



潜水轴流泵和潜水混流泵

Submersible axial-flow pump and Submersible mixed-flow pump

目录

Contents

概述 Overview	1
电泵型号举例说明 Model description of electric pump	1
潜水轴流泵、混流泵结构示意图 Submersible axial-flow pump, Mixed-flow pump model drawing	2
ZQB系列潜水轴流泵技术参数 ZQB Series submersible axial pump technology performance	3-32
HQB系列潜水混流泵技术参数 HQB Type submersible mixed-flow pump technology performance	33-39
潜水轴流泵、潜水混流泵安装型式 Submersible axial-flow pump, submersible mixed-flow pump installation mode	40
钢制井筒安装外形尺寸 Installation & outline size of steel well bore	41-43
混凝土井筒安装示意图 Installation drawing of concrete well bore	44-47
进水池综合尺寸(推荐值) Comprehensive size of suction sump (recommended value)	48
附件 Accessories	49
常见故障排除 Failures causes and troubleshooting	50-51

概述

Overview

ZQB型潜水轴流泵和HQB型潜水混流泵是传统的水泵—电动机组的更新换代产品，机泵一体可长期潜入水中运行，具有一系列突出的优点。

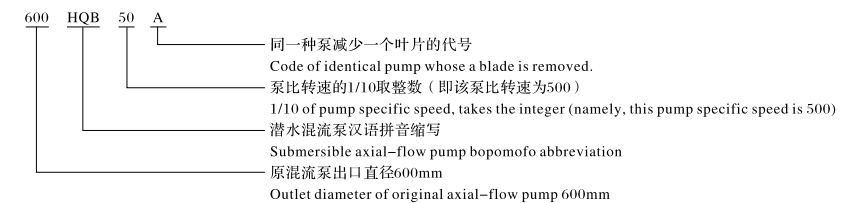
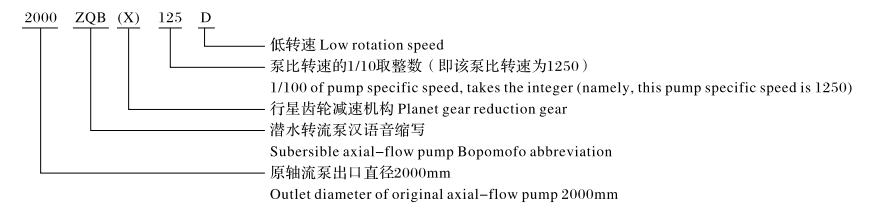
- 1、由于泵潜入水中运行，大大简化了泵站的土工及建筑结构工程，减少安装面积，可节省工程总价的30-40%。
- 2、由于水泵和电机一体，无须在现场进行轴对中心的装配工序，安装方便、快速。
- 3、噪声低、泵站内无高温，改善工作条件，也可按要求建成全地下泵站，保持地面的环境风貌。
- 4、操作方便，无须在开机前润滑水泵的橡胶轴承，而且可实现遥控和自动控制。
- 5、可解决在水位涨落大的沿江、湖泊地区建泵站的电机防洪问题。
- 6、ZQB·HQB型潜水电泵、可供农田排灌、工矿船坞、城市建设、电站给排水用。ZQB型潜水轴流泵适用低扬程，大流量场合，HQB型潜水混流泵效率高、汽蚀性能好，适用水位变动较大及扬程要求较高的场合。输送介质为水或物理化学性质类似于水的其他液体，其最高被输送液体温度为40℃。

ZQB type submersible axial-flow pump and HQB type submersible mixed-flow pump are the renewal products taking the place of traditional pump motor unit, with following visual features:

1. By reason that the pump can run in the water, it is helpful for simplifying the earth work and building engineering of pumping station, reducing installation area, and saving 30-40% of project total price.
2. For integration of water pump and motor, it is unwanted to perform axis-to-center assembly procedure on site, very convenient and expeditions to install.
3. Low noise, no high temperature brought in the pumping station, it is available in building full underground pumping station according to requirements to keep the ground environment.
4. Convenience in operation, it is not necessary to lubricate the rubber bearing of bump prior to turning on the machine, in addition, remote control and auto control are realized.
5. Can solve the flood resistance problem of the river and lake with lake with large fluctuation of water level.
6. ZQB·HQB type submersible axial-flow pump is suitable for the occasion of low head and large flow, and HQB type submersible mixed-flow pump is of high efficiency and perfect cavitation performance, suitable for the occasions of large fluctuation of water level and high head. The transmission medium is the water or other liquid similar to the water on physical and chemical property, the max temperature of transmitted liquid is 40℃

电泵型号举例说明

Model description of electric pump





潜水轴流泵、混流泵结构示意图

Submersible axial-flow pump, Mixed-flow pump model drawing

蓝深的轴流泵和混流泵，电机和水力部件采用模块化设计

The motor and hydraulic part of Lansheng axial-flow pump and mixed-flow pump are designed into modularization

防水电机，防护IP68，定子绝缘等级F，设有温度传感器。转子和主轴经过动平衡测试。

Waterproof motor, whose protection degree is up to IP168, stator insulation degree reaches F, is set with the temperature sensor, the rotor and main axis are subject to the dynamic balancing test.

主轴上、下端用终身润滑滚珠和滚子轴承支撑。上、下端轴承处均有温度传感器。

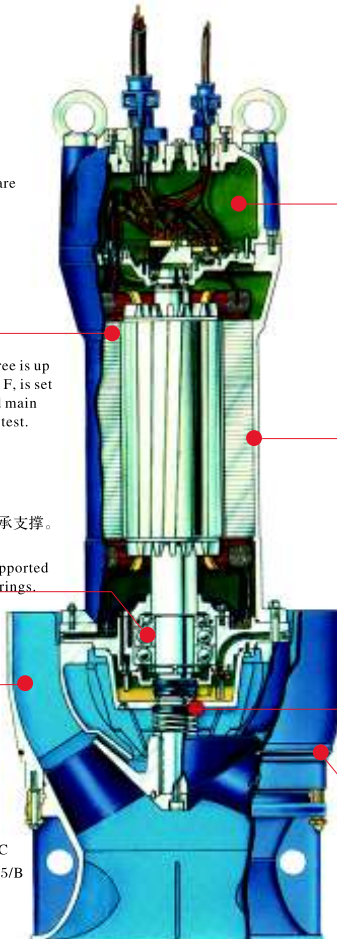
The top and bottom end of main axis is supported by lifelong lubricating ball and roller bearings. At the top and bottom bearing, there is a temperature sensor set.

水力部件带有导流扩散器，进水侧间隙可调节。

The hydraulic part is equipped with diffuser, the gap of water inlet side can be adjusted.

在生产过程中，所有水泵都按ISO2548/C标准进行常规性能测试，也可按ISO3555/B进行性能测试。

In the process of production, all water pumps are subject to the normal performance test according to standards ISO2548/C or ISO3555/B



防水接线室，防护等级IP68，电缆进口有防拉紧，防缠保护和双重密封。

Waterproof connection room protection degree reaches IP68, the cable inlet is featured with tightening resistance, wrapping resistance and double sealing.

电机浸没在介质中，直接冷却效果最好。

The motor is submersed into the medium, the best direct cooling efficiency is taken.

高质量的固体碳化硅机械密封，确保泵主轴的密封。

High-quality solid silicon carbide mechanical sealing is used to make sure the sealing of pump main axis.

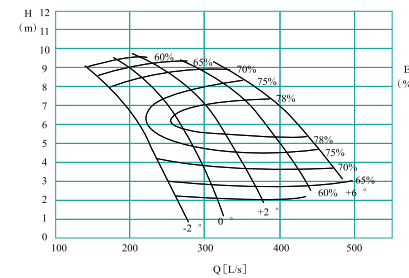
自动对中耦合机构确保水泵不会转动和密封良好。

Automatic alignment to the coupling structure makes sure the pump can't rotate and has perfect sealing.

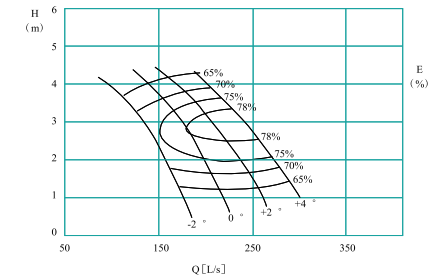
ZQB系列潜水轴流泵技术参数

ZQB Series submersible axial pump technology performance

350ZQB-70型潜水轴流泵性能曲线图
350ZQB-70 type submersible axial pump performance curve



350ZQB-70D型潜水轴流泵性能曲线图
350ZQB-70D type submersible axial pump performance curve



350ZQB-70型潜水轴流泵性能表
350ZQB-70 type submersible axial pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.		功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m ³ /h	L/s			轴功率 Shaft power	电机功率 Motor power	轴功率 Shaft power	电机功率 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	71	25.4	30		300	
	957	266	6.21	79	20.5				
	1090	303	3.59	71	14.4				
+2°	971	270	8.3	75.7	29.0	37		300	
	1115	310	6.36	78.5	24.6				
	1250	347	4.52	75	20.5				
+4°	1170	325	7.8	75.5	32.9	40		300	
	1314	365	6.3	79	28.6				
	1440	400	4.71	75	24.6				
+6°	1314	365	8.1	74.7	38.8	40		300	
	1430	397	6.94	75.7	35.8				
	1540	428	5.8	75.8	32.1				

350ZQB-70D型潜水轴流泵性能表
350ZQB-70D type submersible axial pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.		功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m ³ /h	L/s			轴功率 Shaft power	电机功率 Motor power	轴功率 Shaft power	电机功率 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	68.9	8.0	9		300	
	648	180	2.84	77.4	6.5				
	784	218	1.64	72	4.9				
+2°	680	189	3.5	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	78.5	9.6	11		300	
	882	245	2.84	77.6	8.8				
	905	251	2.22	74.4	7.4				



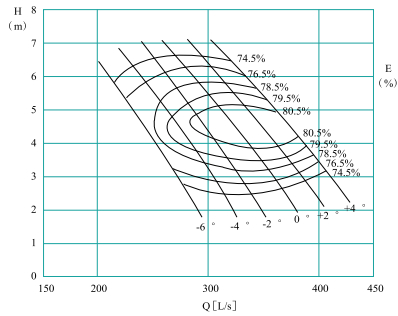
ZQB系列潜水轴流泵技术参数

ZQB Series submersible axial pump technology performance

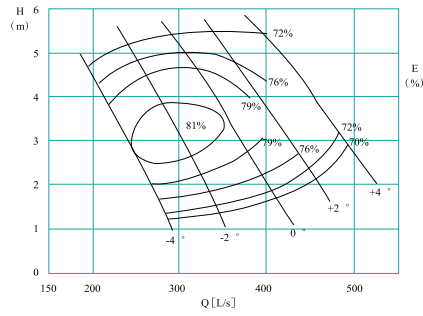
ZQB系列潜水轴流泵技术参数

ZQB Series submersible axial pump technology performance

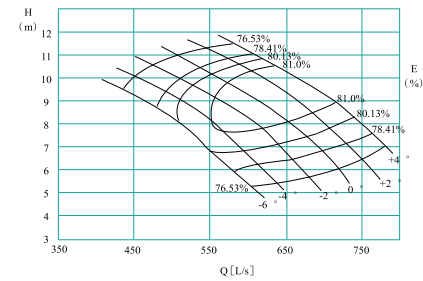
350ZQB-100型潜水轴流泵性能曲线图
350ZQB-100 type submersible axial pump performance curve



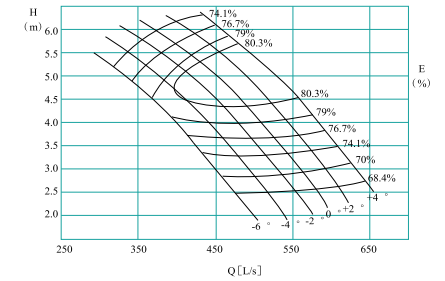
350ZQB-125型潜水轴流泵性能曲线图
350ZQB-125 type submersible axial pump performance curve



500ZQB-50型潜水轴流泵性能曲线图
500ZQB-50 type submersible axial pump performance curve



500ZQB-50D型潜水轴流泵性能曲线图
500ZQB-50D type submersible axial pump performance curve



350ZQB-100型潜水轴流泵性能表
350ZQB-100 type submersible axial pump performance data

350ZQB-125型潜水轴流泵性能表
350ZQB-125 type submersible axial pump performance data

500ZQB-50型潜水轴流泵性能表
500ZQB-50 type submersible axial pump performance data

500ZQB-50D型潜水轴流泵性能表
500ZQB-50D type submersible axial pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller	
	m ³ /h	L/s				轴功率 Shaft power	电机功率 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			22
	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	30		
	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	30		
	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	30			
	1350	375	4.45	80.7	20.3				
	1440	400	3.4	76.5	17.4				

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller	
	m ³ /h	L/s				轴功率 Shaft power	电机功率 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			
-2°	900	250	4.6		78	14.5			15
	1113	309	2.84		81.7	10.5			
	1262	351	1.18		65.3	6.2			
0°	1111	309	5.02		75.6	20.1	22		
	1304	362	3.35		80.1	14.9			
	1534	426	1.22		64.6	7.9			
+2°	1163	323	5.89		70	26.7	30		
	1453	404	3.8		78.6	19.1			
	1649	458	2.05		70.3	13.1			
+4°	1440	400	5.35	72	29.2	30			
	1651	459	3.91	72.9	24.1				
	1782	495	2.84	70.9	19.5				

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller	
	m ³ /h	L/s				轴功率 Shaft power	电机功率 Motor power		
-6°	1522	423	9.78	980	75.6	53.7	55	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			65
	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		
	2131	592	8.5		81	60.9			
	2368	658	6.61		78.3	54.5			
0°	1801	500	10.82		75.6	70.2	75		
	2300	639	8.54		81	66.1			
	2536	704	6.67		78.3	58.9			
+2°	2212	614	10.02	81	74.6	90			
	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	90			
	2556	710	9	81.5	76.9				
	2826	785	7.04	78.3	69.2				

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller	
	m ³ /h	L/s				轴功率 Shaft power	电机功率 Motor power		
-6°	1115	310	5.32	730	74.7	21.6	22	450	
	1373	381	4.44		79.4	20.9			
	1476	410	3.8		77.5	19.7			
-4°	1192	331	5.62		74.7	24.4			30
	1480	411	4.58		8.03	23.0			
	1626	452	3.69		77.5	21.1			
-2°	1265	351	5.82		74.7	26.9	30		
	1588	441	4.72		80.3	25.4			
	1764	490	3.68		77.5	22.8			
0°	1342	373	6		74.7	29.4	30		
	1716	476	4.74		80.3	27.6			
	1889	525	3.7		77.5	24.6			
+2°	1675	458	5.56	80.3	31.1	37			
	1810	503	4.83	80.7	29.5				
	1999	555	3.77	77.5	26.5				
+4°	1617	449	6.15	74.7	36.2	37			
	1904	529	4.99	80.7	32.1				
	2105	585	3.9	77.5	28.9				



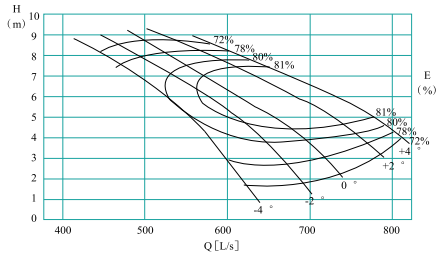
ZQB系列潜水轴流泵技术参数

ZQB Series submersible axial pump technology performance

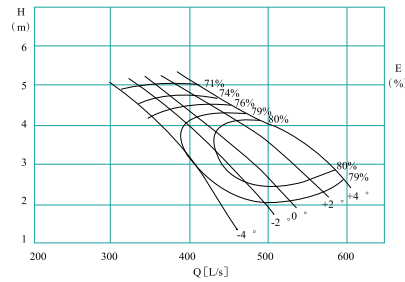
ZQB系列潜水轴流泵技术参数

ZQB Series submersible axial pump technology performance

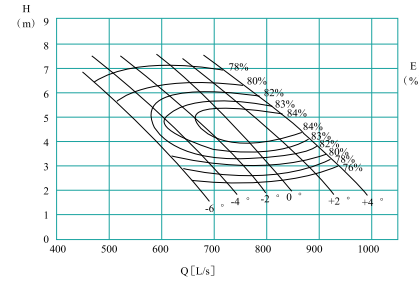
500ZQB-70型潜水轴流泵性能曲线图
500ZQB-70 type submersible axial pump performance curve



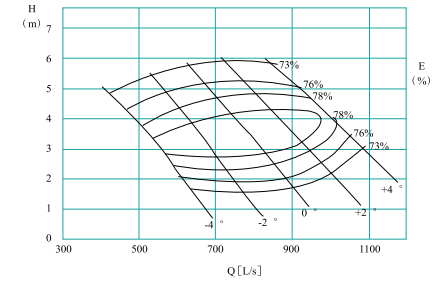
500ZQB-70D型潜水轴流泵性能曲线图
500ZQB-70D type submersible axial pump performance curve



500ZQB-100型潜水轴流泵性能曲线图
500ZQB-100 type submersible axial pump performance curve



500ZQB-125型潜水轴流泵性能曲线图
500ZQB-125 type submersible axial pump performance curve



500ZQB-70型潜水轴流泵性能表
500ZQB-70 type submersible axial pump performance data

500ZQB-70D型潜水轴流泵性能表
500ZQB-70D type submersible axial pump performance data

500ZQB-100型潜水轴流泵性能表
500ZQB-100 type submersible axial pump performance data

500ZQB-125型潜水轴流泵性能表
500ZQB-125 type submersible axial pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m ³ /h	L/s				轴功率 Shaft power	电机功率 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		
-2°	1720	478	8.2		74.5	51.6		
	2010	558	6.43		80	44.0		
	2250	625	4.9		73.5	40.9		
0°	2099	583	7		79.9	50.1		
	2160	600	6.3		81.2	45.7		
	2510	697	3.9		77	34.6		
+2°	2340	650	6.6		81.5	51.6		
	2560	711	5.6		82	47.6		
	2660	739	4.67		81.5	41.5		
+4°	2556	710	6.2	82.2	52.5			
	2700	750	5.6	83	49.6			
	2858	794	4.4	79	43.4			

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m ³ /h	L/s				轴功率 Shaft power	电机功率 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		
-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			
	1680	517	3.52	82	21.8			
	2100	583	2.82	81.5	19.8			

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m ³ /h	L/s				轴功率 Shaft power	电机功率 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		
	2340	650	4		84.3	30.3		
	2466	685	3.15		81.6	25.9		
-2°	2160	600	6.18		81.6	44.6		
	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		
	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			
	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			
	2995	832	5	85.2	47.9			
	3276	910	3.6	81.6	39.4			

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m ³ /h	L/s				轴功率 Shaft power	电机功率 Motor power	
-4°	1620	450	4.55	980	75	26.8	45	450
	1962	545	3.2		80.5	21.3		
	2196	610	2		75	16.0		
-2°	2070	575	4.75		78	34.4		
	2394	665	3.3		81.5	26.4		
	2700	750	1.9		75	18.6		
0°	2484	690	4.8		78.5	41.4		
	2844	790	3.5		82.5	32.9		
	3204	890	2		73.5	23.8		
+2°	2808	780	5.1		76.5	51.0		
	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			



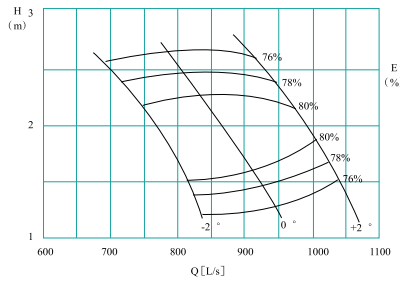
ZQB系列潜水轴流泵技术参数

ZQB Series submersible axial pump technology performance

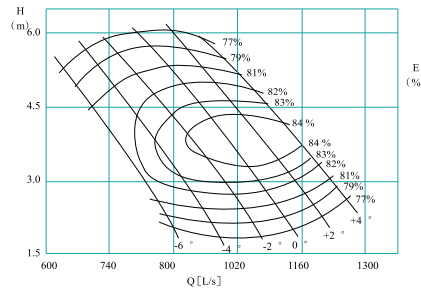
ZQB系列潜水轴流泵技术参数

ZQB Series submersible axial pump technology performance

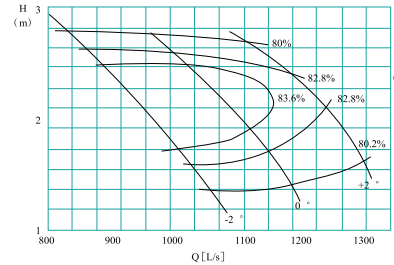
500ZQB-160型潜水轴流泵性能曲线图
500ZQB-160 type submersible axial pump performance curve



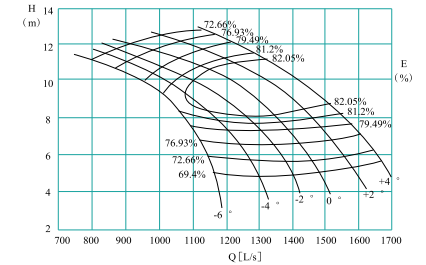
600ZQB-100型潜水轴流泵性能曲线图
600ZQB-100 type submersible axial pump performance curve



600ZQB-160型潜水轴流泵性能曲线图
600ZQB-160 type submersible axial pump performance curve



700ZQB-50型潜水轴流泵性能曲线图
700ZQB-50 type submersible axial pump performance curve



500ZQB-160型潜水轴流泵性能表
500ZQB-160 type submersible axial pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m ³ /h	L/s				轴功率 Shaft power	电机功率 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	45		
	3194	887	3.02	82.0	32.1			
	3474	965	2.13	80.2	25.1			

600ZQB-100型潜水轴流泵性能表
600ZQB-100 type submersible axial pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m ³ /h	L/s				轴功率 Shaft power	电机功率 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	55		
	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			

600ZQB-160型潜水轴流泵性能表
600ZQB-160 type submersible axial pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m ³ /h	L/s				轴功率 Shaft power	电机功率 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型潜水轴流泵性能表
700ZQB-50 type submersible axial pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m ³ /h	L/s				轴功率 Shaft power	电机功率 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系列潜水轴流泵技术参数

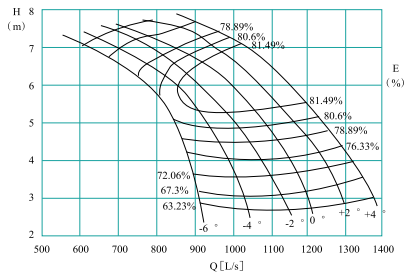
ZQB Series submersible axial pump technology performance

ZQB系列潜水轴流泵技术参数

ZQB Series submersible axial pump technology performance

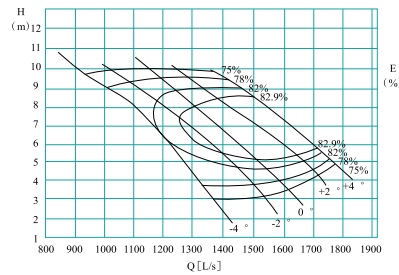
700ZQB-50D型潜水轴流泵性能曲线图

700ZQB-50D type submersible axial pump performance curve



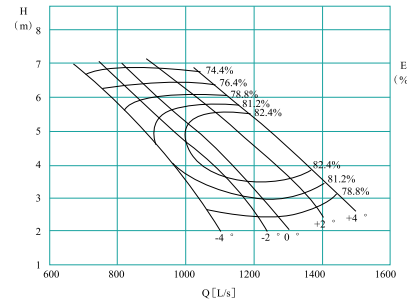
700ZQB-70型潜水轴流泵性能曲线图

700ZQB-70 type submersible axial pump performance curve



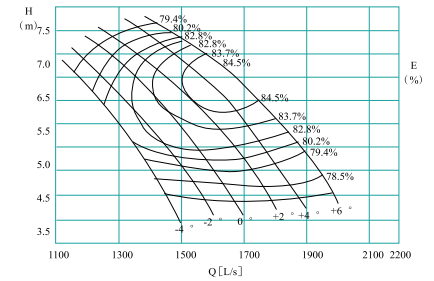
700ZQB-70D型潜水轴流泵性能曲线图

700ZQB-70D type submersible axial pump performance curve



700ZQB-70*型潜水轴流泵性能曲线图

700ZQB-70* type submersible axial pump performance curve



700ZQB-50D型潜水轴流泵性能表

700ZQB-50D type submersible axial pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.		功率 (kW) Power		叶轮直径 mm Diameter of impeller									
	m ³ /h	L/s			轴功率 Shaft power	电机功率 Motor power	轴功率 Shaft power	电机功率 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				132	650							
	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							160	90				
	3444	957	5.68		81.9	65.1												
0°	4062	1128	3.31		80.0	52.3										190	120	
	2730	758	7.15		76.2	69.8												
	3697	1027	5.83		81.5	72.1												
+2°	4124	1146	3.04		71.9	47.5												
	3082	856	7.61	76.2	83.9													
	3890	1081	6.00	82.4	77.5													
+4°	4559	1266	3.69	71.9	63.8	230	180											
	3773	1048	6.99	81.4	88.3													
	4102	1139	6.15	82.4	83.4													
	4781	1328	3.88	71.9	70.3				250	200								

700ZQB-70型潜水轴流泵性能表

700ZQB-70 type submersible axial pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.		功率 (kW) Power		叶轮直径 mm Diameter of impeller								
	m ³ /h	L/s			轴功率 Shaft power	电机功率 Motor power	轴功率 Shaft power	电机功率 Motor power									
-4°	3038	844	10.80	730	72.1	124.0	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	650							
	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						160	90				
	4795	1332	7.25		82.5	114.8											
+2°	5562	1545	4.48		78.6	86.4									190	120	
	5195	1443	7.58		82.6	129.9											
	5682	1578	6.31		83.5	117.0											
+4°	5922	1645	5.36		82.8	104.5											
	5760	1600	7.20	83.2	135.8												
	5994	1665	6.43	84.2	124.7												
	6340	1761	5.05	80.3	108.7	230	180										

700ZQB-70D型潜水轴流泵性能表

700ZQB-70D type submersible axial pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.		功率 (kW) Power		叶轮直径 mm Diameter of impeller								
	m ³ /h	L/s			轴功率 Shaft power	电机功率 Motor power	轴功率 Shaft power	电机功率 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			132	650							
	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						160	90				
	3820	1061	4.66		81.5	59.5											
+2°	4446	1235	2.85		77.4	44.6									190	120	
	4060	1128	5.17		81.8	69.9											
	4529	1258	4.00		82.3	60.0											
+4°	4720	1311	3.44		81.8	54.1											
	4658	1294	4.60	83.3	70.1												
	4975	1382	3.68	82.8	60.4												
	5120	1422	3.20	79.3	56.3	230	180										

700ZQB-70*型潜水轴流泵性能表

700ZQB-70* type submersible axial pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.		功率 (kW) Power		叶轮直径 mm Diameter of impeller								
	m ³ /h	L/s			轴功率 Shaft power	电机功率 Motor power	轴功率 Shaft power	电机功率 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			132	650							
	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						160	90				
	5436	1510	5.7		83.7	100.9											
+2°	6084	1690	4.05		76.4	87.9									190	120	
	5040	1400	7		81.1	118.5											
	5652	1570	6		84.0	110.0											
+4°	6480	1800	4.1		79.4	91.2											
	5256	1460	7.25	81.1	128.0												
	6012	1670	6.2	84.5	120.2												
	6840	1900	4.17	79.4	97.9	230	180										
5544	1540	7.45	81.1	138.8													
6228	1730	6.45	84.5	129.5													
	7200	2000	4.47	79.4	110.5												