

ZMB GATE PUMP



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WeChat

Lamsun Fluid Technology Pte. Ltd.

Tel: +65 60110604

Phone: +65 81506618

E-mail: contact@lamsun-pump.com

Web: <http://www.lamsun-pump.com>

Add: 55 AYER RAJAH CRESCENT, #02-02, SINGAPORE

Post Code: 139949

Lamsun Fluid Technology Pte.Ltd.

Product Overview

Main Application

The ZMB-type gate pump is a low-head, high-flow horizontal pump designed for urban rainwater management, flood control and drainage, agricultural irrigation, and pumping stations in medium-to-low head applications.

Technical Features

The ZMB-type gate pump integrates a submersible pump directly onto the gate body, combining the functions of a traditional pump station and a gate station into a single hydraulic facility. This design allows it to both regulate water flow and divert or discharge water, making it ideal for scenarios requiring dual functionalities. Key advantages include compact layout, minimal civil engineering work, simple operation, and easy maintenance—features well-suited for flood control, water diversion, irrigation, and drainage.

The pump is connected to the gate via a gate plate, which is positioned and fixed for stability. The outlet is equipped with a flap gate for reliable flow cut off.

Key technical features include:

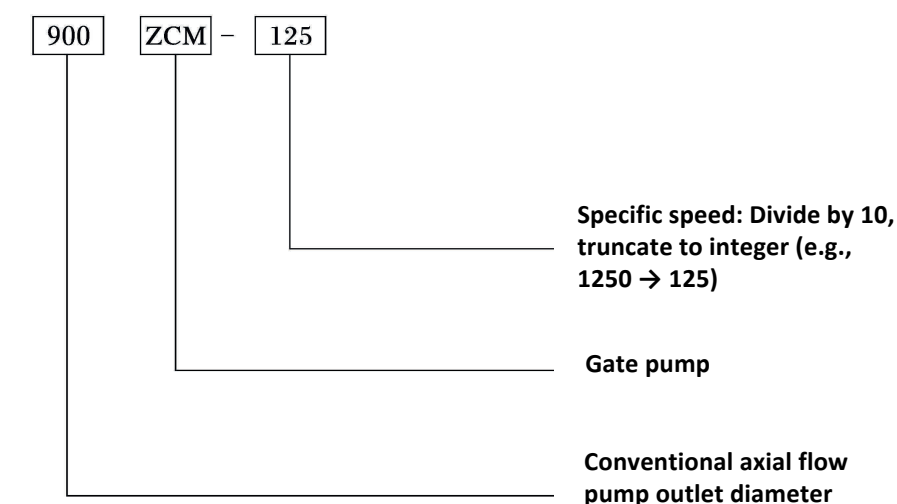
- **Compact structure:** Reduced axial dimensions, lightweight design, and minimal metal usage.
- **Underwater operation:** Low noise and vibration levels, effectively minimizing acoustic and thermal pollution.
- **Efficient flow channel:** Short, smooth flow passages reduce head loss and enhance installation efficiency.
- **Symmetrical design:** Allows flexible bidirectional installation for versatile water extraction.
- **Rapid deployment:** Lightweight and compact size enable quick coupling installation.
- **Cost-effective engineering:** Simplifies pump station structures, reduces construction volume and costs, and shortens project timelines.
- **Automated management:** Supports intelligent control systems for streamlined operation.

Applicable Scope

The ZMB-type gate pump is widely used in flood control, water diversion, irrigation, and drainage projects, including urban rainwater pumping stations, hydrological flood control stations, agricultural irrigation systems, and drainage hubs. It excels in low-head, high-flow applications, offering superior installation efficiency compared to conventional vertical axial flow pumps or submersible axial flow pumps under similar head and specific speed conditions. Performance improvements become more pronounced at lower heads and higher specific speeds.

The pump transports water or liquids with physical and chemical properties similar to water, with a maximum operating temperature of 40°C.

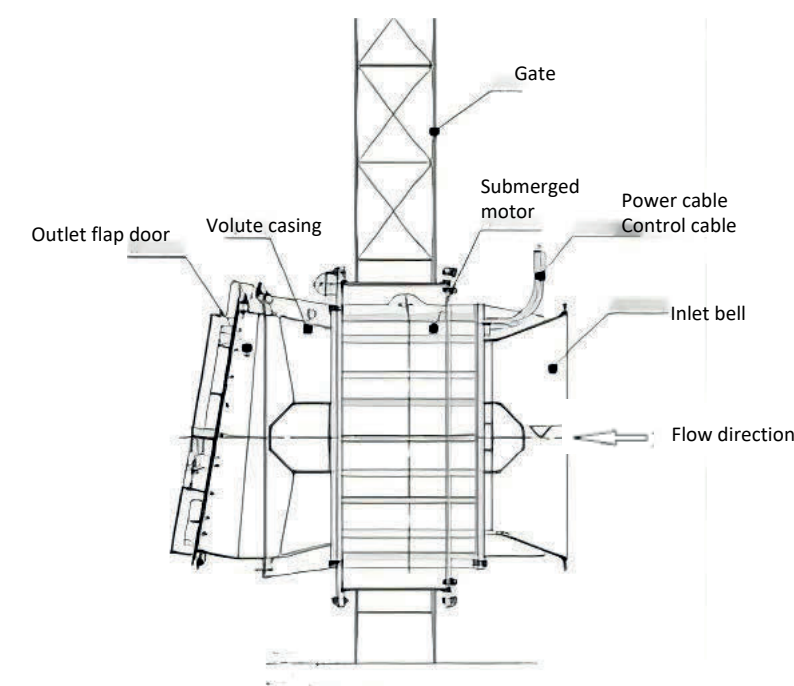
Model Examples and Specifications



Structure and Installation

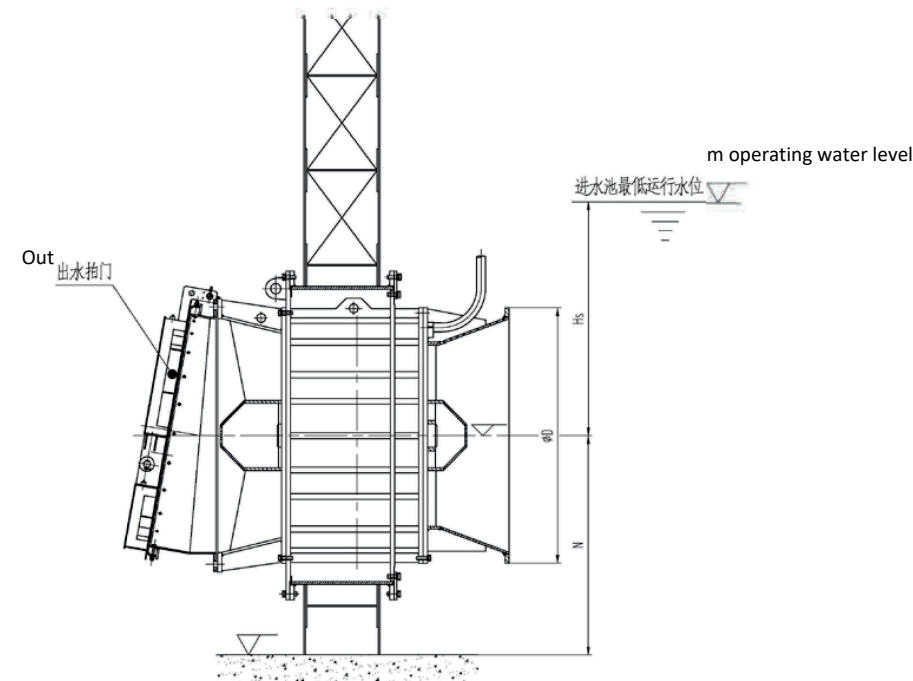
Structure Overview

The ZMB-type gate pump is mainly composed of an inlet bell, a submerged motor assembly, a volute casing, an outlet flap door, a gate, and related connecting components, as shown in Figure 1.



Installation Dimensions

The ZMB-type gate pump is mounted and fixed onto the gate body, integrated with the gate system. It ascends and descends simultaneously with the gate body during operation. For installation details, refer to Figure 2.



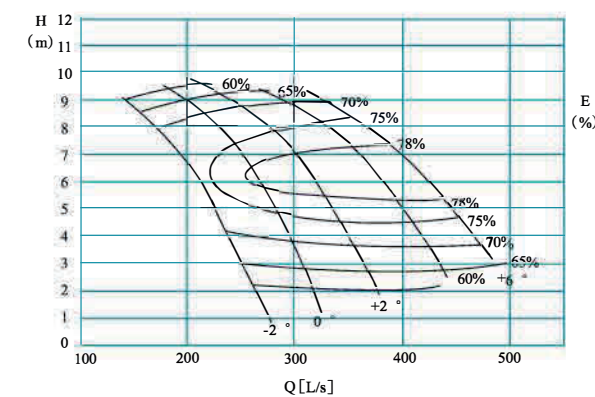
Installation dimensions are as shown in the following table

Model	Inlet flange diameter D (mm)	Outlet flap door (mm)	Pump center height (mm)	Minimum submergence depth Hs (mm)
350ZMB	600	DN450	510	800
500ZMB	755	DN600	640	1000
600ZMB	860	DN700	730	1100
700ZMB	1075	DN900	910	1700
800ZMB	1275	DN1100	1080	1800
900ZMB	1375	DN1200	1160	2000
1200ZMB	1740	DN1500	1480	2500
1400ZMB	1870	DN1600	1580	2800

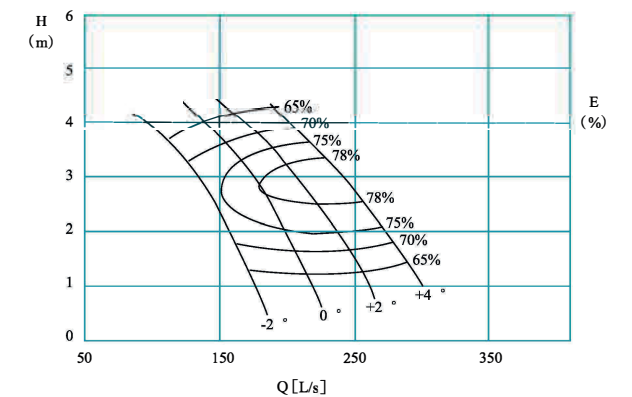
ZMB-Type Gate Pump Technical Specifications

ZMB Series-DN350

350ZMB-70 gate pump performance curve



350ZMB-70D gate pump performance curve



350ZMB-70 gate pump performance data

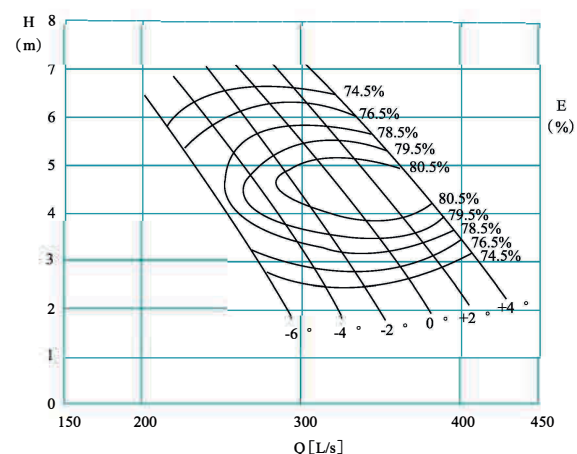
叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head	转速n Speed	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m³/h	L/s	m	r/min		轴功率 Shaft power	电机功率 Motor power	
-2°	670	186	6.9	1450	71	17.8	18.5	300
	811	225	4.77		72.4	14.6		
	882	245	3.42		68	12.1		
0°	748	208	8.67		71	24.9	30	
	938	261	6.21		79	20.1		
	1068	297	3.59		74	14.1		
+2°	953	265	8.3		75.7	28.5	37	
	1093	304	6.36		78.5	24.1		
	1225	340	4.52		75	20.1		
+4°	1147	319	7.8		75.5	32.3	40	
	1288	358	6.3		79	28.0		
	1411	392	4.71		75	24.1		
+6°	1288	358	8.1		74.7	38.0	40	
	1401	389	6.94		75.5	35.1		
	1509	419	5.8		75.8	31.5		

350ZMB-70D gate pump performance data

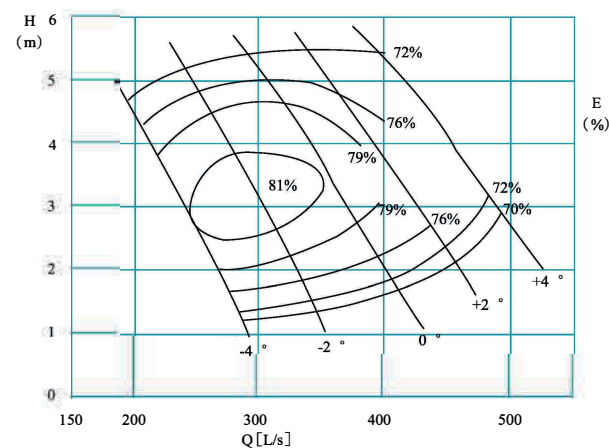
叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head	转速n Speed	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m³/h	L/s	m	r/min		轴功率 Shaft power	电机功率 Motor power	
-2°	441	123	3.36	980	67	6.0	7.5	300
	543	151	2.16		70.2	4.6		
	590	164	1.54		65.5	3.8		
0°	505	140	3.94		68.9	7.9	9	
	635	176	2.84		77.4	6.3		
	768	213	1.64		72	4.8		
+2°	666	185	3.5		75	8.5	11	
	741	206	2.9		76.8	7.6		
	829	230	2.06		73	6.4		
+4°	773	215	3.52		78.5	9.4	11	
	864	240	2.84		77.6	8.6		
	887	246	2.22		74.4	7.2		

ZMB Series-DN350

350ZMB-100 gate pump performance curve



350ZMB-125gate pump performance curve



350ZMB-100 gate pump performance data

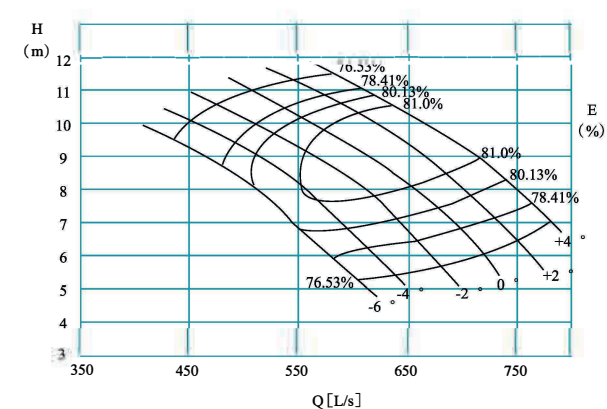
叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-6°	794	221	5.4	1450	76.5	15.3	18.5	300
	882	245	4.03		78.4	12.4		
	953	265	3.2		76.5	10.9		
-4°	860	239	5.8		76.5	17.8	22	
	988	274	4.1		79.6	13.9		
	1058	294	3.2		76.5	12.1		
-2°	935	260	5.83		77.5	19.2	30	
	1058	294	4.2		80.2	15.1		
	1164	323	2.9		77.5	11.9		
0°	1012	281	6.0		77.5	21.4	30	
	1164	323	4.21		80.5	16.6		
	1259	350	2.89		77.5	12.8		
+2°	1069	297	6.0		76.7	22.8	30	
	1235	343	4.43		81	18.4		
	1341	372	3.2		76.5	15.3		
+4°	1147	319	6.4		75.5	26.5	30	
	1323	368	4.45		80.7	19.9		
	1411	392	3.4		76.5	17.1		

350ZMB-125 gate 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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-4°	775	215	3.78	1450	79.1	10.1	11	300
	878	244	2.72		81.1	8.0		
	985	274	1.39		70.2	5.3		
-2°	882	245	4.6		78	14.2	15	
	1091	303	2.84		81.7	10.3		
	1237	344	1.18		65.3	6.1		
0°	1089	302	5.02		75.6	19.7	22	
	1278	355	3.35		80.1	14.6		
	1503	418	1.22		64.6	7.7		
+2°	1140	317	5.89		70	26.1	30	
	1424	396	3.8		78.6	18.8		
	1616	449	2.05		70.3	12.8		
+4°	1411	392	5.35		72	28.6	30	
	1618	449	3.91		72.9	23.6		
	1746	485	2.84		70.9	19.1		

ZMB Series-DN500

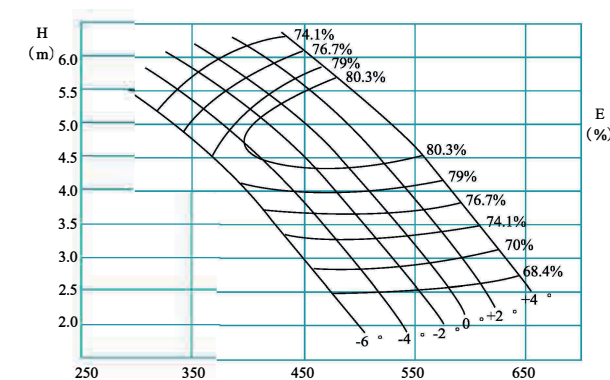
500ZMB-50gate pump performance curve



500ZMB-50gate pump performance data

叶片安装角度 Setting angle of blade	流量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	
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power		
-6°	1492	414	9.78	980	75.6	52.6	65	450	
	1806	502	8		80.2	49.1			
	1941	539	6.85		78.3	46.3			
-4°	1568	436	10.12		75.6	57.2			75
	1947	541	8.25		81	54.0			
	2139	594	6.65		78.3	49.5			
-2°	1664	462	10.48		75.6	62.9	90		
	2088	580	8.5		81	59.7			
	2321	645	6.61		78.3	53.4			
0°	1765	490	10.82		75.6	68.8			90
	2254	626	8.54		81	64.8			
	2485	690	6.67		78.3	57.7			
+2°	2168	602	10.02		81	73.1	90		
	2381	662	8.7		81.5	69.3			
	2629	730	6.8		78.3	62.2			
+4°	2127	591	11.06		75.6	84.8			90
	2505	696	9		81.5	75.4			
	2769	769	7.04		78.3	67.9			

500ZMB-50Dgate pump performance curve

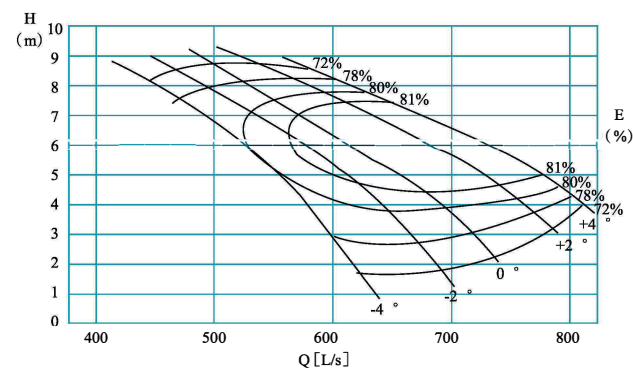


500ZMB-50D gate pump performance data

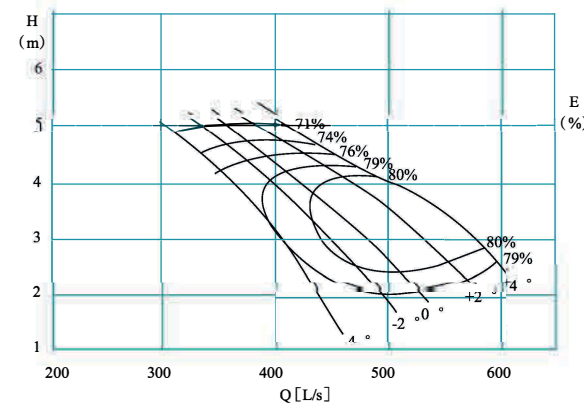
叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller		
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power			
-6°	1093	304	5.32	730	74.7	21.2	30	450		
	1346	374	4.44		79.4	20.5				
	1446	402	3.8		77.5	19.3				
-4°	1168	324	5.62		74.7	23.9			30	
	1450	403	4.58		80.3	22.5				
	1593	443	3.69		77.5	20.7				
-2°	1240	344	5.82		74.7	26.3				30
	1556	432	4.72		80.3	24.9				
	1729	480	3.68		77.5	22.4				
0°	1315	365	6		74.7	28.8	37			
	1679	466	4.74		80.3	27.0				
	1851	514	3.7		77.5	24.1				
+2°	1615	449	5.56		80.3	30.5			37	
	1774	493	4.83		80.7	28.9				
	1959	544	3.77		77.5	26.0				
+4°	1585	440	6.14		74.7	35.5				37
	1866	518	4.99		80.7	31.4				
	2063	573	3.9		77.5	28.3				

ZMB系列-DN500

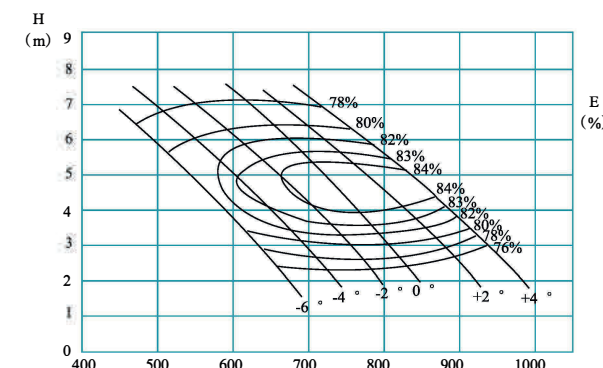
500ZMB-70 闸门泵性能曲线图
500ZMB-70 gate pump performance curve



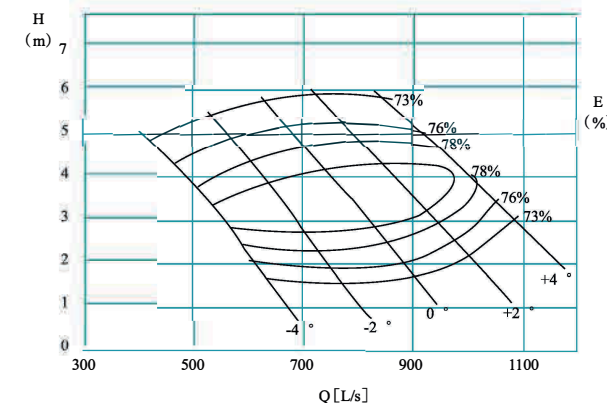
500ZMB-70Dgate pump performance curve



500ZMB-100gate pump performance curve



500ZMB-125gate pump performance curve



500ZMB-70 闸门泵性能表
500ZMB-70 gate 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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-4°	1343	373	9.44	980	70	49.3	55	450
	1725	479	7		79.6	41.3		
	2009	558	4.35		78.5	30.3		
-2°	1686	468	8.2		74.5	50.6		
	1970	547	6.43		80	43.1		
	2205	613	4.9		73.5	40.1		
0°	2057	571	7		79.9	49.1		
	2117	588	6.3		81.2	44.8		
	2460	683	3.9		77	34.0		
+2°	2293	637	6.6		81.5	50.6		
	2509	697	5.6		82	46.7		
	2607	724	4.67		81.5	40.7		
+4°	2505	696	6.2	82.2	51.5			
	2646	735	5.6	83	48.6			
	2801	778	4.4	79	42.5			

500ZMB-70D gate pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity m³/h	L/s	扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率(kW) Power 轴功率 Shaft power	电机功率 η % Motor power	叶轮直径 mm Diameter of impeller
-4°	1000	278	5.32	730	68.2	21.2	30	450
	1284	357	3.95		78.4	17.6		
	1499	417	2.45		77.2	13.0		
-2°	1147	319	5.16		73	22.1		
	1470	408	3.62		78.8	18.4		
	1642	456	2.76		71.9	17.2		
0°	1450	403	4.16		77.8	21.1		
	1578	438	3.56		80.1	19.1		
	1833	509	2.16		75.6	14.3		
+2°	1676	466	3.95		80.4	22.4		
	1872	520	3.1		80.9	19.5		
	1950	542	2.63		80.4	17.4		
+4°	1607	446	4.44	75.4	25.8			
	1823	506	3.52	82	21.3			
	2058	572	2.82	81.5	19.4			

500ZMB-100gate pump performance data

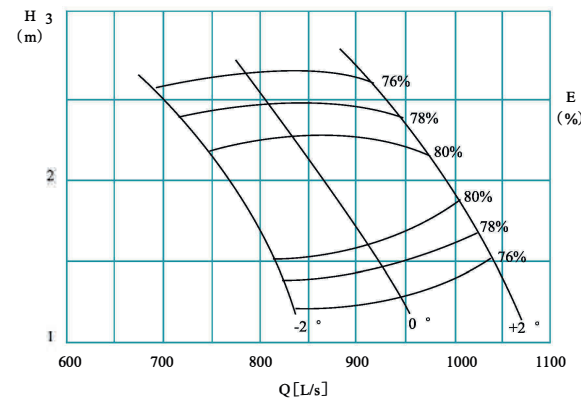
叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-6°	1729	480	6.05	980	79.7	35.8	45	450
	2117	588	3.7		82	26.0		
	2230	619	2.9		79.7	22.1		
-4°	1940	539	6		81.6	38.9		
	2293	637	4		84.3	29.7		
	2417	671	3.15		81.6	25.4		
-2°	2117	588	6.18		81.6	43.7	55	
	2463	684	4.2		85.2	33.1		
	2646	735	3.1		81.6	27.4		
0°	2276	632	6.4		81.6	48.6		
	2646	735	4.3		85.2	36.4		
	2858	794	3.05		81.6	29.1		
+2°	2448	680	6.4		81.6	52.3	65	
	2787	774	4.68		85.2	41.7		
	3052	848	3.25		81.6	33.1		
+4°	2681	745	6.2		81.6	55.5		
	2935	815	5		85.2	46.9		
	3210	892	3.6		81.6	38.6		

500ZMB-125 gate 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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-4°	1588	441	4.55	980	75	26.2	30	450
	1923	534	3.2		80.5	20.8		
	2152	598	2		75	15.6		
-2°	2029	564	4.75		78	33.7	37	
	2346	652	3.3		81.5	25.9		
	2646	735	1.9		75	18.3		
0°	2434	676	4.8		78.5	40.6	45	
	2787	774	3.5		82.5	32.2		
	3140	872	2		73.5	23.3		
+2°	2752	764	5.1		76.5	50.0	55	
	3175	882	3.6		82	38.0		
	3440	956	2.5		75	31.2		
+4°	3299	916	4.4		78.6	50.3		
	3563	990	4		79.5	48.9		
	3757	1044	3.6		76.5	48.2		

ZMB Series-DN500

500ZMB-160gate pump performance curve

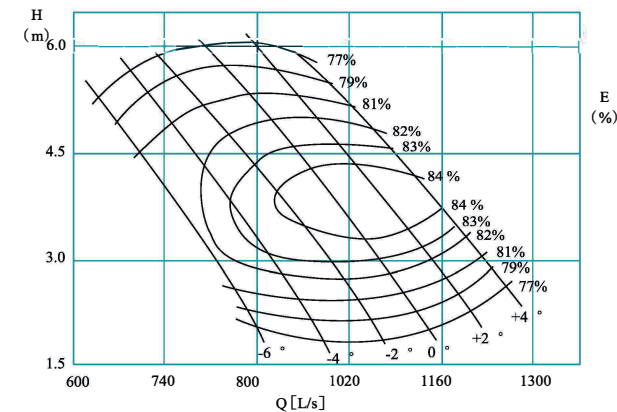


500ZMB-160 gate pump performance data

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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-2°	2148	597	3.72	980	79.3	27.5	37	450
	2494	693	2.56		84.2	20.7		
	2748	763	1.71		79.3	16.1		
0°	2518	699	3.57		79.3	30.9	45	
	2897	805	2.57		84.2	24.1		
	3095	860	1.79		79.3	19.0		
+2°	2929	814	3.41		79.3	34.3		
	3130	869	3.02		82.0	31.4		
	3405	946	2.13		80.2	24.6		

ZMB Series-DN600

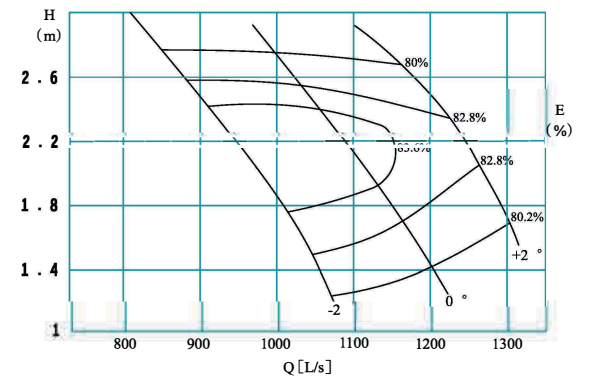
600ZMB-100gate pump performance curve



600ZMB-100 gate pump performance data

叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head	转速n Speed	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m³/h	L/s	m	r/min		轴功率 Shaft power	电机功率 Motor power	
-6°	2505	696	4.45	730	81.1	37.5	45	550
	2752	764	3.49		81.6	32.1		
	3069	853	2.43		77.0	26.4		
2964	823	4.00	83.1		38.9			
3069	853	3.54	83.4		35.5			
3281	911	2.66	81.3		29.3			
-2°	3069	853	4.45		83.0	44.8	55	
	3352	931	3.49		84.0	37.9		
	3599	1000	2.52		81.2	30.4		
3281	911	4.47	82.7		48.3			
3599	1000	3.59	84.2		41.8			
3775	1049	2.95	83.0		36.6			
0°	3846	1068	3.73		84.0	46.5		
	4022	1117	3.37		84.2	43.9		
	4092	1137	2.90		81.7	39.6		
+2°	4092	1137	3.79		84.2	50.2		
	4198	1166	3.41		83.3	46.8		
	4392	1220	3.00		81.0	44.3		

600ZMB-160gate pump performance curve

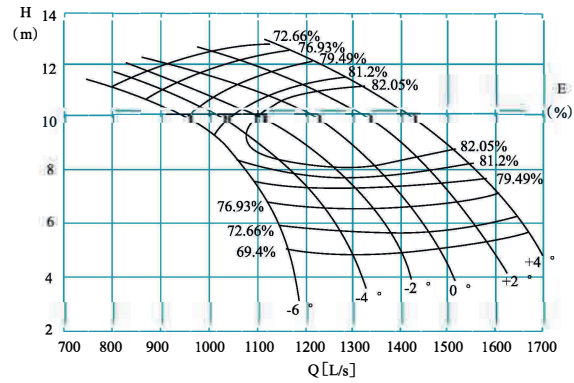


600ZMB-160 gate pump performance data

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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-2°	2921	811	3.08	730	80.2	30.6	37	550
	3394	943	2.12		85.0	23.1		
	3738	1038	1.42		80.2	18.0		
0°	3423	951	2.96		80.2	34.4	45	
	4086	1135	1.77		82.8	23.8		
	4209	1169	1.48		80.2	21.2		
+2°	3984	1107	2.83		80.2	38.3	45	
	4258	1183	2.51		82.8	35.2		
	4633	1287	1.76		81.1	27.4		

ZMB系列-DN700

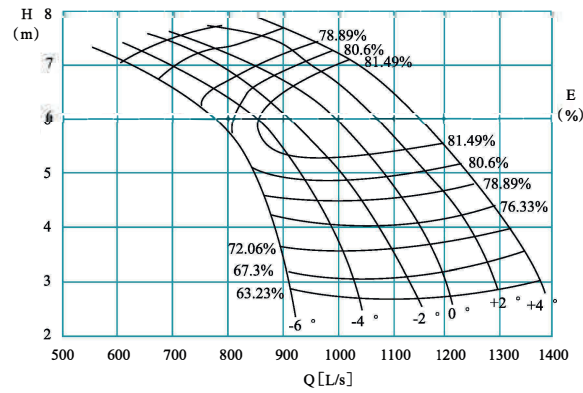
700ZMB-50gate pump performance curve



700ZMB-50 gate 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	
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power		
-6°	2770	770	11.07	730	72.7	115.0	132	600	
	3641	1011	8.75		81.5	106.5			
	4052	1126	4.24		65.0	72.0			
-4°	3815	1060	9.39		82.0	119.0			
	3930	1092	9.00		82.1	117.4			
	4604	1279	5.60		72.7	96.6			
-2°	3041	845	11.70		72.7	133.4	160		
	4247	1180	9.00		82.5	126.3			
	5010	1392	5.25		70.0	102.4			
0°	3367	935	11.32		76.9	135.1			185
	4560	1267	9.24		82.1	139.8			
	5087	1413	4.81		72.7	91.7			
+2°	3801	1056	12.05		76.9	162.3	185		
	4798	1333	9.50		83.0	149.7			
	5623	1562	5.85		72.7	123.3			
+4°	4654	1293	11.07		82.0	171.2			
	5059	1405	9.75		83.0	161.9			
	5897	1638	6.14		72.7	135.7			

700ZMB-50Dgate pump performance curve

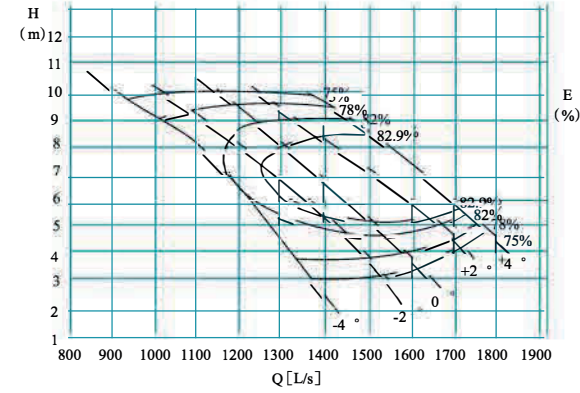


700ZMB-50D gate pump performance data

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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-6°	2201	611	6.99	590	71.9	58.3	75	600
	2893	804	5.52		80.9	53.8		
	3219	894	2.68		64.0	36.7		
-4°	3031	842	5.93		81.4	60.2		
	3122	867	5.68		81.8	59.1		
	3658	1016	3.54		71.9	49.1		
-2°	2416	671	7.39		71.9	67.7		
	3375	938	5.68		81.9	63.8		
	3981	1106	3.31		70.0	51.3		
0°	2675	743	7.15		76.2	68.4		
	3623	1006	5.83		81.5	70.6		
	4042	1123	3.04		71.9	46.6		
+2°	3020	839	7.61		76.2	82.2	90	
	3812	1059	6.00		82.4	75.6		
	4468	1241	3.69		71.9	62.5		
+4°	3698	1027	6.99		81.4	86.5		
	4020	1117	6.15		82.4	81.8		
	4685	1301	3.88		71.9	68.9		

ZMB Series-DN700

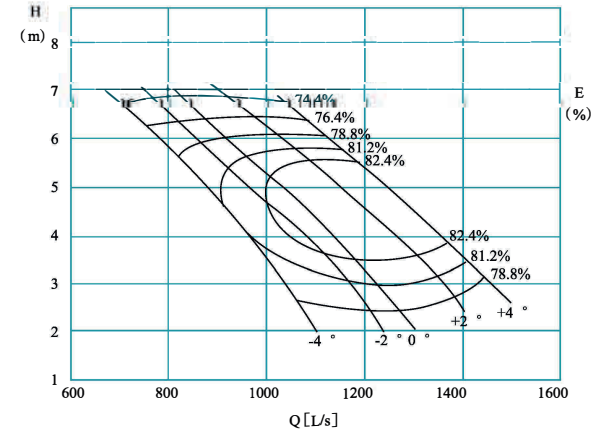
700ZMB-70gate pump performance curve



700ZMB-70 gate 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		
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power			
-4°	2977	827	10.80	730	72.1	121.5	132	650		
	3830	1064	8.04		82.0	102.3				
	4472	1242	4.99		81.0	75.1				
-2°	3751	1042	9.41		76.5	125.7			160	
	4378	1216	7.58		81.4	111.1				
	4895	1360	5.63		75.4	99.6				
0°	4503	1251	8.04		81.3	121.4				160
	4699	1305	7.25		82.5	112.5				
	5451	1514	4.48		78.6	84.7				
+2°	5091	1414	7.58		82.6	127.3	160			
	5568	1547	6.31		83.5	114.7				
	5804	1612	5.36		82.8	102.4				
+4°	5645	1568	7.20		83.2	133.1			160	
	5874	1632	6.43		84.2	122.2				
	6213	1726	5.05		80.3	106.5				

700ZMB-70Dgate pump performance curve

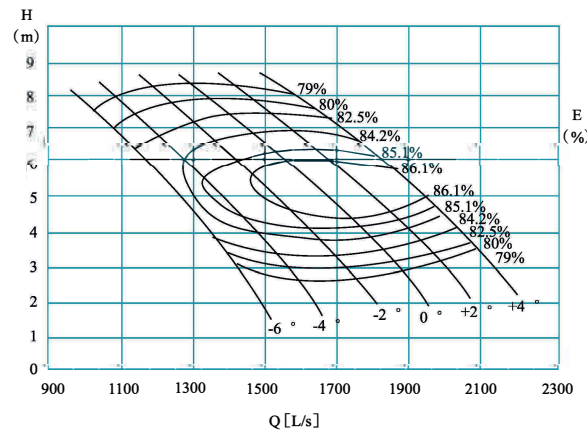


700ZMB-70D gate pump performance data

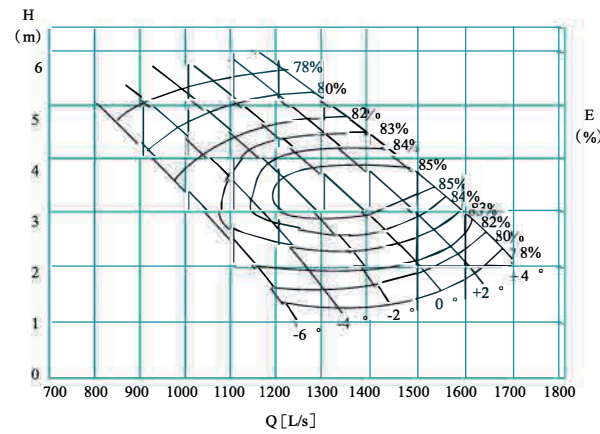
叶片安 装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-4°	2362	656	6.96	590	70.5	63.5	75	650
	3048	847	5.17		80.0	53.7		
	3587	996	3.20		78.8	39.7		
-2°	2730	758	6.75		75.0	67.0		
	3486	968	4.74		80.5	55.9		
	3895	1082	3.61		75.9	50.5		
0°	3436	954	5.44		79.4	64.1		
	3744	1040	4.66		81.5	58.3		
	4357	1210	2.85		77.4	43.7		
+2°	3979	1105	5.17		81.8	68.5		
	4438	1233	4.00		82.3	58.8		
	4626	1285	3.44		81.8	53.0		
+4°	4565	1268	4.60		83.3	68.7		
	4876	1354	3.69		82.8	59.2		
	5018	1394	3.20		79.3	55.2		

ZMB系列-DN700

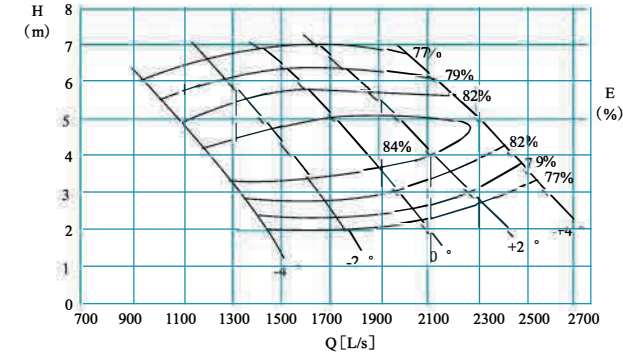
700ZMB-100闸门泵性能曲线图
700ZMB-100gate pump performance curve



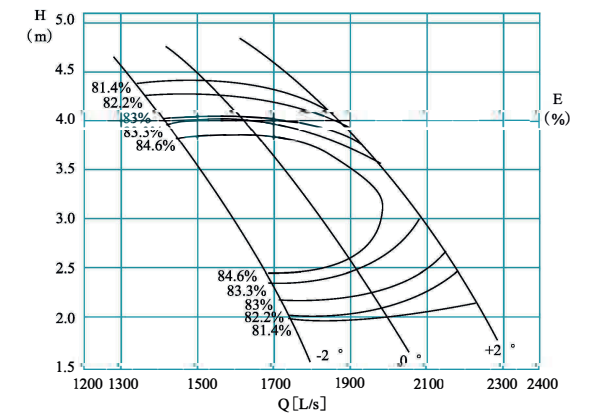
700ZMB-100Dgate pump performance curve



700ZMB-125gate pump performance curve



700ZMB-160gate pump performance curve



700ZMB-100闸门泵性能表
700ZMB-100 gate 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	
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power		
-6°	3810	1058	7.00	730	79.0	92.0	110	650	
	4481	1245	5.00		81.0	75.4			
	4939	1372	3.30		79.0	56.2			
-4°	4092	1137	7.20		79.0	101.6			132
	4763	1323	5.30		82.5	83.4			
	5363	1490	3.00		79.0	55.5			
-2°	4481	1245	7.50		79.0	115.9	160		
	5222	1451	5.50		83.0	94.3			
	5856	1627	3.35		79.0	67.7			
0°	4869	1352	7.60		79.0	127.6			90
	5733	1593	5.50		83.4	103.0			
	6386	1774	3.45		79.0	76.0			
+2°	5292	1470	7.65		79.0	139.6	75		
	6174	1715	5.50		83.4	111.0			
	6809	1891	3.55		79.0	83.4			
+4°	5645	1568	7.60		79.0	148.0			55
	6527	1813	5.70		83.4	121.6			
	7232	2009	3.70		79.0	92.3			

700ZMB-100D gate 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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-6°	2961	822	4.76	590	78.0	49.2	55	650
	3619	1005	3.20		82.0	38.5		
	4083	1134	1.89		78.0	27.0		
-4°	3165	879	5.13		80.0	55.3	65	
	4089	1136	3.14		84.0	41.6		
	4481	1245	1.98		78.0	31.0		
-2°	3322	923	5.45		78.0	63.3	75	
	4416	1227	3.17		85.0	44.9		
	4879	1355	1.94		80.0	32.2		
0°	3901	1084	5.09		80.0	67.6	90	
	4778	1327	3.20		85.0	49.0		
	5256	1460	2.02		80.0	36.2		
+2°	4090	1136	5.34		78.0	76.3	90	
	5068	1408	3.40		85.0	55.2		
	5654	1570	2.03		78.0	40.1		
+4°	4112	1142	5.88		78.0	84.5		
	5429	1508	3.40		85.0	59.2		
	5957	1655	2.29		78.0	47.7		

700ZMB-125 gate pump performance data

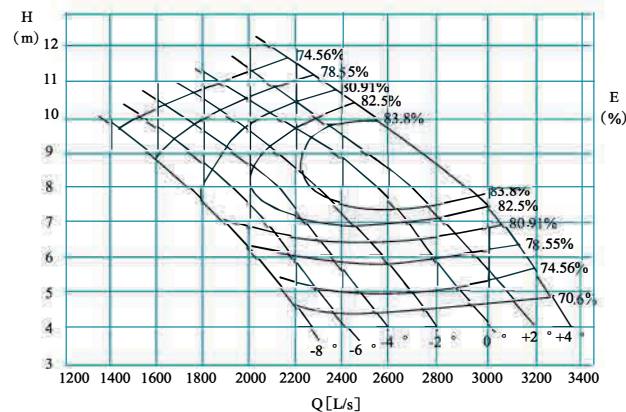
叶片安 装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直 径 mm Diameter of impell
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-4°	3330	925	6.10	730	77.0	71.9	90	650
	4481	1245	3.61		84.0	52.5		
	5038	1399	2.12		78.0	37.3		
-2°	4703	1306	5.80		79.0	94.1	110	
	5422	1506	4.05		82.5	72.5		
	5927	1646	2.57		79.0	52.5		
0°	5709	1586	5.67		81.0	108.9	132	
	6502	1806	4.05		82.5	87.0		
	7078	1966	2.70		79.0	65.9		
+2°	6357	1766	6.08		79.0	133.3	160	
	7292	2026	4.32		82.5	104.1		
	7797	2166	3.24		79.0	87.1		
+4°	8185	2274	4.81		83.0	129.3		
	8234	2287	4.17		82.0	114.1		
	8732	2426	3.73		79.0	112.3		

700ZMB-160 gate 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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-2°	4824	1340	4.30	730	81.4	69.4	75	650
	5601	1556	2.96		85.0	53.1		
	6169	1714	1.98		81.4	40.9		
0°	5651	1570	4.13		81.4	78.1	90	
	6504	1807	2.97		85.6	61.5		
	6944	1929	2.07		81.4	48.1		
+2°	6576	1827	3.95		81.4	87.0	132	
	7028	1952	3.50		83.8	80.0		
	7642	2123	2.46		82.2	62.3		

ZMB系列-DN900

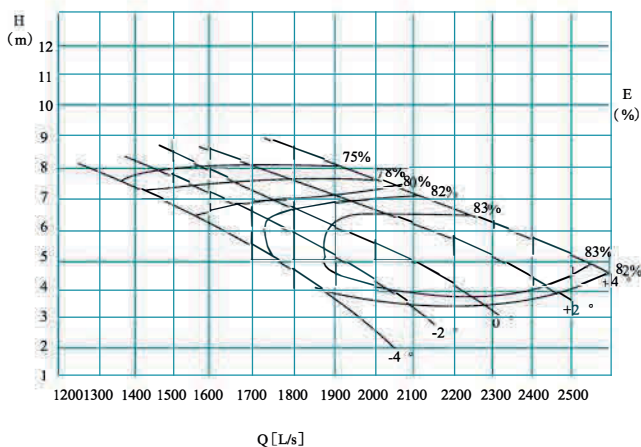
900ZMB-50闸门泵性能曲线图
900ZMB-50gate pump performance curve



900ZMB-50闸门泵性能表
900ZMB-50 gate 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	
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power		
-8°	5058	1405	9.65	490	74.6	178.3	185	850	
	6343	1762	7.82		81.0	166.9			
	7444	2068	4.58		70.6	131.6			
-6°	5546	1541	9.77		75.0	196.9	220		
	6996	1943	7.82		82.8	180.1			
	8406	2335	3.83		66.6	131.7			
-4°	5525	1535	10.31		74.6	208.1			220
	7606	2113	8.06		84.0	198.9			
	9003	2501	4.37		70.6	151.9			
-2°	6427	1785	10.24		78.5	228.5	250		
	7835	2176	8.3		84.0	211.0			
	9837	2733	3.91		67.0	156.4			
0°	7321	2034	9.89		80.9	243.9			250
	8704	2418	8.34		84.2	234.9			
	10359	2877	4.42		70.6	176.7			
+2°	7254	2015	10.85		78.5	273.2	280		
	9163	2545	8.55		84.0	254.2			
	11130	3092	4.02		66.6	183.1			
+4°	7702	2139	11.2		78.5	299.4	315		
	9633	2676	8.79		84.0	274.7			
	11539	3205	4.88		70.6	217.3			

900ZMB-70gate pump performance curve

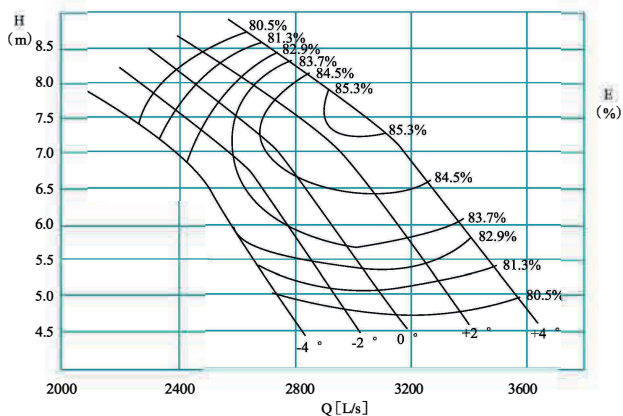


900ZMB-70 gate pump performance data

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	
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power		
-4°	4410	1225	8.06	490	74.0	130.9	160	850	
	5684	1579	5.98		82.3	112.5			
	6635	1843	3.72		81.4	82.6			
-2°	5086	1413	7.82		77.5	139.9			
	6488	1802	5.49		82.7	117.4			
	7262	2017	4.19		77.0	107.7			
0°	6380	1772	6.41		81.8	136.2			
	7056	1960	5.40		83.6	124.2			
	8085	2246	3.33		80.1	91.6			
+2°	7409	2058	5.99		84.0	144.0			
	8252	2292	4.70		84.4	125.2			
	8614	2393	4.00		84.0	111.8			
+4°	7585	2107	6.50		82.7	162.5			185
	8477	2355	5.33		85.3	144.3			
	9114	2532	4.27		84.8	125.1			

ZMB Series-DN900

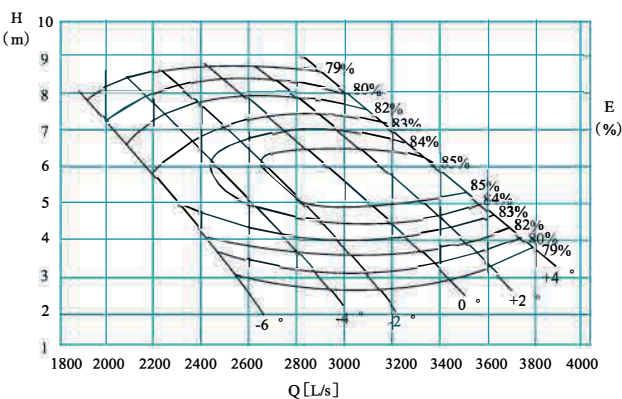
900ZMB-85gate pump performance curve



900ZMB-85 gate 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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-4°	8573	2381	6.80	590	83.0	191.4	220	850
	9102	2528	6.00		83.0	179.3		
	9642	2678	5.00		80.5	163.2		
-2°	8183	2273	7.73		80.5	214.1	250	
	9455	2626	6.50		83.8	199.8		
	10408	2891	4.87		80.5	171.6		
0°	8467	2352	8.17		80.5	234.2	250	
	9878	2744	6.70		84.5	213.4		
	11043	3067	4.77		80.5	178.3		
+2°	8785	2440	8.40		80.5	249.8	280	
	10443	2901	7.00		84.5	235.7		
	11748	3263	4.77		80.5	189.7		
+4°	9526	2646	8.50		82.1	268.7	315	
	10902	3028	7.33		85.3	255.3		
	12560	3489	4.93		80.5	209.6		

900ZMB-100闸门泵性能曲线图
900ZMB-100gate pump performance curve

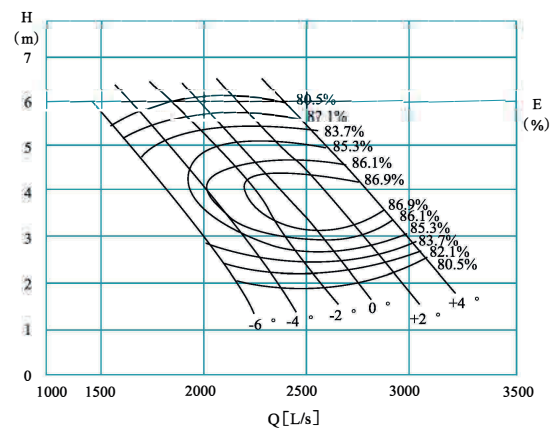


900ZMB-100 gate pump performance data

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	
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power		
-6°	7268	2019	6.75	590	81.5	164.0	185	850	
	8150	2264	5.50		84.0	145.4			
	8679	2411	4.00		82.0	115.4			
-4°	8044	2234	6.85		83.0	180.9			220
	9120	2533	5.50		84.5	161.8			
	9596	2666	4.00		81.5	128.3			
-2°	8512	2365	7.50		82.5	210.9	220		
	9561	2656	5.75		85.0	176.2			
	10437	2899	4.00		82.0	138.7			
0°	9526	2646	7.25		83.5	225.4	250		
	10513	2920	5.50		85.0	185.4			
	11219	3116	4.50		83.5	164.8			
+2°	10602	2945	6.80		84.5	232.5			250
	11184	3107	5.75		85.0	206.2			
	11925	3312	4.50		83.5	175.1			
+4°	11925	3312	5.90		85.0	225.6	315		
	12613	3504	4.80		83.5	197.6			
	13558	3766	3.50		82.0	157.7			

ZMB系列-DN900

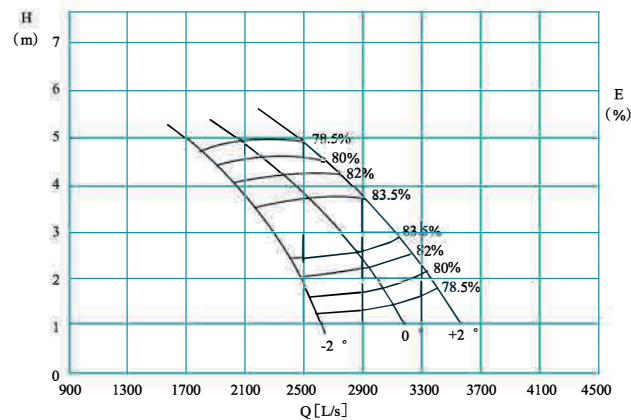
900ZMB-100D闸门泵性能曲线图
900ZMB-100D gate pump performance curve



900ZMB-100D闸门泵性能表
900ZMB-100D gate 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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-6°	5751	1597	5.00	490	80.0	97.9	110	850
	6756	1877	3.50		82.5	78.1		
	7444	2068	2.25		79.0	57.8		
-4°	6527	1813	5.00		80.5	110.5	132	
	7338	2038	3.75		84.0	89.3		
	8220	2283	2.25		80.0	63.0		
-2°	7426	2063	4.60		83.5	111.5	132	
	7867	2185	3.90		85.0	98.4		
	8891	2470	2.25		80.0	68.1		
0°	7409	2058	5.50		80.5	137.9	160	
	8485	2357	4.00		85.0	108.8		
	9490	2636	2.50		80.9	79.9		
+2°	8291	2303	5.20		82.0	143.3	160	
	9190	2553	4.00		85.0	117.9		
	10039	2789	2.80		81.5	94.0		
+4°	9279	2577	4.75		84.0	143.0	185	
	9878	2744	4.00		85.0	126.7		
	10602	2945	3.00		81.8	106.0		

900ZMB-125 gate pump performance curve

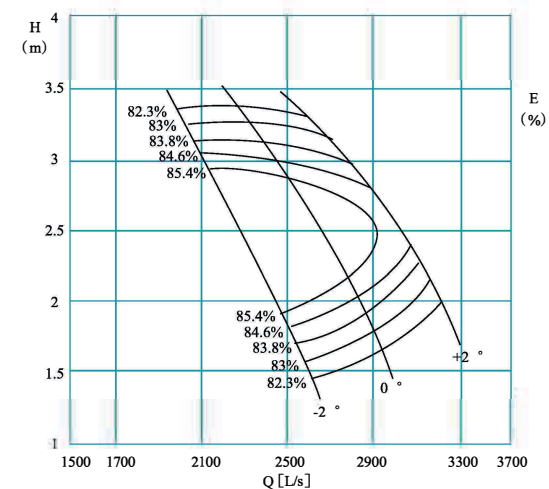


900ZMB-125 gate pump performance data

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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-6°	4474	1243	3.62	490	78.9	55.9	65	850
	5394	1498	2.57		82.1	46.0		
	5532	1537	2.29		80.5	42.9		
-4°	5504	1529	4.12		80.5	76.8	90	
	6858	1905	2.57		83.8	57.3		
	7186	1996	2.16		82.1	51.5		
-2°	6915	1921	4.30		80.0	101.3	110	
	7973	2215	3.00		83.5	78.1		
	8714	2421	1.90		80.0	56.4		
0°	8397	2332	4.20		82.0	117.2	132	
	9561	2656	3.00		83.5	93.6		
	10408	2891	2.00		80.0	70.9		
+2°	9349	2597	4.50		80.0	143.3	160	
	10725	2979	3.20		83.5	112.0		
	11466	3185	2.40		80.0	93.7		
+4°	11823	3284	4.13		82.1	162.1	185	
	12419	3450	3.55		82.9	144.9		
	13532	3759	2.43		75.6	118.5		

ZMB Series-DN900

900ZMB-160 gate pump performance curve



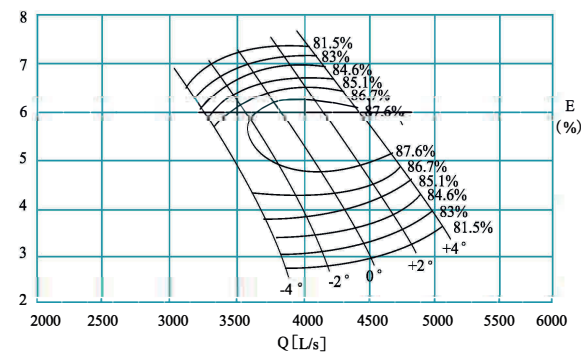
900ZMB-160 gate pump performance data

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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-2°	7169	1991	3.25	490	82.3	77.1	90	850
	8322	2312	2.24		85.7	59.3		
	9049	2514	1.57		83.0	46.6		
0°	8397	2332	3.12		82.3	86.7	110	
	9653	2681	2.25		86.5	68.4		
	10266	2852	1.63		83.0	54.9		
+2°	9769	2714	3.00		82.3	97.0	110	
	10443	2901	2.64		84.5	88.9		
	11233	3120	2.01		83.0	74.1		

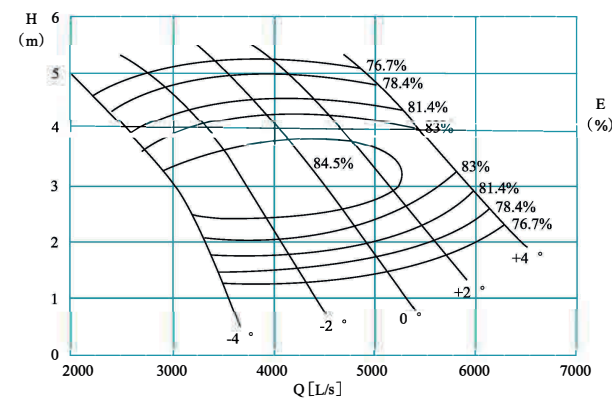
ZMB Series-DN1200

ZMB系列-DN1200

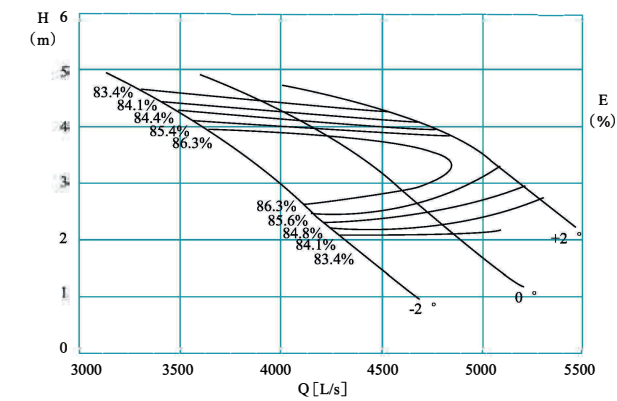
1200ZMB-100闸门泵性能曲线图
1200ZMB-100 gate pump performance curve



1200ZMB-1250 gate pump performance curve



1200ZMB-160 gate pump performance curve



1200ZMB-100闸门泵性能表
1200ZMB-100 gate 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	
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power		
-4°	11078	3077	6.43	490	84.7	229.2	250	1000	
	12264	3407	5.00		85.4	195.7			
	13371	3714	3.17		81.7	141.4			
-2°	12207	3391	6.48		84.7	254.5	280		
	13191	3664	5.11		86.2	213.1			
	14606	4057	3.07		81.7	149.6			
0°	13588	3774	6.00		86.1	258.0			335
	14274	3965	5.11		86.2	230.6			
	15700	4361	3.23		81.7	169.1			
+2°	13548	3763	7.21		84.7	314.3	300		
	15139	4205	5.43		86.2	259.9			
	16687	4635	3.53		81.7	196.5			
+4°	15312	4253	6.45		85.4	315.1			250
	16221	4506	5.42		86.2	277.9			
	17605	4890	3.89		81.7	228.4			

1200ZMB-125 gate 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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-4°	8644	2401	4.20	370	79.9	123.8	132	1100
	10937	3038	2.80		84.6	98.7		
	11995	3332	1.66		79.9	67.9		
-2°	11995	3332	4.62		79.9	189.0	220	
	13512	3753	2.80		84.6	121.9		
	14994	4165	1.60		79.9	81.8		
0°	12912	3587	4.80		79.9	211.4		
	15876	4410	3.00		84.6	153.5		
	17640	4900	1.85		79.9	111.3		
+2°	14923	4145	4.75		79.9	241.8	250	
	17640	4900	3.30		84.6	187.6		
	19404	5390	2.20		79.9	145.6		
+4°	17993	4998	4.66		79.9	286.0	300	
	20674	5743	3.16		83.1	214.4		
	21874	6076	2.48		78.4	188.5		

1200ZMB-160 gate pump performance data

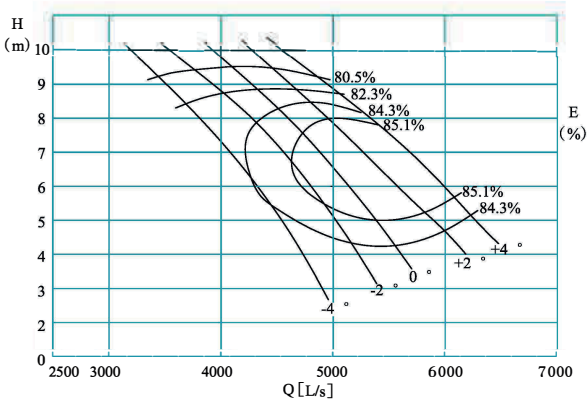
叶片安装角度 Setting angle of blade	流量Q Capacity		扬程H Head m	转速n Speed r/min	泵效 η % Eff.	功率 (kW) Power		叶轮直径 mm Diameter of impeller
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-2°	11790	3275	4.59	490	83.4	176.8	185	1000
	13689	3802	3.29		86.6	141.7		
	15078	4188	2.11		83.4	104.0		
0°	14151	3931	4.26		84.1	195.3	200	
	15898	4416	3.17		86.6	158.6		
	16977	4716	2.21		83.4	122.6		
+2°	16074	4465	4.21		83.4	221.1	250	
	17750	4930	3.43		85.6	193.8		
	18677	5188	2.63		84.1	159.2		

ZMB Series-DN1200

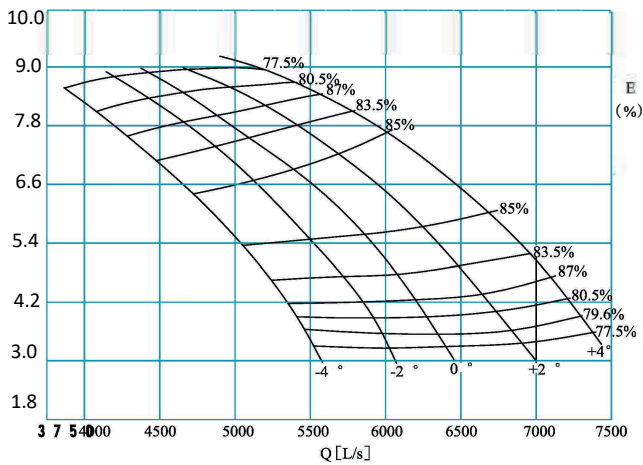
ZMB系列-DN1400

1400ZMB-70闸门泵性能曲线图

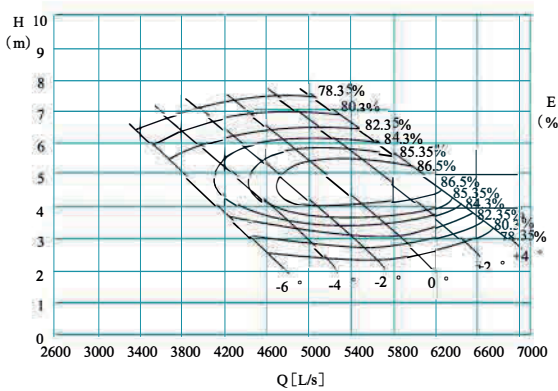
1400ZMB-70gate pump performance curve



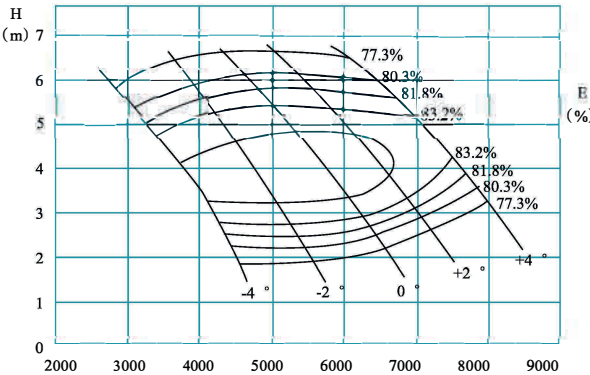
1400ZMB-85gate pump performance curve



1400ZMB-100gate pump performance curve



1400ZMB-125gate pump performance curve



1400ZMB-70 gate 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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-4°	11966	3324	9.5	365	80.5	384.8	450	1250
	14356	3988	7.06		82.9	333.2		
	16347	4541	4.85		82.3	262.5		
-2°	12869	3575	9.66		80.5	420.8	480	
	16574	4604	6.35		85.1	337.0		
	18287	5080	4.59		81.3	281.3		
0°	14088	3913	9.83		80.5	468.8	530	
	17695	4915	6.56		85.1	371.7		
	19756	5488	4.44		81.3	294.0		
+2°	15243	4234	9.75		80.5	503.1	580	
	19141	5317	6.16		85.1	377.6		
	21224	5896	4.84		84.3	332.1		
+4°	16933	4704	9.5		80.5	544.6	630	
	20204	5612	6.96		85.1	450.3		
	21901	6084	5.35		84.3	378.8		

1400ZMB-85 gate 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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-4°	16088	4469	6.9	370	83.5	362.3	400	1250
	17548	4874	5.7		85	320.7		
	18632	5175	4.6		83.5	279.7		
-2°	17421	4839	7.2		83.5	409.4	450	
	18949	5264	6		85	364.5		
	20350	5653	4.7		83.5	312.1		
0°	18441	5122	7.4		83.5	445.3	475	
	20219	5616	6.2		85	401.9		
	21683	6023	4.8		83.5	339.7		
+2°	19139	5317	7.8		83.5	487.2	530	
	21620	6005	6.4		85	443.6		
	23271	6464	5		83.5	379.7		
+4°	20476	5688	8.1		83.5	541.3	600	
	23084	6412	6.7		85	495.8		
	24735	6871	5.2		83.5	419.8		

1400ZMB-100 gate 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	
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power		
-6°	12377	3510	6.04	370	80.3	259.0	280	1200	
	14394	3998	4.20		84.3	195.4			
	16229	4508	2.60		78.3	146.8			
-4°	14676	4160	5.51		84.3	266.7			
	16440	4567	4.04		85.3	212.2			
	17816	4949	2.71		80.3	163.8			
-2°	14994	4165	6.34		82.3	314.8	335		
	16723	4645	5.00		86.3	264.0			
	19404	5390	2.64		80.3	173.8			
0°	17360	4822	5.71		82.3	328.2	355		
	19051	5292	4.40		86.3	264.7			
	21168	5880	2.50		78.3	184.2			
+2°	17428	4841	6.56		82.3	378.6	400		
	20956	5821	4.07		86.3	269.3			
	22509	6252	2.77		78.3	217.0			
+4°	19933	5537	5.85		84.3	376.9			450
	21979	6105	4.41		86.3	306.1			
	23708	6586	3.13		78.3	258.3			

1400ZMB-125 gate 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
	m³/h	L/s				轴功率 Shaft power	电机功率 Motor power	
-4°	11219	3116	5.00	370	80.3	190.4	200	1200
	14112	3920	3.40		84.5	154.8		
	15876	4410	1.90		80.3	102.4		
-2°	14112	3920	5.60		80.3	268.2	280	
	17640	4900	3.20		84.8	181.4		
	19404	5390	1.90		80.3	125.1		
0°	16758	4655	5.70		80.3	324.2	335	
	20110	5586	3.90		84.8	252.0		
	22932	6370	2.20		80.3	171.2		
+2°	19404	5390	5.70		80.3	375.3	400	
	22932	6370	3.90		84.8	287.4		
	25260	7017	2.50		80.3	214.3		
+4°	24237	6733	5.15		81.8	415.8	450	
	26460	7350	4.05		83.7	348.9		
	27871	7742	3.20		80.3	302.7		