(Tel): 0523-87659580
(Fax): 0523-87625252
: 225400
Http://www.asiasun.com
E-mail:sales@asiasun.com
: 800-8283948

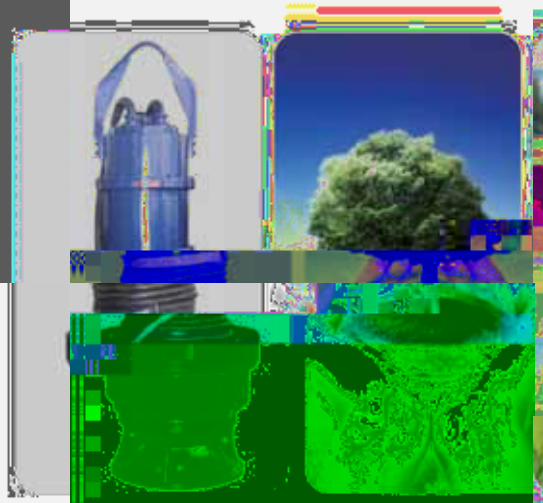
YATAI PUMP&VALVE CO.,LTD.
Add:Taixing High tech Zone,Jiangsu
Tel:0523-87659580
Fax:0523-87625252
P.C:225400
Http://www.asiasun.com
E-mail:sales@asiasun.com
Free hotline of after service:800-8283948

企业微信公众平台
Enterprise WeChat public platform

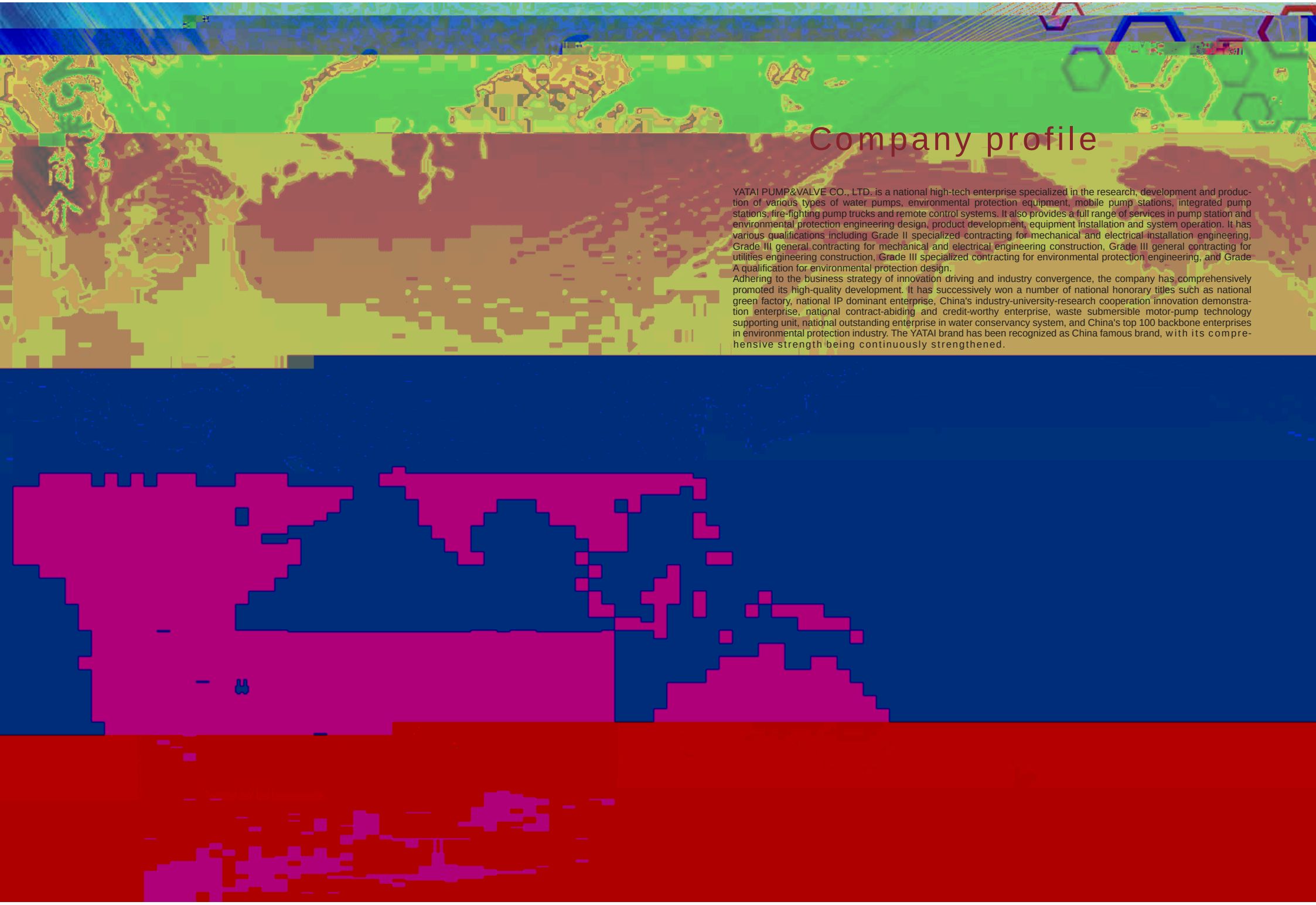
2019
2019 Ver.

QZ(H)系列
潜水轴流泵、混流泵

QZ(H) Series Submersible Axial Pump & Mixed Flow Pump



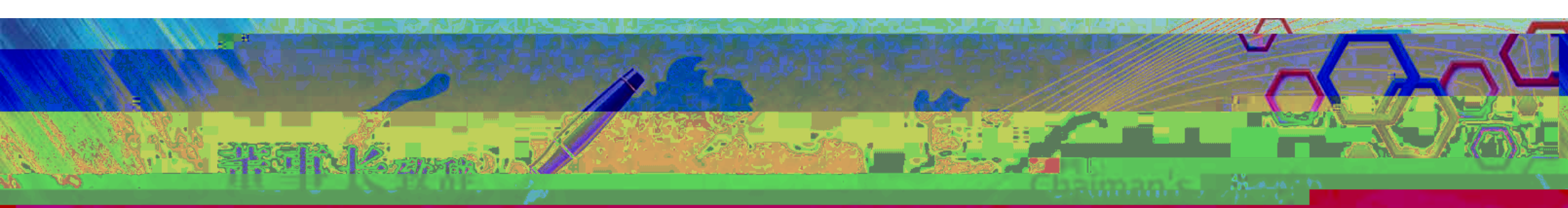
YATAI PUMP&VALVE CO.,LTD.



Company profile

YATAI PUMP&VALVE CO., LTD. is a national high-tech enterprise specialized in the research, development and production of various types of water pumps, environmental protection equipment, mobile pump stations, integrated pump stations, fire-fighting pump trucks and remote control systems. It also provides a full range of services in pump station and environmental protection engineering design, product development, equipment installation and system operation. It has various qualifications including Grade II specialized contracting for mechanical and electrical installation engineering, Grade III general contracting for mechanical and electrical engineering construction, Grade III general contracting for utilities engineering construction, Grade III specialized contracting for environmental protection engineering, and Grade A qualification for environmental protection design.

Adhering to the business strategy of innovation driving and industry convergence, the company has comprehensively promoted its high-quality development. It has successively won a number of national honorary titles such as national green factory, national IP dominant enterprise, China's industry-university-research cooperation innovation demonstration enterprise, national contract-abiding and credit-worthy enterprise, waste submersible motor-pump technology supporting unit, national outstanding enterprise in water conservancy system, and China's top 100 backbone enterprises in environmental protection industry. The YATAI brand has been recognized as China famous brand, with its comprehensive strength being continuously strengthened.



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jgdc ugrf _ `pm_b kglb rm hmglrjw apc_rc _ `c_srgdsj tgqgml md ammpbgl_rcb glbsqrpg_j bctcjmn+
kclr,

Secretary of Party Committee and Chairman

Outstanding Private Entrepreneur in Jiangsu

Outstanding Entrepreneur in Jiangsu Environmental Protection Industry

Science and Technology Entrepreneur in Jiangsu

Vice Chairman of Taixing Association of Industry and Commerce

ב ֵ

Design description

1 ᴹʒ
Impeller
ᴹʒ ڀ ۷ ´ ` ѡ Ж ف ‡ ד ₩ ʒ Ω ۷ Ä ệ ı ó
ſ Ч ˜ Ч ħ ă ɣ Ǯ Ö ɻ ŋ nD Ө ı i ∩ ó
ſ Ḇ ı . Ʒ ɓ Φ Ẇ Ч
The impeller is converted by the most advanced hydraulic model, and it has excellent, stable and mature performance. A small nD value is selected to ensure good cavitation resistance and smooth operation.

2 ɻ Ḻ Ṃ
Shaft seal
ƀ ˜ ۷ ₄ Ḻ Ṃ ı Æ ɔ ɲ Ḻ Ṃ ڸ ˜ ψ
ï ï ₥ Ǐ Ḡ Ł ı ώ ě ^ ڀ Ʒ ɔ ı ώ ᴝ ˜ ˡ ، ó
Two sets of independent mechanical seals isolate the motor from the pump seal. Installation in series up and down provides multiple insurances and improves reliability.

3 ≥ Í
Oil chamber
≥ ○ Ẋ . ɔ Ḻ Ṃ ı ŋ ɔ ɲ Ä ژ گ ķ و ө
ژ ۷ ˙ ڸ ˜ Ă ŧ ɲ ɒ ч Ч ı ˚ ˚ ۷ ≥ Í ɲ я ד
″ ᴝ
Oil lubricates and cools the seal to isolate the motor from the medium being transported. The reserved volume can slow down the pressure rise in the oil chamber.

4 گ ج Ł ɻ
Anti-rotating device
۷ ᵏ ט ˜ ژ ı ɔ ᵏ ט ד ˜ ı ŕ ŧ ד ˜ ı
Ẃ Ẃ h Æ ۷ Ǭ ч ᵇ ˜ ŕ Á ᵇ ˙ ج ı گ ج Ł ɻ Í ɻ
˜ ف ₳ ڎ ئ
At the moment of starting the unit, the reaction torque of the starting torque of the motor often makes the whole unit rotate in the opposite direction. The anti-rotating device can solve this problem.

5 ɻ ˙ Ӊ
Bearing
ɻ Ӊ ڀ ŧ ● ט ɻ ˙ Ӊ ı Í ٪ ˙ Ӊ ᴘ Ä ѡ ɻ ᵇ ⁼ Ё
ᵇ ق U ı Ẋ Ӊ ٶ ɲ ژ گ ķ و ˋ Ã
The bearing adopts rolling bearing, which can bear all axial and radial loads and is completely separated from the medium delivered by the pump.

6 /ɔ ɻ
Pump/motor shaft
ɲ ɔ ª ɻ ı ɻ _ ɻ ˚ ı ɻ ɣ ó ˛ ۷ ˜ ı ɤ ф ч i
˚ ɲ ŷ ı ɓ Φ Ӊ ט ɲ ı Ḻ Ṃ ⁼ ɻ Ӊ ₥ ᵘ ˜ ذ
The pump is coaxial with the motor for compact structure and shortened shaft extension. This design can reduce the deflection and vibration during the operation, so as to guarantee a longer service life of seal and bearing.

7 ɔ
Motor
ɤ ó Í ش Ã ɣ Ẓ ɔ ı ٭ . ₥ ☺ ‡
High-performance squirrel cage induction motor is especially
ф ч ˙ ج ı ۷ ᵀ GB755‰ ´ ۸ ۷ ۷
designed and manufactured in accordance with GB755 standard. The pump is designed with an insulation class F. The highest working temperature can reach 135¥.
۷ F ۷ ı ω ɤ Ť Ă □ ŷ ˡ ژ 135 ł ɸ ı ' j ª Χ ˡ ب
ŧ 380V 660V 3kV 6kV l0kV ч ɔ я ч ۷ ı Ḿ ɤ ɔ
я ɔ ب ŧ ь ₭ VPI ۸ ۷ Ť ˚ ı . Ʒ ۸ ۷ ˡ ،
Depending on the power, 380V, 660V, 3kV, 6kV, l0kV and other voltage levels can be used. VPI insulation process is used twice for high-voltage motors to ensure reliable insulation.

8 ، ɔ
Cooling
ɔ ᵘ ₈ ´ ì Ñ ♬ ˛ ₔ ˙ ˘ ɒ ķ و ѧ ı ♬ ˛ ɋ ˘ ɒ
‡ ╙ Ⴗ 0 ƶ ı ' ɤ ѧ я ɔ ı ب ŧ ɲ ا ڽ Ǭ ♬ ₥ . Ӊ
ı Æ ệ s ˚ ɻ ۷ □ ″ Ӈ □ ŷ ʃ ˙ ų ʒ Ɒ
The motor casing directly transfers heat to the surrounding medium, and the heat is carried away by the surrounding water flow. Large-power high-medium voltage motor adopts patented technology of internal air duct heat dissipation, which makes the temperature rise of three-phase winding low and the temperature field evenly distributed.

9 ˘ ╨ Ł ɻ
Monitoring device
☺ ‡ Ł õ ^ ڎ Ʒ ĭ Ł ɻ ı ˡ Ӈ Â ۷ ₆ ɔ í Ч Ʒ
ĭ Ł ɻ ѿ Χ ص ɔ ۷ ˚ ⌈ ˛ ۸ □ ► ŷ ‡ Ʒ ĭ Ч
ε ð ₥ ⅃ _ j ª ă õ Ţ . ζ
The submersible pump is equipped with multiple protection devices, which can lead the lead to the electric cabinet. The protection devices include overload protection, open-phase protection, leakage protection, over-temperature protection, humidity protection, and immersion protection (varied according to the pump structure).

QZ ʒ ☺ ‡ ɲ ╙ ⅃ _ ₲
Structural drawing of QZ submersible axial pump

QH ʒ ☺ ‡ ▉ ╙ ⅃ _ ₲
Structural drawing of QH submersible mixed flow pump

500QZ-70

	(m³/h)	l/s	(m)	(r/min)			(kg)	ε % ζ	(mm)
	1368.0	380.0	9.4		50.0			70.0	
-4°	1760.0	488.9	7.0		42.1			79.6	
	2060.0	572.2	4.3		30.7			78.5	
	1720.0	477.8	8.2		51.5			74.5	
-2°	2010.0	558.3	6.4		43.7			80.0	
	2250.0	625.0	4.9		40.8			73.5	
	2099.0	583.1	7.0		50.1			79.8	
0°	2160.0	600.0	6.3	980	45.6	55	860	81.2	450
	2510.0	697.2	3.9		34.6			77.0	
	2340.0	650.0	6.6		51.5			81.5	
+2°	2560.0	711.1	5.5		46.7			82.0	
	2660.0	738.9	4.6		40.8			81.5	
	2520.0	700.0	6.2		51.8			82.1	
+4°	2592.0	720.0	6.0		51.0			83.0	
	2844.0	790.0	4.7		45.9			76.0	

500QZ-100D

(m³/h)	l/s	(m)	(r/min)			(kg)	ε % ζ	(mm)
1422.7	395.2	3.0		15.2			77.6	
1549.8	430.5	2.3		12.4			79.6	

500QZ-100G

	(m³/h)	l/s	(m)	(r/min)			(kg)	ε % ζ	(mm)
	1883.7	523.3	5.3		34.8			78.8	
-6°	2052.0	570.0	4.1		28.4			80.8	
	2211.1	614.2	3.3		25.1	45	850	78.8	
	2000.6	555.7	6.0		41.2			78.8	
-4°	2298.2	638.4	4.2		32.2			81.9	
	2509.8	697.2	3.0		25.8			78.8	
	2140.5	594.6	6.3		46.3			78.8	
-2°	2503.4	695.4	4.3		35.6			82.5	
	2731.9	758.9	3.0		28.1			78.8	
	2293.2	637.0	6.4	980	50.5	55	870	78.8	450
0°	2708.6	752.4	4.3		38.4			82.8	
	2928.2	813.4	3.0		30.1			78.8	
	2503.9	695.5	6.5		56.0			78.8	
+2°	2872.8	798.0	4.5		42.4			83.3	
	3101.0	861.4	3.3		35.2	75	900	78.8	
	2736.9	760.3	6.3		58.3			78.8	
+4°	3078.0	855.0	4.5		45.6			83.0	
	3265.4	907.1	3.6		40.6			78.8	

500QZ-130G

700QZ-130

700QZ-160

800QZ-70G

800QZ-70D

800QZ-160

(m³/h)	l/s	(m)	(r/min)		(kg)	ε % ζ	(mm)
5051.6	1403.2	3.1		54.4		78.7	
5768.4	1602.3	2.2		42.7		82.6	
6301.3	1750.4	1.6		33.9		78.7	
5967.0	1657.5	3.0		62.4		78.7	

900QZ-70G

900QZ-70D

	(m³/h)	l/s	(m)	(r/min)			(kg)	ε % ζ	(mm)
-6°	9996	2776.7	3.5	490	119.0	220	6100	80.0	850
	9335	2593.1	5.1		156.8			82.6	
	8301	2305.8	6.8		184.8			83.1	
	7637	2121.4	7.5		194.7			80.0	
-4°	10667	2963.1	3.6		130.6			80.0	
	9906	2751.7	5.1		166.4			82.6	
	8841	2455.8	6.7		192.0			83.9	
	7858	2183.8	7.8		208.4			80.0	
-2°	11214	3115.0	3.7		141.1	250	6520	80.0	
	10487	2913.1	5.1		176.3			82.5	
	8028	2507.8	7.2		210.7			83.9	
	8080	2244.4	8.1		222.5			80.0	
0°	11753	3264.7	3.9		155.8			80.0	
	11124	3090.0	5.1		188.0			82.1	
	10080	2800.0	6.8		220.4			84.6	
	8308	2307.8	8.3		234.5			80.0	
+2°	12154	3376.1	4.1		169.4	280	6900	80.0	
	10521	2920.0	6.7		226.4			84.6	
	9732	2703.3	7.5		234.7			84.6	
	8481	2355.8	8.4		242.2			80.0	
+4°	12790	3552.8	4.4		182.2			80.0	
	11268	3130.0	6.7		242.7			84.0	
	10273	2853.6	7.9		261.1			84.6	
	8945	2484.7	8.7		264.6			80.0	

900QZ-100D

	(m³/h)	l/s	(m)	(r/min)			(kg)	ε % ζ	(mm)
-6°	6350	1763.9	4.8	490	102.6	132	4540	80.2	850
	6917	1921.5	3.7		83.9			82.2	
	7454	2070.5	2.9		74.1			80.2	
-4°	6741	1872.6	5.3		121.5			80.2	
	7747	2152.1	3.8		95.0			83.3	
	8461	2350.2	2.7		76.2			80.2	
-2°	7216	2004.3	5.6		136.7	160	5020	80.2	
	8439	2344.2	3.8		105.3			83.9	
	9209	2558.2	2.7		83.0			80.2	
0°	7731	2147.4	5.7		148.9			80.2	
	9131	2536.4	3.8		113.5			84.2	
	9871	2742.0	2.7		88.9			80.2	
+2°	8441	2344.7	5.8		165.2	185	5520	80.2	
	9684	2690.1	4.0		125.3			84.7	
	10454	2903.8	2.9		103.9			80.2	
+4°	9226	2562.9	5.5		172.0			80.2	
	10376	2882.3	4.0		134.8			84.4	
	11008	3057.7	3.2		119.7			80.2	

900QZ-100G

	(m³/h)	l/s	(m)	(r/min)			ε kg)	ε % ζ	(mm)
-6°	5253.0	1459.2	5.4	590	96.2	110	3400	79.9	750
	5722.2	1589.5	4.1		78.7			81.9	
	6166.0	1712.8	3.3		69.5			79.9	
-4°	5576.6	1549.1	6.0		114.0	132	3620	79.9	
	6408.9	1780.2	4.2		89.1			83.0	
	6998.9	1944.1	3.0		71.5			79.9	
-2°	5968.9	1658.0	6.3		128.3	160	3950	79.9	
	6981.1	1939.2	4.3		98.7			83.6	
	7618.2	2116.2	3.0		77.8			79.9	
0°	6394.9	1776.4	6.4		139.7			79.9	
	7553.3	2098.1	4.3		106.4			83.9	
	8165.7	2268.3	3.0		83.4			79.9	
+2°	6982.4	1939.5	6.5		155.0	185	4300	79.9	
	8011.1	2225.3	4.6		117.6			84.4	
	8674.5	2402.1	3.3		97.5			79.9	
+4°	7632.1	2120.0	6.2		161.3			79.9	
	8283.3	2384.3	4.6		126.4			84.1	
	9105.9	2529.4	3.6		112.3			79.9	

900QZ-130G

	(m³/h)	l/s	(m)	(r/min)			(kg)	ε % ζ	(mm)
-4°	5495.0	1526.4	5.4	590	100.3		3300	80.1	750
	7098.9	1971.9	3.0		68.2			84.9	
	7608.7	2113.5	2.2		56.1			80.1	
-2°	6129.4	1702.6	5.4		111.9		3520	80.1	
	7632.2	2120.1	3.2		78.7			84.6	
	8265.4	2295.9	2.3		63.8			80.1	
0°	6768.3	1880.1	5.3		121.2			80.1	
	8138.2	2260.6	3.3		87.0			84.2	
	8838.1	2455.0	2.3		68..3			80.1	
+2°	7702.8	2139.7	5.0		129.8		3850	80.1	
	8767.6	2435.4	3.5		100.5			83.4	
	9439.5	2622.1	2.6		82.9			80.1	
+4°	8482.8	2356.3	5.0		143.0			80.1	
	9385.5	2607.1	3.6		111.8			82.6	
	9939.8	2761.1	2.9		97.7			80.1	

900QZ-130D

	(m³/h)	l/s	(m)	(r/min)			(kg)	ε % ζ	(mm)
-4°	6644	1845.5	4.8	490	107.2	132	4300	80.3	850
	8583	2384.2	2.7		72.9			85.1	
	9199	2555.4	1.9		59.9			80.3	
-2°	7411	2058.8	4.8		119.6			84.8	
	9228	2563.3	2.8		84.0			84.85	
	9993	2775.9	2.0		68.2			80.3	
0°	8183	2273.1	4.7		129.5	160	4650	80.3	
	9840	2733.2	2.9		93.0			84.4	
	10688	2968.3	2.0		72.9			80.3	
+2°	9313	2587.0	4.4		138.7			80.3	
	10601	2944.6	3.1		107.4			83.6	
	11413	3170.3	2.3		88.5			80.3	
+4°	10256	2848.9	4.4		152.7	185	4900	80.3	
	11348	3152.1	3.2		119.5			82.8	
	12018	3338.3	2.6		104.4			80.3	

900QZ-160G

	(m³/h)	l/s	(m)	(r/min)			(kg)	ε % ζ	(mm)
-2°	6212.7	1725.8	3.6	590	76.2	90	2850	79.3	750
	7094.3	1970.6	2.6		59.9			83.2	
	7749.7	2152.7	1.8		47.5			79.3	
0°	7338.6	2038.5	3.5		87.5	110	3100	79.3	
	8238.6	2288.5	2.6		70.2			82.4	
	8758.6	2432.9	1.9		56.7			79.3	
+2°	8523.0	2367.5	3.3		95.8			79.3	
	9199.7	2555.5	2.9		85.8			81.1	
	9705.6	2696.0	2.2		72.7			79.3	

900QZ-160D

	(m³/h)	l/s	(m)	(r/min)			(kg)	ε % ζ	(mm)
-2°	7509.6	2086.0	3.2	490	81.4	90	3500	79.5	850
	8575.1	2382.0	2.3		64.0			83.4	
	9367.3	2602.0	1.6		50.8			79.5	
0°	8870.4	2464.0	3.1		93.5	110	3800	79.5	
	9958.2	2766.2	2.3		75.0			82.6	
	10586.6	2940.8	1.7		60.6			79.5	
+2°	10302.1	2861.7	2.9		102.4	132	4100	79.5	
	11120.0	3088.9	2.5		91.7			81.3	
	11731.4	3258.7	1.9		77.7			79.5	

1000QZ-70

(m³/h)	l/s	(m)	(r/min)		(kg)	ε % ζ	(mm)
10715.7	2976.6	3.7		133.1		80.3	
10007.1	2779.8	5.3		175.4		82.9	
8898.7	2471.9	7.1		206.7		83.4	
8186.9	2274.1	7.9		217.9		80.3	
11435.0	3176.4	3.8		146.1		80.3	
10619.2	2949.8	5.3		186.2		82.9	
9477.6	2632.7	7.0		214.9		84.2	
8423.8	2339.9	8.2		233.2		80.3	
12021.4	3339.3	3.9		157.8		80.3	
11242.1	3122.8	5.3		197.3		82.8	
9678.0	2688.3	7.5		235.8		84.2	
8661.8	2406.0	8.5		249.0		80.3	
12599.2	3499.8	4.1		174.4		80.3	
11924.9	3312.5	5.3		210.3		82.4	
10805.8	2.			133.1			

1000QZ-100

	(m³/h)	l/s	(m)	(r/min)			(kg)	ε % ζ	(mm)
	6809.5	1891.5	5.0		114.9			80.5	
	7417.8	2060.5	3.8		83.9			82.5	
	7993.1	2220.3	3.1		83.0			80.5	
	7229.1	2008.1	5.6		136.0			80.5	
	8307.9	2307.8	3.9		106.4			83.6	
	9072.8	2520.2	2.8		85.3			80.5	
	7737.6	2149.3	5.9		153.1			80.5	
	9049.7	2513.8	4.0		117.9			84.2	
	9875.6	2743.2	2.8		92.9			80.5	
	8289.8	2302.7	6.0		166.7			80.4	
	9791.5	2719.9	4.0		127.1			84.5	
	10585.4	2940.4	2.8		99.6			80.5	
	9051.4	2514.3	6.0		185.0			80.5	
	10384.9	2884.7	4.2		140.4			85.0	
	11209.9	3113.9	3.1		116.4			80.59-	4

. ³ 916.4 1 124499 3 3.1 3436.0 80.5← T ٩

1000QZ-130

1000QZ-160

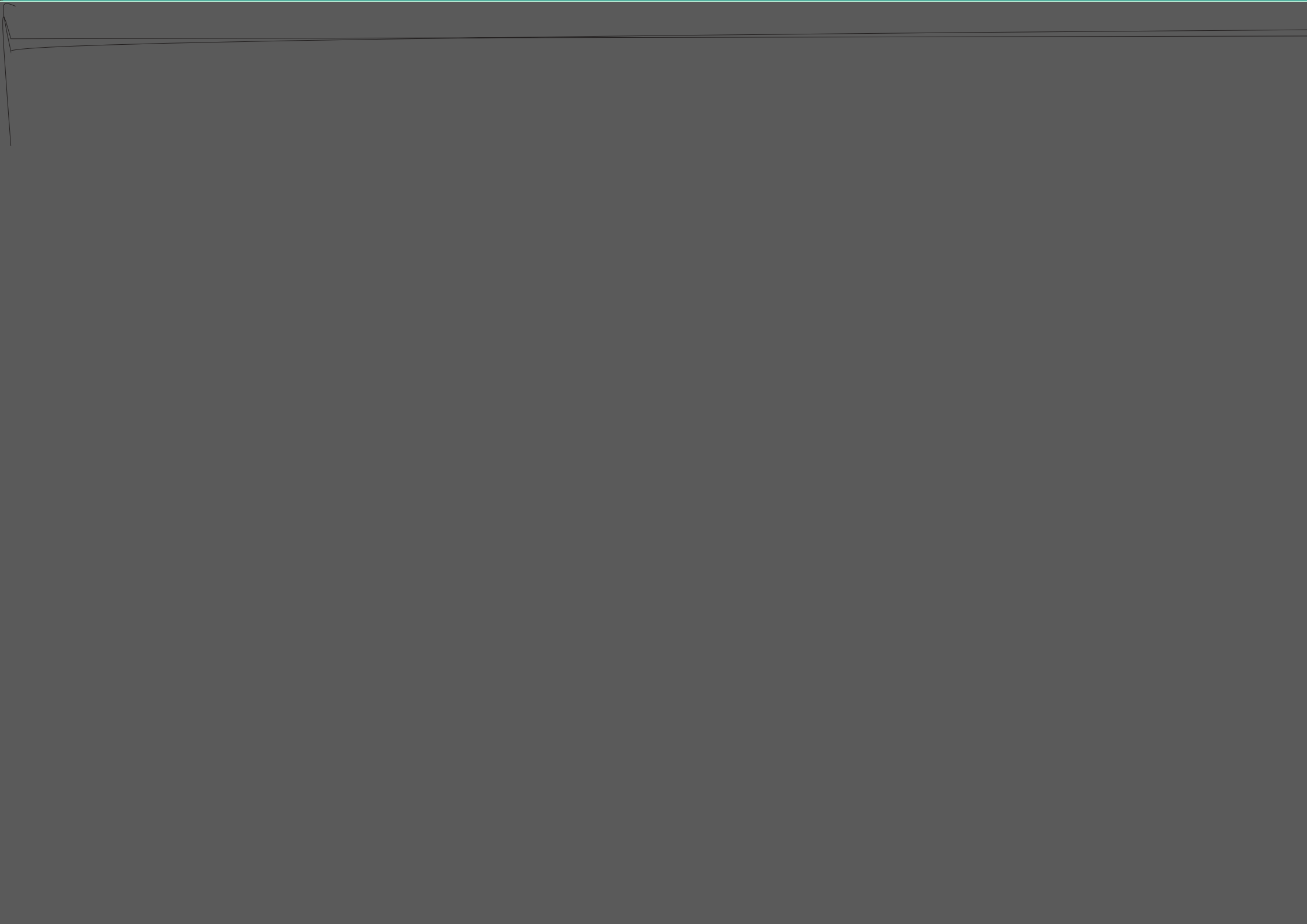
1200QZ-70

1200QZ-100

	l/s	(m)	(r/min)		(kg)	ε % ζ	(mm)
8865.1	2462.5	6.0		178.3		80.5	
9657.0	2682.5	4.6		145.8		82.5	
10406.0	2890.5	3.7		128.8		80.5	
9411.3	2614.2	6.6		211.2		80.5	
10815.8	3004.4	4.7		165.2		83.6	
11811.6	3281.0	3.3		132.5		80.5	
10073.3	2798.1	7.0		237.7		80.5	
11781.5	3272.7	4.8		183.0		84.2	
12856.7	3571.3	3.3		144.2		80.5	
10792.2	2997.8	7.1		258.9		80.5	
12747.2	3540.9	4.8		197.3		84.5	
13780.3	3828.0	3.3		154.6		80.5	
11783.7	3273.2	7.2		287.2		80.5	
13519.8	3755.5	5.0		218.0		85.0	
14593.9	4053.9	3.7		180.7		80.5	
12880.3	3577.9	6.9		299.0		80.5	
14485.5	4023.8	5.0		234.4		84.7	

1200QZ-130

1200QZ-160



1600QZ-100

	(m³/h)	l/s	(m)	(r/min)			(kg)	ε % ζ	(mm)
	19837.1	5510.3	5.1		332.9			82.0	
-6°	21609.0	6002.5	3.9		272.3	400	12100	84.0	
	23284.0	6468.0	3.1		240.5			82.0	
	21059.2	5849.8	5.6		394.2			82.0	
-4°	24202.1	6722.8	4.0		308.6	450	12500	85.1	
	26430.2	7341.7	2.8		247.4			82.0	
	22540.6	6261.3	5.9		443.8			82.0	
-2°	26363.0	7323.1	4.1		341.9	500	12800	85.7	
	28768.8	7991.3	2.8	290	269.3			82.0	1480
	24149.3	6708.1	6.0		483.2			82.0	
0°	28523.9	7923.3	4.1		368.7	560	13200	86.0	
	30836.5	8565.7	2.8		288.6			82.0	
	26367.8	7324.4	6.1		536.1			82.0	
+2°	30252.8	8403.5	4.3		407.3			86.5	
	32658.0	9071.1	3.1		337.3	630	13700	82.0	
	28821.5	8005.0	5.8		558.1			82.0	
+4°	32413.5	9003.8	4.3		437.9			86.2	
	34387.1	9552.0	3.4		388.4			82.0	

1600QZ-130

(m³/h)	l/s	(m)	(r/min)			(kg)	ε % ζ	(mm)
20754.2	5765.1	5.1		352.6			81.0	
26812.0	7447.8	2.8		239.8			85.8	
5.3	.Й	5 3 >		.6 83				

1600QZ-160

1800QZ-70

	(m³/h)	l/s	(m)	(r/min)			ε % ζ	(mm)
	25607	7113	7.56		646.8		81.55	
-4°	28958	8044	5.77		544.4	710	83.64	
	32004	8890	3.98		425.5		81.68	
	27623	7673	7.68		698.7		82.76	
-2°	31568	8769	5.95		608.2		84.20	
	34981	9717	4.22		480.2	800	83.67	
	29271	8131	7.79		750.8		82.77	
0°	33527	9313	6.10	256	661.9		84.20	1740
	37354	10376	4.41		533.8		84.17	
	31932	8870	7.98		840.3		82.63	
+2°	36299	10083	6.32		743.0	900	84.20	
	40190	11164	4.67		608.5		84.03	
	32526	9035	8.13		920.8		81.78	
+4°	38318	10644	6.50		806.0	1000	84.20	
	41994	11665	4.84		664.8		83.31	

2000QZ-100

	(m³/h)	l/s	(m)	(r/min)			ε % ζ	(mm)
-6°	34700	9639	5.64	215	645.1	710	82.75	2000
	40288	11191	3.96		505.6		86.09	
	44420	12339	2.57		384.3		80.81	
-4°	38588	10719	5.73		749.8	800	84.37	
	44410	12336	4.07		560.2		87.81	
	48622	13506	2.68		425.7		83.33	
-2°	41954	11654	5.80		783.0	900	84.75	
	47891	13303	4.16		616.5		88.00	
	52380	14550	2.79		475.0		83.72	
0°	45443	12623	5.89		856.3		85.20	
	54541	14317	4.26		680.1		88.00	
	56016	15560	2.90		527.1		83.94	
+2°	48744	13540	5.98		939.6	1000	84.55	
	55242	15345	4.37		748.2		88.00	
	59965	16657	3.03		592.2		83.62	
+4°	52063	14462	6.08		1038.4	1100	83.02	
	58842	16345	4.49		818.5		88.00	
	63889	17747	3.17		661.9		83.36	

2000QZ-130

(m³/h)	l/s	(m)	(r/min)		ε % ζ	(mm)
25056	6960	4.18		367.8	77.59	
31133	9648	2.78		281.4	83.73	
35186	9774	1.65		210.4	75.39	
33396	9277	4.32		480.5	81.81	

2000QZ-160

2400QZ-70

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	Pñ K	O V	P	U PLQ	g h	PP
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4 +

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900QH-40

	(m³/h)	l/s	(m)	(r/min)			ε % ζ	(mm)
-4°	5652	1570	23.5	740	453.5	500	83.07	735
	6296	1749	21.6		450.6		85.46	
	7387	2052	16.3		399.3		85.17	
-2°	6678	1855	23.9		531.7	560	85.14	
	7232	2009	22.0		517.6		87.04	
	8348	2319	16.7		465.0		85.15	
0°	7509	2086	24.3		597.7	710	86.53	
	8096	2249	22.4		589.3		87.2	
	9277	2577	17.3		535.3		84.79	
+2°	8571	2591	24.9		692.6		87.17	
	9115	2532	23.0		680.4		87.2	
	10274	2854	17.9		619.9		84.0	
+4°	9464	2629	25.4		780.4	800	87.2	
	10011	2781	23.5		765.0		87.2	
	11185	3170	18.5		703.1		83.44	

1000QH-40

	(m³/h)	l/s	(m)	(r/min)			ε % ζ	(mm)
-4°	5310	1475	15.4	490	271.6	315	82.06	870
	6995	1943	13.39		297.7		85.72	
	7912	2206	10.89		272.6		86.50	
-2°	6880	1911	15.67		351.8	400	83.52	
	8021	2228	13.61		340.9		87.27	
	8989	2497	11.15		315.8		86.46	
0°	7808	2169	15.86		397.6	450	84.92	
	9011	2503	13.85		389.2		87.40	
	10030	2786	11.43		363.0		86.01	
+2°	9072	2520	16.17		462.2	500	86.45	
	10152	2820	14.16		448.3		87.40	
	11146	3096	11.76		420.4		84.95	
+4°	10069	2797	16.44		519.9	560	86.73	
	11149	3097	14.46		502.6		87.40	
	12161	3378	12.1		477.8		83.90	

900QH-50

	(m³/h)	l/s	(m)	(r/min)			ε % ζ	(mm)
-4°	4597	1277	12.3	590	196.1	250	81.41	756
	5083	1412	10.2		176.9		83.39	
	5731	1592	6.59		140.1		76.43	
-2°	5296	1471	12.5		226.6	250	82.88	
	5767	1602	10.5		202.8		84.62	
	6408	1780	6.88		161.9		77.17	
0°	5782	1606	12.7		248.2	315	83.91	
	6289	1747	10.7		225.4		84.8	
	6995	1943	7.17		181.3		78.18	
+2°	6469	1797	13.0		282.8	315	84.39	
	7024	1951	11.1		260.1		84.8	
	7805	2168	7.6		208.9		78.96	

1000QH-50

	(m³/h)	l/s	(m)	(r/min)			ε % ζ	(mm)
-4°	5486	1524	11.99	490	225.0	250	79.63	870
	6354	1765	9.65		200.0		83.57	
	7096	1971	6.81		162.7		80.97	
-2°	6430	1786	12.17		260.9	280	81.72	
	6800	1889	9.85		228.4		85.09	
	7960	2211	7.02		188.6		80.80	
0°	6419	1783	13.47		296.1	355	79.54	
	7920	2200	10.01		254.0		85.10	
	8708	2419	7.23		210.6		81.42	
+2°	7257	2016	13.60		332.4	400	81.23	
	8856	2460	10.27		291.1		85.10	
	9734	2704	7.53		244.9		81.57	

1200QH-40

(m³/h)	l/s	(m)	(r/min)		ε % ζ	(mm)
9061	2517	17.16		501.3	84.53	
10256	2849	14.84		475.4	87.24	
11290	3136	12.02		434.4	85.14	
9918	2755	18.39		585.4	84.89	
11473	3187	15.55		555.7	87.50	
12780	3550	12.31		504.0	85.05	
10476	2910	19.54		660.3	84.46	
12208	3391	17.09		649.7	87.50	

1400QH-40

1200QH-50

1400QH-50

Installation type

Installation dimension

Note:

The dimensions in the table are the installation dimensions of the pump and the hydraulic control dimensions for the design of pump station, of which the hydraulic dimensions are reference values.

The dimension A is determined according to the pump flow to control the flow rate and reduce hydraulic loss. The dimensions in the table are reference values and can be appropriately increased if necessary. Dimensions S and Q are determined according to the specific conditions of the pump station.

The distance between the center of the pump and the rear tank wall shall not be more than dimension T;

The center distance between two pumps in the same tank shall not be less than dimension Z.

Concrete prefabricated well bore installation

Dimension table of concrete prefabricated well bore installation (1)

Dimension table of concrete prefabricated well bore installation (2)

		øA	øF	M	N	O	P	Z	T	W	V	U	øY	
26	800QZ-70G				1120	3100								40200
27	800QZ-70D				1120	2900	260	280	840	2800	700	940	1050	33300
28	800QZ-100	900	1200	670	1120	2900								26900
29	800QZ-130				1120	2900								23400
30	800QZ-160				1120	2900								16400
32	900QH-50				1360	3800								56100
33	900QZ-70G				1520	3600								56300
34	900QZ-70D				1360	3700								49900
35	900QZ-100G				1360	3370								45600
36	900QZ-100D	1000	1300	820	1360	3500	300	3400	1020	3400	850	1020	1150	40400
37	900QZ-130G				1500	3000								39600
38	900QZ-130D				1360	3100								35100
39	900QZ-160G				1360	3000								27800
40	900QZ-160D				1360	3100								24600
42	1000QH-50				1390	4200								66200
43	1000QZ-70				1390	3900								54800
44	1000QZ- 100	1200	1400	840	1390	3300	300	3480	1040	3480	870	1040	1250	44300
45	1000QZ-130				1390	3300								38500
46	100QZ-160				1390	3300								27000
48	1200QH-50				2080	4600								94100
49	1200QZ-70				2740	4300								77800
50	1200QZ-100	1400	1600	910	2520	3800	300	3800	1140	3800	950	1140	1420	63000
51	1200QZ-130				2830	3800								54700
52	1200QZ-160				2910	3800								38400

Installation dimension drawing of concrete well bore with dustpan inlet channel

Installation dimension table of concrete prefabricated well bore with closed inlet channel

Ž N Qr⁞	ʒ N P r gh0	Hw	Hs	øF	øA	E×F	D{⁞ld0 k⁞gud wkuxvw (N)
1	1200QH-50	1580	2080	1600	1900	1400×1400	94100
2	1200QZ-70		2540				77800
3	1200QZ-100		2620				63000
4	1200QZ-130		2830				54700
5	1200QZ-160		2910				38400
6	1400QZ-70	1990	2640	1900	2200	1400×1800	113000
7	1400QZ-100		2720				91500
8	1400QZ-130		2930				79400
9	1400QZ-160		3010				55700
10	1600QZ-70	2460	2740	2300	2600	1400×1800	166200
11	1600QZ-100		2820				134500
12	1600QZ-130		3030				116800
13	1600QZ-160		3110				81900
14	1800QZ-70	2930	2840	2800	2900	2200×2200	216000
15	1800QZ-100		2920				184500
16	1800QZ-130		3130				166800
17	1800QZ-160		3200				132000
18	2000QZ-70	3370	3265	3220	3335	2500×2500	248400
19	2000QZ-100		3360				212175
20	2000QZ-130		3600				191820
21	2000QZ-160		3680				151800
22	2400QZ-70	3960	3835	3780	3915	3000×3000	291600
23	2400QZ-100		3840				249075
24	2400QZ-130		4225				225180
25	2400QZ-160		4320				178200

Instructions for model selection

1 ƥ ǰʒʽHıƵ├˜ ▩ʒᴺ ĞŁĂĂ –■ Æɾɔяз íˈ ʒĭĂĂıŒӂώěѡчʏ▩ѵ
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When selecting the pump, the pump model, installation method, tank depth, operating voltage and pump control and protection method shall be indicated so as to provide the best system.

2 íˈ ˥ Ƶ├˜ƬvʊĂĂ яíˈ ĂĂ ĞŁėĂ

The control cabinet shall be indicated with starting mode, hydraulic control mode and installation mode.

3 ƀ₄ٮʏḌʏıƵ├˜íˈ ʒıفĭìɻʒ

The type of terminal box (if required) should be indicated (control type/wiring type).

4 ʒᴎ☺↕ ☺↕ɔѧ* Ẃěₒ₫ẙ㎞10m,ᵡῶₑeɻəıت ├˜

The normal supply length of submersible pump cable of our company is 10m. Any special requirements shall be indicated.