of pontoon (mm)				
	D	D1	D2	b	n1-φt
350	350	445	495	20	8-φ22
400	400	495	540	20	8-φ22
500	500	600	640	20	12-φ22
600	600	705	755	20	12-φ27
700	700	810	860	20	12-φ27
800	800	920	980	20	12-φ27
900	900	1020	1075	25	12-φ27
1000	1000	1120	1175	25	12-φ22
1200	1200	1320	1380	25	12-φ30
1400	1400	1520	1575	32	12-φ30
1600	1600	1760	1830	32	12-φ36

The specific gravity of the door leaf is 1.2-1.5, with a sealed cavity structure. Its buoyancy in water replaces hanging balance, increasing the opening angle of the door leaf compared to traditional methods.

Nominal diameter DN	Expansion joint outline size (mm)				
	D1	D2	n1-φd1	B	L
350	460	500	16-φ22	38	265
400	515	565	16-φ26	40	265
500	620	670	20-φ26	42	265
600	725	780	20-φ30	42	260
700	840	895	24-φ30	42	260
800	950	1015	24-φ33	42	260
900	1050	1115	28-φ33	44	260
1000	1160	1230	28-φ36	44	260
1200	1380	1455	32-φ39	44	260
1400	1590	1675	36-φ42	44	350
1600	1820	1915	40-φ48	48	350

Scope of supply for discharge pipe system of pump station

		Installation mode					Remarks
		Shed factory installation	Pipe-free installation of well bore	Flow installation of well bore	Opening installation of well bore	Concrete protection of well bore	
Main machine	●	●	●	●	●		
Control panel	●	●	●	●	●		
Well bore	●	●	●	●	●	Provide dimensions according to Ho	
Cover plate	●	●	●	●	●		
Supporter	●	●	●	●	●		
Wall pipe	●	●	●	●	●		
Drain grating	●	●	●	●	●		
Terminal box	●	●	●	●	●		
Float switch	●	●	●	●	●		
Pontoon flap valve	●	●	●	●	●		
Flexible door	●	●	●	●	●		
O ring	●	●	●	●	●	Supply according to the contract	
Blade	●	●	●	●	●	Supply according to the contract	
Bearing	●	●	●	●	●	Supply according to the contract	
Mechanical seal	●	●	●	●	●	Supply according to the contract	
Cable conductor	●	●	●	●	●	Supply according to the contract	
Incoming coming wire sealing/sealing	●	●	●	●	●	Supply according to the contract	

SUBMERSIBLE AXIAL FLOW PUMP AND SUBMERSIBLE MIXED FLOW PUMP

Commissioning & maintenance

Failure	Possible causes	Troubleshooting
Power equipment overload	<ol style="list-style-type: none"> 1. The installation angle of the blade exceeds the specified value 2. The head is too high, and there is a blockage in the outlet pipeline 3. There is friction between the outer edge of the blade and the impeller casing 4. The speed of the pump exceeds the specified value 5. There are debris around the blades of the water pump 6. The inlet pool does not meet the requirements 7. The pump is not operating within its operating range 	<ol style="list-style-type: none"> 1. Adjust (reduce) the installation angle of the blades again 2. Clean the water outlet pipeline. 3. Check the wear of the blades and readjust the installation. 4. Adjust the frequency of the prime mover power supply to meet the rated speed of the pump. 5. Remove debris and clean with water several times after stopping the machine. Add a trash rack at the inlet of the water tank to prevent debris from entering again. 6. If the water tank is too small, it should be enlarged; The distance between the two pumps is too small, try to move them away; Improve the inlet conditions, remove the vortex at the inlet, and verify the operation data of the pump
Reduced flow or no water output	<ol style="list-style-type: none"> 1. The immersion depth of the impeller is insufficient. 2. The outer circumference of the impeller is worn or the blade is partially damaged. 3. The head is too high 4. Submersible pump steering error 5. The speed of the submersible pump has not reached the specified speed, and there is a fracture between the hub and blades of the submersible pump 6. Or the blade fixing nut is loose 7. The door cannot be opened by tapping 	<ol style="list-style-type: none"> 1. Raise the operating water level 2. Replace blades or adjust clearances 3. Adjust the head to within the range of use and check if there is any blockage in the outlet pipeline 4. Correct the rotation direction of the water pump 5. Increase the power frequency and speed to achieve the specified value 6. Reinstall the blades and tighten the nuts 7. Overhaul the flap door

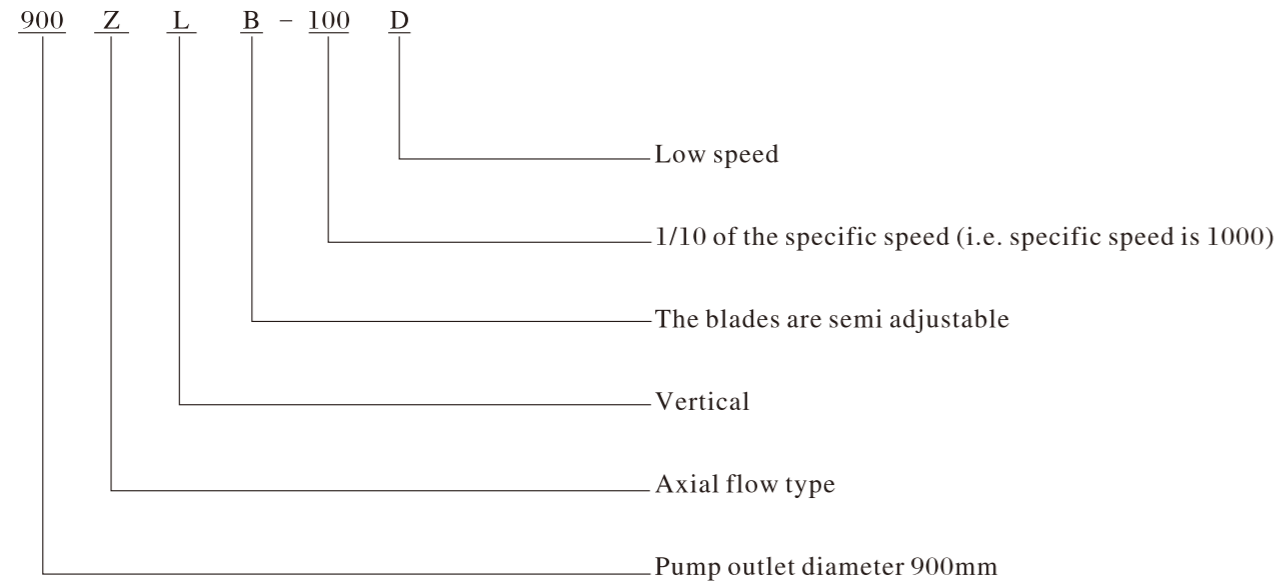
SUBMERSIBLE AXIAL FLOW PUMP AND SUBMERSIBLE MIXED FLOW PUMP

Failure	Possible causes	Troubleshooting
There is noise or vibration during the operation of the submersible pump	<ol style="list-style-type: none"> 1. The immersion depth of the impeller is insufficient. 2. The foundation of the submersible pump is not tight enough or the nut is loose. 3. There is friction between the outer circle of the impeller blade and the impeller shell. 4. The blade part is broken or detached by debris. 5. The inflow flow state is unstable, generating vortices. 6. Several pumps are installed improperly in the same pool, interfering with each other. 7. The water pump operates at unstable operating points 	<ol style="list-style-type: none"> 1. Raise the operating water level 2. Strengthen the foundation and tighten the nuts 3. Check the perpendicularity of the impeller components and pump shaft 4. Replace the blades 5. Improve the inlet conditions of the pump 6. Rearrange or add partitions to the inlet pool 7. Improper selection, reselect
The submersible pump cannot be started or the circuit breaker is disconnected after starting	<ol style="list-style-type: none"> 1. Winding, connector or cable open circuit 2. Impeller stuck 3. Control protection device activated 4. Voltage not within normal range 5. Incorrect wiring 6. Control cabinet electrical malfunction 	<ol style="list-style-type: none"> 1. Check with a multimeter, if it proves to be a circuit breaker, check the winding terminals and cables 2. Adjust the impeller 3. Check the protective device 4. Adjust the voltage to the specified range 5. Check and verify the wiring of the control box 6. Check and replace electronic components

Product Overview

ZLB series axial flow water pump has the characteristics of high flow rate and low head, and can transport clean water with a temperature not exceeding 50 °C and physical and chemical properties similar to water. Other liquids. Small and medium-sized axial flow pumps are widely used for irrigation and drainage in farmland, urban water supply and drainage, transportation of circulating water in thermal power stations, lifting and lowering of water levels in shipyards, aquaculture, and salt production. Transporting pond water and other hydraulic engineering on site. Large axial flow pumps are mainly used for large-scale agricultural irrigation, cross basin water transfer, and large-scale drainage in low-lying areas and lake regions.

Model Description



Scope of complete pump supply

The scope of supply for water pumps with a diameter of less than 1000ZLB and above shall be determined by both parties at the time of signing the contract.

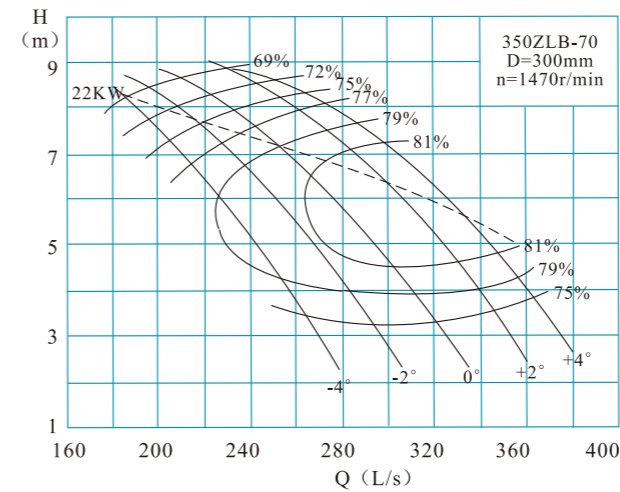
(1) a. One pump body b. One set of transmission device c. One set of specialized disassembly and assembly tools d. Check valve

(2) Additional supporting supplies can be provided according to user needs:

a. Electric motor b. 30 ° bent pipe, straight pipe, expansion pipe, diffusion pipe c. vulnerable parts, spare parts d. Special control and protection electrical devices for electrical cabinets, electrical appliances, trash racks, cleaning racks, and pump stations

ZLB Series-DN350

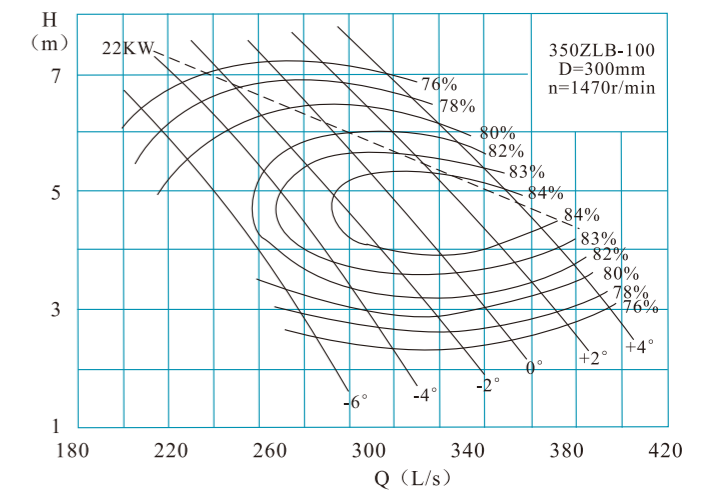
350ZLB-70 Performance Curve of Axial Flow Pump



350ZLB-70 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-4°	736	204	7.3	1450	75	19.5	Y180L-4 22kW	300	
	812	226	6		79	16.8			
	949	264	3.45		77	11.6			
-2°	712	198	8.42		69	23.7			Y200L-4 30kW
	861	239	6.65		79	19.7			
	1058	294	3.25		77	12.2			
0°	803	223	8.3		72	25.2	Y200L-4 30kW		
	963	268	6.55		81	21.2			
	1163	323	3.3		77	13.6			
+2°	948	263	7.88		77	26.4			Y200L-4 30kW
	1028	286	7.1		81	24.6			
	1244	346	4.07		79	17.5			
+4°	1076	299	7.2	81	26.1	Y200L-4 30kW			
	1256	349	4.75	81	20.1				
	1284	357	4.30	79	19.0				

350ZLB-100 Performance Curve of Axial Flow Pump



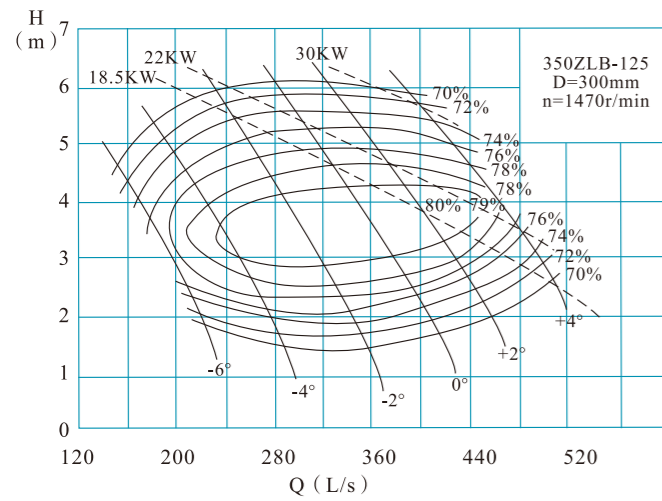
350ZLB-100 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-6°	745	207	6.41	1450	76	17.1	Y180L-4 22kW	300	
	911	253	4.41		82	13.3			
	1096	304	2.56		76	10.1			
-4°	799	222	6.91		76	19.8			Y180L-4 22kW
	1022	284	4.21		83.1	14.1			
	1145	318	2.43		76	10.0			
-2°	907	252	6.7		78	21.2	Y200L-4 30kW		
	1058	294	4.93		84	16.9			
	1246	346	2.35		76	10.5			
0°	950	264	7.2		76	24.5			Y200L-4 30kW
	1206	335	4.34		84.3	16.9			
	1339	372	2.47		76	11.9			
+2°	1030	286	7.2	76	26.6	Y200L-4 30kW			
	1278	355	4.58	85	18.8				
	1426	396	2.73	76	14.0				
+4°	1141	317	6.96	76	28.5		Y200L-4 30kW		
	1368	380	4.57	84.2	20.2				
	1501	417	3.08	76	16.6				

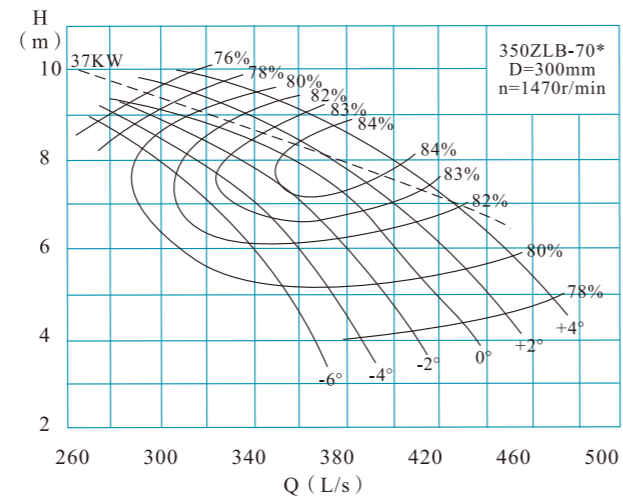
ZLB SERIES PROPELLER PUMP

ZLB Series-DN350

350ZLB-125 Performance Curve of Axial Flow Pump



350ZLB-70* Performance Curve of Axial Flow Pump



350ZLB-125 Performance Table of Type Vertical Axial Flow Pump

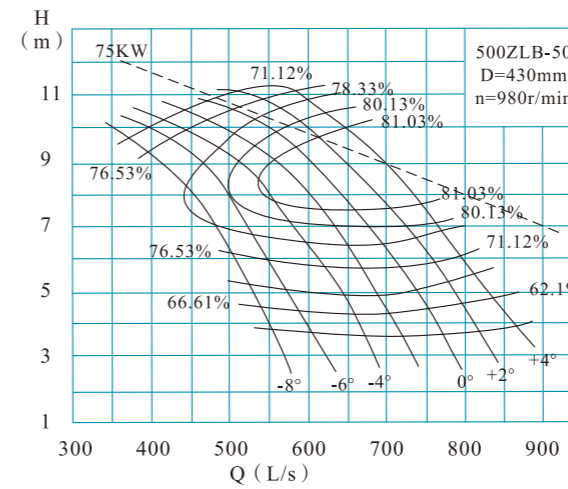
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-6°	540	150	4.65	1450	70	9.8	Y180M-4 18.5kW	300	
	688	191	3.2		78	7.7			
	792	220	1.93		70	6.0			
-4°	655	182	5.36		70	13.7			
	900	250	3.2		80	9.8			
	1040	289	1.49		70	6.0			
-2°	832	231	5.96		70	19.3	Y180L-4 22kW		
	1116	310	3.3		80	12.5			
	1264	351	1.54		70	7.6			
0°	1094	304	5.32		76	20.9			Y200L-4 30kW
	1321	367	3.56		81	15.8			
	1487	413	1.8		70	10.4			
+2°	1156	321	6.13	70	27.6	Y225M-4 45kW			
	1440	400	4.01	80	19.7				
	1627	452	2.3	72	14.2				
+4°	1543	429	5.09	76	28.2		Y225S-4 37kW		
	1670	464	3.92	79	22.6				
	1800	500	2.89	72	19.7				

350ZLB-70* Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	976	271	8.76	1450	76	30.7	Y225S-4 37kW	300
	1130	314	7.19		82.4	26.9		
	1318	366	3.91		78	18.0		
	1001	278	9.02		76	32.4		
-4°	1184	329	7.34		83	28.5		
	1408	391	3.99		78	19.6		
	1026	285	9.25		76	34.0		
-2°	1260	350	7.42		83	30.7		
	1480	411	4.11		78	21.3		
	1055	293	9.46		76	35.8		
0°	1310	364	7.77		85.1	32.6		
	1548	430	4.37		78	23.6		
	1076	299	9.6	76	37.0			
+2°	1350	375	7.93	84.8	34.4			
	1606	446	4.56	78	25.6			
	1127	313	9.91	76	40.0			
+4°	1411	392	8.35	84	38.2			
	1688	469	4.93	78	29.1			

ZLB Series-DN500

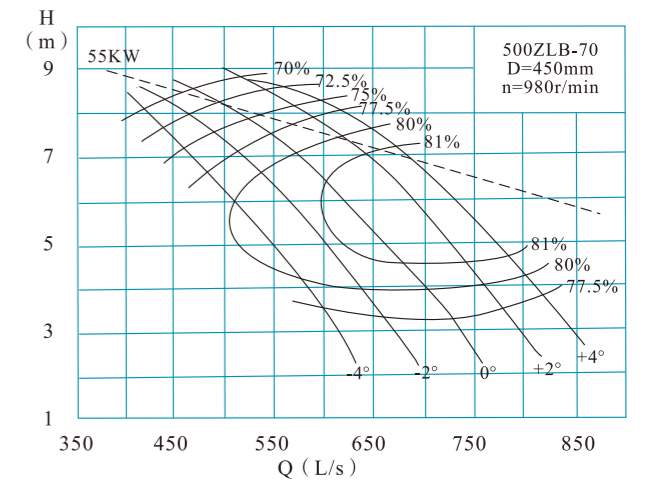
500ZLB-50 Performance Curve of Axial Flow Pump



500ZLB-50 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	1522	423	9.78	980	75.6	53.7	Y315S-6 JSL-11-6 75kW	430
	1843	512	8		80.2	50.1		
	1981	550	6.85		78.3	47.2		
	1600	444	10.12		75.6	58.4		
-4°	1987	552	8.25		81	55.1		
	2183	606	6.65		78.3	50.5		
	1698	472	10.48		75.6	64.1		
-2°	2131	592	8.5		81	60.9		
	2368	658	6.61		78.3	54.5		
	1801	500	10.82		75.6	70.2		
0°	2300	639	8.54		81	66.1		
	2536	704	6.67		78.3	58.9		
	2212	614	10.02	81	74.6			
+2°	2430	675	8.7	81.5	70.7			
	2683	745	6.8	78.3	63.5			
	2170	603	11.06	75.6	86.5			
+4°	2556	710	9	81.5	76.9			
	2826	785	7.04	78.3	69.2			

500ZLB-70 Performance Curve of Axial Flow Pump



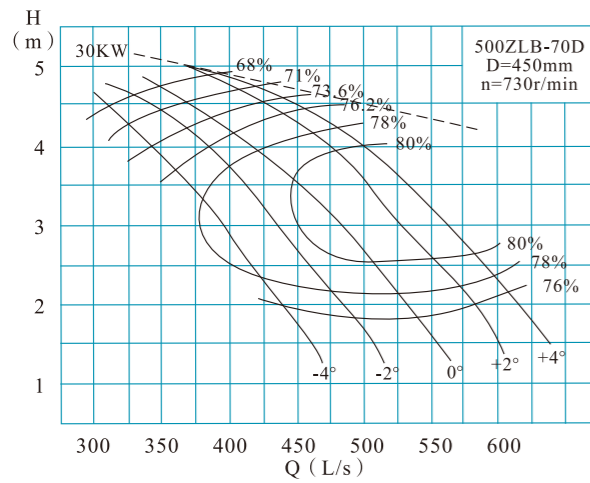
500ZLB-70 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	1370	381	9.44	980	70	50.3	Y280L-6 55kW	450
	1760	489	7		79.6	42.2		
	2050	569	4.35		78.5	31.0		
	1720	478	8.2		74.5	51.6		
-2°	2010	558	6.43		80	44.0		
	2250	625	4.9		73.5	40.9		
	2099	583	7		79.9	50.1		
0°	2160	600	6.3		81.2	45.7		
	2510	697	3.9		77	34.6		
	2340	650	6.6		81.5	51.6		
+2°	2560	711	5.6		82	47.6		
	2660	739	4.67		81.5	41.5		
	2556	710	6.2	82.2	52.5			
+4°	2700	750	5.6	83	49.6			
	2858	794	4.4	79	43.4			

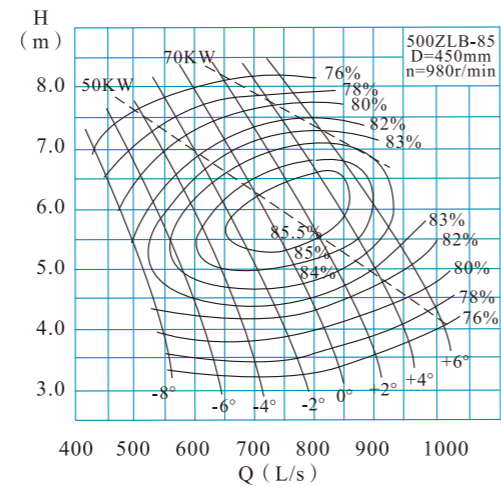
ZLB SERIES PROPELLER PUMP

ZLB Series-DN500

500ZLB-70D Performance Curve of Axial Flow Pump

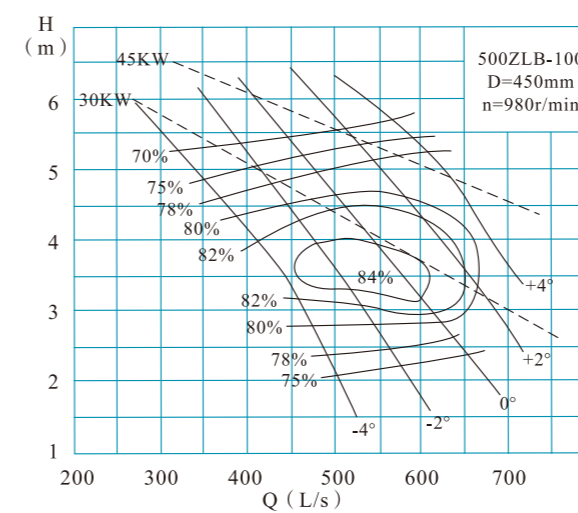


500ZLB-85 Performance Curve of Axial Flow Pump

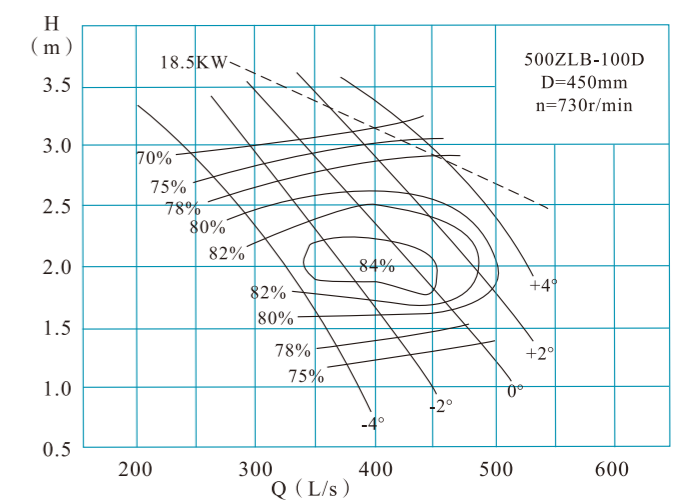


ZLB Series-DN500

500ZLB-100 Performance Curve of Axial Flow Pump



500ZLB-100D Performance Curve of Axial Flow Pump



500ZLB-70D Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	1020	283	5.32	730	68.2	21.7	Y250M-8 30kW	450
	1310	364	3.95		78.4	18.0		
	1530	425	2.45		77.2	13.2		
-2°	1170	325	5.16		73	22.5		
	1500	417	3.62		78.8	18.8		
	1675	465	2.76		71.9	17.5		
0°	1480	411	4.16		77.8	21.6		
	1610	447	3.56		80.1	19.5		
	1870	519	2.16		75.6	14.6		
+2°	1710	475	3.95		80.4	22.9		
	1910	531	3.1		80.9	19.9		
	1990	553	2.63		80.4	17.7		
+4°	1640	456	4.44	75.4	26.3			
	1860	517	3.52	82	21.8			
	2100	583	2.82	81.5	19.8			

500ZLB-85 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	1674	465	8.5	980	72.1	53.8	Y280M-6 55kW	450
	2286	635	5		85.2	36.6		
	2556	710	2.9		76.2	26.5		
	2002	556	7.87		76	56.5		
-2°	2498	694	5.5		85.5	43.8		
	2819	783	2.78		76	28.1		
	2070	575	8.5		72	66.6		
0°	2700	750	5.5		85.5	47.3		
	3006	835	3.15		76	34.0		
	2365	657	8.09		76	68.6		
+2°	2830	786	6		85.5	54.1		
	3240	900	3.56		76	41.4		
	2646	735	7.76	80	69.9			
+4°	2995	832	6.23	85.5	59.5			
	3427	952	3.76	76	46.2			

500ZLB-100 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	1220	339	5.08	980	72.4	23.3	Y225M-6 30kW	450
	1543	429	3.79		83	19.2		
	1890	525	1.8		71.3	13.0		
	1481	411	5		75	26.9		
-2°	1726	479	3.98		84.6	22.1		
	2013	559	1.8		78	12.7		
	1800	500	4.8		78	30.2		
0°	2077	577	3.6		86	23.7		
	2245	624	2.75		80	21.0		
	1965	546	5.36		76.2	37.7		
+2°	2220	617	4.15		82.7	30.4		
	2372	659	3.05		80.2	24.6		
+4°	2005	557	5.93	71.2	45.5			
	2250	625	5.14	79.2	39.8			
	2342	651	4.59	79.5	36.8			

500ZLB-100D Performance Table of Type Vertical Axial Flow Pump

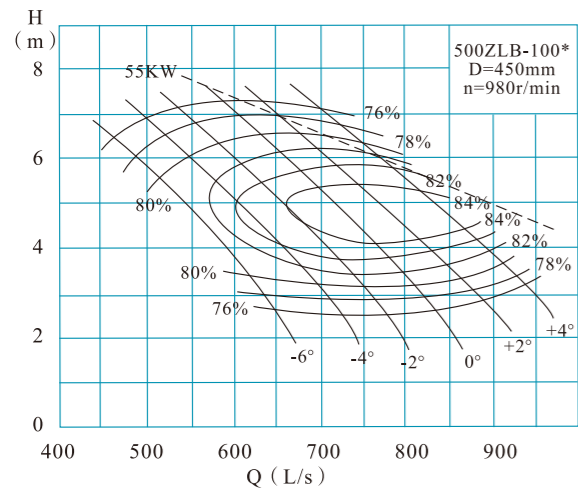
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
0°	1287	358	2.85	730	74.4	13.4	Y225S-8 18.5kW	450
	1548	430	2		86	9.8		
	1678	466	1.6		80	9.1		
+2°	1406	391	3.07		72.4	16.2		
	1635	454	2.31		82.7	12.4		
	1750	486	1.94		82	11.3		
+4°	1510	419	3.23		71.8	18.5		
	1678	466	2.85		79.2	16.5		
	1750	486	2.55		79.6	15.3		

ZLB SERIES PROPELLER PUMP

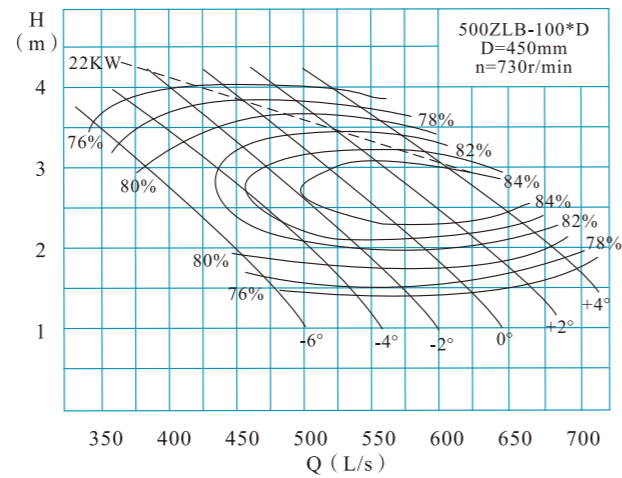
ZLB SERIES PROPELLER PUMP

ZLB Series-DN500

500ZLB-100*Performance Curve of Axial Flow Pump



500ZLB-100*DPerformance Curve of Axial Flow Pump



500ZLB-100*Performance Table of Type Vertical Axial Flow Pump

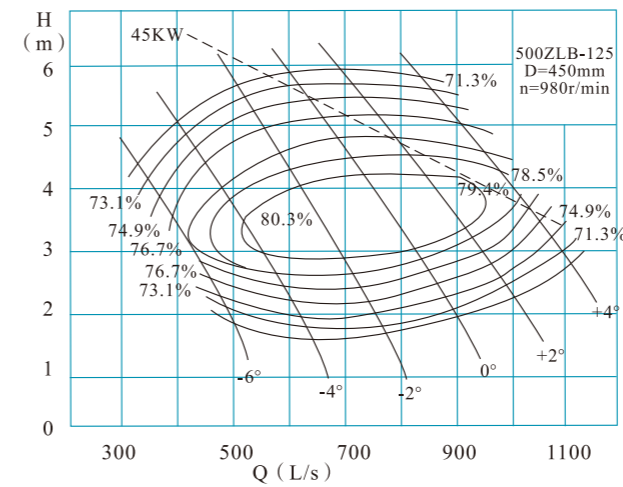
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	1765	490	5.96	980	78.37	36.6	Y280M-6 55kW	450
	2053	570	4.14		81.98	28.3		
	2283	634	2.56		76.57	20.8		
-4°	1798	499	6.91		76.57	44.2		
	2299	639	4.21		82.97	31.8		
	2541	706	2.67		78.37	23.6		
-2°	2040	567	6.7		78.37	47.5		
	2504	696	4.32		83.51	35.3		
	2800	778	2.35		76.57	23.4		
0°	2312	642	6.41		80.17	50.4		
	2709	753	4.34		84.05	38.1		
	2981	828	2.72		78.37	28.2		
+2°	2570	714	6.08	81.98	51.9			
	2874	798	4.58	84.68	42.4			
	3169	880	2.98	78.37	32.8			
+4°	2997	833	5.04	83.78	49.1			
	3079	855	4.57	83.96	45.7			
	3342	928	3.28	78.73	37.9			

500ZLB-100*DPerformance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	1251	347	3.56	730	75.15	16.1	Y225M-8 22kW	450
	1529	425	2.3		80.89	11.8		
	1694	471	1.58		75.15	9.7		
-4°	1340	372	3.83		75.15	18.6		
	1713	476	2.34		81.94	13.3		
	1853	515	1.69		78.98	10.8		
-2°	1590	442	3.47		78.98	19.0		
	1805	501	2.62		82.22	15.7		
	2028	563	1.62		78.98	11.3		
0°	1590	442	3.99		75.15	23.0		
	2019	561	2.41		83.08	16.0		
	2184	607	1.67		79.98	12.4		
+2°	1728	480	3.99	75.15	25.0			
	2141	595	2.54	83.75	17.7			
	2361	656	1.65	75.15	14.1			
+4°	1988	552	3.62	77.06	25.4			
	2294	637	2.54	82.99	19.1			
	2517	699	1.71	75.15	15.6			

ZLB Series-DN500

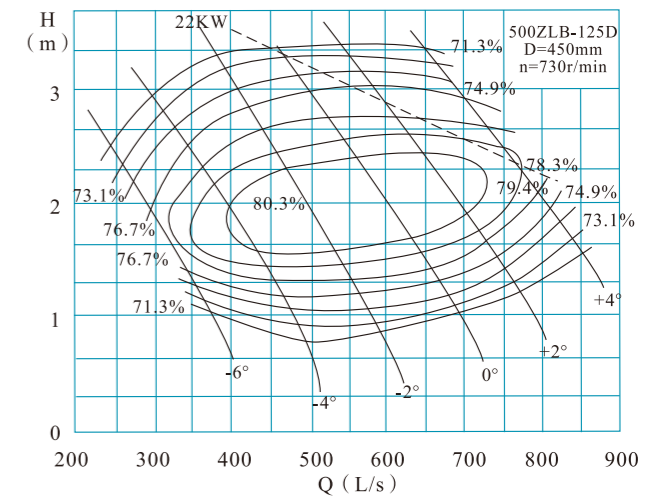
500ZLB-125Performance Curve of Axial Flow Pump



500ZLB-125Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	1620	450	4.55	980	75	26.8	Y225M-6 30kW	450
	1962	545	3.2		80.5	21.3		
	2196	610	2		75	16.0		
-2°	2070	575	4.75		78	34.4	Y250M-6 37kW	
	2394	665	3.3		81.5	26.4		
	2700	750	1.9		75	18.6		
0°	2484	690	4.8		78.5	41.4	Y280S-6 45kW	
	2844	790	3.5		82.5	32.9		
	3204	890	2		73.5	23.8		
+2°	2808	780	5.1		76.5	51.0	Y280M-6 55kW	
	3240	900	3.6		82	38.8		
	3510	975	2.5		75	31.9		
+4°	3366	935	4.4	78.6	51.3			
	3636	1010	4	79.5	49.9			
	3834	1065	3.6	76.5	49.2			

500ZLB-125DPerformance Curve of Axial Flow Pump



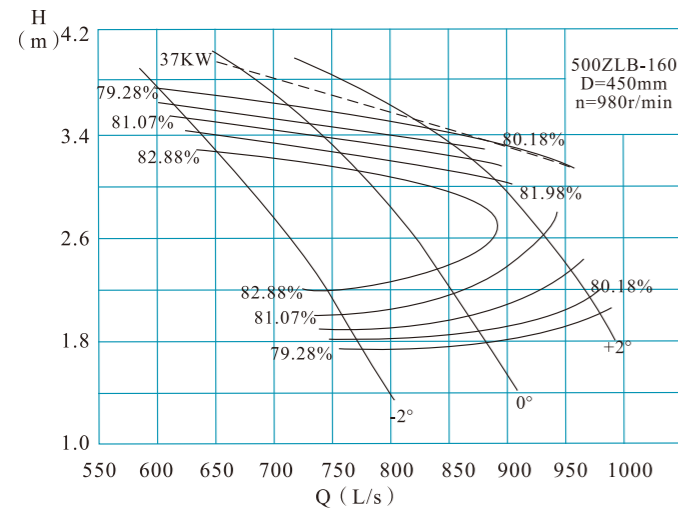
500ZLB-125DPerformance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	1573	437	2.75	730	78	15.1	Y225S-8 18.5kW	450
	1822	506	1.9		81.5	11.6		
	2050	569	1.1		75	8.2		
0°	1890	525	2.78		78.5	18.2	Y225M-8 22kW	
	2160	600	2.02		82.5	14.4		
	2434	676	1.16		73.5	10.5		
+2°	2232	620	2.7		78.5	20.9		
	2462	684	2.08		82	17.0		
	2668	741	1.45		75	14.1		

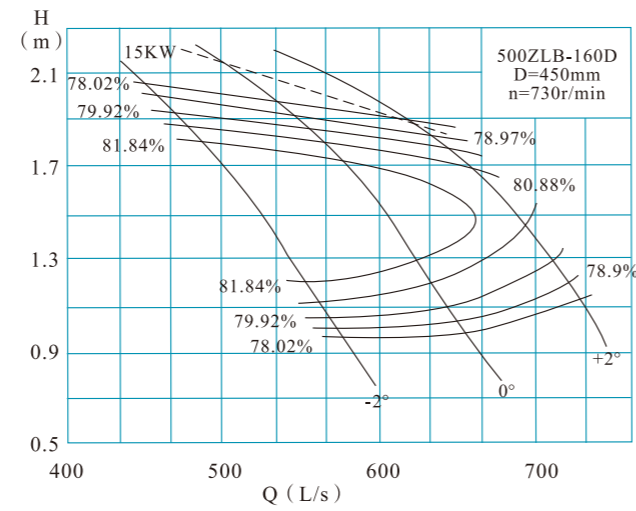
ZLB SERIES PROPELLER PUMP

ZLB Series-DN500

500ZLB-160 Performance Curve of Axial Flow Pump



500ZLB-160D Performance Curve of Axial Flow Pump



500ZLB-160 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-2°	2192	609	3.72	980	79.3	28.0	Y250M-6 37kW	450	
	2545	707	2.56		84.2	21.1			
	2804	779	1.71		79.3	16.5			
0°	2569	714	3.57		79.3	31.5			
	2956	821	2.57		84.2	24.6			
	3158	877	1.79		79.3	19.4			
+2°	2989	830	3.41		79.3	35.0			Y280S-6 45kW
	3194	887	3.02		82.0	32.1			
	3474	965	2.13		80.2	25.1			

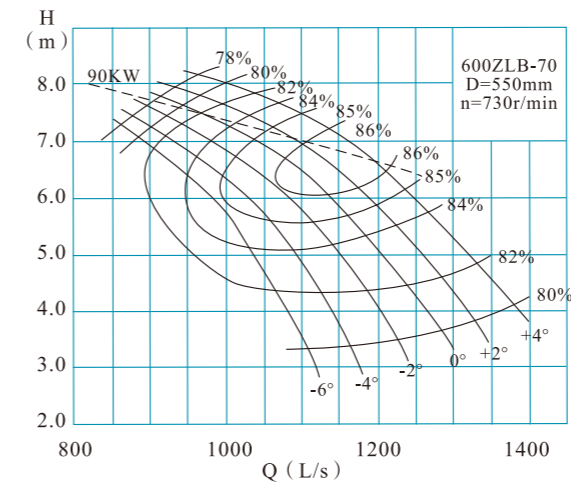
500ZLB-160D Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	1633	454	2.06	730	78.0	11.8	Y200L-8 15kW	450
	1896	527	1.42		83.3	8.8		
	2040	567	1.06		80.0	7.4		
	1914	532	1.98		78.0	13.2		
0°	2202	612	1.43		82.3	10.4	Y225S-8 18.5kW	
	2321	645	1.03		79.0	8.2		
	2227	618	1.89		78.0	14.7		
	2379	661	1.68		80.9	13.4		
+2°	2588	719	1.18		79.0	10.6		

ZLB SERIES PROPELLER PUMP

ZLB Series-DN600

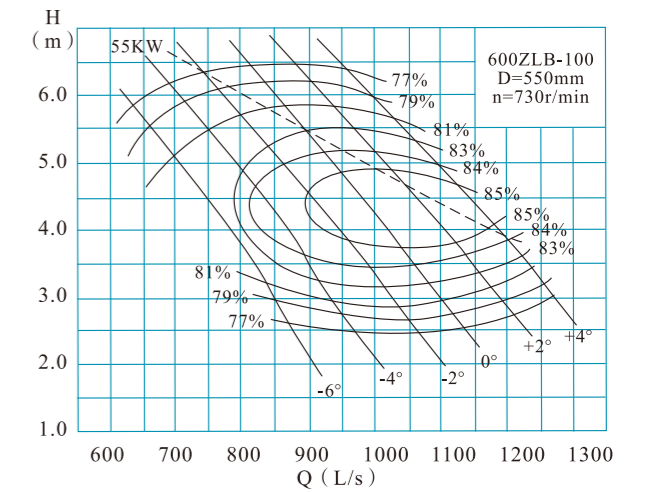
600ZLB-70 Performance Curve of Axial Flow Pump



600ZLB-70 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	2988	830	7.26	730	78.0	75.8	Y315L1-8 90kW	550
	3528	980	5.62		84.0	64.3		
	4037	1121	3.24		80.0	44.6		
	3066	852	7.46		78.0	79.9		
-4°	3672	1020	5.90		85.0	69.5	Y315L2-8 110kW	
	4311	1197	3.32		80.0	48.8		
	3138	872	7.63		78.0	83.7		
-2°	3816	1060	6.18		85.0	75.6	Y315L2-8 110kW	
	4529	1258	3.44		80.0	53.1		
	3222	895	7.84		78.0	88.2		
0°	4032	1120	6.35		86.0	81.1	Y315L2-8 110kW	
	4741	1317	3.63		80.0	58.6		
	3278	911	7.96	78.0	91.2			
+2°	3744	1040	6.60	86.0	78.3	Y315L2-8 110kW		
	4903	1362	3.80	80.0	63.5			
	3440	956	8.18	78.0	98.3			
+4°	4302	1195	6.95	86.0	94.7	Y315L2-8 110kW		
	5165	1435	4.11	80.0	72.3			

600ZLB-100 Performance Curve of Axial Flow Pump



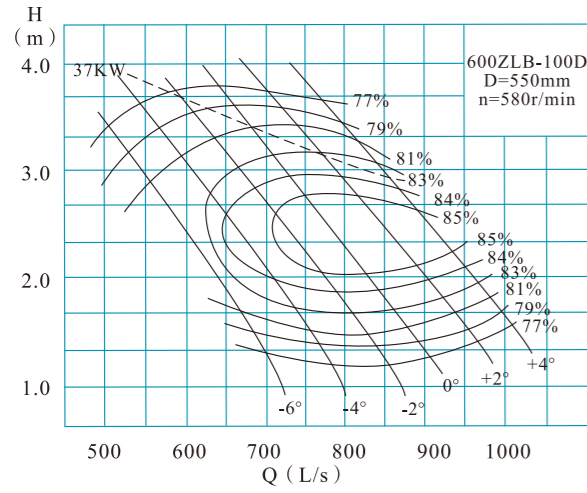
600ZLB-100 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	2556	710	4.45	730	81.1	38.2	Y280M-8 45kW	550
	2808	780	3.49		81.6	32.7		
	3132	870	2.43		79.0	26.3		
	3024	840	4.00		84.0	39.2		
-4°	3132	870	3.54		84.4	35.8	Y280M-8 45kW	
	3348	930	2.66		81.0	30.0		
	3132	870	4.45		84.0	45.2		
-2°	3420	950	3.49		85.0	38.3	Y280M-8 45kW	
	3672	1020	2.52		81.0	31.1		
	3348	930	4.47		85.0	48.0		
0°	3672	1020	3.59		85.0	42.3	Y280M-8 45kW	
	3852	1070	2.95		81.0	38.2		
	3924	1090	3.73	84.0	47.5			
+2°	4104	1140	3.37	85.0	44.3	Y280M-8 45kW		
	4176	1160	2.90	83.0	39.8			
	4176	1160	3.79	85.0	50.7			
+4°	4284	1190	3.41	84.0	47.4	Y280M-8 45kW		
	4482	1245	3.00	81.0	45.2			

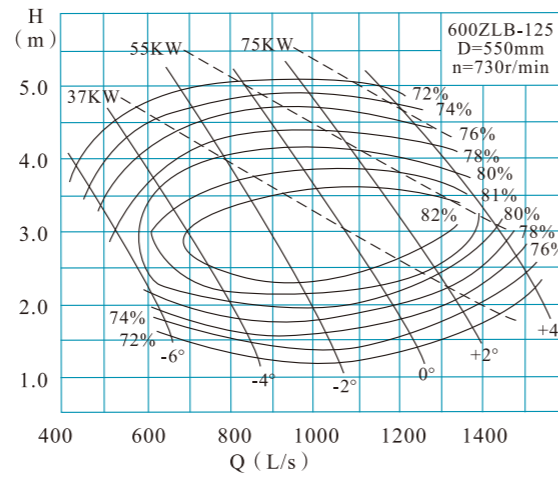
ZLB SERIES PROPELLER PUMP

ZLB Series-DN600

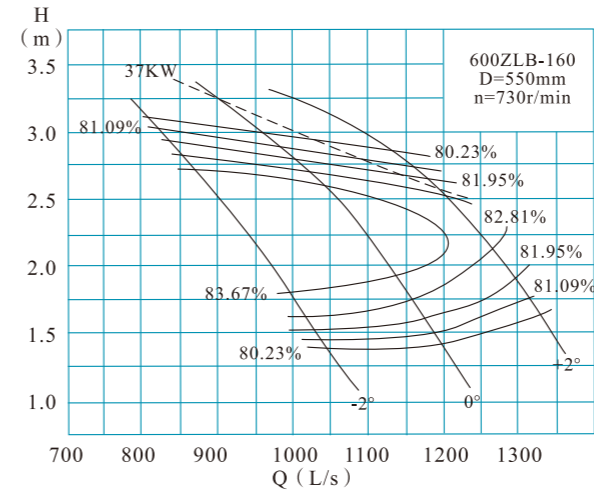
600ZLB-100D Performance Curve of Axial Flow Pump



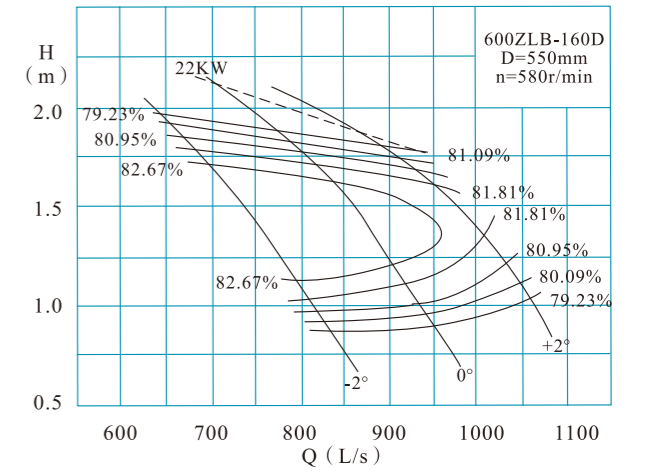
600ZLB-125 Performance Curve of Axial Flow Pump



600ZLB-160 Performance Curve of Axial Flow Pump



600ZLB-160D Performance Curve of Axial Flow Pump



600ZLB-100D Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	1835	510	3.10	580	78.0	19.9	Y225M-6 30kW	550
	2016	560	2.88		81.0	19.5		
	2484	690	1.43		79.0	12.3		
-4°	2182	606	3.15		81.0	23.1		
	2412	670	2.50		84.0	19.6		
	2707	752	1.54		81.0	14.0		
-2°	2311	642	3.26		81.0	25.3		
	2585	718	2.53		85.0	21.0		
	2851	792	1.75		82.0	16.6		
0°	2498	694	3.36		81.0	28.2		
	2880	800	2.36		85.0	21.8		
	3161	878	1.60		81.0	17.0		
+2°	2761	767	3.20	82.0	29.4			
	3096	860	2.36	85.0	23.4			
	3287	913	1.60	82.0	17.5			
+4°	2952	820	3.25	81.0	32.3	Y315S-10 45kW		
	3240	900	2.60	85.0	27.0			
	3492	970	2.00	82.0	23.2			

600ZLB-125 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-6°	1653	459	3.85	730	72.0	24.1	Y280S-8 37kW	550	
	2102	584	2.65		80.0	19.0			
	2424	673	1.60		72.0	14.7			
-4°	2010	558	4.45		72.0	33.9			
	2707	752	2.65		82.0	23.8			
	3183	884	1.23		72.0	14.8			
-2°	2546	707	4.94		72.0	47.6			Y280M-8 55kW
	3312	920	2.95		82.0	32.5			
	3864	1073	1.28		72.0	18.7			
0°	3049	847	5.07		72.0	58.5			Y315M-8 75kW
	3888	1080	3.10		83.5	39.3			
	4545	1263	1.49		72.0	25.6			
+2°	3540	983	5.80	72.0	77.7	Y315L1-8 90kW			
	4435	1232	3.20	82.0	47.2				
	5048	1402	1.75	72.0	33.4				
+4°	4278	1188	4.94	72.0	80.0	Y315L1-8 90kW			
	5040	1400	3.50	81.0	59.3				
	5573	1548	2.26	72.0	47.7				

600ZLB-160 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	2981	828	3.08	730	80.2	31.2	Y280S-8 37kW	550
	3463	962	2.12		85.0	23.5		
	3814	1059	1.42		80.2	18.4		
	3493	970	2.96		80.2	35.1		
0°	4169	1158	1.77		82.8	24.3	Y280M-8 45kW	
	4295	1193	1.48		80.2	21.6		
	4065	1129	2.83		80.2	39.1		
+2°	4345	1207	2.51		82.8	35.9	Y280M-8 45kW	
	4728	1313	1.76		81.1	28.0		

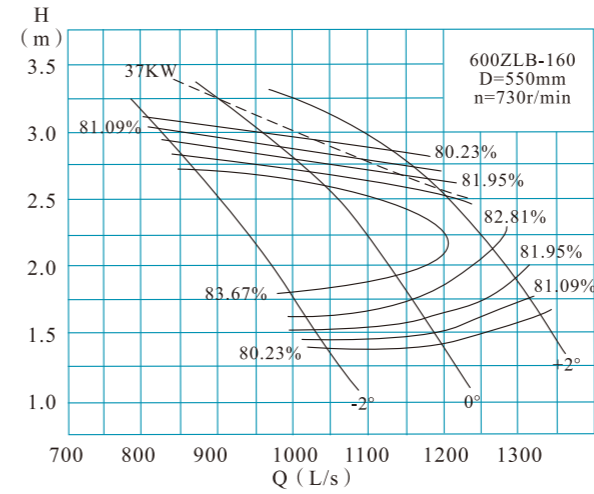
600ZLB-160D Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	2368	658	1.94	580	79.2	15.8	Y200L-2-6 皮带传动 22kW	550
	2751	764	1.34		84.0	12.0		
	2927	813	1.05		81.1	10.3		
	2775	771	1.87		79.2	17.8		
0°	3261	906	1.35		83.1	14.4	Y200L-2-6 皮带传动 22kW	
	3355	932	1.04		81.0	11.7		
	3230	897	1.79		79.2	19.8		
+2°	3452	959	1.58		81.8	18.2	Y200L-2-6 皮带传动 22kW	
	3756	1043	1.11		80.1	14.2		

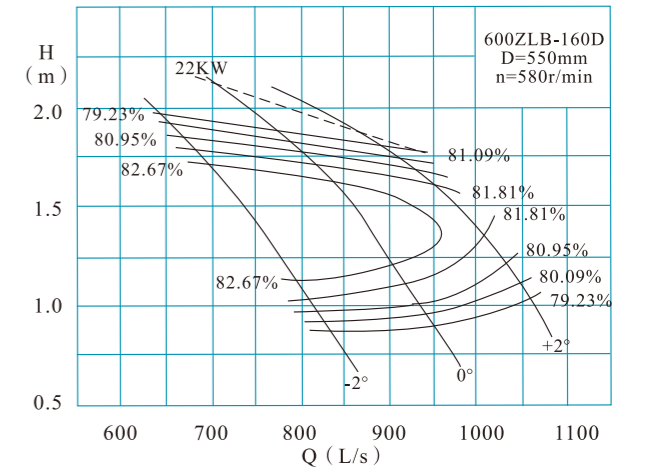
ZLB SERIES PROPELLER PUMP

ZLB Series-DN600

600ZLB-160 Performance Curve of Axial Flow Pump



600ZLB-160D Performance Curve of Axial Flow Pump



600ZLB-160 Performance Table of Type Vertical Axial Flow Pump

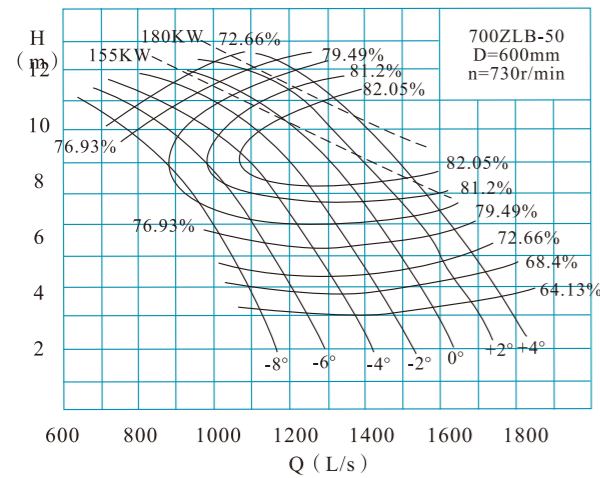
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	2981	828	3.08	730	80.2	31.2	Y280S-8 37kW	550
	3463	962	2.12		85.0	23.5		
	3814	1059	1.42		80.2	18.4		
	3493	970	2.96		80.2	35.1		
0°	4169	1158	1.77		82.8	24.3	Y280M-8 45kW	
	4295	1193	1.48		80.2	21.6		
	4065	1129	2.83		80.2	39.1		
+2°	4345	1207	2.51		82.8	35.9	Y280M-8 45kW	
	4728	1313	1.76		81.1	28.0		

600ZLB-160D Performance Table of Type Vertical Axial Flow Pump

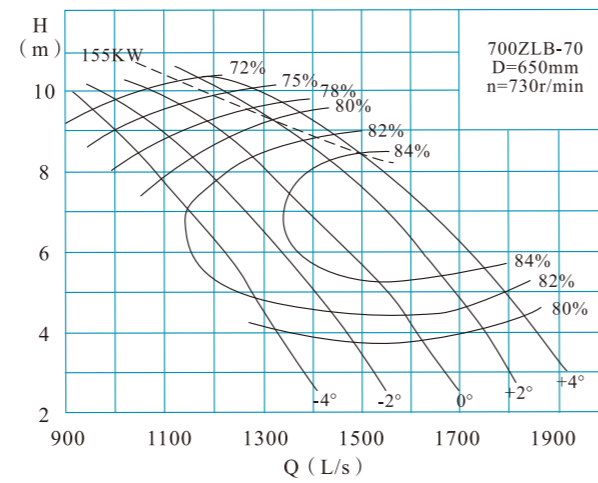
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	2368	658	1.94	580	79.2	15.8	Y200L-2-6 皮带传动 22kW	550
	2751	764	1.34		84.0	12.0		
	2927	813	1.05		81.1	10.3		
	2775	771	1.87		79.2	17.8		
0°	3261	906	1.35		83.1	14.4	Y200L-2-6 皮带传动 22kW	
	3355	932	1.04		81.0	11.7		
	3230	897	1.79		79.2	19.8		
+2°	3452	959	1.58		81.8	18.2	Y200L-2-6 皮带传动 22kW	
	3756	1043	1.11		80.1	14.2		

ZLB Series-DN700

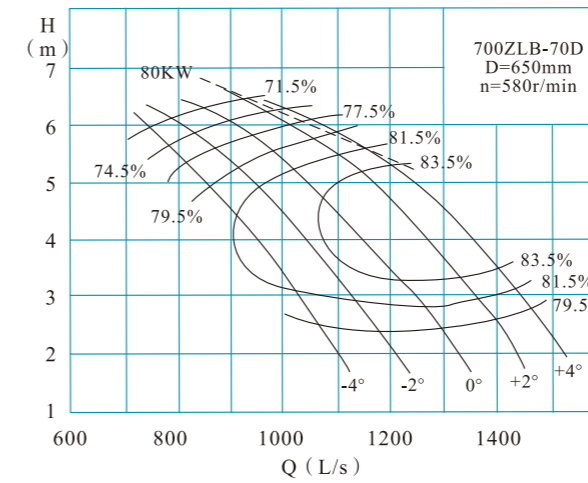
700ZLB-50 Performance Curve of Axial Flow Pump



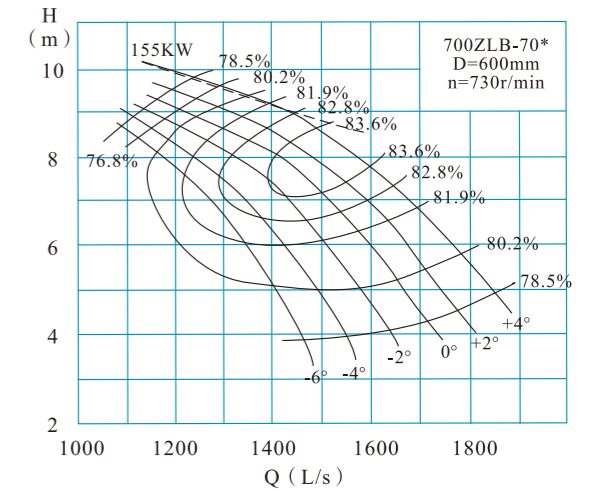
700ZLB-70 Performance Curve of Axial Flow Pump



700ZLB-70D Performance Curve of Axial Flow Pump



700ZLB-70* Performance Curve of Axial Flow Pump



700ZLB-50 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-8°	2704	751	10.68	730	72.7	108.2	JSL-12-8 132kW	600
	3427	952	8.50		79.0	100.5		
	3980	1106	5.07		68.4	80.4		
-6°	2827	785	11.07		72.7	117.4		
	3715	1032	8.75		81.5	108.7		
	4135	1149	4.24		65.0	73.5		
-4°	3893	1081	9.39		82.0	121.5		
	4010	1114	9.00		82.1	119.8		
	4698	1305	5.60		72.7	98.6		
-2°	3103	862	11.70		72.7	136.1		
	4334	1204	9.00		82.5	128.8		
	5112	1420	5.25		70.0	104.5		
0°	3436	954	11.32	76.9	137.8			
	4653	1293	9.24	82.1	142.7			
	5191	1442	4.81	72.7	93.6			
+2°	3879	1078	12.05	76.9	165.6			
	4896	1360	9.50	83.0	152.7			
	5738	1594	5.85	72.7	125.8			
+4°	4749	1319	11.07	82.0	174.7			
	5162	1434	9.75	83.0	165.2			
	6017	1671	6.14	72.7	138.5			

700ZLB-70 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	3060	850	10.90	730	73.2	124.2	JSL-12-8 155kW	650
	3940	1094	8.11		81.4	107.0		
	4590	1275	5.04		80.7	78.1		
	3520	978	10.60		77.1	131.9		
-2°	4500	1250	7.46		82.7	110.6		
	5040	1400	5.68		76.2	102.4		
0°	4430	1231	8.42		81.2	125.2		
	4860	1350	7.30		83.1	116.3		
	5580	1550	4.53		79.4	86.8		
+2°	5110	1419	8.11		83.5	135.2		
	5710	1586	6.39		83.8	118.6		
	5960	1656	5.41		83.5	105.2		
+4°	5870	1631	7.25	84.8	136.8			
	6280	1744	5.80	84.3	117.7			
	6540	1817	4.51	81.2	99.0			

700ZLB-70D Performance Table of Type Vertical Axial Flow Pump

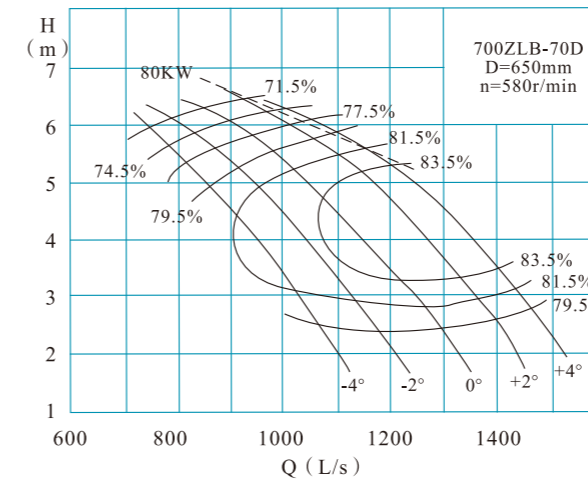
Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	2431	675	6.88	580	72.0	63.3	JSL-12-10 80kW	650
	3130	870	5.12		80.9	54.0		
	3647	1013	3.18		79.8	39.6		
	2797	777	6.69		76.1	67.0		
-2°	3575	993	4.71		81.3	56.4		
	4004	1112	3.59		75.2	52.0		
	3520	978	5.32		80.3	63.5		
0°	3861	1073	4.61		82.4	58.8		
	4433	1232	2.86		78.4	44.1		
	4060	1128	5.12		82.7	68.5		
+2°	4537	1260	4.03		83.1	60.0		
	4735	1315	3.42		82.7	53.3		
	4664	1296	4.58	84.1	69.2			
+4°	4990	1386	3.66	83.6	59.5			
	5196	1443	2.85	80.4	50.1			

700ZLB-70* Performance Table of Type Vertical Axial Flow Pump

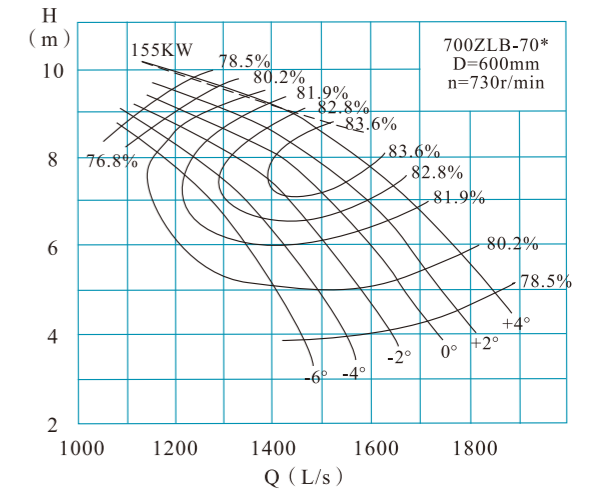
Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	4032	1120	8.30	730	79.0	115.4	JSL-12-8 155kW	650
	4518	1255	7.00		82.0	105.1		
	4842	1345	5.80		81.0	94.5		
	4205	1168	8.4		80.2	120.0		
-4°	4734	1315	7.15		83.0	111.1		
	5105	1418	5.9		81.9	100.2		
	4392	1220	8.6		80.5	127.9		
-2°	4896	1360	7.6		83.0	122.2		
	5400	1500	6		81.0	109.0		
	4644	1290	8.7		81.5	135.1		
0°	5220	1450	7.6		84.0	128.7		
	5688	1580	6.1		81.5	116.0		
	4824	1340	8.8	80.5	143.7			
+2°	5382	1495	7.7	84.0	134.4			
	5958	1655	6	81.0	120.3			
	5004	1390	9.2	81.9	153.2			
+4°	5508	1530	8.5	84.0	151.9			
	6300	1750	6.2	81.0	131.4			

ZLB Series-DN700

700ZLB-70D Performance Curve of Axial Flow Pump



700ZLB-70* Performance Curve of Axial Flow Pump



700ZLB-70D Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	2431	675	6.88	580	72.0	63.3	JSL-12-10 80kW	650
	3130	870	5.12		80.9	54.0		
	3647	1013	3.18		79.8	39.6		
	2797	777	6.69		76.1	67.0		
-2°	3575	993	4.71		81.3	56.4		
	4004	1112	3.59		75.2	52.0		
	3520	978	5.32		80.3	63.5		
0°	3861	1073	4.61		82.4	58.8		
	4433	1232	2.86		78.4	44.1		
	4060	1128	5.12		82.7	68.5		
+2°	4537	1260	4.03		83.1	60.0		
	4735	1315	3.42		82.7	53.3		
	4664	1296	4.58	84.1	69.2			
+4°	4990	1386	3.66	83.6	59.5			
	5196	1443	2.85	80.4	50.1			

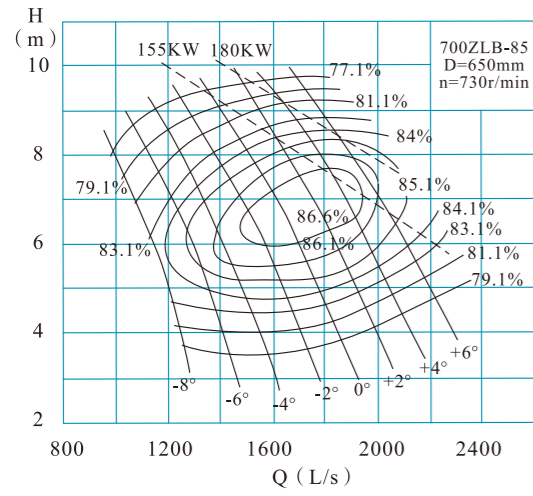
700ZLB-70* Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	4032	1120	8.30	730	79.0	115.4	JSL-12-8 155kW	650
	4518	1255	7.00		82.0	105.1		
	4842	1345	5.80		81.0	94.5		
	4205	1168	8.4		80.2	120.0		
-4°	4734	1315	7.15		83.0	111.1		
	5105	1418	5.9		81.9	100.2		
	4392	1220	8.6		80.5	127.9		
-2°	4896	1360	7.6		83.0	122.2		
	5400	1500	6		81.0	109.0		
	4644	1290	8.7		81.5	135.1		
0°	5220	1450	7.6		84.0	128.7		
	5688	1580	6.1		81.5	116.0		
	4824	1340	8.8	80.5	143.7			
+2°	5382	1495	7.7	84.0	134.4			
	5958	1655	6	81.0	120.3			
	5004	1390	9.2	81.9	153.2			
+4°	5508	1530	8.5	84.0	151.9			
	6300	1750	6.2	81.0	131.4			

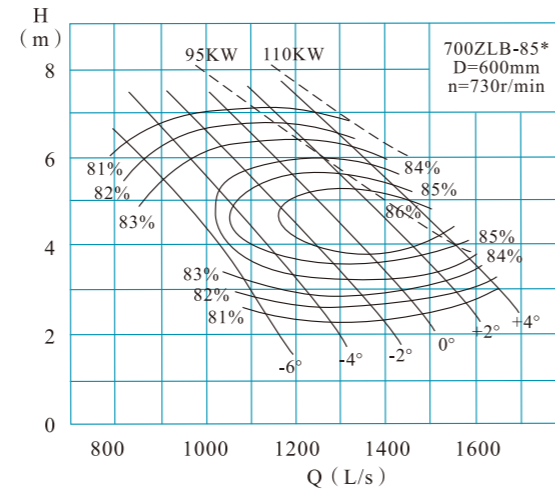
ZLB SERIES PROPELLER PUMP

ZLB Series-DN700

700ZLB-85 Performance Curve of Axial Flow Pump

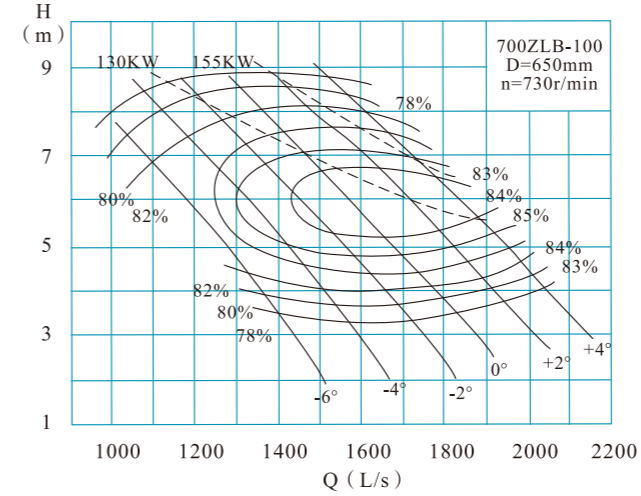


700ZLB-85* Performance Curve of Axial Flow Pump

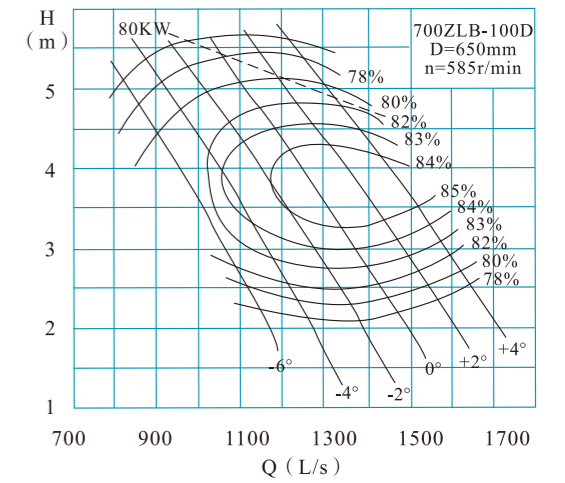


ZLB Series-DN700

700ZLB-100 Performance Curve of Axial Flow Pump



700ZLB-100D Performance Curve of Axial Flow Pump



700ZLB-85 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm		
	m ³ /h	L/s				Shaft power	Motor power			
-6°	3960	1100	8.22	730	79.1	112.1	JSL-12-8 155kW	650		
	4608	1280	6		85.1	88.5				
	5076	1410	3.7		79.1	64.7				
-4°	4249	1180	8.58		79.1	125.6				
	4932	1370	6.41		86.1	100.1				
	5544	1540	3.7		79.1	70.7				
-2°	4644	1290	8.86		79.1	141.7			JSL-13-8 180kW	
	5436	1510	6.54		86.6	111.9				
	6120	1700	3.8		79.1	80.1				
0°	5040	1400	9.08		79.1	157.7				JSL-13-8 210kW
	5700	1583	7.18		86.6	128.8				
	6624	1840	3.96		79.1	90.4				
+2°	5400	1500	9.24	79.1	171.9					
	6120	1700	7.5	86.6	144.4					
	7092	1970	4.17	79.1	101.9					
+4°	5832	1620	9.38	79.1	188.5	JSL-12-8 110kW				
	6552	1820	7.71	86.6	159.0					
	7560	2100	4.41	79.1	114.9					
+6°	6156	1710	9.43	79.1	200.0					
	6876	1910	7.95	86.1	173.0					
	7992	2220	4.7	79.1	129.4					

700ZLB-85* Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm		
	m ³ /h	L/s				Shaft power	Motor power			
-6°	2973.6	826	6.29	730	81.0	62.9	JSL-11-8 80kW	600		
	3276	910	5.37		83.0	57.8				
	4023	1117.5	2.82		82.0	37.7				
	3538.8	983	5.88		83.0	68.3				
-4°	3870	1075	4.77		85.0	59.2	JSL-12-8 95kW			
	4392	1220	3		83.0	43.3				
	3769.2	1047	6.13		83.0	75.9				
-2°	4204.8	1168	4.87		86.0	64.9			JSL-12-8 110kW	
	4680	1300	3.34		84.0	50.7				
	4075.2	1132	6.34		83.0	84.8				
0°	4496.4	1249	5.17		86.0	73.7				JSL-12-8 110kW
	5072.4	1409	3.35		84.0	55.1				
	4377.6	1216	6.4	83.0	92.0					
+2°	4827.6	1341	5.2	86.0	79.5	JSL-12-8 110kW				
	5421.6	1506	3.45	84.0	60.7					
	4712	1308	6.44	82.0	100.8					
+4°	5292	1470	5	86.0	83.8		JSL-12-8 110kW			
	5799.6	1611	3.55	83.0	67.6					

700ZLB-100 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm		
	m ³ /h	L/s				Shaft power	Motor power			
-6°	3770	1047	7.42	730	78.0	97.7	JSL-12-8 110kW	650		
	4609	1280	4.99		82.0	76.4				
	5199	1444	2.95		78.0	53.6				
	4037	1121	7.99		78.0	112.7				
-4°	5162	1434	4.90		84.0	82.0	JSL-12-8 132kW			
	5706	1585	3.09		80.0	60.1				
	4406	1224	8.23		78.0	126.7				
-2°	5623	1562	4.94		85.0	89.0			JSL-12-8 155kW	
	6212	1726	3.03		80.0	64.1				
	5190	1442	7.42		82.0	128.0				
0°	6083	1690	4.99		85.0	97.3				JSL-13-8 180kW
	6692	1859	3.15		80.0	71.8				
	5383	1495	7.97	80.0	146.1					
+2°	6452	1792	5.30	85.0	109.6	JSL-13-8 180kW				
	7199	2000	3.16	78.0	79.5					
	6166	1713	7.07	82.0	144.9					
+4°	6913	1920	5.29	85.0	117.2		JSL-12-8 115kW			
	7586	2107	3.56	78.0	94.3					

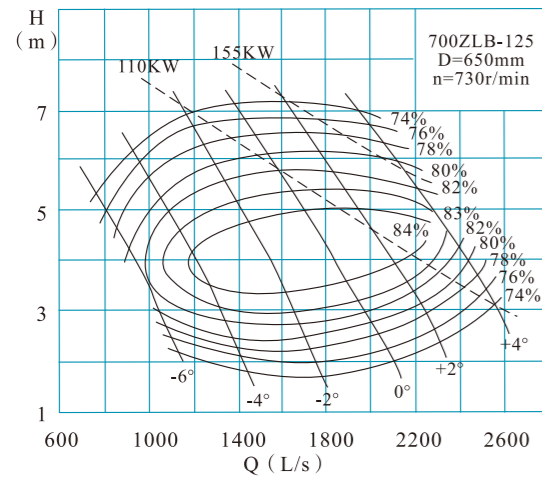
700ZLB-100D Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm		
	m ³ /h	L/s				Shaft power	Motor power			
-6°	3021	839	4.76	590	78.0	50.2	JSL-11-10 55kW	650		
	3693	1026	3.20		82.0	39.3				
	4166	1157	1.89		78.0	27.5				
	3230	897	5.13		80.0	56.4				
-4°	4172	1159	3.14		84.0	42.5	JSL-11-10 65kW			
	4572	1270	1.98		78.0	31.6				
	3368	936	5.60		78.0	65.9				
-2°	4506	1252	3.17		85.0	45.8			JSL-12-10 80kW	
	4979	1383	1.94		80.0	32.9				
	3981	1106	5.09		80.0	69.0				
0°	4875	1354	3.20		85.0	50.0				JSL-12-10 95kW
	5363	1490	2.02		80.0	36.9				
	4173	1159	5.34	78.0	77.9					
+2°	5171	1436	3.40	85.0	56.4	JSL-12-10 95kW				
	5769	1603	2.03	78.0	40.9					
	4196	1166	5.88	78.0	86.2					
+4°	5540	1539	3.40	85.0	60.4		JSL-12-10 115kW			
	6079	1689	2.29	78.0	48.6					

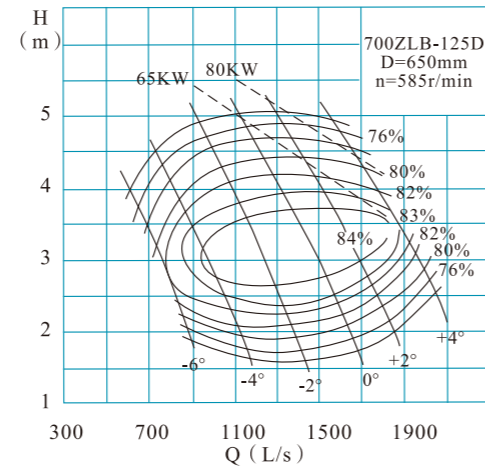
ZLB SERIES PROPELLER PUMP

ZLB Series-DN700

700ZLB-125 Performance Curve of Axial Flow Pump



700ZLB-125D Performance Curve of Axial Flow Pump



700ZLB-125 Performance Table of Type Vertical Axial Flow Pump

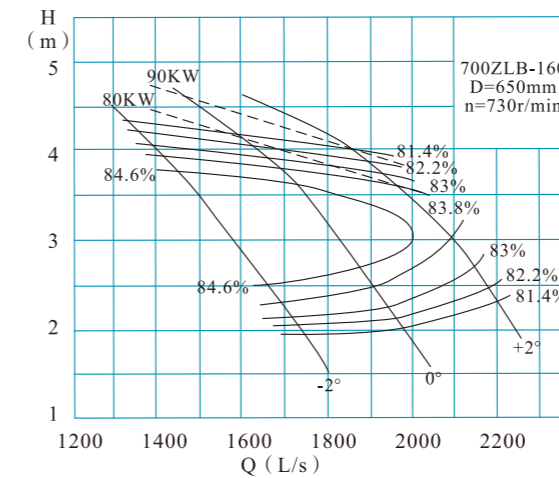
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	3398	944	6.10	730	76.0	74.3	JSL-11-8 80kW	650
	4572	1270	3.61		84.0	53.5		
	5141	1428	2.12		76.0	39.1		
-2°	4554	1265	6.20		80.0	96.2	JSL-12-8 110kW	
	5623	1562	3.74		84.9	67.5		
	6322	1756	1.93		76.0	43.7		
0°	5350	1486	6.50		78.0	121.5	JSL-12-8 130kW	
	6660	1850	4.00		85.5	84.9		
	7380	2050	2.35		76.0	62.2		
+2°	6336	1760	6.28		80.0	135.5	JSL-12-8 155kW	
	7445	2068	4.26		84.9	101.8		
	7992	2220	3.15		80.0	85.8		
+4°	8352	2320	4.81	83.0	131.9			
	8402	2334	4.17	82.0	116.4			
	8910	2475	3.73	79.0	114.6			

700ZLB-125D Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	2723	756	3.92	585	74.0	39.3	Y315S-10 45kW	650
	3664	1018	2.32		84.0	27.6		
	4120	1144	1.36		78.0	19.6		
-2°	3649	1014	3.98		79.0	50.1	JSL-11-10 55kW	
	4506	1252	2.40		84.4	34.9		
	5066	1407	1.24		76.0	22.5		
0°	4287	1191	4.17		80.0	61.0	JSL-11-10 65kW	
	5337	1483	2.57		85.0	44.0		
	5914	1643	1.51		74.0	32.9		
+2°	5077	1410	4.03		79.6	70.1	JSL-12-10 80kW	
	5966	1657	2.74		84.9	52.4		
	6405	1779	2.02		80.0	44.1		
+4°	6693	1859	3.09	83.1	67.8			
	6733	1870	2.68	83.1	59.1			
	7140	1983	2.40	79.0	59.0			

ZLB Series-DN700

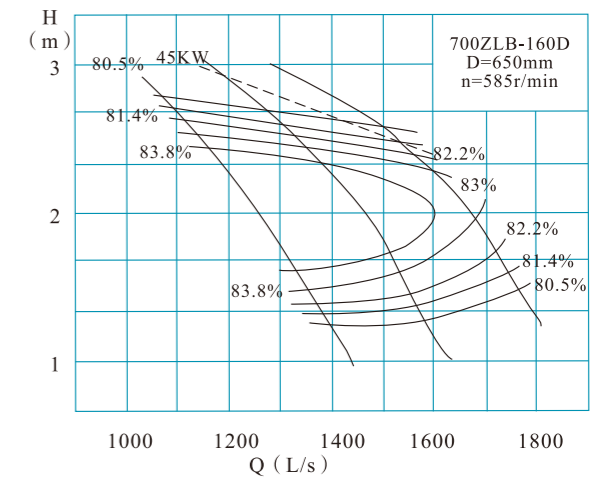
700ZLB-160 Performance Curve of Axial Flow Pump



700ZLB-160 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	4922	1367	4.30	730	81.4	70.9	JSL-11-8 80kW	650
	5715	1588	2.96		85.0	54.2		
	6295	1749	1.98		81.4	41.7		
0°	5766	1602	4.13		81.4	79.7	JSL-12-8 95kW	
	6637	1844	2.97		85.6	62.8		
	7086	1968	2.07		81.4	49.1		
+2°	6710	1864	3.95		81.4	88.7	JSL-12-8 110kW	
	7171	1992	3.50		83.8	81.6		
	7798	2166	2.46		82.2	63.6		

700ZLB-160D Performance Curve of Axial Flow Pump



700ZLB-160D Performance Table of Type Vertical Axial Flow Pump

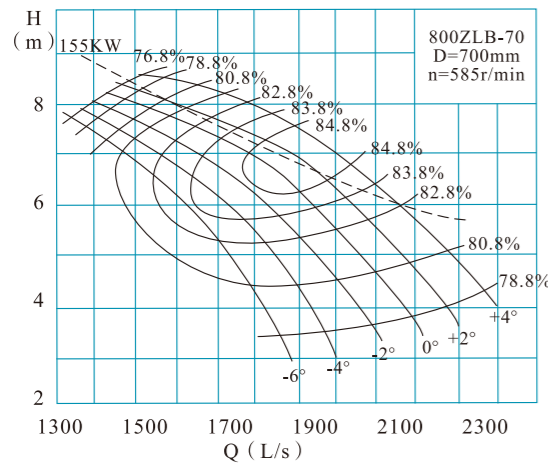
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	3911	1086	2.71	580	80.5	35.9	Y315S-10 45kW	650
	4541	1261	1.87		84.2	27.4		
	5002	1389	1.25		81.4	20.9		
0°	4581	1273	2.61		81.4	40.0	JSL-11-10 55kW	
	5273	1465	1.87		85.1	31.7		
	5630	1564	1.31		81.4	24.6		
+2°	5331	1481	2.49		80.5	45.0	JSL-11-10 55kW	
	5698	1583	2.21		83.0	41.3		
	6196	1721	1.55		81.4	32.2		

ZLB SERIES PROPELLER PUMP

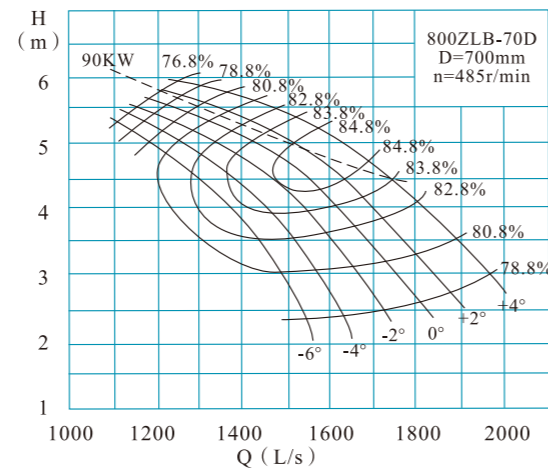
ZLB SERIES PROPELLER PUMP

ZLB Series-DN800

800ZLB-70 Performance Curve of Axial Flow Pump



800ZLB-70D Performance Curve of Axial Flow Pump



800ZLB-70 Performance Table of Type Vertical Axial Flow Pump

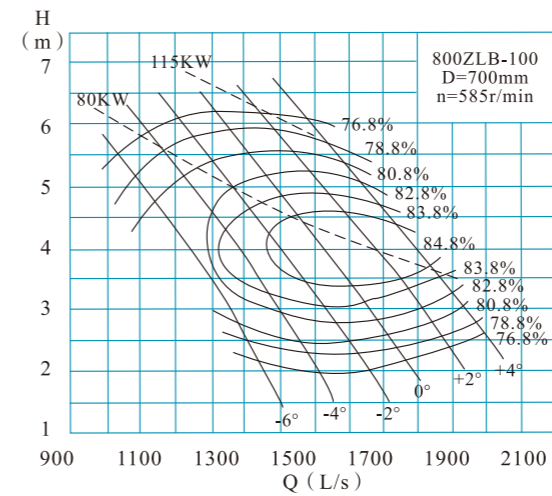
Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-6°	5100	1417	7.28	585	78.8	128.4	JSL-13 -10 155kW	700	
	5710	1586	6.20		83.1	116.1			
	6380	1772	4.43		80.8	95.3			
-4°	5065	1407	7.78		76.8	139.8			
	6000	1667	6.33		84.0	123.2			
	6810	1892	4.41		80.8	101.3			
-2°	5390	1497	7.77		78.8	144.8			
	6365	1768	6.40		84.2	131.8			
	7170	1992	4.43		80.8	107.1			
0°	5540	1539	7.98		78.8	152.9			
	6620	1839	6.70		85.8	140.9			
	7535	2093	4.61		80.8	117.1			
+2°	5645	1568	8.11		78.8	158.3			
	6830	1897	6.84		85.4	149.1			
	7790	2164	4.75		80.8	124.8			
+4°	7131	1981	7.20		84.8	165.0			JSL-13 -10 180kW
	7770	2158	5.99		82.8	153.2			
	8210	2281	5.02		80.8	139.0			

800ZLB-70D Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	4469	1241	5.34	485	78.8	82.5	90kW	700
	5277	1466	4.40		84.8	74.6		
	5944	1651	3.04		80.8	61.0		
0°	4593	1276	5.48		78.8	87.1	100kW	
	5488	1525	4.61		85.8	80.3		
	6247	1735	3.17		78.8	68.5		
+2°	4680	1300	5.57		78.8	90.2	110kW	
	5662	1573	4.70		85.4	84.9		
	6458	1794	3.26		80.8	71.1		
+4°	5912	1642	4.95		80.8	98.7	110kW	
	6442	1789	4.12		84.8	85.2		
	6807	1891	3.45		80.8	79.2		

ZLB Series-DN800

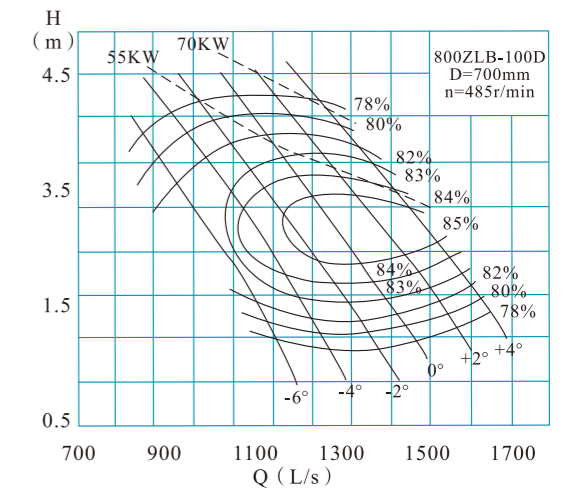
800ZLB-100 Performance Curve of Axial Flow Pump



800ZLB-100 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	4260	1183	5.58	585	78.8	82.2	JSL-12 -10 95kW	700
	5170	1436	3.63		83.9	61.0		
	5710	1586	2.3		78.8	45.4		
-2°	4590	1275	5.78		78.8	91.7	JSL-12 -10 115kW	
	5350	1486	4.25		84.8	73.1		
	6220	1728	2.24		78.8	48.2		
0°	4970	1381	5.91		78.8	101.6	JSL-12 -10 130kW	
	6090	1692	3.74		85.1	72.9		
	6700	1861	2.35		78.8	54.4		
+2°	5390	1497	5.94		78.8	110.7	JSL-12 -10 130kW	
	6460	1794	3.95		85.1	81.7		
	7120	1978	2.57		78.8	63.3		
+4°	6000	1667	5.63		78.8	116.8	JSL-12 -10 130kW	
	6920	1922	3.94		85	87.4		
	7510	2086	2.83		78.8	73.5		

800ZLB-100D Performance Curve of Axial Flow Pump



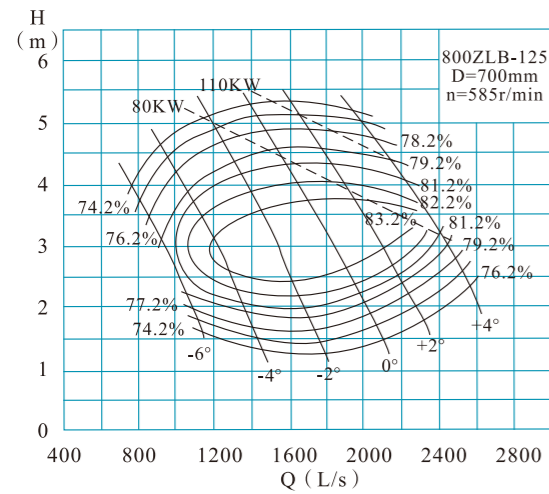
800ZLB-100D Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	3532	981	3.84	485	79	46.7	55kW	700
	4286	1191	2.50		83.8	34.8		
	4734	1315	1.58		77	26.5		
-2°	3805	1057	3.97		79	52.1	55kW	
	4435	1232	2.92		84.8	41.6		
	5157	1432	1.54		77	28.1		
0°	4120	1145	4.06		79	57.7	65kW	
	5049	1402	2.57		85.1	41.6		
	5555	1543	1.62		77	31.8		
+2°	4469	1241	4.08		77	64.6	75kW	
	5356	1488	2.71		85.1	46.6		
	5903	1640	1.77		77	36.9		
+4°	4974	1382	3.87		77	68.1	75kW	
	5737	1594	2.71		85	49.8		
	6226	1730	1.95		77	42.9		

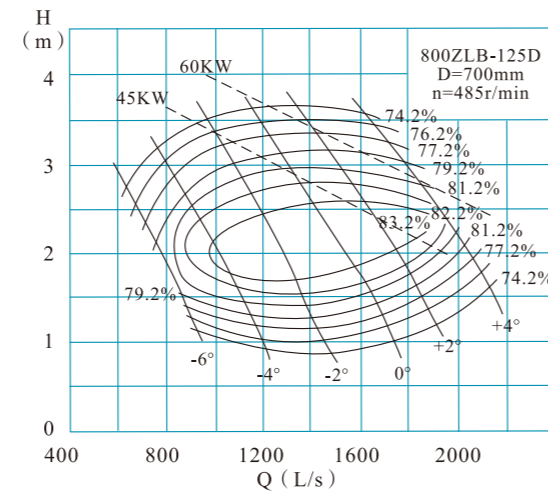
ZLB SERIES PROPELLER PUMP

ZLB Series-DN800

800ZLB-125 Performance Curve of Axial Flow Pump



800ZLB-125D Performance Curve of Axial Flow Pump



800ZLB-125 Performance Table of Type Vertical Axial Flow Pump

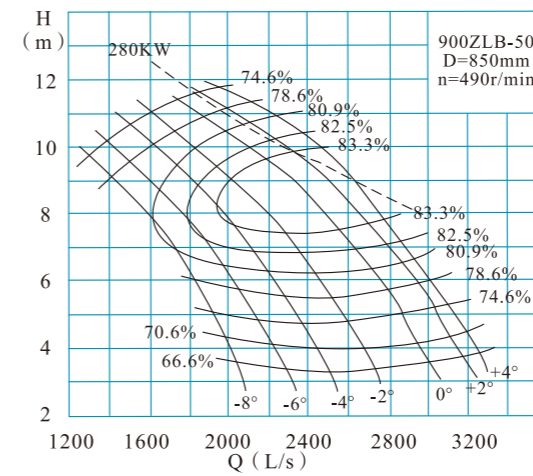
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	2797	777	3.93	585	76	39.4	JSL-11-10 45kW	700
	3582	995	2.59		82.2	30.8		
	3744	1040	2.26		81	28.5		
-4°	3258	905	4.70		74.4	56.1	JSL-11-10 65kW	
	4572	1270	2.69		84	39.9		
	5033	1398	1.77		79.7	30.5		
-2°	4687	1302	4.41		80.6	69.9	JSL-12-10 80kW	
	5641	1567	2.78		84	50.9		
	6005	1668	2.08		82	41.5		
0°	5742	1595	4.31		81.5	82.7	95kW	
	6606	1835	3.04		84	65.1		
	7290	2025	1.93		80	47.9		
+2°	6325	1757	4.68	80	100.8	115kW		
	7452	2070	3.17	84	76.6			
	8017	2227	2.32	80	63.4			
+4°	7848	2180	4.25	81	112.2	132kW		
	8417	2338	3.51	83	97.0			
	9035	2510	2.65	81	80.5			

800ZLB-125D Performance Table of Type Vertical Axial Flow Pump

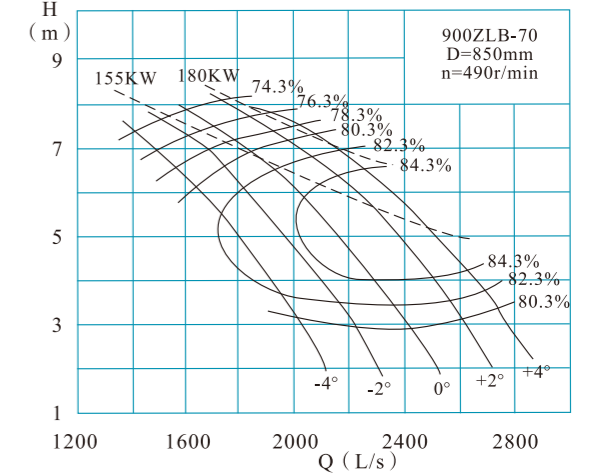
Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	2319	644	2.70	485	70.5	24.2	30kW	700
	2970	825	1.78		81.5	17.7		
	3104	862	1.55		79.8	16.5		
	2701	750	3.23		74	32.1		
-4°	3790	1053	1.85		84	22.7	40kW	
	4173	1159	1.22		78.5	17.6		
	3886	1079	3.03		74	43.4		
-2°	4677	1299	1.91		84	29.0	55kW	
	4979	1383	1.43		81.5	23.8		
	4760	1322	2.96		81	47.4		
0°	5477	1521	2.09		84	37.1	65kW	
	6044	1679	1.33		78.5	27.8		
	5244	1457	3.22	79	58.2			
+2°	6178	1716	2.18	84	43.7	75kW		
	6647	1846	1.59	79.6	36.3			
	6506	1807	2.92	80	64.7			
+4°	6978	1938	2.41	82.4	55.7	75kW		
	7491	2081	1.82	80	46.5			

ZLB Series-DN900

900ZLB-50 Performance Curve of Axial Flow Pump



900ZLB-70 Performance Curve of Axial Flow Pump



900ZLB-50 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-8°	5161	1434	9.65	490	74.6	181.9	JSL-14-12 280kW (380V) 或 JSL-15-12 280kW (6kV)	850	
	6472	1798	7.82		81.0	170.3			
	7596	2110	4.58		70.6	134.3			
	5659	1572	9.77		75.0	200.9			
-6°	7139	1983	7.82		82.8	183.7			JSL-14-12 280kW (380V) 或 JSL-15-12 280kW (6kV)
	8578	2383	3.83		66.6	134.4			
	5638	1566	10.31		74.6	212.3			
-4°	7761	2156	8.06		84.0	202.9			JSL-14-12 280kW (380V) 或 JSL-15-12 280kW (6kV)
	9187	2552	4.37		70.6	155.0			
	6558	1822	10.24		78.5	233.1			
-2°	7995	2221	8.3		84.0	215.3			JSL-14-12 280kW (380V) 或 JSL-15-12 280kW (6kV)
	10038	2788	3.91		67.0	159.6			
	7457	2071	10.19	80.9	256.0				
0°	8882	2467	8.34	84.2	239.7	JSL-14-12 280kW (380V) 或 JSL-15-12 280kW (6kV)			
	10570	2936	4.42	70.6	180.3				
	7402	2056	10.9	78.5	280.1				
+2°	9350	2597	8.55	84.0	259.3	JSL-15-12 330kW			
	11357	3155	4.02	66.6	186.8				
	7859	2183	11.2	78.5	305.5				
+4°	9830	2731	8.79	84.0	280.3	JSL-15-12 330kW			
	11774	3271	4.88	70.6	221.8				

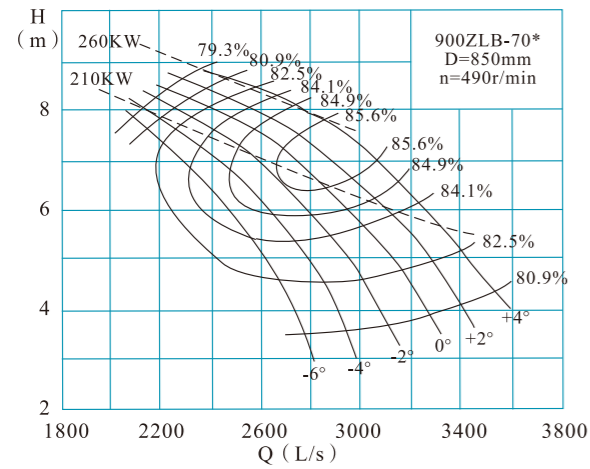
900ZLB-70 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-4°	4500	1250	8.06	490	74.0	133.6	JSL-14-12 155kW	850	
	5800	1611	5.98		82.3	114.8			
	6770	1881	3.72		81.4	84.3			
-2°	5190	1442	7.82		77.5	142.7			JSL-14-12 155kW
	6620	1839	5.49		82.7	119.8			
	7410	2058	4.19		77.0	109.9			
0°	6510	1808	6.41		81.8	139.0			JSL-14-12 155kW
	7200	2000	5.40		83.6	126.7			
	8250	2292	3.33		80.1	93.5			
+2°	7560	2100	5.99		84.0	146.9			JSL-14-12 180kW
	8420	2339	4.70		84.4	127.8			
	8790	2442	4.00		84.0	114.1			
+4°	7740	2150	6.50	82.7	165.8	JSL-14-12 180kW			
	8650	2403	5.33	85.3	147.3				
	9300	2583	4.27	84.8	127.6				

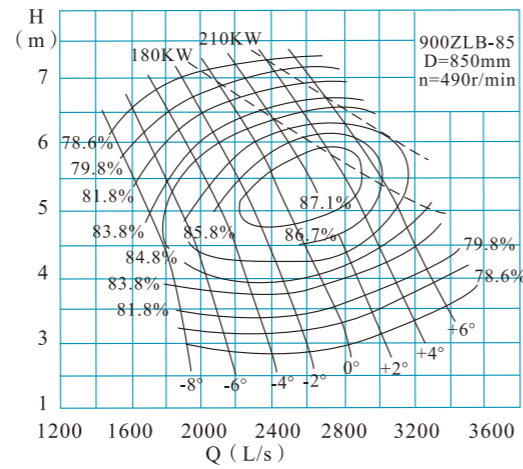
ZLB SERIES PROPELLER PUMP

ZLB Series-DN900

900ZLB-70*Performance Curve of Axial Flow Pump

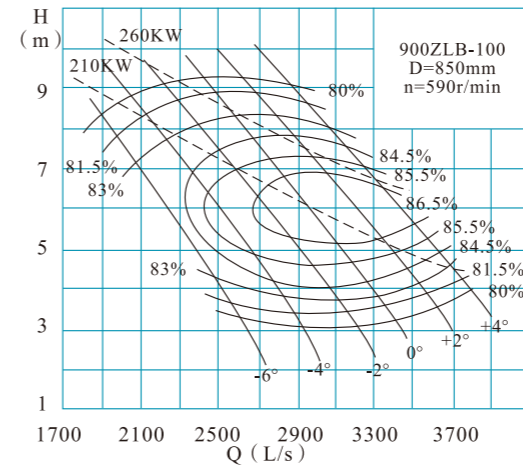


900ZLB-85Performance Curve of Axial Flow Pump

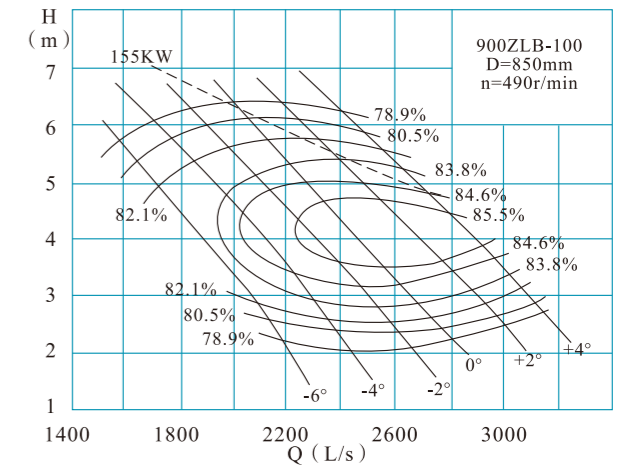


ZLB Series-DN900

900ZLB-100Performance Curve of Axial Flow Pump



900ZLB-100DPerformance Curve of Axial Flow Pump



900ZLB-70*Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm		
	m ³ /h	L/s				Shaft power	Motor power			
-6°	7637	2121	7.80	490	81.0	200.4	JSL-14-12 210kW	850		
	8300	2306	6.80		84.1	182.9				
	9996	2777	3.50		81.0	117.7				
-4°	7858	2183	7.80		81.0	206.2				
	8840	2456	6.70		84.9	190.1				
	10667	2963	3.60		81.0	129.2				
-2°	8080	2244	8.40		81.0	228.3			JSL-14-12 280kW (380V) 或 JSL-15-12 280kW (6kV)	850
	9028	2508	7.20		84.9	208.6				
	11214	3115	3.70		81.0	139.6				
0°	8300	2306	8.30		81.0	231.8				
	10080	2800	6.80		85.6	218.2				
	11753	3265	3.90		81.0	154.2				
+2°	8480	2356	8.40	81.0	239.6					
	10512	2920	6.70	85.6	224.2					
	12154	3376	4.10	81.0	167.6					
+4°	8945	2485	8.70	81.0	261.8					
	11268	3130	6.70	85.0	242.0					
	12790	3553	4.40	81.0	189.3					

900ZLB-85Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm		
	m ³ /h	L/s				Shaft power	Motor power			
-4°	6232	1731	6.84	490	78.9	147.2	JSL-14-12 155kW	850		
	7690	2136	4.75		86.9	114.5				
	8640	2400	2.85		78.9	85.0				
-2°	7643	2123	5.99		84.9	146.9				
	8276	2299	5.00		87.4	129.0				
	9418	2616	2.91		78.9	94.7				
0°	7787	2163	6.67		82.9	170.7			JSL-14-12 180kW	850
	8856	2460	5.24		87.4	144.7				
	10181	2828	3.03		78.9	106.5				
+2°	7909	2197	7.21		78.9	196.9				
	9425	2618	5.50		87.4	161.6				
	10879	3022	3.17		78.9	119.1				
+4°	8929	2480	6.92	82.9	203.1	JSL-14-12 210kW	850			
	10080	2800	5.58	87.4	175.4					
	11549	3208	3.35	78.9	133.6					

900ZLB-100Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm		
	m ³ /h	L/s				Shaft power	Motor power			
-6°	7416	2060	6.75	590	81.5	167.4	JSL-13-10 200kW	850		
	8316	2310	5.50		84.0	148.4				
	8856	2460	4.00		82.0	117.7				
	8208	2280	7.00		83.0	188.6				
-4°	9306	2585	5.50		84.5	165.1				
	9792	2720	4.00		81.5	131.0				
	8686	2413	7.50		82.5	215.2				
-2°	9756	2710	5.75		85.0	179.8			JSL-14-10 260kW	850
	10650	2958	4.00		82.0	141.6				
	9720	2700	7.25		83.5	230.0				
0°	10728	2980	5.50		85.0	189.2				
	11448	3180	4.50		83.5	168.1				
	10818	3005	6.80	84.5	237.2					
+2°	11412	3170	5.75	85.0	210.4					
	12168	3380	4.50	83.5	178.7					
	12168	3380	5.90	85.0	230.2					
+4°	12870	3575	4.80	83.5	201.6					
	13835	3843	3.50	82.0	160.9					

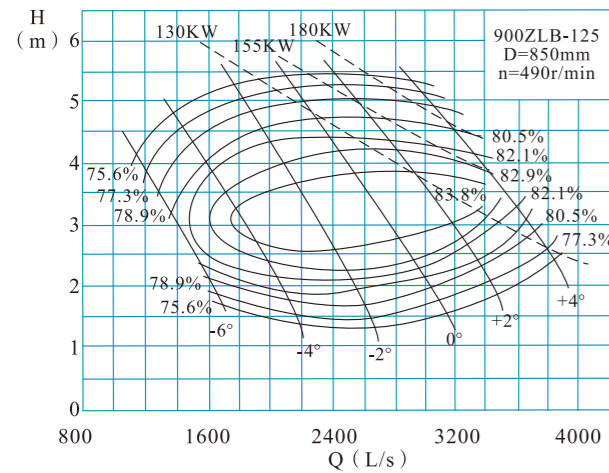
900ZLB-100DPerformance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm		
	m ³ /h	L/s				Shaft power	Motor power			
-6°	5868	1630	5.00	490	80.0	99.9	JSL-14-12 155kW	850		
	6894	1915	3.50		82.5	79.7				
	7596	2110	2.25		79.0	59.0				
	6660	1850	5.00		80.5	112.7				
-4°	7488	2080	3.75		84.0	91.1				
	8388	2330	2.25		80.0	64.3				
	7578	2105	4.60		83.5	113.8				
-2°	8028	2230	3.90		85.0	100.4			JSL-14-12 180kW	850
	9072	2520	2.25		80.0	69.5				
	7560	2100	5.50		80.5	140.8				
0°	8658	2405	4.00		85.0	111.0				
	9684	2690	2.50		80.9	81.5				
	8460	2350	5.20	82.0	146.2					
+2°	9378	2605	4.00	85.0	120.3					
	10244	2846	2.80	81.5	95.9					
	9468	2630	4.75	84.0	145.9					
+4°	10080	2800	4.00	85.0	129.3					
	10818	3005	3.00	81.8	108.1					

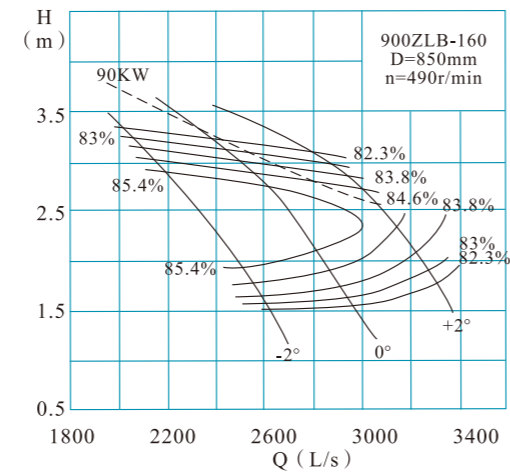
ZLB SERIES PROPELLER PUMP

ZLB Series-DN900

900ZLB-125 Performance Curve of Axial Flow Pump



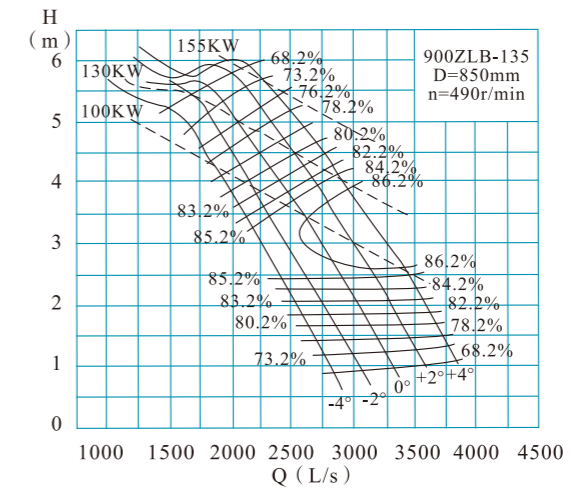
900ZLB-160 Performance Curve of Axial Flow Pump



ZLB SERIES PROPELLER PUMP

ZLB Series-DN900

900ZLB-135 Performance Curve of Axial Flow Pump



900ZLB-125 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	4565	1268	3.62	490	78.9	57.1	Y335M-12 90kW	850
	5504	1529	2.57		82.1	46.9		
	5645	1568	2.29		80.5	43.8		
-4°	5616	1560	4.12		80.5	78.3		
	6998	1944	2.57		83.8	58.5		
	7333	2037	2.16		82.1	52.6		
-2°	6974	1937	4.62		80.5	109.1	JSL-13-12 130kW	
	8687	2413	2.57		83.8	72.6		
	9022	2506	2.12		82.1	63.5		
0°	8935	2482	4.13		82.9	121.3		
	10030	2786	3.17		85.0	101.9		
	10652	2959	2.35		82.1	83.1		
+2°	10264	2851	4.16	82.9	140.4	JSL-14-12 155kW		
	11428	3174	2.99	83.8	111.1			
	11786	3274	2.57	82.1	100.5			
+4°	12064	3351	4.13	82.1	165.4	JSL-14-12 180kW		
	12672	3520	3.55	82.9	147.9			
	13808	3836	2.43	75.6	120.9			

900ZLB-160 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	7315	2032	3.25	490	82.3	78.7	JSL-13-12 130kW	850
	8492	2359	2.24		85.7	60.5		
	9234	2565	1.57		83.0	47.6		
0°	8568	2380	3.12		82.3	88.5		
	9850	2736	2.25		86.5	69.8		
	10476	2910	1.63		83.0	56.1		
+2°	9968	2769	3.00		82.3	99.0		
	10656	2960	2.64		84.5	90.7		
	11462	3184	2.01		83.0	75.6		

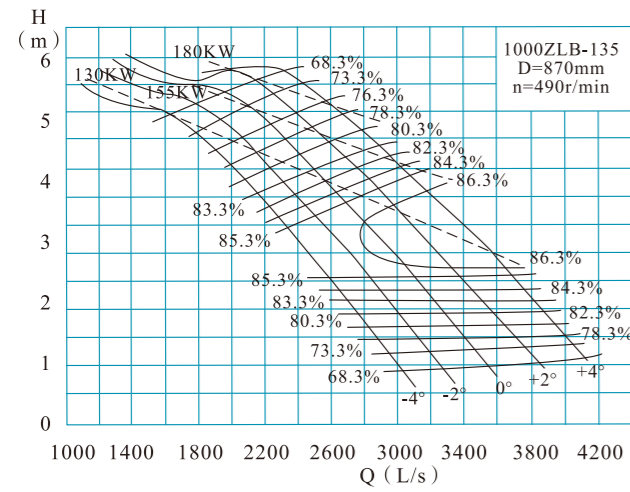
900ZLB-135 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	5868	1630	4.96	490	73.2	108.3	JSL-13-12 130kW	850
	7848	2180	3.31		85.2	83.1		
	9936	2760	1.11		73.2	41.1		
-2°	6876	1910	4.86		76.2	119.5		
	8424	2340	3.55		85.2	95.6		
	10836	3010	1.13		73.2	45.6		
0°	6912	1920	5.41		73.2	139.2	JSL-14-12 155kW	
	9396	2610	3.45		86.2	102.5		
	11772	3270	1.18		73.2	51.7		
+2°	8784	2440	4.74		80.2	141.5		
	10300	2861	3.50		86.2	114.0		
	12780	3550	1.20		73.2	57.1		
+4°	8064	2240	5.40	76.2	155.7	JSL-14-12 180kW		
	11268	3130	3.50	86.2	124.7			
	13428	3730	1.53	78.2	71.6			

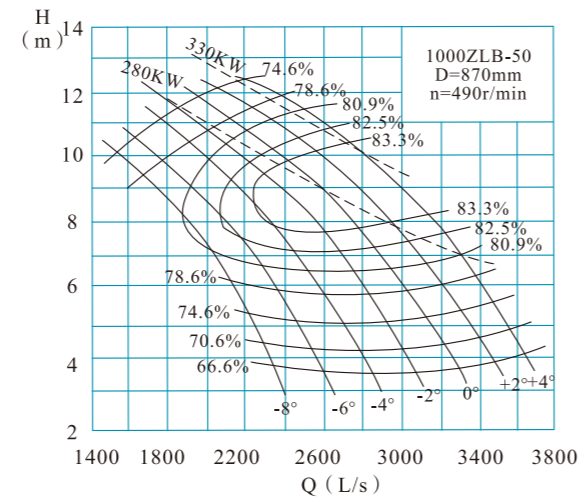
ZLB SERIES PROPELLER PUMP

ZLB Series-DN1000

1000ZLB-135 Performance Curve of Axial Flow Pump

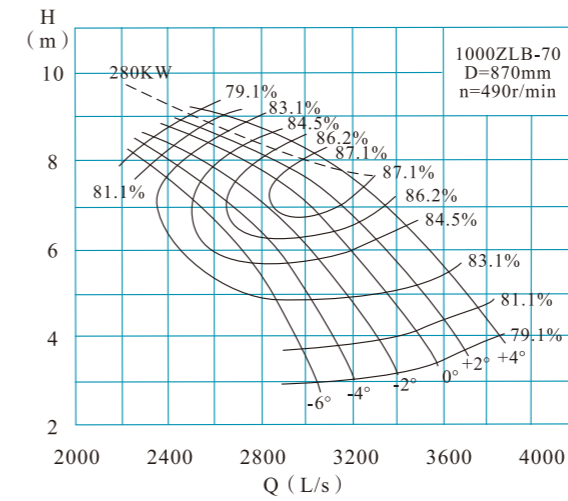


1000ZLB-50 Performance Curve of Axial Flow Pump

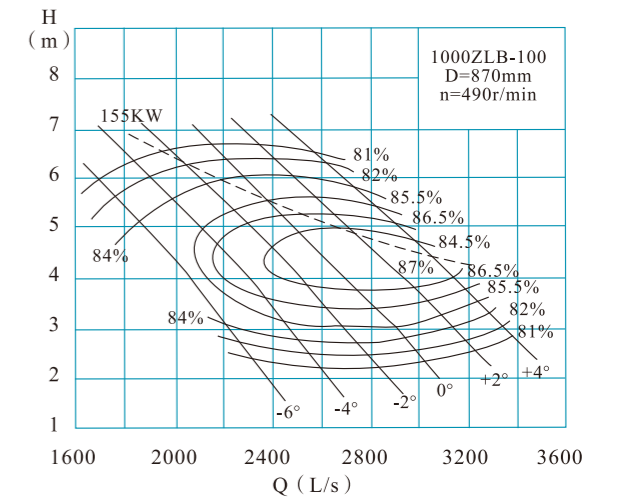


ZLB Series-DN1000

1000ZLB-70 Performance Curve of Axial Flow Pump



1000ZLB-100 Performance Curve of Axial Flow Pump



1000ZLB-135 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-4°	6292	1748	5.20	490	76.2	116.9	JSL-13-12 130kW	870	
	8415	2338	3.47		85.3	93.2			
	10654	2959	1.16		73.2	46.1			
	7373	2048	5.09		73.3	139.6			
-2°	9033	2509	3.72		85.2	107.4			
	11619	3228	1.18		73.2	51.2			
	7411	2059	5.67		80.3	142.5			
0°	10075	2799	3.61		86.3	115.0			JSL-14-12 155kW
	12623	3506	1.24		73.3	58.0			
	9419	2616	4.97		78.3	162.8			
+2°	11044	3068	3.67		86.3	127.9			JSL-14-12 180kW
	13704	3807	1.26		78.2	60.0			
	8647	2402	5.66	82.3	162.0				
+4°	12082	3356	3.67	86.3	139.9	JSL-14-12 180kW			
	14398	4000	1.60	82.3	76.4				

1000ZLB-50 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-6°	5786	1607	10.49	490	74.6	221.8	JSL-14-12 280kW	870	
	7655	2127	8.19		82.8	206.3			
	8530	2370	6.20		78.5	183.5			
-4°	6046	1679	10.79		74.6	238.4			
	8215	2282	8.46		84.0	225.4			
	9042	2512	6.81		80.9	207.4			
-2°	7032	1953	10.73		78.5	261.8			
	8796	2443	8.76		84.0	250.0			
	9806	2724	6.76		80.9	223.3			
0°	7462	2073	11.07		78.5	286.6			JSL-15-12 330kW (6kV)
	9524	2646	8.74		84.2	269.4			
	10503	2918	6.83		80.9	241.6			
+2°	7937	2205	11.42	78.5	314.5	JSL-15-12 330kW (6kV)			
	10026	2785	8.95	84.0	291.1				
	11112	3087	6.96	80.9	260.5				
+4°	10540	2928	9.24	84.0	315.9	JSL-15-12 330kW (6kV)			
	11230	3120	8.11	84.3	294.4				
	11705	3251	7.20	80.9	283.8				

1000ZLB-70 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	7848	2180	8.26	485	79.1	223.3	JSL-14-12 280kW	870
	9108	2530	6.79		84.5	199.4		
	10080	2800	5.00		83.1	165.3		
	8064	2240	8.52		79.1	236.7		
-4°	9540	2650	6.93		86.2	209.0		
	10584	2940	5.00		83.1	173.5		
	8280	2300	8.73		79.1	249.0		
-2°	10116	2810	7.00		86.2	223.9		
	11340	3150	5.00		83.1	185.9		
	8820	2450	8.73		81.1	258.7		
0°	10548	2930	7.33		87.1	241.9		
	12024	3340	5.00		83.0	197.4		
	9288	2580	8.73	82.1	269.1			
+2°	10872	3020	7.49	87.1	254.8			
	12528	3480	5.00	82.5	206.9			
	10260	2850	8.73	84.5	288.8			
+4°	11340	3150	7.88	87.1	279.6			
	13356	3710	5.00	81.5	223.3			

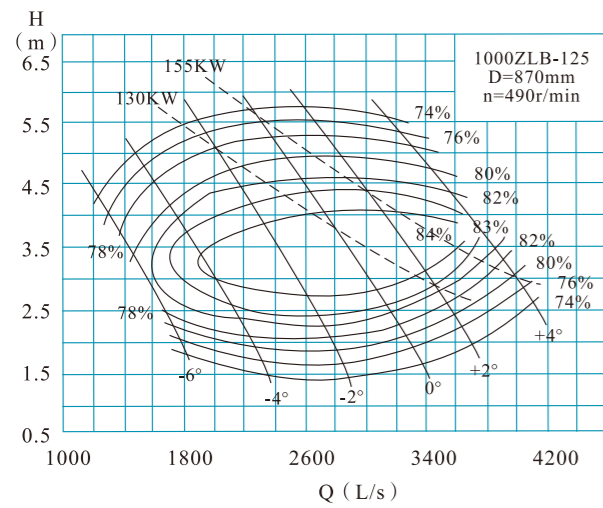
1000ZLB-100 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	6782	1884	5.93	490	82.0	133.6	JSL-14-12 155kW	870
	8136	2260	4.00		86.5	102.5		
	9223	2562	2.22		81.0	68.9		
	7956	2210	5.29		85.5	134.1		
-2°	8892	2470	4.00		87.0	111.4		
	9896	2749	2.38		82.0	78.3		
	7920	2200	6.27		82.0	165.0		
0°	9548	2652	4.00		87.0	119.6		
	10645	2957	2.50		82.0	88.4		
	9191	2553	5.57		85.5	163.2		
+2°	10426	2896	4.00		87.0	130.6		
	11470	3186	2.50		81.0	96.5		
	10379	2883	5.00	86.5	163.5			
+4°	11218	3116	4.00	87.0	140.5			
	11952	3320	3.00	81.0	120.6			

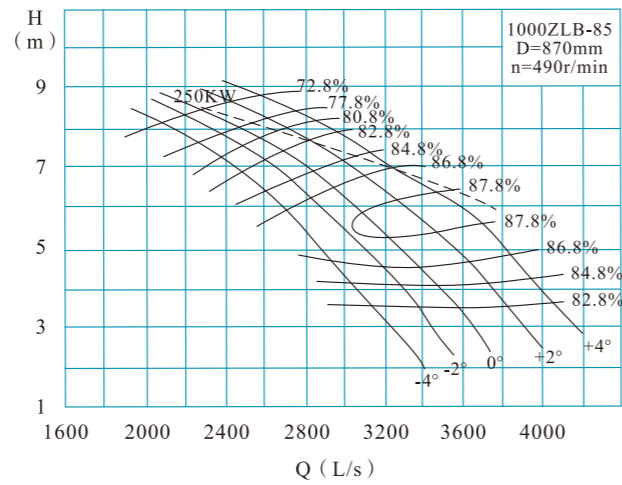
ZLB SERIES PROPELLER PUMP

ZLB Series-DN1000

1000ZLB-125 Performance Curve of Axial Flow Pump



1000ZLB-85 Performance Curve of Axial Flow Pump



1000ZLB-125 Performance Table of Type Vertical Axial Flow Pump

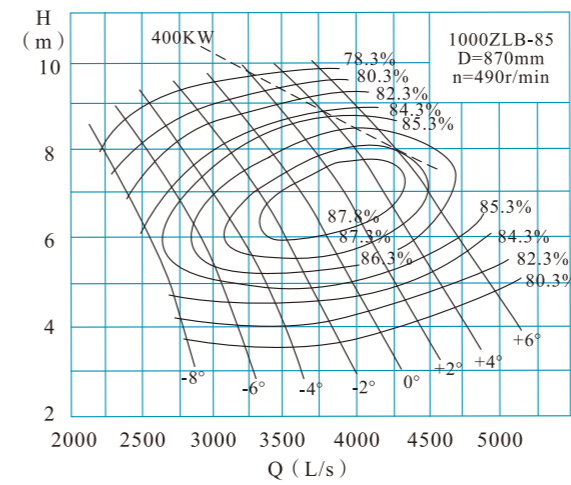
Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	4910	1364	3.79	490	78.0	65.0	75kW	870
	5584	1551	3.00		82.0	55.7		
	6221	1728	2.19		78.0	47.6		
-4°	5796	1610	4.59		78.0	92.9	JSL-13 -12 100kW	
	7200	2000	3.17		84.0	74.0		
	8028	2230	2.02		80.0	55.2		
-2°	7528	2091	4.84		80.0	124.1	JSL-13 -12 130kW	
	8964	2490	3.18		84.0	92.5		
	9864	2740	1.97		80.0	66.2		
0°	8953	2487	5.00		80.0	152.5	JSL-14 -12 155kW	
	10754	2987	3.32		85.0	114.5		
	11628	3230	2.21		80.0	87.5		
+2°	10325	2868	4.96	80.0	174.4	JSL-14 -12 180kW		
	11934	3315	3.44	84.0	133.2			
	12888	3580	2.52	80.0	110.6			
+4°	12456	3460	4.75	80.0	201.5	JSL-14 -12 210kW		
	13554	3765	3.80	83.0	169.1			
	14148	3930	3.22	80.0	155.2			

1000ZLB-85 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	8449	2347	7.35	490	80.8	209.4	JSL14 -12 250kW	870
	9648	2680	6.07		86.8	183.9		
	11354	3154	3.47		82.8	129.7		
-2°	8456	2349	7.97		77.8	236.1	JSL14 -12 280kW	
	10883	3023	5.38		86.8	183.8		
	12125	3368	3.41		82.8	136.1		
0°	8903	2473	8.17		77.8	254.8	JSL14 -12 280kW	
	11520	3200	5.50		87.8	196.6		
	12805	3557	3.43		82.8	144.5		
+2°	9850	2736	8.07		80.8	268.1	JSL15 -12 330kW (6kV)	
	12125	3368	5.76		87.8	216.8		
	13723	3812	3.46		82.8	156.3		
+4°	10397	2888	8.17	80.8	286.5	JSL15 -12 330kW (6kV)		
	13219	3672	5.46	87.8	224.0			
	14580	4050	3.53	82.8	169.4			

ZLB Series-DN1200

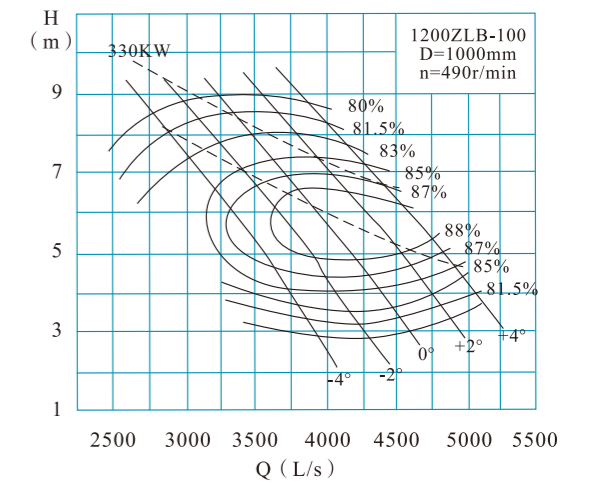
1200ZLB-85 Performance Curve of Axial Flow Pump



1200ZLB-85 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	9648	2680	8.77	490	80.3	287.1	400kW	1000
	11232	3120	6.40		86.3	227.0		
	12384	3440	3.95		80.3	166.0		
-4°	10404	2890	9.15		80.3	323.1	500kW	
	12096	3360	6.84		87.3	258.3		
	13572	3770	3.95		80.3	181.9		
-2°	11340	3150	9.45		80.3	363.7	630kW	
	13284	3690	6.97		87.8	287.4		
	14976	4160	4.05		80.3	205.8		
0°	12312	3420	9.68		80.3	404.4	630kW	
	14040	3900	7.66		87.8	333.8		
	16164	4490	4.22		80.3	231.5		
+2°	13176	3660	9.85	80.3	440.4	630kW		
	14940	4150	8.00	87.8	370.9			
	17352	4820	4.45	80.3	262.0			
+4°	14220	3950	10.00	80.3	482.6	630kW		
	16056	4460	8.22	87.8	409.6			
	18468	5130	4.70	80.3	294.6			
+6°	15084	4190	10.05	80.3	514.4	630kW		
	16848	4680	8.48	87.8	443.4			
	19512	5420	5.01	80.3	331.7			

1200ZLB-100 Performance Curve of Axial Flow Pump



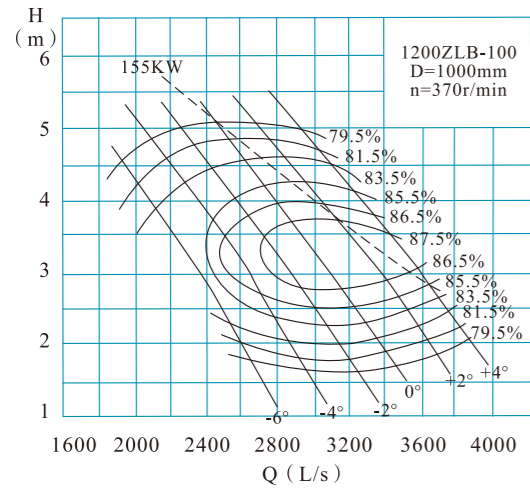
1200ZLB-100 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	11304	3140	6.43	490	85.0	233.0	JSL-14 -12 280kW	1000
	13460	3739	5.00		87.4	209.8		
	14019	3894	3.17		81.7	148.2		
-2°	11952	3320	6.84		87.0	256.1	JSL-14 -12 280kW	
	13460	3739	5.11		88.0	213.0		
	14904	4140	3.07		81.7	152.6		
0°	13865	3851	6.00		88.0	257.6	JSL-15 -12 330kW (6kV)	
	14565	4046	5.11		88.0	230.5		
	16020	4450	3.23		81.7	172.6		
+2°	13824	3840	7.21		87.0	312.2	JSL-15 -12 330kW (6kV)	
	15448	4291	5.43		88.0	259.8		
	17028	4730	3.53		81.7	200.5		
+4°	15624	4340	6.45	87.4	314.1	JSL-15 -12 330kW (6kV)		
	16552	4598	5.42	88.0	277.8			
	17964	4990	3.89	81.7	233.1			

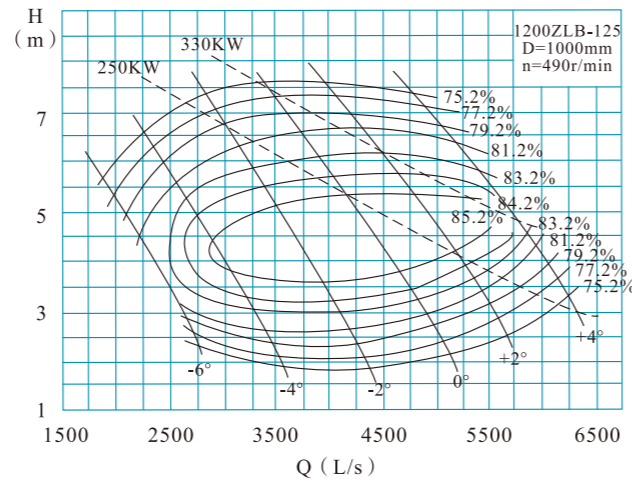
ZLB SERIES PROPELLER PUMP

ZLB Series-DN1200

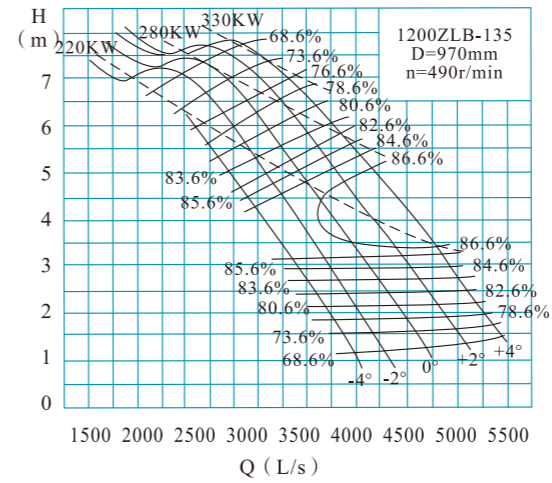
1200ZLB-100 Performance Curve of Axial Flow Pump



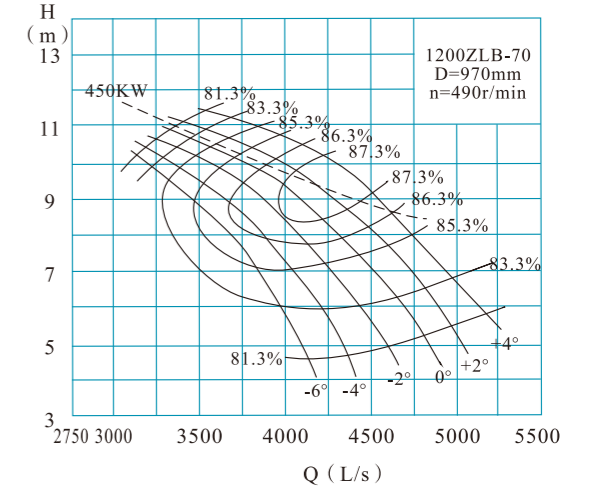
1200ZLB-125 Performance Curve of Axial Flow Pump



1200ZLB-135 Performance Curve of Axial Flow Pump



1200ZLB-70 Performance Curve of Axial Flow Pump



1200ZLB-100 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	8714	2421	3.82	370	83.5	108.6	JSL-14-16 130kW	1000
	9527	2646	2.97		84.5	91.2		
	10517	2921	1.88		80.5	66.9		
-2°	9213	2559	4.06		83.5	122.1		
	10379	2883	3.04		85.0	101.2		
	11489	3191	1.82		80.5	70.8		
0°	10650	2958	3.57		85.0	121.9		
	11228	3119	3.05		85.0	109.8		
	12349	3430	1.92		80.5	80.3		
+2°	11908	3308	3.23		85.0	123.3		
	12553	3487	2.62		84.5	106.1		
	13320	3700	1.90		79.0	87.3		

1200ZLB-125 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	10044	2790	4.95	490	83.2	162.8	JSL-14-12 180KW	1000
	11196	3110	3.84		84.2	139.1		
	12168	3380	2.67		80.2	110.4		
-2°	11880	3300	5.90		82.2	232.4		
	13860	3850	3.98		84.2	178.5		
	14976	4160	2.60		80.2	132.3		
0°	15012	4170	5.33		84.2	259.0		
	16308	4530	4.20		84.2	221.7		
	17676	4910	2.92		80.2	175.4		
+2°	17028	4730	5.50		83.2	306.7		
	18108	5030	4.54		84.2	266.1		
	19872	5520	3.08		78.2	213.3		
+4°	19656	5460	5.71	82.2	372.1			
	20592	5720	5.02	83.2	338.6			
	21852	6070	3.92	78.2	298.5			

1200ZLB-135 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	8748	2430	6.46	490	73.6	209.2	JSL-14-12 250kW	970
	11664	3240	4.31		85.6	160.0		
	14760	4100	1.45		73.6	79.2		
-2°	9505	2640	6.79		73.6	239.0		
	8424	2340	3.17		85.6	85.0		
	10836	3010	1.47		76.6	56.7		
0°	11016	3060	6.57		73.6	268.0		
	15336	4260	3.43		86.6	165.5		
	17496	4860	1.54		76.6	95.9		
+2°	13896	3860	5.59		73.6	287.6		
	16884	4690	3.39		86.6	180.1		
	18972	5270	1.57		76.6	106.0		
+4°	12924	3590	6.71	80.6	293.2			
	18288	5080	3.44	86.6	198.0			
	19692	5470	2.22	78.6	151.6			

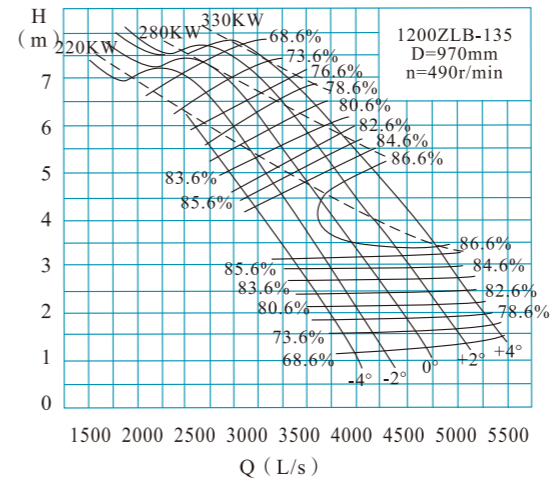
1200ZLB-70 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	10980	3050	10.17	490	79.0	385.2	YL5004-12 400kW (6kV)	970
	13284	3690	7.50		85.0	319.4		
	14868	4130	4.54		81.0	227.1		
-4°	12024	3340	9.86		83.0	389.2		
	13860	3850	7.90		86.0	346.9		
	15840	4400	4.63		81.0	246.7		
-2°	12024	3340	10.47		81.0	423.5		
	13428	3730	9.43		86.0	401.2		
	15264	4240	7.20		85.0	352.3		
0°	16668	4630	4.78		81.0	268.0		
	13320	3700	10.21		85.0	436.0		
	14760	4100	9.03		87.4	415.6		
+2°	16128	4480	7.20	84.0	376.7			
	17460	4850	5.07	81.0	297.8			
	12600	3500	10.92	81.0	462.9			
+4°	15732	4370	8.64	87.3	424.3			
	16524	4590	7.64	85.0	404.7			
	18072	5020	5.30	81.0	322.2			
+4°	13284	3690	11.29	81.0	504.6			
	16416	4560	9.19	87.3	470.9			
	17316	4810	8.07	85.0	448.0			
	19008	5280	5.13	81.0	328.0			

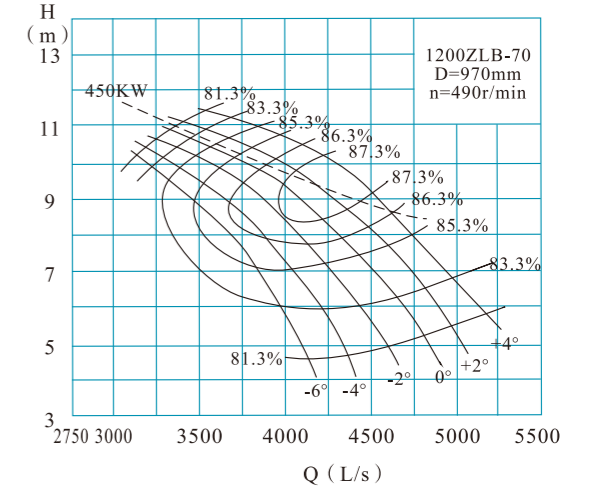
ZLB SERIES PROPELLER PUMP

ZLB Series-DN1200

1200ZLB-135 Performance Curve of Axial Flow Pump



1200ZLB-70 Performance Curve of Axial Flow Pump



1200ZLB-135 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	8748	2430	6.46	490	73.6	209.2	JSL-14-12 250kW	970
	11664	3240	4.31		85.6	160.0		
	14760	4100	1.45		73.6	79.2		
-2°	9505	2640	6.79		73.6	239.0		
	8424	2340	3.17		85.6	85.0		
	10836	3010	1.47		76.6	56.7		
0°	11016	3060	6.57		73.6	268.0		
	15336	4260	3.43		86.6	165.5		
	17496	4860	1.54		76.6	95.9		
+2°	13896	3860	5.59		73.6	287.6		
	16884	4690	3.39		86.6	180.1		
	18972	5270	1.57		76.6	106.0		
+4°	12924	3590	6.71	80.6	293.2			
	18288	5080	3.44	86.6	198.0			
	19692	5470	2.22	78.6	151.6			

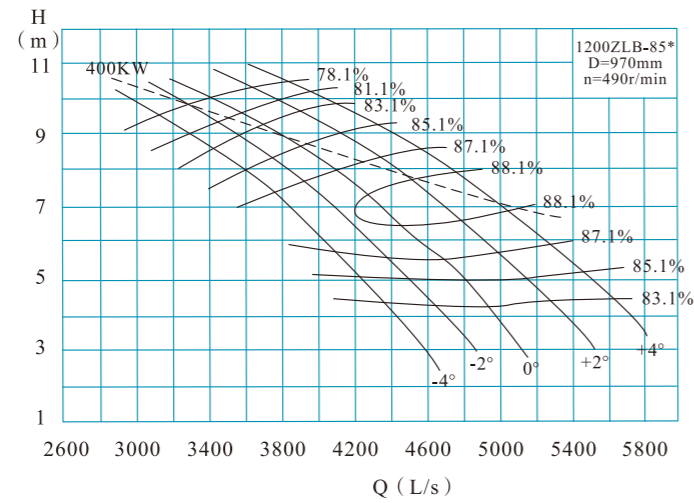
1200ZLB-70 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	10980	3050	10.17	490	79.0	385.2	YL5004-12 400kW (6kV)	970
	13284	3690	7.50		85.0	319.4		
	14868	4130	4.54		81.0	227.1		
-4°	12024	3340	9.86		83.0	389.2		
	13860	3850	7.90		86.0	346.9		
	15840	4400	4.63		81.0	246.7		
-2°	12024	3340	10.47		81.0	423.5		
	13428	3730	9.43		86.0	401.2		
	15264	4240	7.20		85.0	352.3		
0°	16668	4630	4.78		81.0	268.0		
	13320	3700	10.21		85.0	436.0		
	14760	4100	9.03		87.4	415.6		
+2°	16128	4480	7.20	84.0	376.7			
	17460	4850	5.07	81.0	297.8			
	12600	3500	10.92	81.0	462.9			
+4°	15732	4370	8.64	87.3	424.3			
	16524	4590	7.64	85.0	404.7			
	18072	5020	5.30	81.0	322.2			
+4°	13284	3690	11.29	81.0	504.6			
	16416	4560	9.19	87.3	470.9			
	17316	4810	8.07	85.0	448.0			
	19008	5280	5.13	81.0	328.0			

ZLB SERIES PROPELLER PUMP

ZLB Series-DN1200

1200ZLB-85*Performance Curve of Axial Flow Pump



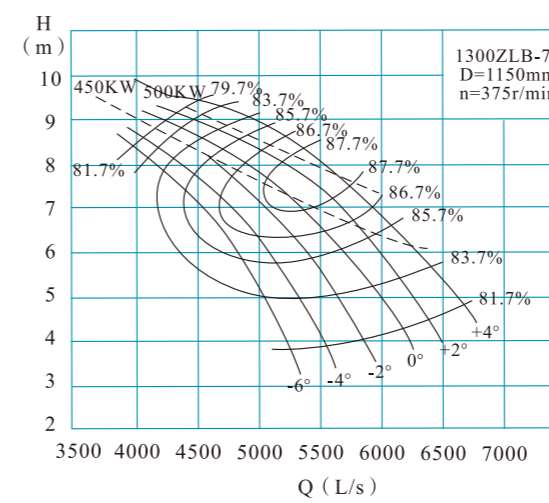
1200ZLB-85*Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	11884	3301	9.13	490	81.1	364.6	YL5004-12 400kW (6kV)	970
	13418	3727	7.55		87.1	316.9		
	15791	4386	4.31		83.1	223.2		
-2°	12871	3575	9.07		83.1	382.8		
	15133	4204	6.69		87.1	316.7		
	16860	4683	4.24		83.1	234.4		
0°	12931	3592	9.37		81.1	407.1	YL5005-12 450kW (6kV)	
	15421	4284	7.37		88.1	351.5		
	17806	4946	4.26		83.1	248.7		
+2°	14928	4147	9.01		85.1	430.7		
	16860	4683	7.16		88.1	373.4		
	19081	5300	4.30		83.1	269.1		
+4°	14928	4147	9.81	83.1	480.2	YL5601-12 500kW (6kV)		
	18382	5106	6.79	88.1	386.1			
	20274	5632	4.39	83.1	291.9			

ZLB SERIES PROPELLER PUMP

ZLB Series-DN1300

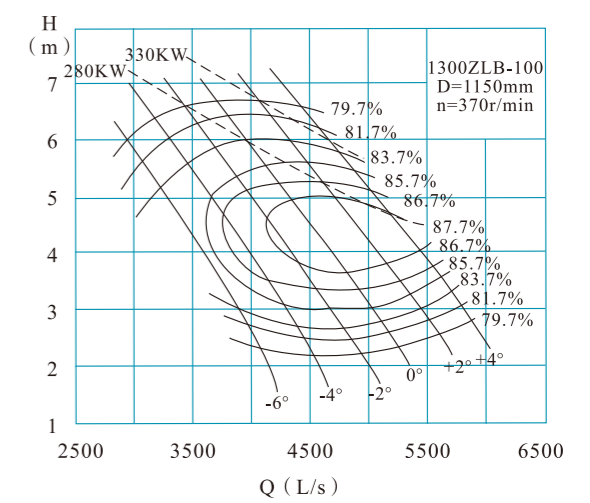
1300ZLB-70Performance Curve of Axial Flow Pump



1300ZLB-70Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-4°	14890	4136	8.39	375	80.2	424.5	440kW	1150	
	17050	4736	7.00		85.2	381.7			
	20220	5617	3.81		80.2	261.8			
	-2°	14765	4101		8.85	78.2			455.3
18095		5026	7.10		85.2	410.9			
21265		5907	3.93		80.2	284.0			
0°	15760	4378	8.85		370	80.2	473.9		TL500-16/ 1730 500kW
	18830	5231	7.43			86.2	442.3		
	22260	6183	4.18			80.2	316.2		
	+2°	17335	4815			8.57	84.2		
19405		5390	7.59			86.2	465.6		
23050		6403	4.36			80.2	341.5		
+4°	16940	4706	9.30	370		80.2	535.3	560kW	
	20270	5631	7.98			86.2	511.3		
	24255	6738	4.72			80.2	389.0		

1300ZLB-100Performance Curve of Axial Flow Pump



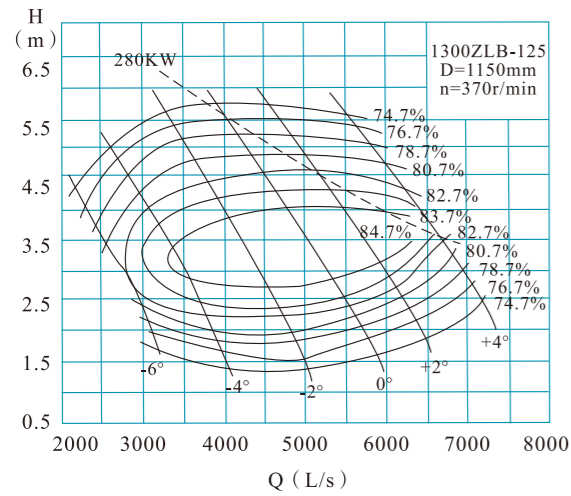
1300ZLB-100Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm			
	m ³ /h	L/s				Shaft power	Motor power				
-6°	10620	2950	5.84	370	81.6	207.1	280kW	1150			
	12312	3420	4.50		86.2	175.1					
	13896	3860	3.05		84.7	136.4					
	15300	4250	1.30		68.0	79.7					
-4°	11880	3300	6.00		370	82.5	235.4		JSL-15-16 280kW 或 YL630-16 280kW		
	13860	3850	4.50			87.0	195.4				
	14976	4160	3.25			86.2	153.9				
-2°	16992	4720	1.30			370	67.5		89.2	JSL-15-16 280kW 或 YL630-16 280kW	
	12888	3580	6.15				83.1		259.9		
	14940	4150	4.50				87.7		208.9		
0°	16524	4590	3.10				370		86.2	161.9	JSL-15-16 280kW 或 YL630-16 280kW
	18360	5100	1.30						67.0	97.1	
	14616	4060	5.84	84.7				274.6			
	16200	4500	4.50	87.7				226.5			
+2°	18360	5100	2.77	370				84.7	163.6	JSL-15-16 280kW 或 YL630-16 280kW	
	19872	5520	1.30					66.0	106.7		
	16200	4500	5.45		86.2			279.1			
+4°	17640	4900	4.50		370			87.7	246.6	JSL-15-16 280kW 或 YL630-16 280kW	
	12240	3400	3.00					84.7	118.1		
	21420	5950	1.30			65.0		116.7			
+4°	18540	5150	4.70			370		87.7	270.8	JSL-15-16 280kW 或 YL630-16 280kW	
	18792	5220	4.50					87.7	262.8		
	17100	4750	3.00				83.1	168.2			
	22860	6350	1.30				63.0	128.5			

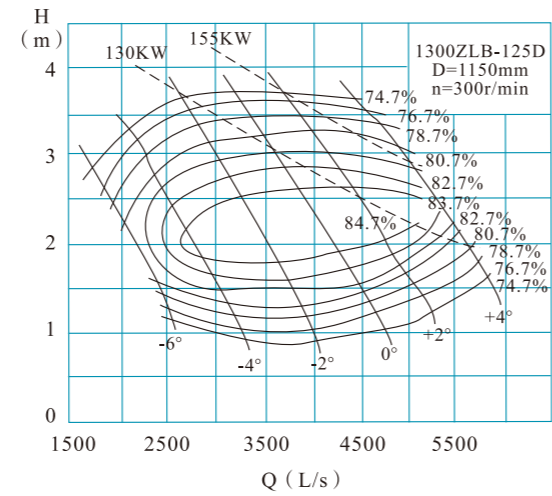
ZLB SERIES PROPELLER PUMP

ZLB Series-DN1300

1300ZLB-125 Performance Curve of Axial Flow Pump



1300ZLB-125D Performance Curve of Axial Flow Pump



1300ZLB-125 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	14328	3980	4.00	370	82.5	189.3	JSL-15-16 280kW	1150
	15012	4170	3.50		83.5	171.5		
	15782	4384	3.00		84.0	153.6		
	16740	4650	2.50		82.0	139.1		
0°	17208	4780	2.00		80.0	117.2		
	17784	4940	1.50		75.5	96.3		
	17244	4790	4.00		83.0	226.5		
+2°	18108	5030	3.50		84.5	204.4		
	19008	5280	3.00		83.5	186.1		
	19836	5510	2.50		81.0	166.8		
	20592	5720	2.00		78.0	143.9		
	21240	5900	1.50		73.5	118.1		
	19836	5510	4.00	83.2	259.9			
	20700	5750	3.50	84.0	235.0			
	21564	5990	3.00	82.5	213.7			
	22464	6240	2.50	80.0	191.3			
	23328	6480	2.00	75.0	169.5			

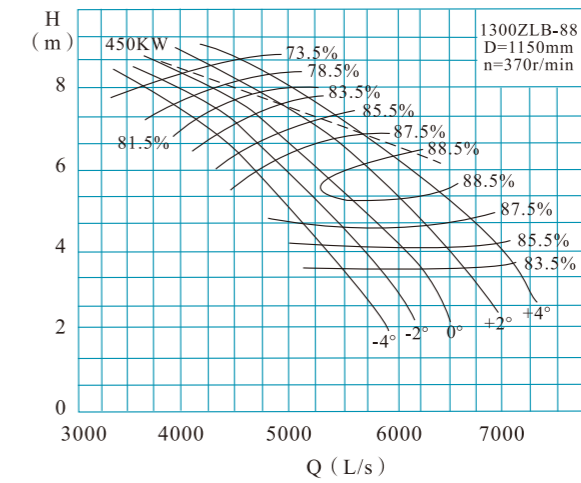
1300ZLB-125D Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-2°	10908	3030	3.00	300	80.5	110.8	JSL-12-8 130kW 皮带传动或齿轮传动	1150
	11880	3300	2.50		83.0	97.5		
	12744	3540	2.00		84.0	82.7		
	13608	3780	1.50		81.3	68.4		
	14400	4000	1.00		76.0	51.6		
	12888	3580	2.80		82.0	119.9		
0°	14292	3970	2.50		83.5	116.6		
	15300	4250	2.00		83.5	99.9		
	16344	4540	1.50		80.4	83.1		
	17208	4780	1.00		73.5	63.8		

ZLB SERIES PROPELLER PUMP

ZLB Series-DN1300

1300ZLB-88 Performance Curve of Axial Flow Pump



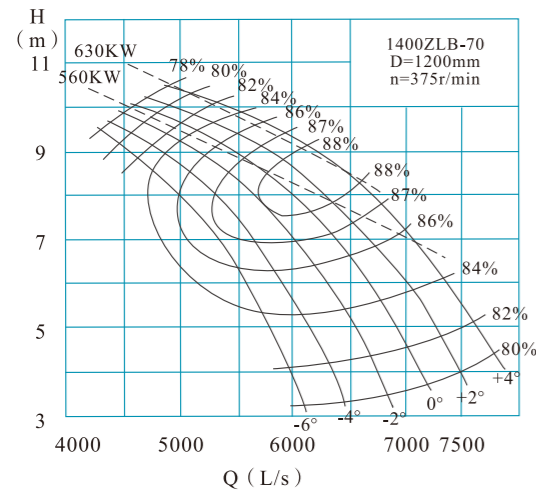
1300ZLB-88 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head m	Speed r/min	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	14954	4154	7.32	370	81.5	366.0	440kW	1150
	16884	4690	6.05		87.5	318.1		
	19870	5519	3.45		83.5	223.7		
-2°	16196	4499	7.97		83.5	421.3		
	19042	5289	5.38		87.5	319.0		
	21215	5893	3.41		83.5	236.1		
0°	16248	4513	7.80		81.5	423.7	450kW	
	19942	5539	5.50		88.5	337.7		
	22405	6224	3.42		83.5	250.1		
	17852	4959	7.71		83.5	449.2		
+2°	21215	5893	5.74		88.5	375.0		
	24010	6669	3.44		83.5	269.5		
+4°	18783	5218	7.86	83.5	481.8	500kW		
	23130	6425	5.44	88.5	387.4			
	25510	7086	3.52	83.5	293.0			

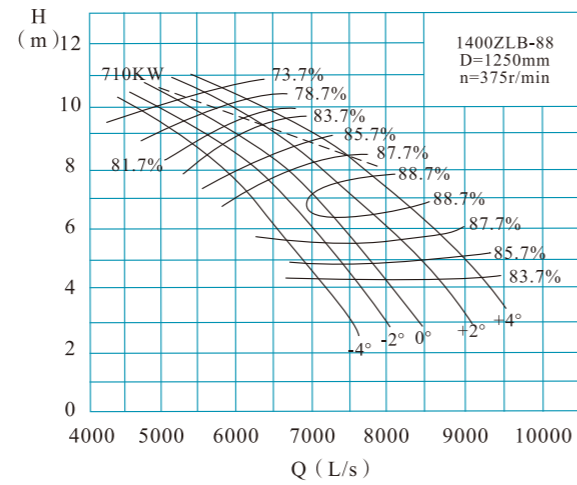
ZLB SERIES PROPELLER PUMP

ZLB Series-DN1400

1400ZLB-70 Performance Curve of Axial Flow Pump

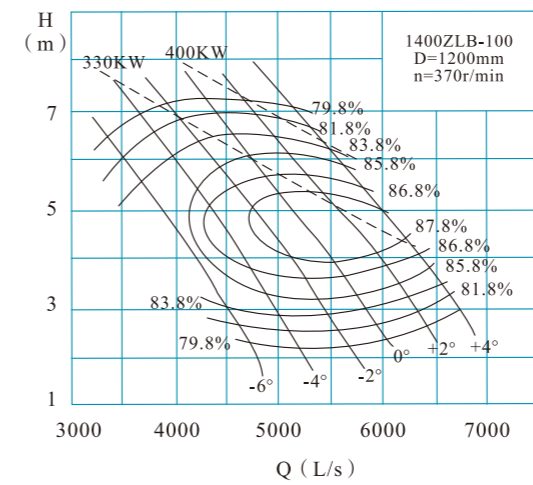


1400ZLB-88 Performance Curve of Axial Flow Pump

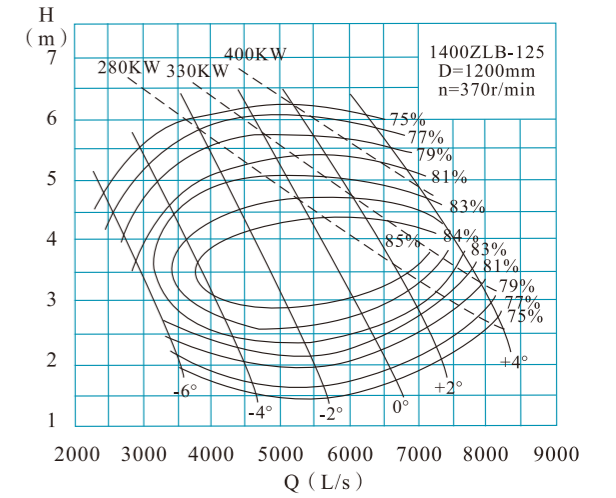


ZLB Series-DN1400

1400ZLB-100 Performance Curve of Axial Flow Pump



1400ZLB-125 Performance Curve of Axial Flow Pump



1400ZLB-70 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	15912	4420	9.12	375	80.0	494.3		1200
	18432	5120	7.49		86.0	437.4		
	21528	5980	4.07		82.0	291.2		
-4°	16920	4700	9.14		82.0	513.9		
	19368	5380	7.64		87.0	463.5		
	22968	6380	4.15		82.0	316.8		
-2°	17388	4830	9.38		82.0	542.0		
	20556	5710	7.73		87.0	497.7		
	24156	6710	4.28		82.0	343.6		
0°	17208	4780	9.84		80.0	576.8		
	21888	6080	7.70		88.0	521.9		
	22644	6290	7.19		87.0	510.0		
	25308	7030	4.55	82.0	382.7			
+2°	17568	4880	9.99	80.0	597.8			
	22032	6120	8.36	88.0	570.4			
	22968	6380	7.70	87.0	553.9			
	26172	7270	4.75	82.0	413.1			
+4°	23040	6400	8.69	88.0	620.0			
	24408	6780	7.70	86.0	595.5			
	27576	7660	5.14	82.0	471.0			

1400ZLB-88 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	19464	5407	8.88	375	81.7	576.5		1250
	21976	6104	7.34		87.7	501.2		
	25862	7184	4.19		83.7	352.8		
-2°	21080	5856	8.83		83.7	606.0		
	24784	6884	6.50		87.7	500.6		
	27613	7670	4.12		83.7	370.4		
0°	21148	5874	9.46		81.7	667.3		
	25256	7016	7.16		88.7	555.5		
	29162	8101	4.15		83.7	394.0		
+2°	22427	6230	9.75		81.7	729.3		
	27613	7670	6.97		88.7	591.3		
	31250	8681	4.18		83.7	425.3		
+4°	24448	6791	9.54	83.7	759.3			
	30105	8363	6.61	88.7	611.3			
	33209	9225	4.27	83.7	461.7			

1400ZLB-100 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	12630	3510	6.04	370	80.3	259.0		1200
	14688	4080	4.20		84.3	199.4		
	16560	4600	2.60		78.3	149.8		
-4°	14976	4160	5.51		84.3	266.7		
	16776	4660	4.04		85.3	216.5		
	18180	5050	2.71		80.3	167.2		
-2°	15300	4250	6.34		82.3	321.2		
	17064	4740	5.00		86.3	269.4		
	19800	5500	2.64		80.3	177.4		
0°	17714	4921	5.71		82.3	334.9		
	19440	5400	4.40		86.3	270.1		
	21600	6000	2.50		78.3	187.9		
+2°	17784	4940	6.56	82.3	386.3			
	21384	5940	4.07	86.3	274.8			
	22968	6380	2.77	78.3	221.4			
+4°	20340	5650	5.85	84.3	384.6			
	22428	6230	4.41	86.3	312.3			
	24192	6720	3.13	78.3	263.5			

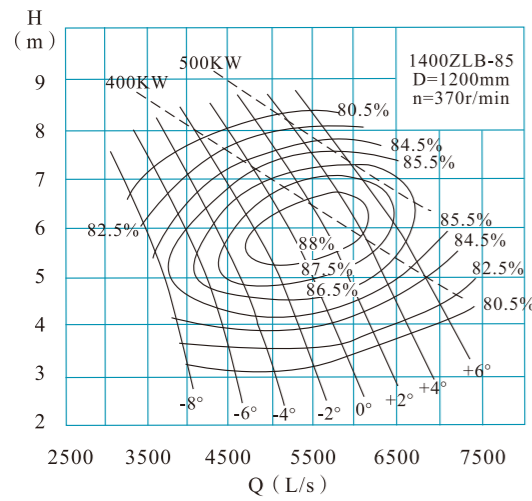
1400ZLB-125 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-6°	8582	2384	4.58	370	75.0	142.8		1200
	11542	3206	2.84		83.0	107.6		
	12586	3496	1.91		75.0	87.3		
-4°	10440	2900	5.29		75.0	200.7		
	13514	3754	3.65		85.0	158.1		
	16528	4591	1.47		75.0	88.3		
-2°	14152	3931	5.40		79.0	263.6		
	16355	4543	4.06		85.0	212.9		
	20066	5574	1.52		75.0	110.8		
0°	17398	4833	5.25		81.0	307.3		
	21024	5840	3.51		86.5	232.5		
	23605	6557	1.77		75.0	151.8		
+2°	18385	5107	6.04	75.0	403.5			
	22154	6154	4.30	85.0	305.4			
	26215	7282	2.08	75.0	198.1			
+4°	24358	6766	5.02	81.0	411.4			
	26561	7378	3.92	84.0	337.8			
	28940	8039	2.69	75.0	282.9			

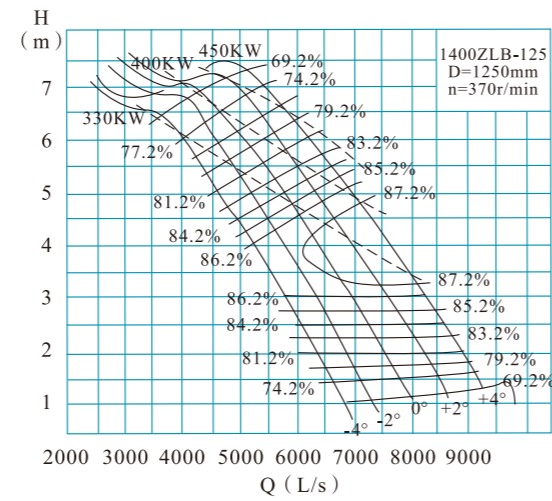
ZLB SERIES PROPELLER PUMP

ZLB Series-DN1400

1400ZLB-85 Performance Curve of Axial Flow Pump



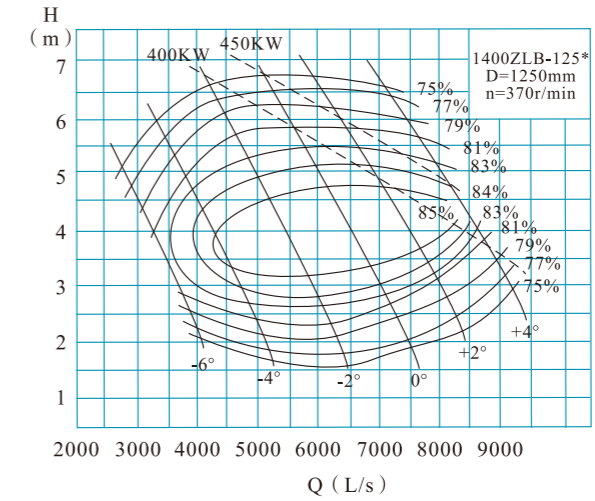
1400ZLB-135 Performance Curve of Axial Flow Pump



ZLB SERIES PROPELLER PUMP

ZLB Series-DN1400

1400ZLB-125* Performance Curve of Axial Flow Pump



1400ZLB-85 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-6°	12600	3500	7.20	370	80.5	307.1	450kW	1200	
	14652	4070	5.25		86.5	242.3			
	16164	4490	3.24		80.5	177.3			
-4°	13572	3770	7.51		80.5	345.0			
	15768	4380	5.62		87.5	276.0			
	17712	4920	3.24		80.5	194.3			
-2°	14796	4110	7.75		80.5	388.2			
	17316	4810	5.72		88.0	306.7			
	19548	5430	3.33		80.5	220.4			
0°	16056	4460	7.95		80.5	432.1			400kW
	18324	5090	6.29		88.0	356.9			
	21096	5860	3.46		80.5	247.1			
+2°	17208	4780	8.09		80.5	471.2	560kW		
	19476	5410	6.57		88.0	396.2			
	22644	6290	3.65		80.5	279.8			
+4°	18540	5150	8.21		80.5	515.3	630kW		
	20952	5820	6.75		88.0	437.9			
	24084	6690	3.86		80.5	314.7			
+6°	19692	5470	8.25		80.5	549.9			
	21996	6110	6.96		87.5	476.8			
	25452	7070	4.11		80.5	354.1			

1400ZLB-135 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm
	m ³ /h	L/s				Shaft power	Motor power	
-4°	15876	4410	5.45	370	79.2	297.7	330kW	1250
	21060	5850	3.00		86.2	199.7		
	23868	6630	1.37		74.2	120.1		
-2°	15372	4270	6.43		74.2	363.0		
	23004	6390	3.00		86.2	218.2		
	25992	7220	1.39		74.2	132.7		
0°	19440	5400	5.62		81.2	366.6	400kW	
	22608	6280	4.25		87.2	300.3		
	28260	7850	1.45		74.2	150.5		
+2°	22932	6370	5.09		85.2	373.3		
	27288	7580	3.21		87.2	273.7		
	30636	8510	1.49		74.2	167.6		
+4°	24552	6820	5.36	85.2	420.9	450kW		
	28556	7932	3.26	87.2	290.9			
	30924	8590	2.58	84.2	258.2			

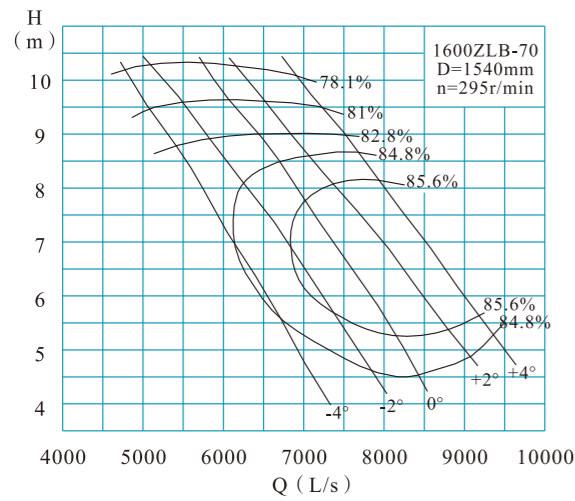
1400ZLB-125* Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-6°	9828	2730	5.11	370	75.0	182.5	220kW	1250	
	12600	3500	3.50		81.0	148.4			
	14436	4010	2.13		75.0	111.7			
-4°	11952	3320	5.90		75.0	256.2			JSL-15-16 280KW
	15840	4400	3.75		85.0	190.4			
	18612	5170	1.87		77.0	123.2			
-2°	17532	4870	5.26		83.0	302.8	330kW		
	20052	5570	3.75		85.0	241.1			
	22716	6310	1.89		77.0	151.9			
0°	20808	5780	5.43		83.0	371.0			400kW
	23546	6541	4.00		85.0	301.9			
	26712	7420	2.15		77.0	203.2			
+2°	24048	6680	5.43	83.0	428.7	450kW			
	27432	7620	3.69	85.0	324.5				
	29304	8140	2.75	79.0	278.0				
+4°	29556	8210	4.86	84.0	466.0	500kW			
	30420	8450	4.37	84.0	431.2				
	31680	8800	3.79	81.0	403.9				

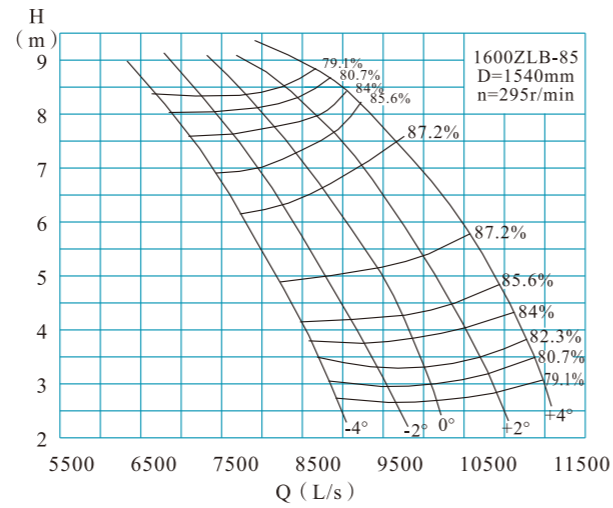
ZLB SERIES PROPELLER PUMP

ZLB Series-DN1600

1600ZLB-70 Performance Curve of Axial Flow Pump

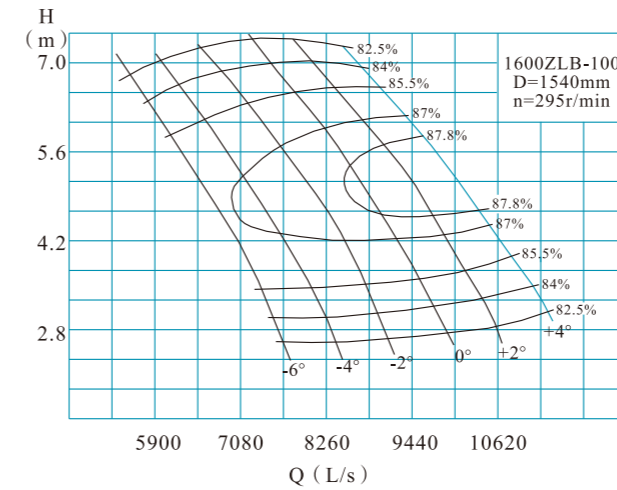


1600ZLB-85 Performance Curve of Axial Flow Pump

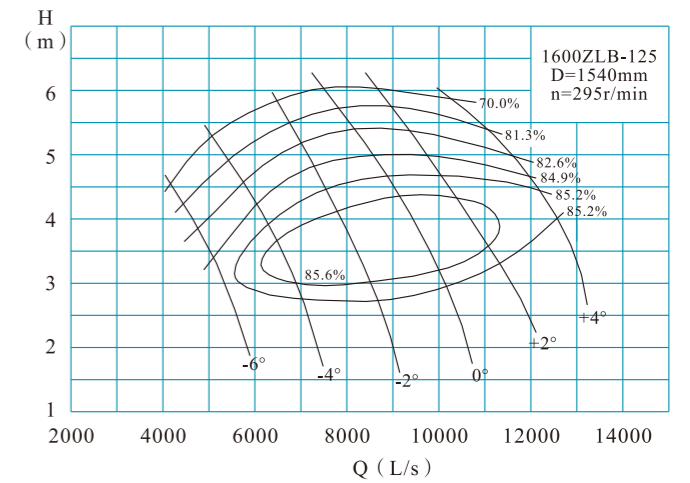


ZLB Series-DN1600

1600ZLB-100 Performance Curve of Axial Flow Pump



1600ZLB-125 Performance Curve of Axial Flow Pump



1600ZLB-70 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-4°	18454	5126	9.42	295	81	584.8	600	1540	
	22140	6150	7		83.4	506.4			
	25211	7003	4.81		82.8	399.1			
-2°	19847	5513	9.58		81	639.6			670
	25560	7100	6.3		85.6	512.6			
	28202	7834	4.55		81.8	427.5			
0°	21726	6035	9.75		81	712.6	750		
	27288	7580	6.5		85.6	564.6			
	30467	8463	4.4		81.8	446.6			
+2°	23508	6530	9.67		81	764.8			800
	29520	8200	6.55		85.6	615.5			
	32731	9092	4.8		84.8	504.9			
+4°	26114	7254	9.42	81	827.6	850			
	31158	8655	6.9	85.6	684.4				
	33775	9382	5.3	84.8	575.2				

1600ZLB-85 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-4°	23421	6506	7.4	295	82.7	571.1	600	1540	
	26316	7310	5.8		85.2	488.2			
	28948	8041	4		82.7	381.5			
-2°	25000	6944	7.5		82.7	617.8			630
	27895	7749	6.2		85.2	553.2			
	31579	8772	4		82.7	416.2			
0°	27369	7603	7.7		82.7	694.4	750		
	30528	8480	6.2		85.9	600.4			
	33948	9430	4.2		82.7	469.8			
+2°	28948	8041	7.9		82.7	753.5			800
	32893	9137	6.2		85.9	646.9			
	36184	10051	4.3		82.7	512.7			
+4°	31579	8772	8.1	84.2	827.8	850			
	35000	9722	6.6	85.9	732.8				
	38421	10673	4.6	82.7	582.4				

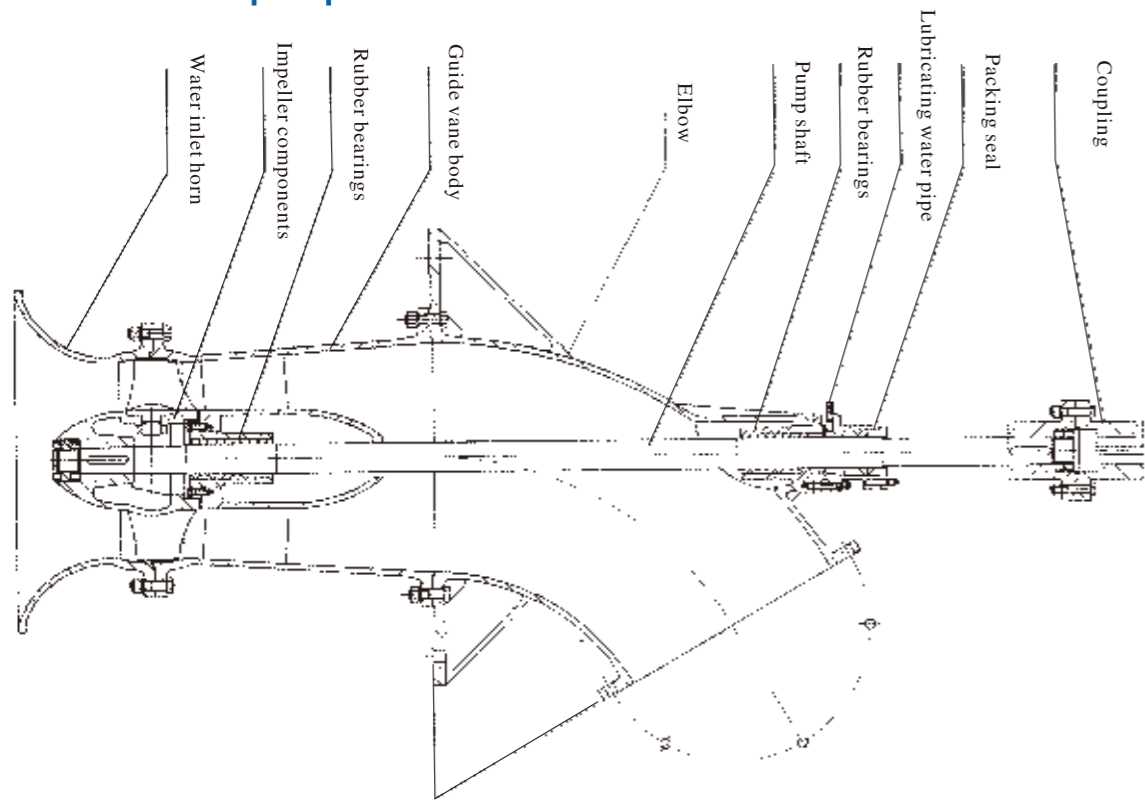
1600ZLB-100 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-6°	22104	6140	5.6	295	85.5	394.5	425	1540	
	24012	6670	4.8		86	365.2			
	26748	7430	3.2		84.8	275.1			
-4°	23796	6610	6		85.5	455.0			475
	26424	7340	4.7		87	389.0			
	29160	8100	3.2		84.5	300.9			
-2°	26244	7290	6.1		85.6	509.6	530		
	29052	8070	4.9		87	445.9			
	32040	8900	3.2		84.2	331.8			
0°	28224	7840	6.4		85.6	575.0			600
	31572	8770	5		87.8	489.9			
	34848	9680	3.35		84.2	377.8			
+2°	30168	8380	6.5	85.5	625.0	670			
	33624	9340	5.2	87.8	542.7				
	37152	10320	3.5	84.5	419.3				
+4°	31762	8823	6.5	85.5	658.0		710		
	35892	9970	5.2	87.8	579.3				
	39348	10930	3.5	84.5	444.1				

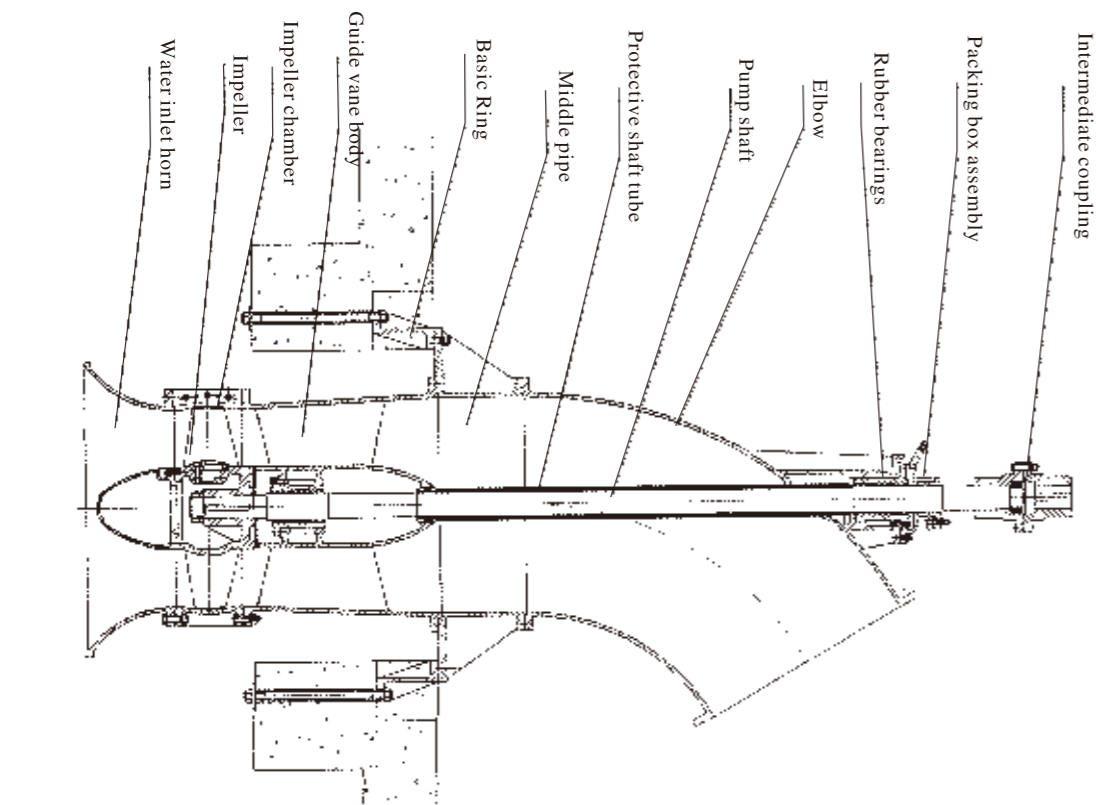
1600ZLB-125 Performance Table of Type Vertical Axial Flow Pump

Setting angle of blade	Capacity		Head	Speed	Eff. η %	Power (kW)		Diameter of impeller mm	
	m ³ /h	L/s				Shaft power	Motor power		
-6°	17464	4851	3.7	295	82.6	213.2	250	1540	
	19145	5318	3		84.3	185.7			
	20308	5641	2.4		81	164			
-4°	19220	5339	5.03		81.3	323.8			355
	23929	6647	3.35		85.6	255.0			
	26129	7258	2.28		82.6	196.4			
-2°	25351	7042	5.15		82.6	430.5	450		
	29232	8120	3.6		85.6	343.3			
	31950	8875	2.28		82.6	240.2			
0°	30784	8551	5.03		84.3	500.2			530
	35053	9737	3.6		85.6	401.5			
	38156	10599	2.4		82	304.1			
+2°	34279	9522	5.4	82.6	610.3	630			
	39355	10932	3.6	85.6	450.4				
	42037	11677	2.88	82.6	399.2				
+4°	41004	11390	5.15	82.6	696.2		750		
	44755	12432	4.31	85.2	616.6				
	46307	12863	3.6	82.6	549.6				

Section view of ZLB pump



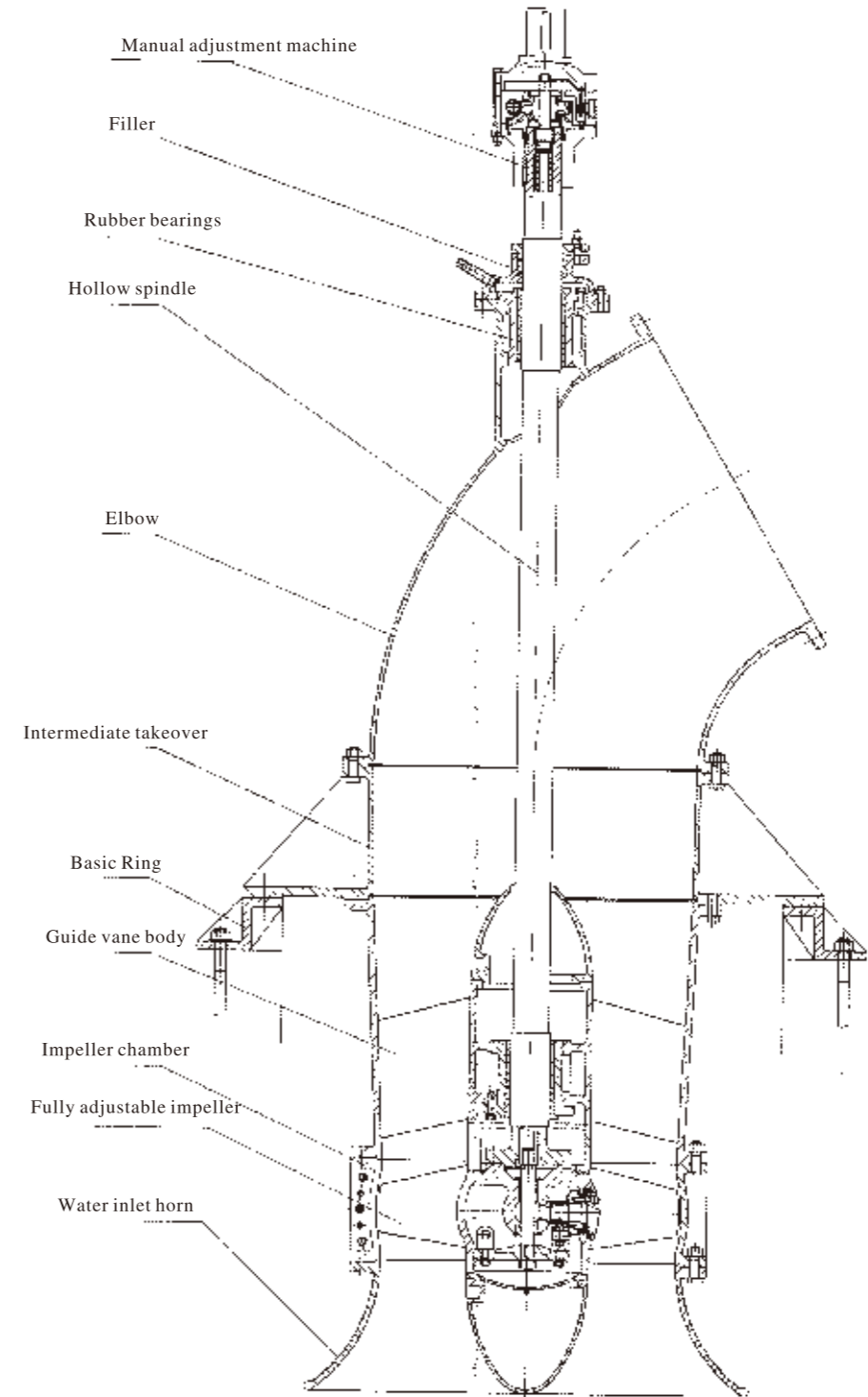
Structure of small and medium-sized axial flow pump body (I)
 [Water lubricated rubber bearings, with intermediate pipes, shaft protection pipes, and split impeller chambers]



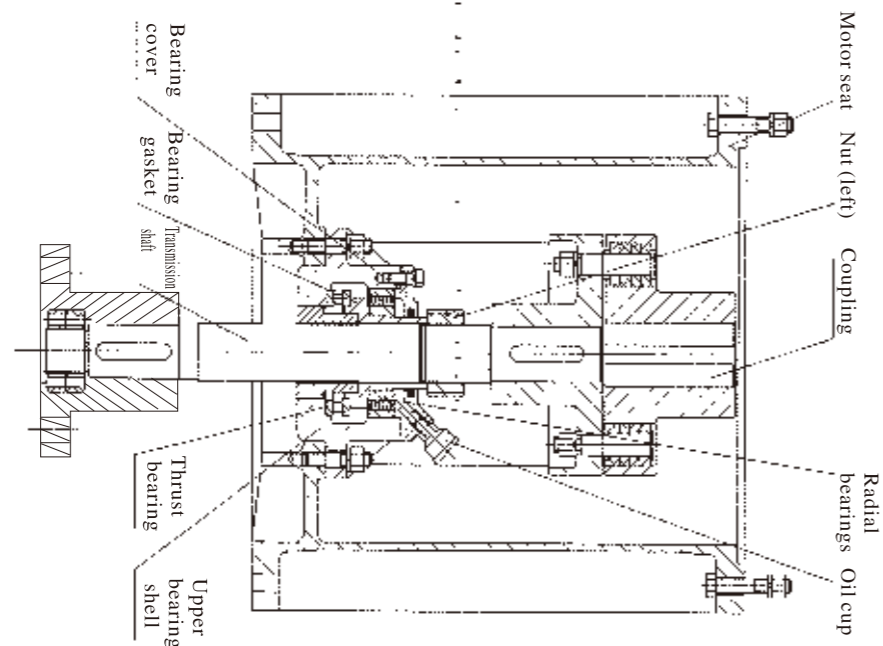
Structure of small and medium-sized axial flow pump body (II)
 [Water lubricated rubber bearings, with intermediate pipes, shaft protection pipes, and split impeller chambers]

Section view of ZLB pump

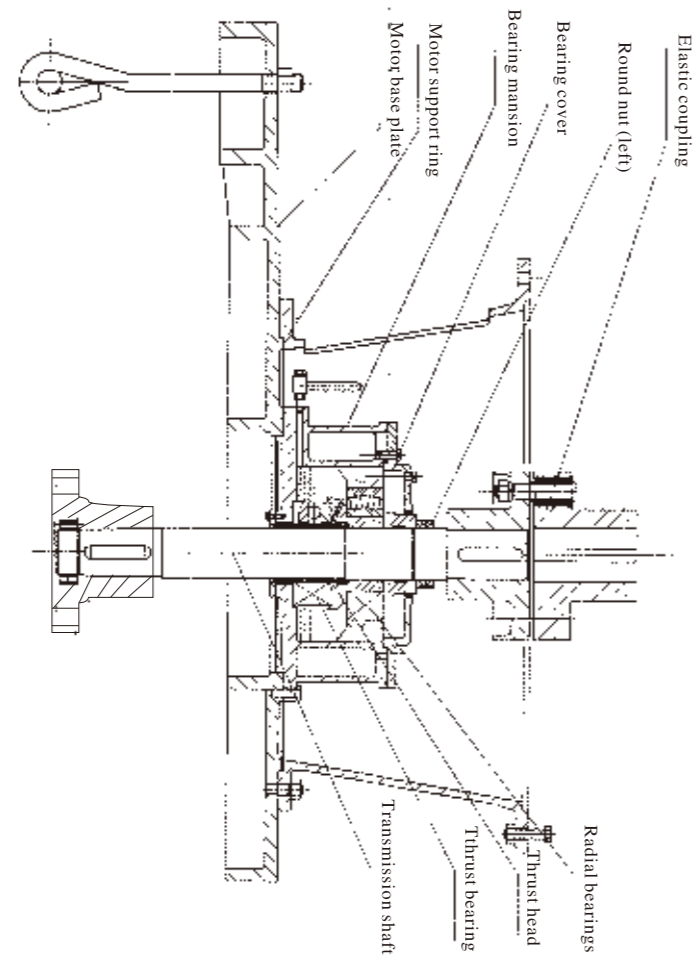
Structure of small and medium-sized axial flow pump body (III)



The figure shows the structure form of manual shutdown adjustment. The vertical axial flow pump body of the electric mechanical adjustment is similar to this figure, and the adjustment mechanism is placed on the top of the electric motor.



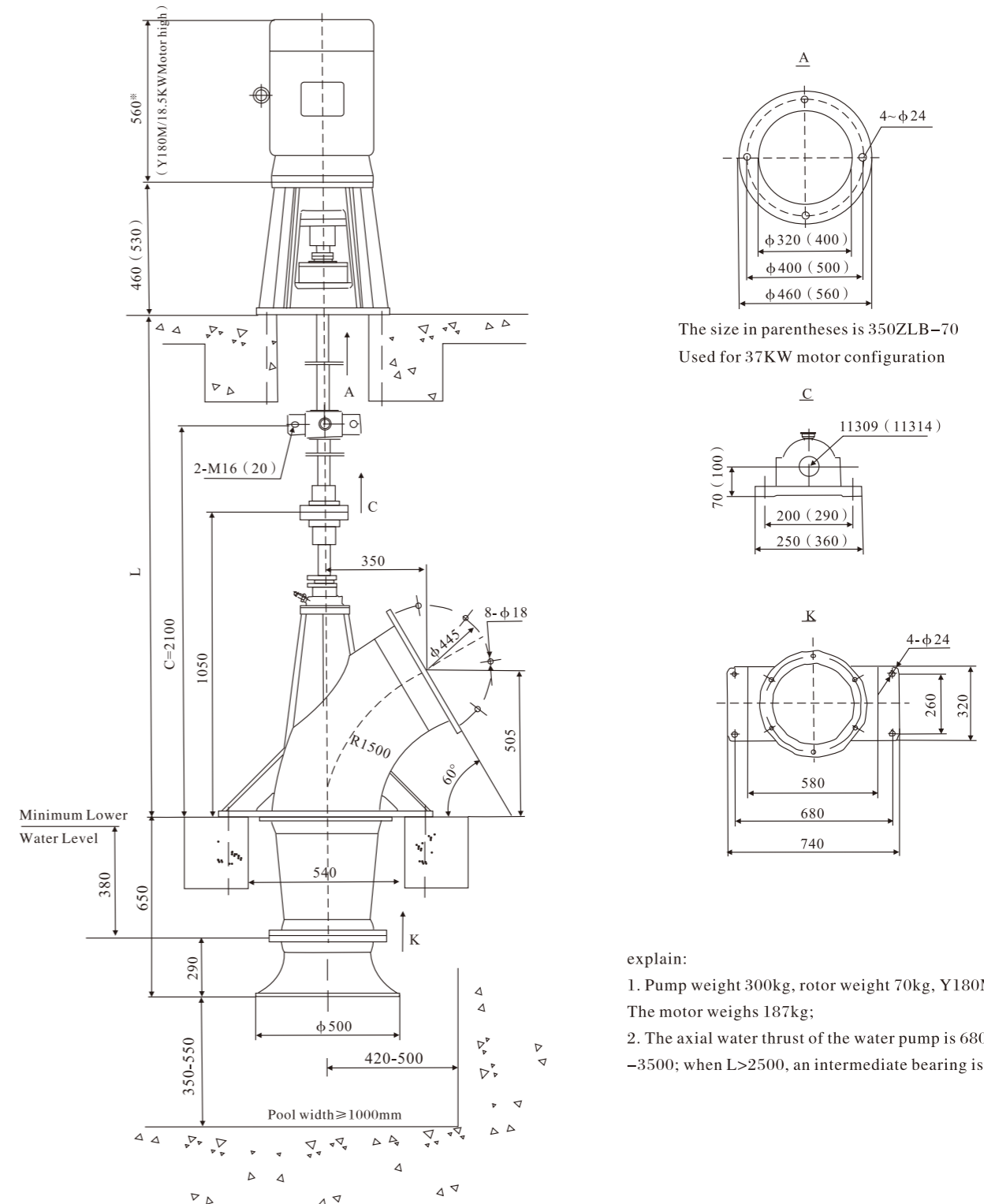
Vertical motor transmission device (I)



Vertical motor transmission device (II)

Installation outline drawing

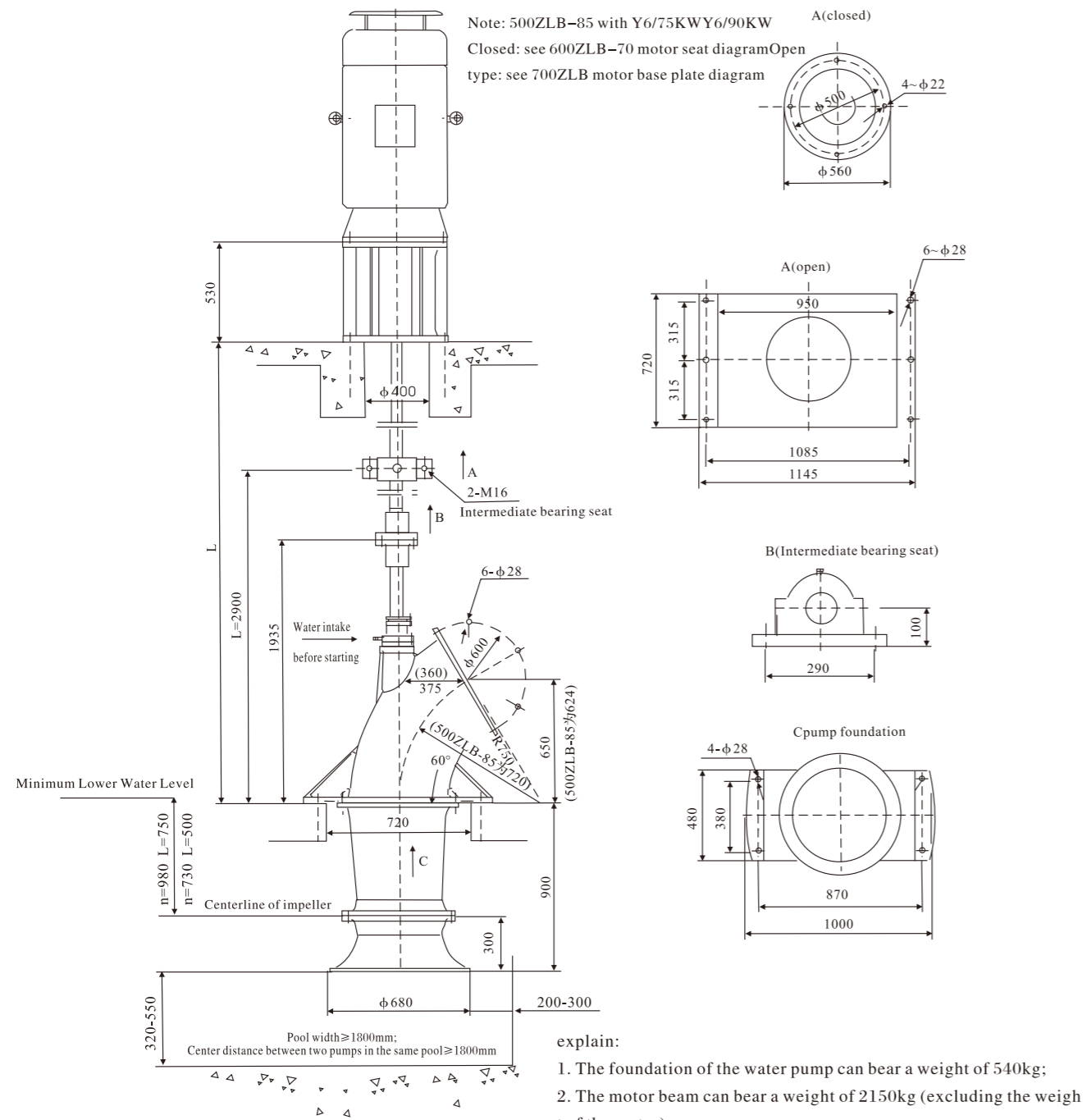
Installation Outline Drawing of 350ZLB Axial Flow Pump



- explain:
1. Pump weight 300kg, rotor weight 70kg, Y180M-4/18.5kW
The motor weighs 187kg;
 2. The axial water thrust of the water pump is 6800N.3. L=1400-3500; when L>2500, an intermediate bearing is added.

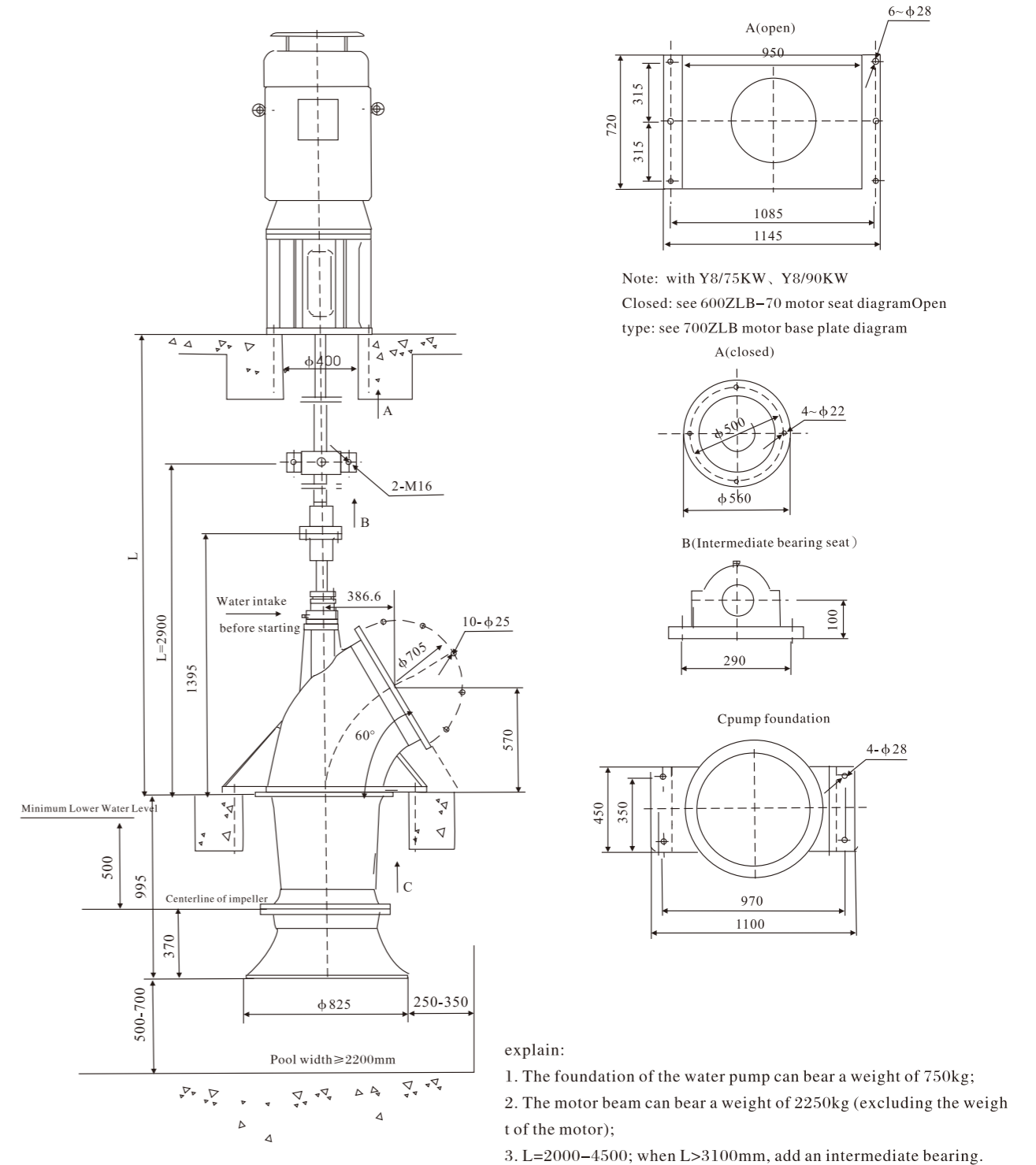
Installation outline drawing

Installation Outline Drawing of 500ZLB Axial Flow Pump



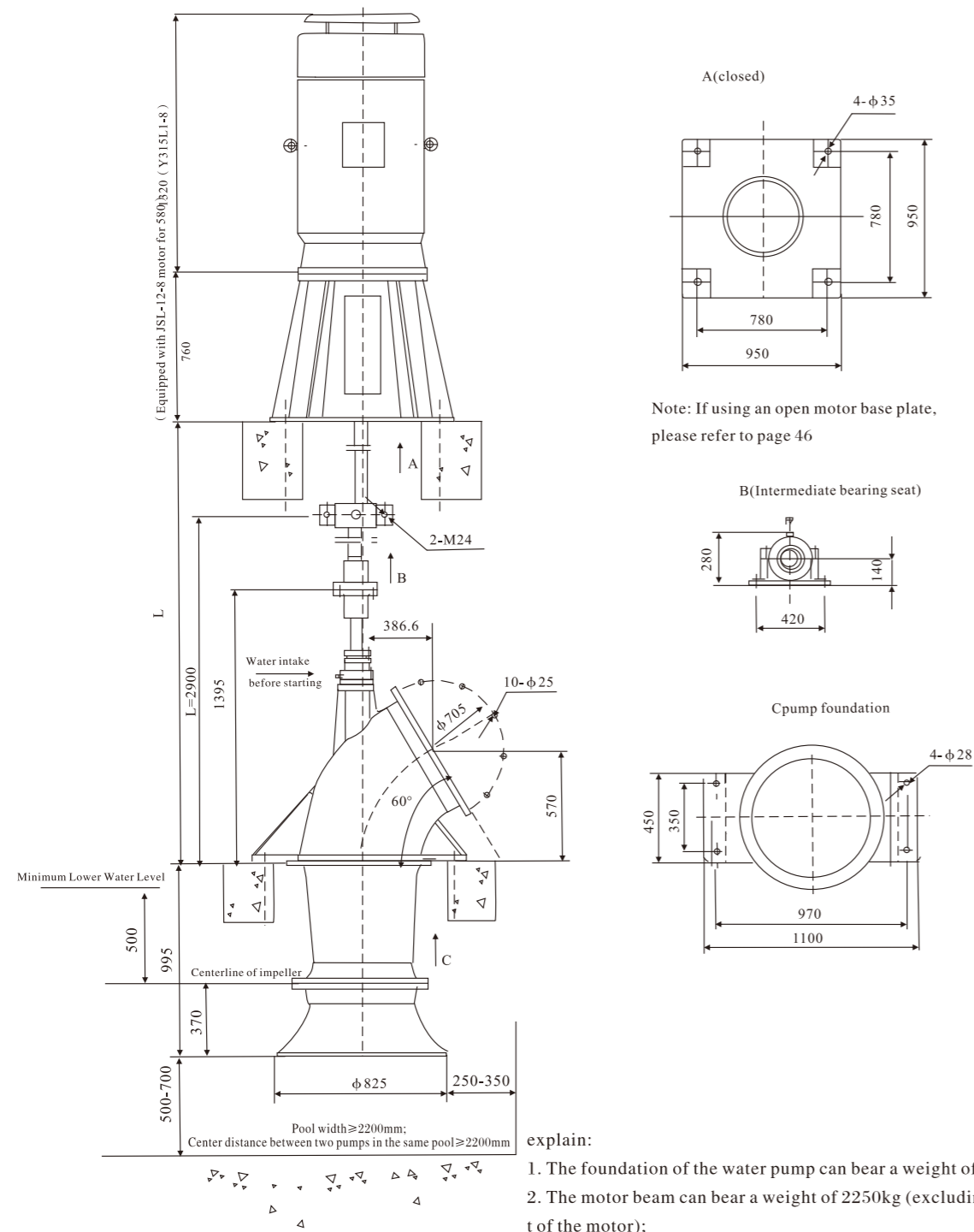
Installation outline drawing

Installation Outline Drawing of 600ZLB Axial Flow Pump



Installation outline drawing

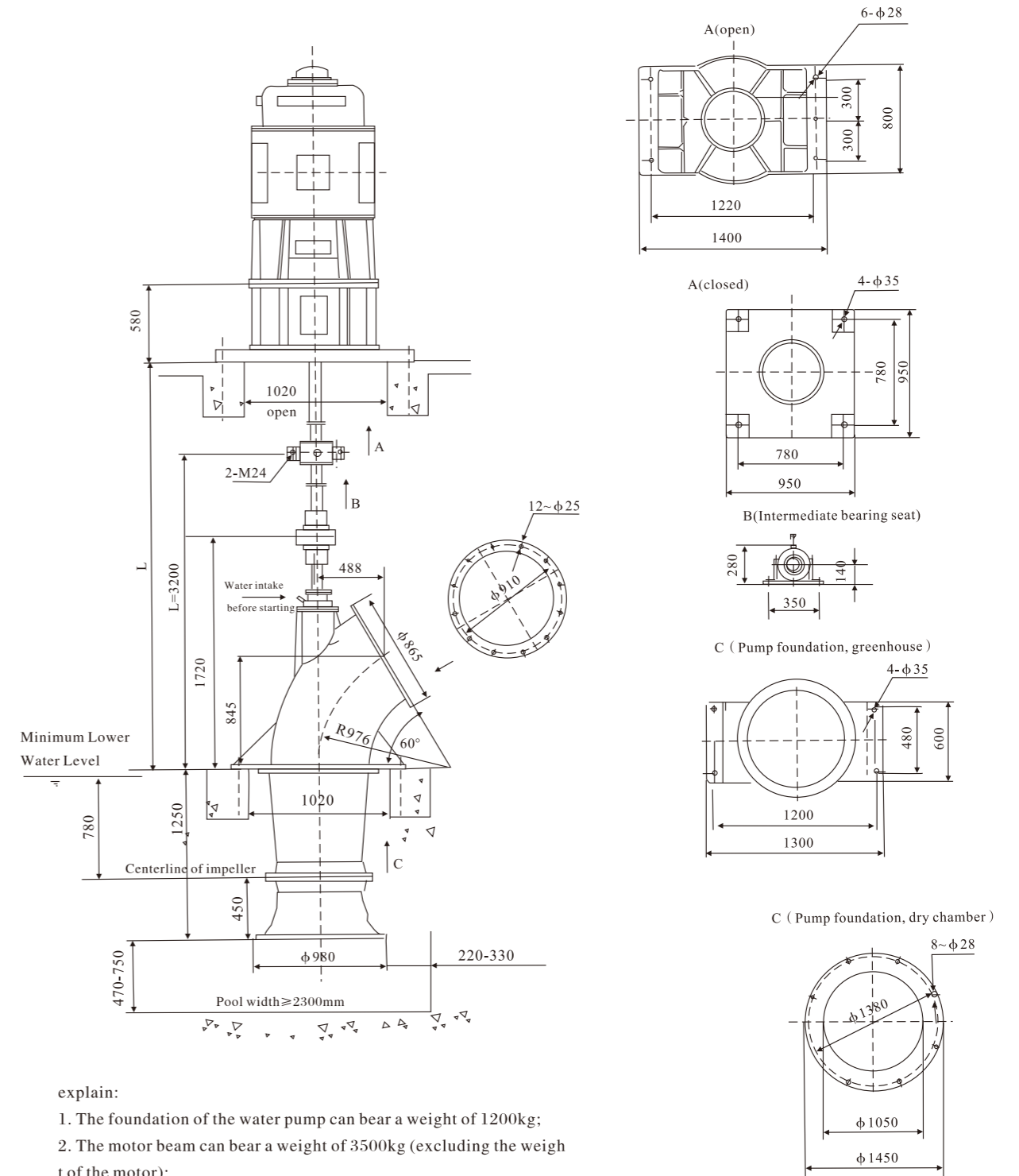
Installation Outline Drawing of 600ZLB-70 Axial Flow Pump



- explain:
1. The foundation of the water pump can bear a weight of 750kg;
 2. The motor beam can bear a weight of 2250kg (excluding the weight of the motor);
 3. L=2000-4500; when L>3500mm, add an intermediate bearing.

Installation outline drawing

Installation Outline Drawing of 700ZLB Axial Flow Pump

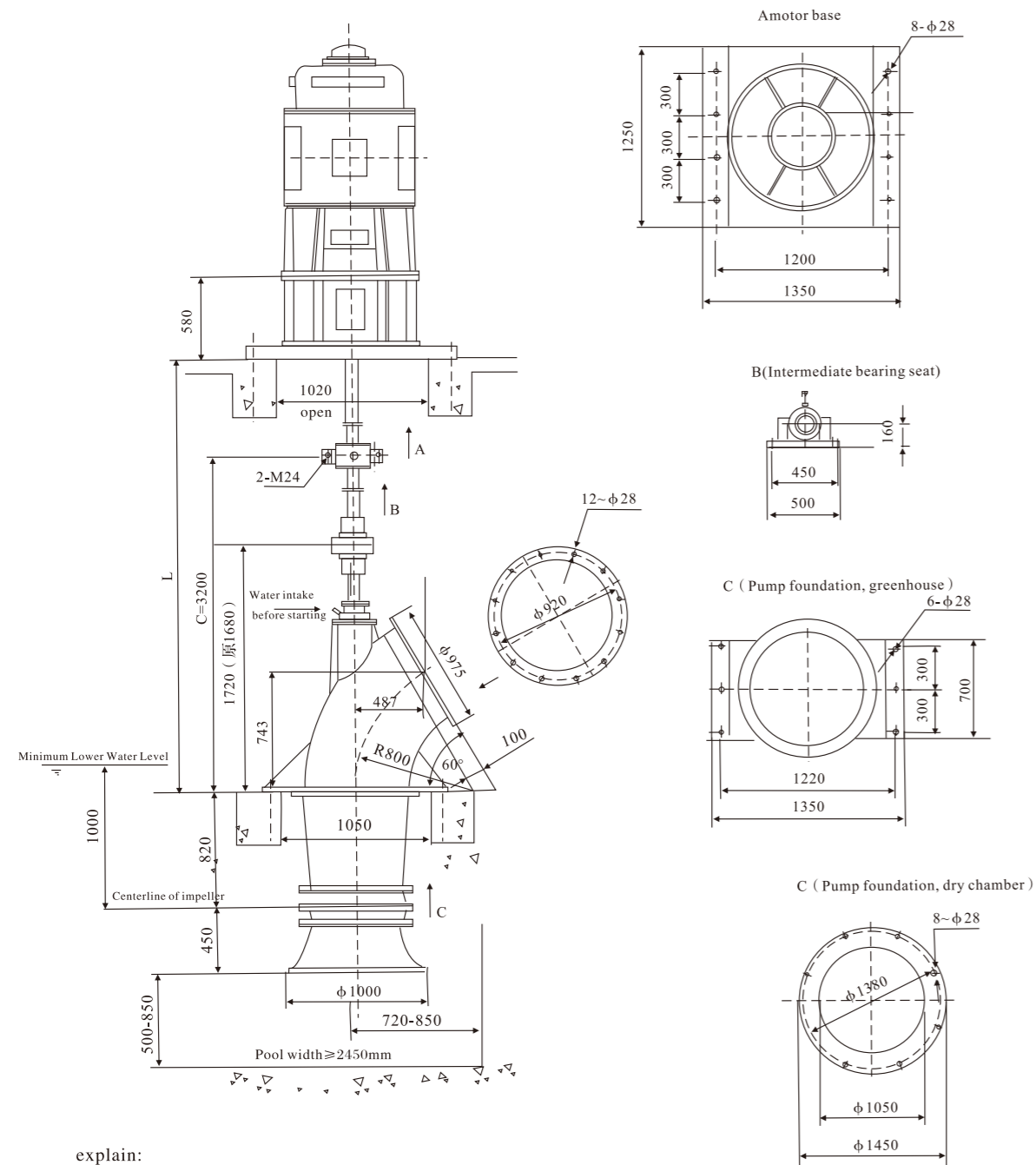


- explain:
1. The foundation of the water pump can bear a weight of 1200kg;
 2. The motor beam can bear a weight of 3500kg (excluding the weight of the motor);
 3. L=2000-5500; when L>3800mm, add an intermediate bearing.

ZLB SERIES PROPELLER PUMP

Installation outline drawing

Installation Outline Drawing of 800ZLB-70 Axial Flow Pump



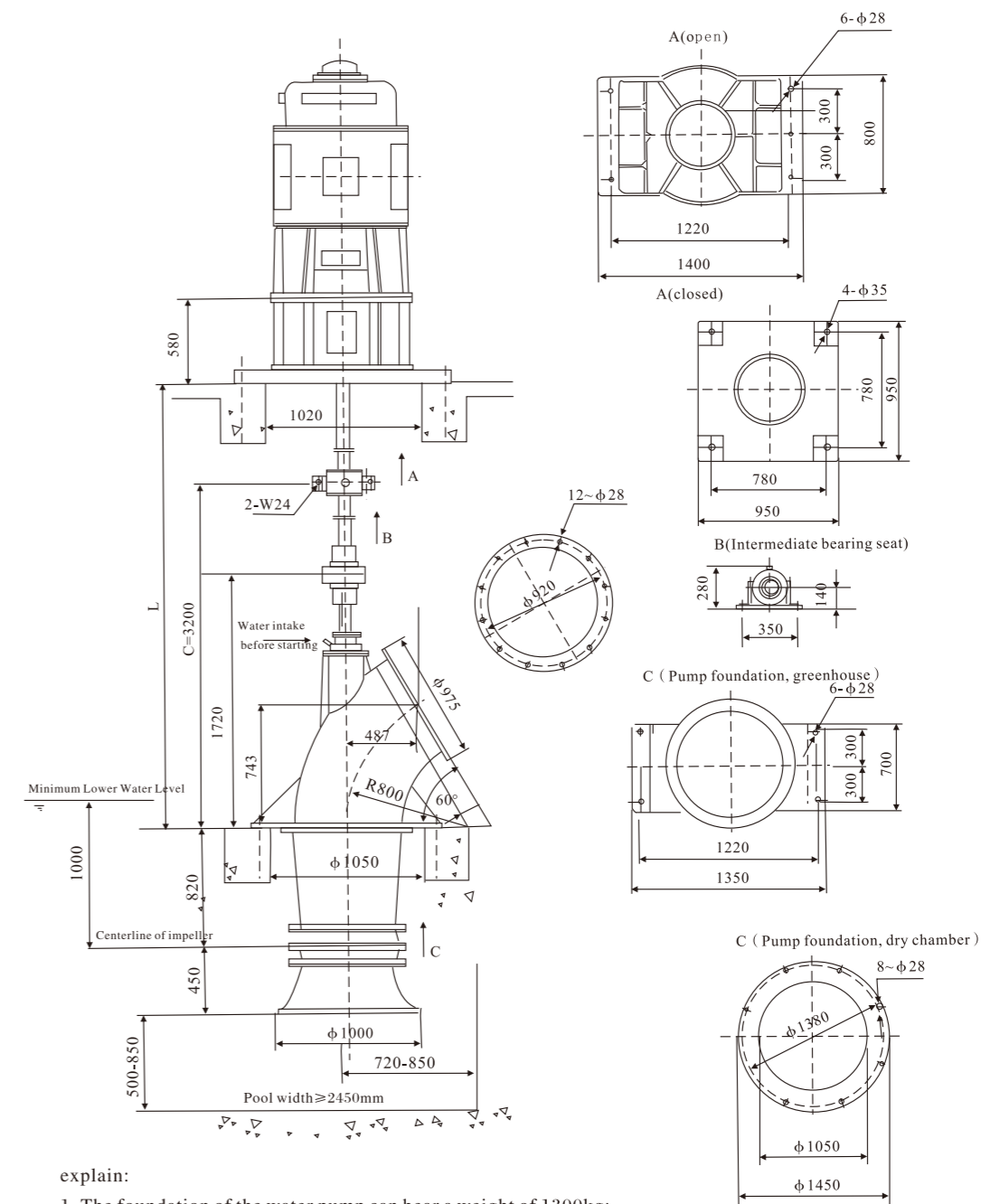
explain:

1. The foundation of the water pump can bear a weight of 1500kg;
2. The motor beam can bear a weight of 4500kg (excluding the weight of the motor);
3. L=2000-5800; when L>3100mm, add an intermediate bearing.

ZLB SERIES PROPELLER PUMP

Installation outline drawing

Installation Outline Drawing of 00ZLB-100¹⁰⁰/₁₂₅ Axial Flow Pump



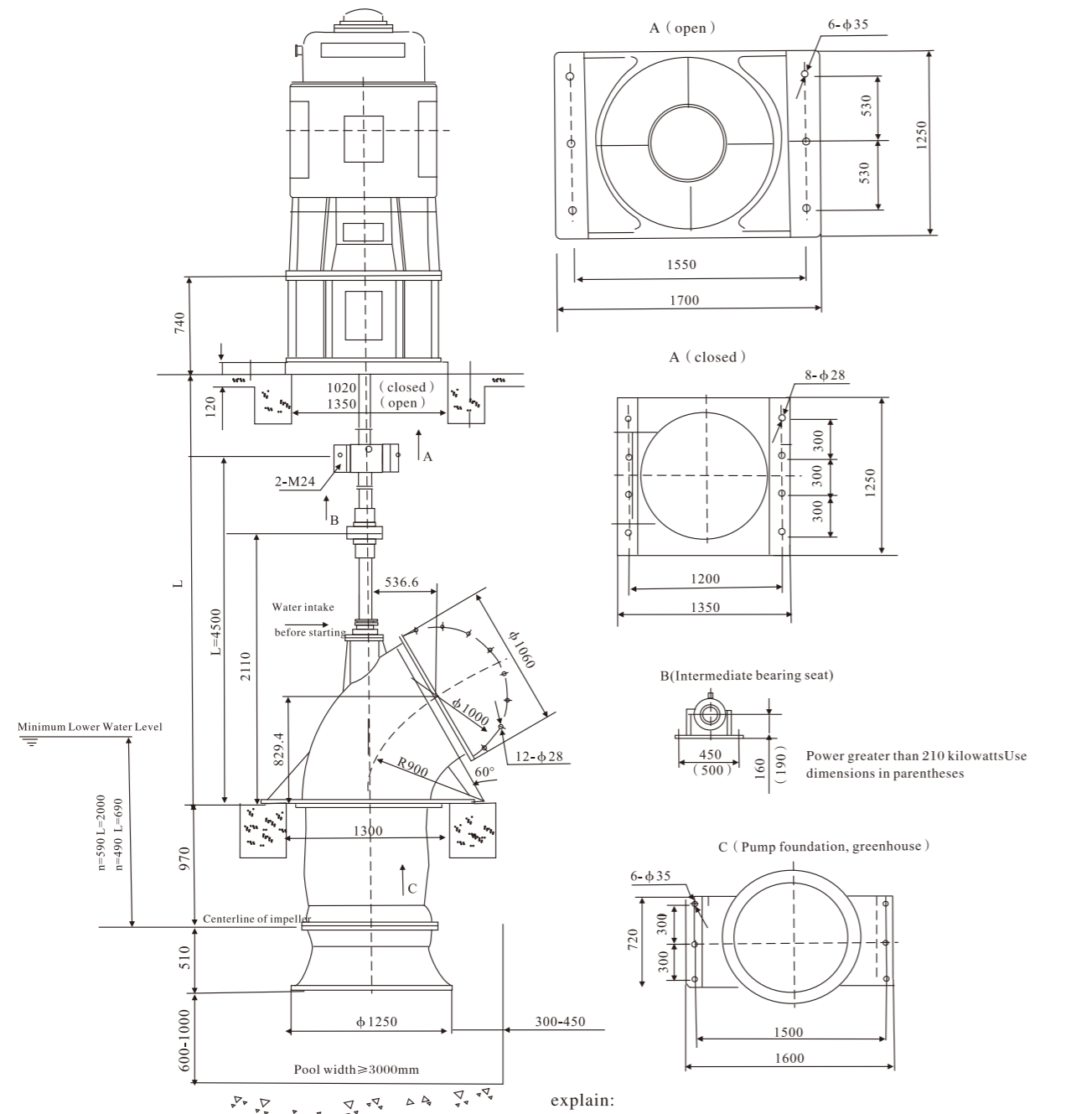
explain:

1. The foundation of the water pump can bear a weight of 1300kg;
2. The motor beam can bear a weight of 3500kg (excluding the weight of the motor);
3. L=2000-5600; when L>3800mm, add an intermediate bearing.

ZLB SERIES PROPELLER PUMP

Installation outline drawing

Installation Outline Drawing of 900ZLB Axial Flow Pump (Wet Chamber Structure)



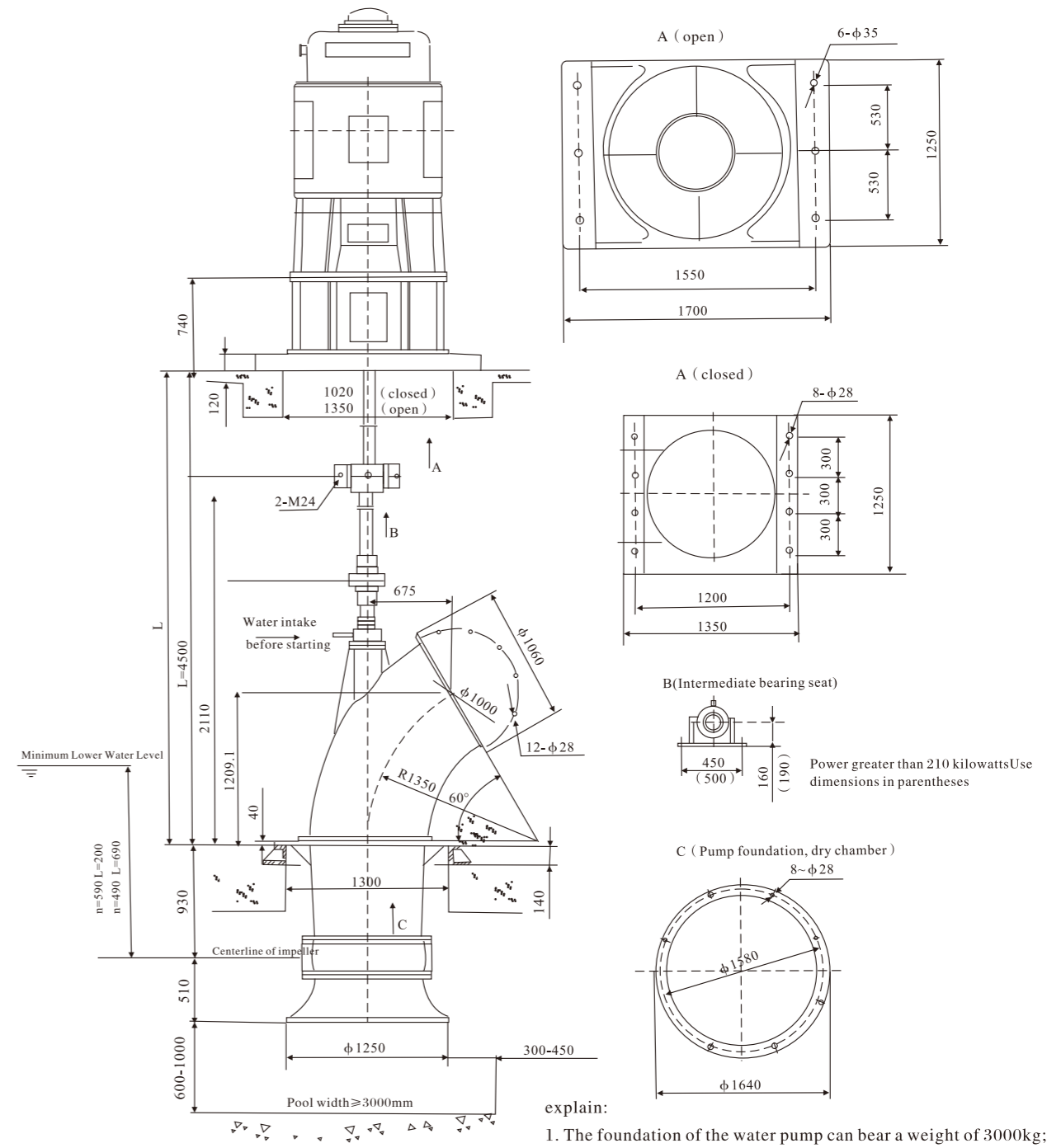
explain:

1. The foundation of the water pump can bear a weight of 3000kg;
2. The motor beam can bear a weight of 8800kg (excluding the weight of the motor);
3. L=2700-7000; when L>5100mm, add an intermediate bearing.

ZLB SERIES PROPELLER PUMP

Installation outline drawing

Installation Outline Drawing of 900ZLB Axial Flow Pump (Wet Chamber Structure)



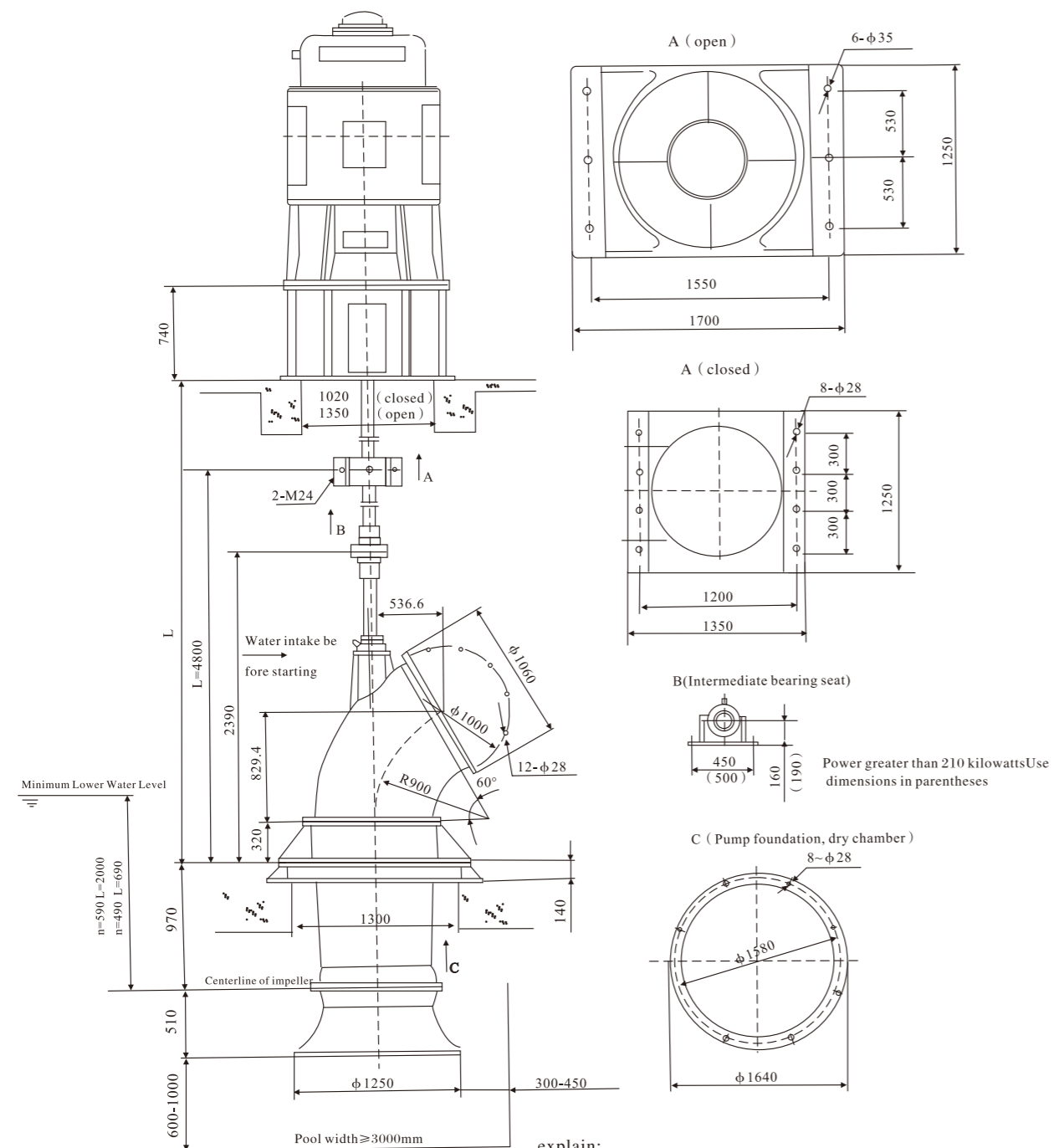
explain:

1. The foundation of the water pump can bear a weight of 3000kg;
2. The motor beam can bear a weight of 8800kg (excluding the weight of the motor);
3. L=2700-7000; when L>5100mm, add an intermediate bearing.

ZLB SERIES PROPELLER PUMP

Installation outline drawing

Installation Outline Drawing II of 900ZLB Axial Flow Pump (Dry Chamber Structure)

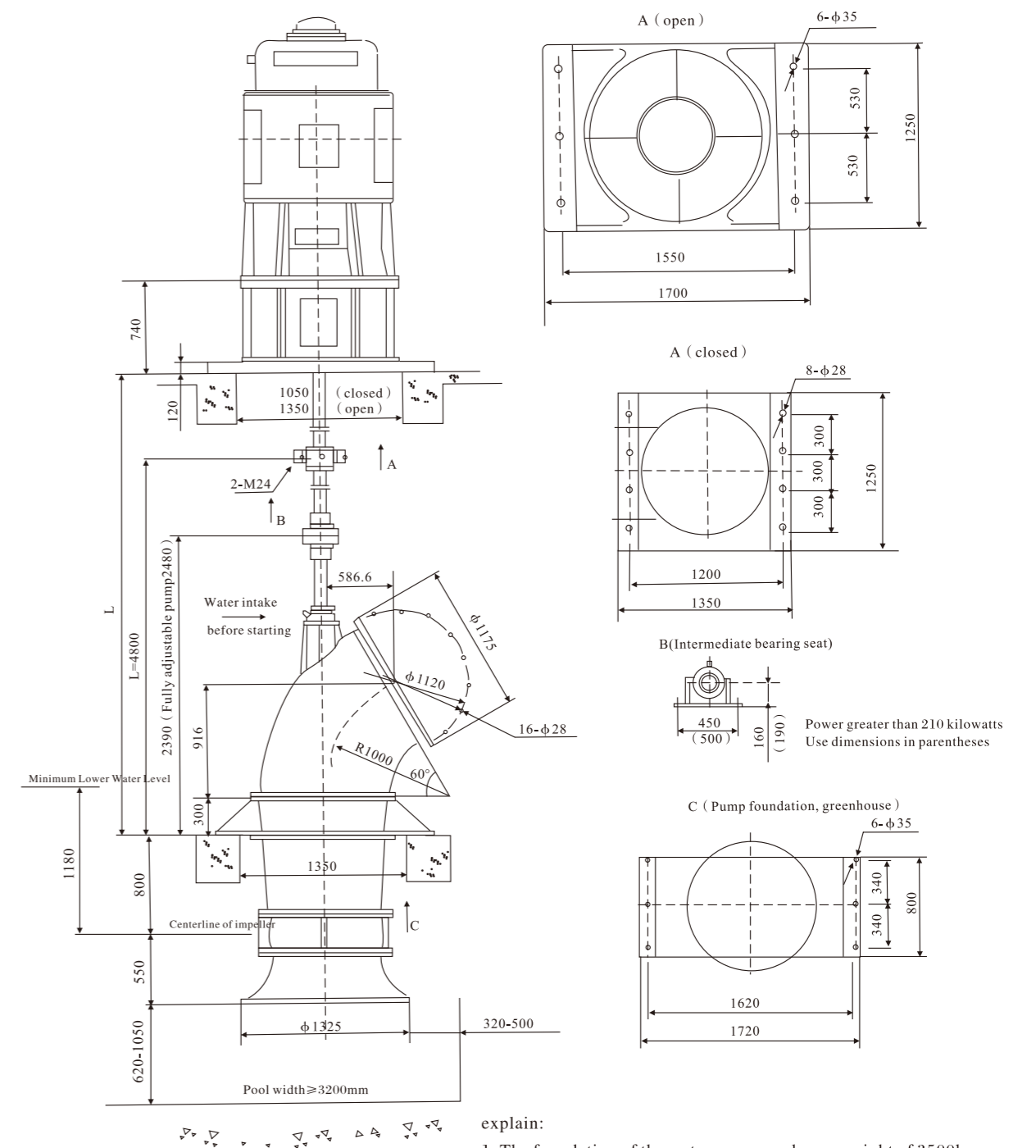


- explain:
1. The foundation of the water pump can bear a weight of 3000kg;
 2. The motor beam can bear a weight of 8800kg (excluding the weight of the motor);
 3. L=2700-7000; when L>5100mm, add an intermediate bearing.

ZLB SERIES PROPELLER PUMP

Installation outline drawing

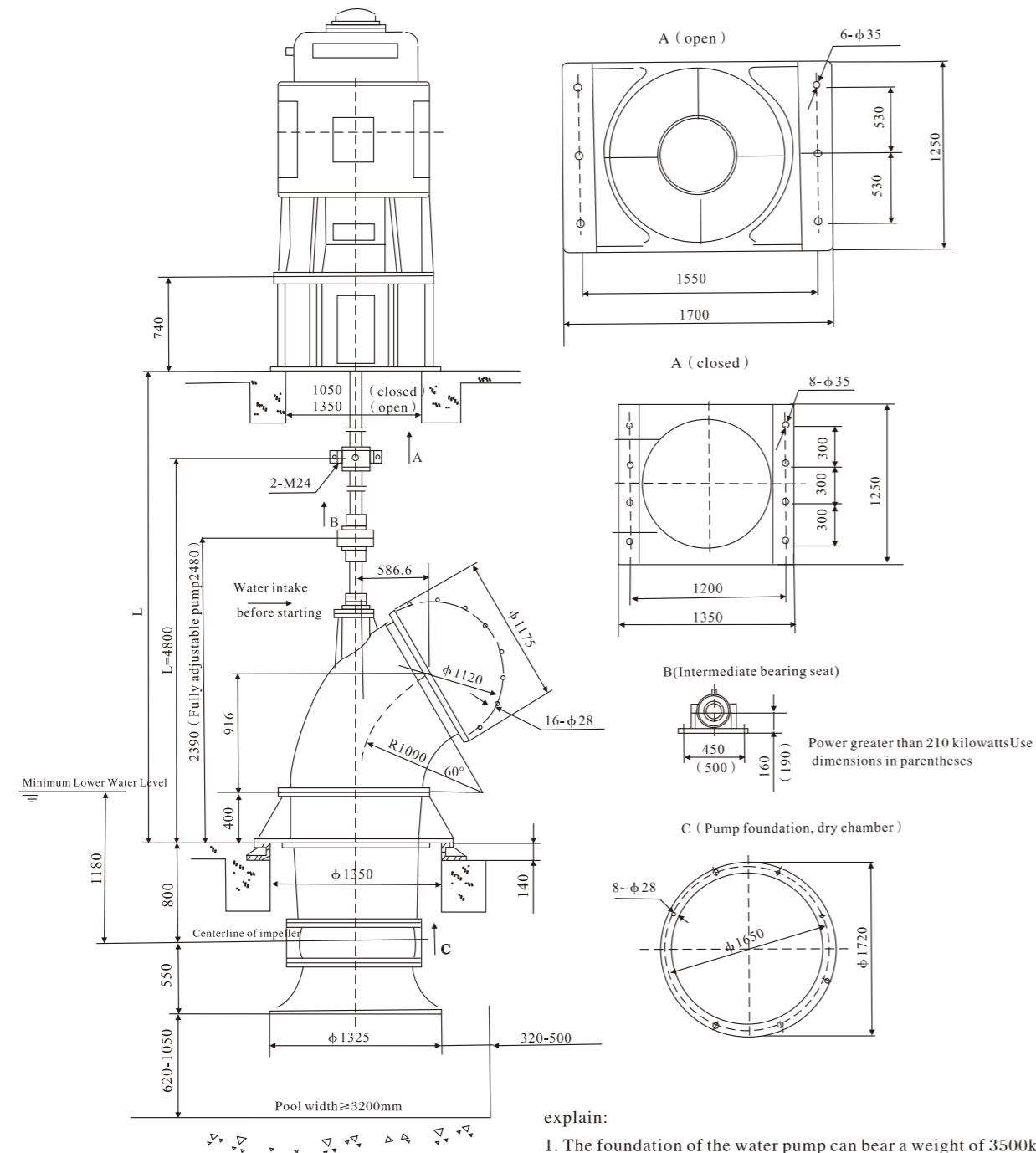
Installation Outline Drawing of 1000ZLB Axial Flow Pump (Wet Chamber Structure)



- explain:
1. The foundation of the water pump can bear a weight of 3500kg;
 2. The motor beam can bear a weight of 9800kg (excluding the weight of the motor);
 3. L=3800-8000; when L>5500mm, add an intermediate bearing.

Installation outline drawing

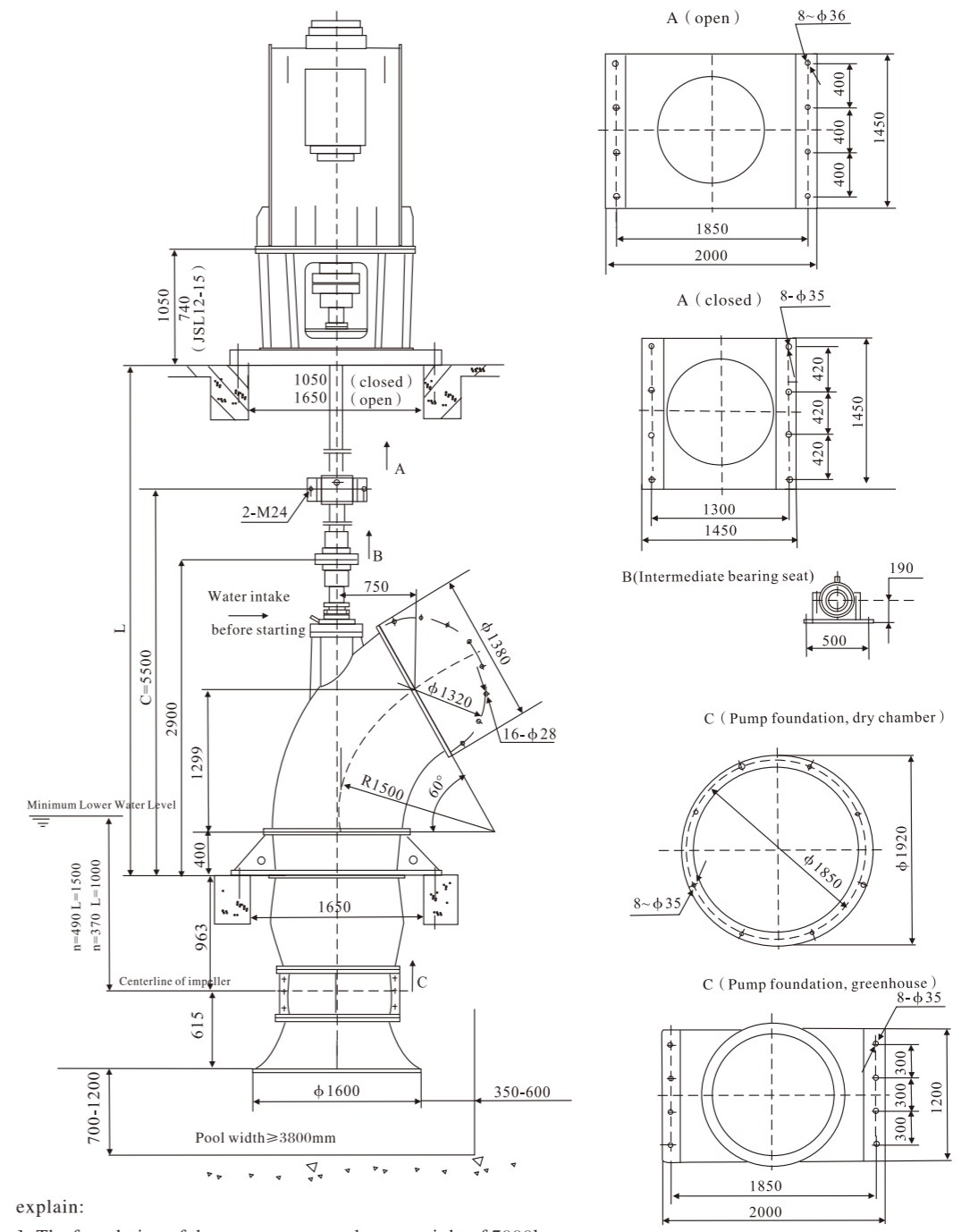
Installation Outline Drawing II of 1000ZLB Axial Flow Pump (Dry Chamber Structure)



- explain:
1. The foundation of the water pump can bear a weight of 3500kg;
 2. The motor beam can bear a weight of 9800kg (excluding the weight of the motor);
 3. L=3800-8000; when L>5500mm, add an intermediate bearing.

Installation outline drawing

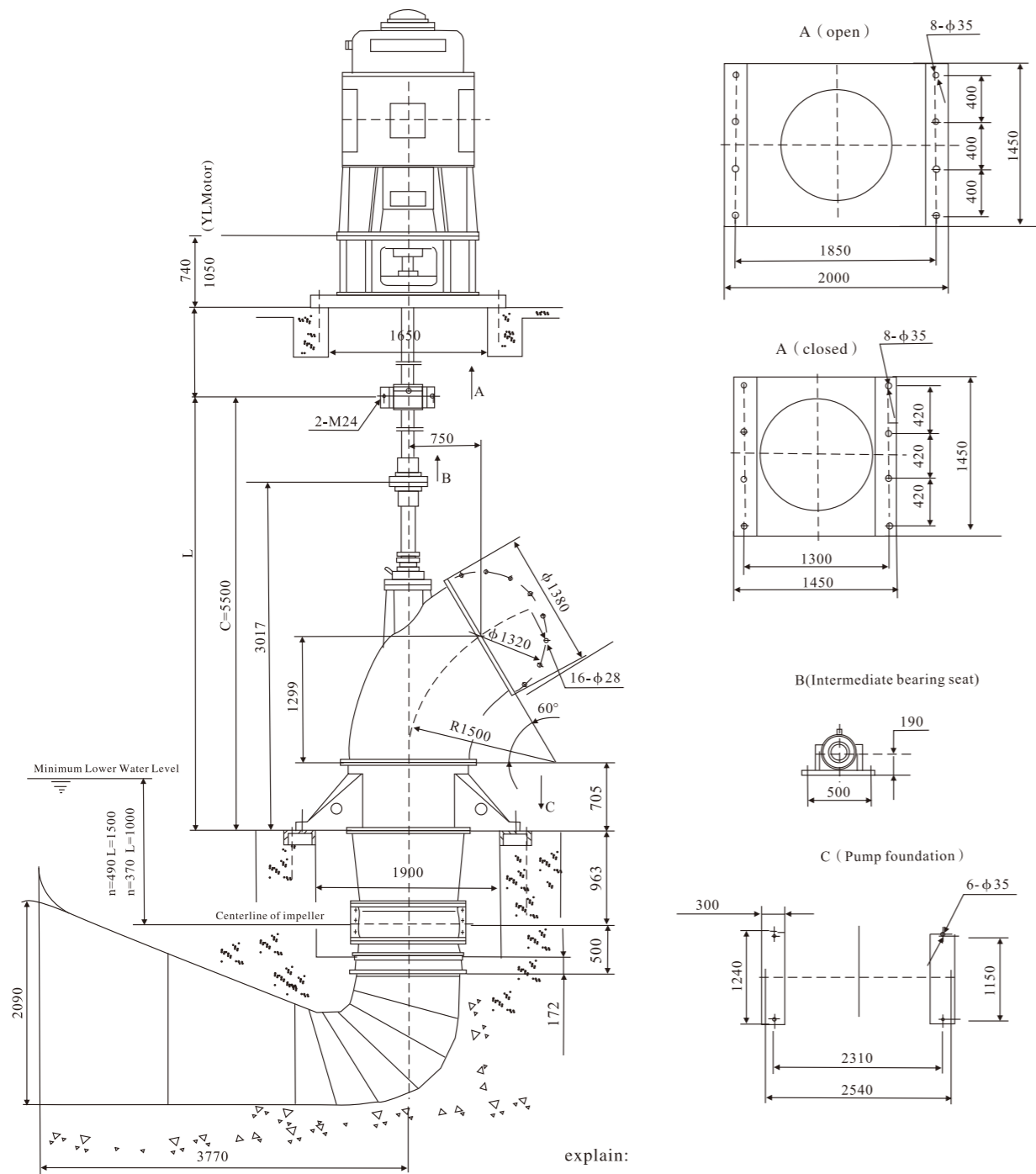
Installation Outline Drawing of 1200ZLB Axial Flow Pump (Horn Inlet)



- explain:
1. The foundation of the water pump can bear a weight of 7000kg;
 2. The motor beam can bear a weight of 11500kg (excluding the weight of the motor);
 3. L=3600-8000; when L>6000mm, add an intermediate bearing.

Installation outline drawing

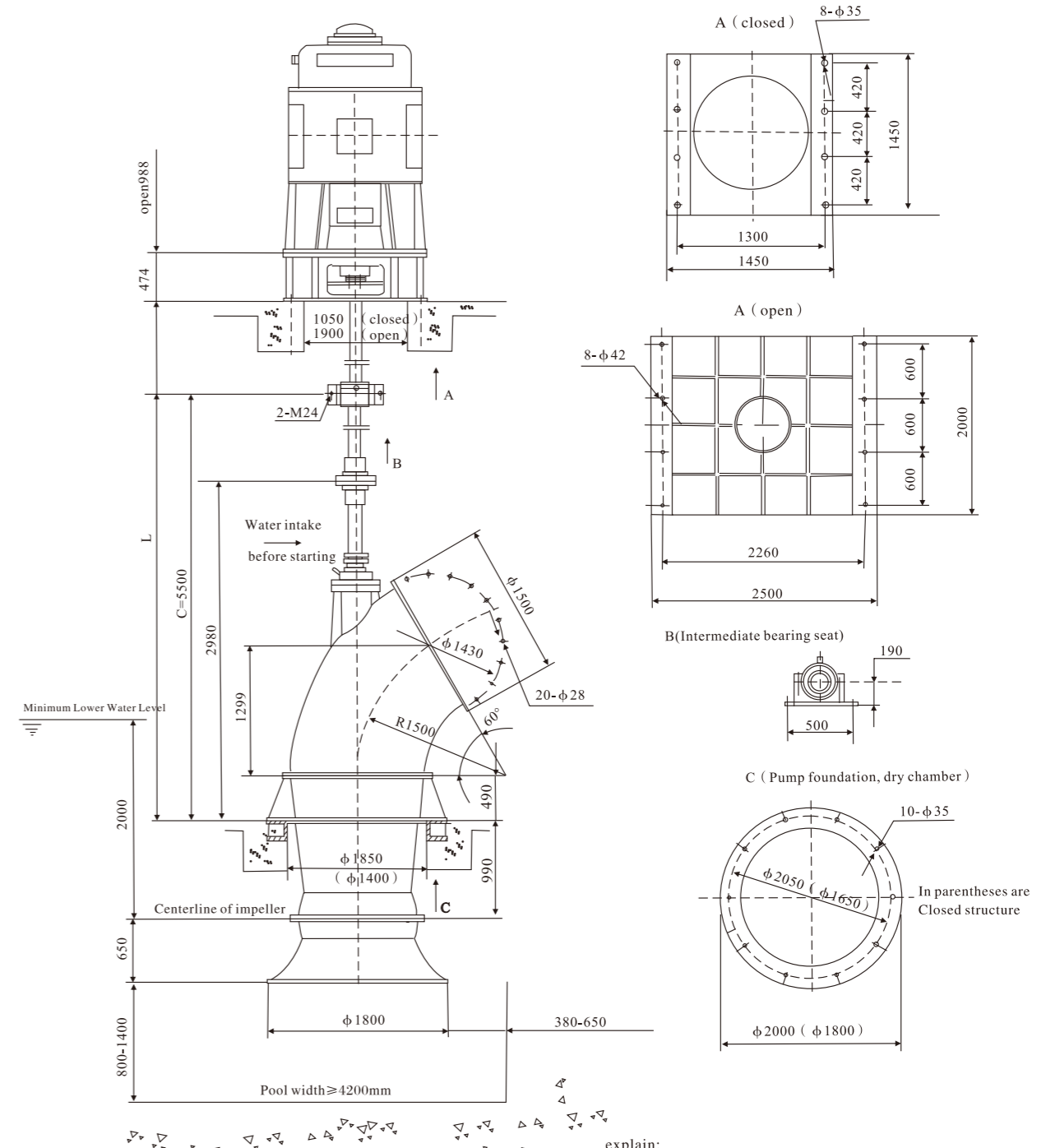
Installation Outline Drawing of 1200ZLB Axial Flow Pump (Inlet Channel)



- explain:
1. The foundation of the water pump can bear a weight of 7000kg;
 2. The motor beam can bear a weight of 11500kg (excluding the weight of the motor);
 3. L=3600-8000; when L>6000mm, add an intermediate bearing.

Installation outline drawing

Installation Outline Drawing of 1300ZLB Axial Flow Pump (Horn Inlet)



- explain:
1. The foundation of the water pump can bear a weight of 7000kg;
 2. The motor beam can bear a weight of 11500kg (excluding the weight of the motor);
 3. L=3600-8000; when L>6000mm, add an intermediate bearing.