CNP

QZB Submersible axial flow pump

QHB Submersible mixed flow pump



CNP

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Version No.: 250502
Material code: 1500123053

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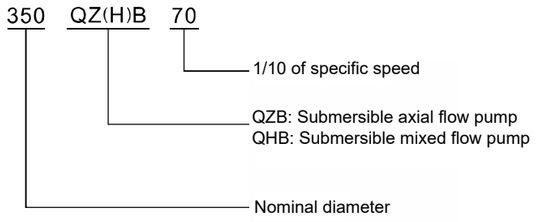
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Product Overview

Submersible pump is a type of pump where the entire unit can operate while fully submerged underwater. As a critical piece of equipment for extracting water from deep wells, it is used to lift liquid media such as groundwater and deep well water. It finds wide application in areas including domestic water supply, agricultural irrigation, reservoir water transfer, seawater lifting, engineering dewatering, and municipal drainage. Submersible axial flow pump and submersible mixed flow pump are two common variants of submersible pump. Typically, they have a flow rate approximately 0.5-10 m/s and a head roughly 2-15 m. A complete submersible pump unit comprises a water pump, a submersible motor (including cables), delivery pipes and a control cabinet. The scope of supply can be adjusted accordingly to meet actual requirements.

Model Interpretation



Modeling Description

Selecting the right submersible pump prior to use is of utmost importance. The pump model shall be determined based on the actual conditions of water source, as well as requirements such as operating duration and water pumping volume.

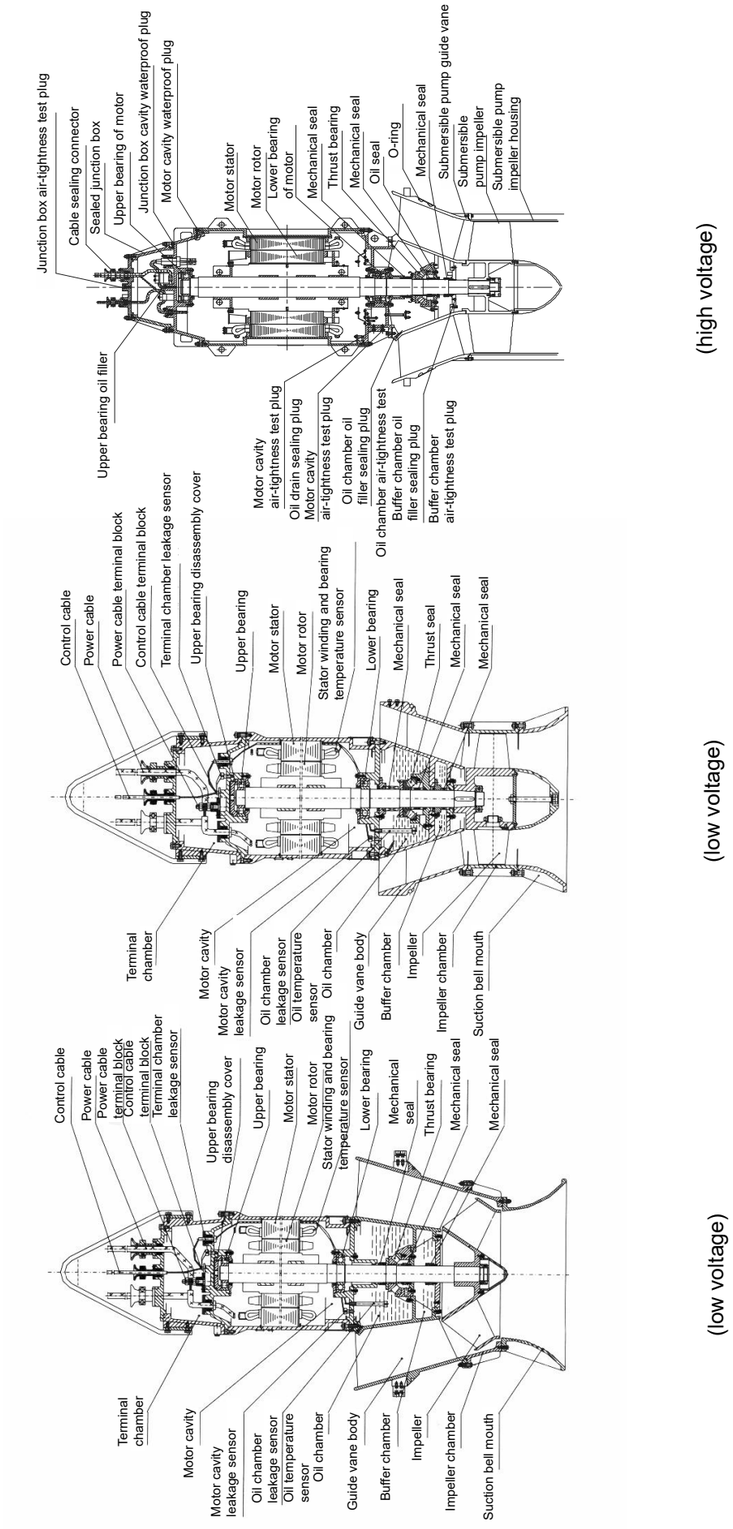
1. Characteristics of medium: Name, specific gravity, viscosity, corrosiveness, toxicity, etc.
2. Diameter and content (mass or volume percentage) of solid particles in the medium.
3. Medium temperature
4. Flow rate
5. Head

Precautions for selecting and operating the submersible pumps:
1. A safe and reliable power supply is required.
2. Pump medium shall be relatively isolated to avoid the risk of electric leakage in extreme accidents.
3. Frequent start-up and shutdown of the unit shall be avoided.

Product Introduction

Pumping stations fitted with submersible axial flow pump and submersible mixed flow pump feature the simple civil engineering, low construction costs, convenient maintenance and management, straightforward operation (with easy integration into automation systems) and high operational reliability.
For the submersible pump stations, their core equipment - submersible pump - shares essentially the same application scenarios, water inlet/outlet conditions, and performance parameters as conventional pumps. The primary difference is that submersible pumps carry a higher risk of severe accidents. Beyond this, submersible pump stations offer the following technical and economic advantages:
• Total investment in the pump station reduced by 30-40%
• Construction period shortened by over 20%
• Unit installation time cut down by more than 95%
• Unit lightened by over 50%
• The risk of motor flooding under high-risk water levels eliminated
• Low noise and no high temperatures inside the station, improving the surrounding environment
• Simple operation, making it easy to achieve automated management of pump station
• No intermediate rotating shaft, ensuring safer and more reliable pump operation
• Low above-ground structures, eliminating the dedicated pump house and associated flood control investments
Specific applications are as follows: irrigation and drainage in agriculture; rainwater and sewage discharge in municipal engineering; cooling water, process water and raw water supply in industry; and water transfer in water conservancy. pH value of conveyed medium is 5-9.

Sectional View



Product Features

1. Impeller

Based on the third-generation hydraulic model which is jointly developed and optimized by the Company and Huazhong University of Science and Technology via CFD technology, the performance indicators of the impeller lead the domestic industry, with some even reaching international advanced levels. Generally, its efficiency is 3-5% higher than that of domestic competitors of the same type. Compared to existing domestic competitors, its cavitation resistance has been significantly enhanced, enabling the design of high-speed operation. The semi-adjustable impeller design allows for the changes to operating performance by modifying the adjusting device of blade, thereby expanding its scope of application. Typically, the blades are pre-adjusted to meet user requirements before the delivery of products.

2. Outlet Guiding Device

In conventional submersible axial flow pumps, the motor occupies the space of flow channel, combined with abrupt changes in outlet diameter, often resulting in relatively low efficiency. The Company has integrated a unique outlet guiding device, which optimizes the flow pattern at the outlet and boosts pump efficiency. Additionally, this design enhances the stability and reliability of unit operation.

3. Sealing and Isolation Device

Traditional submersible pumps are set with only one single oil chamber between the impeller and motor chamber. Our design incorporates an additional isolation chamber and an extra mechanical seal. After water inflows through the primary mechanical seal, it accumulates at the bottom of isolation chamber and is prevented from the oil chamber. This setup effectively isolates the motor chamber from water, maintains a dry environment in the motor cavity, safeguards the long-term safe and stable operation of bearings in the oil chamber, and significantly improves overall product reliability.

4. Bearings

Rolling bearings are capable of withstanding all axial and radial loads while remaining fully isolated from the medium being pumped. For the large-scale submersible pumps, short cylindrical roller bearings can absorb radial forces, while thrust bearings handle the axial thrust of pump. Ball bearings are also integrated to prevent axial play. Furthermore, bearing temperature sensors are installed to ensure the safe and stable operation of pump.



5. Variable-Speed Isolation Device

For the traditional submersible axial flow pumps, the motor and pump operate at the same speed, leading to low motor speed, high manufacturing costs and excessive size. The large motor obstructs the flow channel, further reducing unit efficiency. The Company has developed a proprietary variable-speed isolation device that maintains the pump speed while increasing the motor speed. This innovation substantially lowers motor costs, reduces the outer diameter of motor, and improves pump efficiency.

6. Motor

A high-performance squirrel-cage induction motor, specifically designed and manufactured for submersible pumps, complies with GB755 standard. The specific parameters of motor are as follows: power rating: as per EC standards, ingress protection of enclosure: IP68, rated voltages: 380V, 660V, 3kV, 6kV or 10kV; rated frequency: 50Hz, duty cycle: S1, insulation grade: F. Vacuum pressure (VP) impregnation ensures the excellent mechanical strength and reliable waterproof performance of motor.

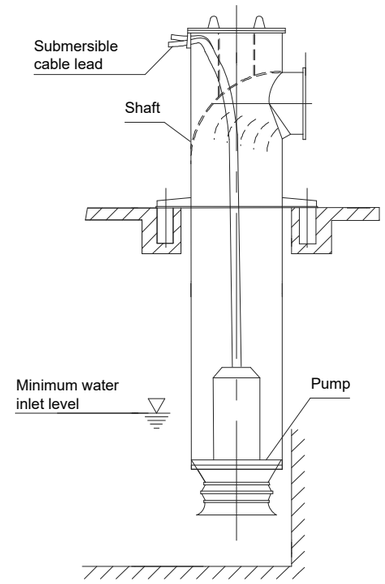
7. Cooling

When the submersible pump operates underwater, its motor enclosure transfers heat directly to the surrounding water, which then dissipates the heat through natural flow. For high-power, high-voltage pump motors, an internal air duct cooling system is integrated. This design minimizes temperature rise in the three-phase windings and ensures uniform temperature distribution.

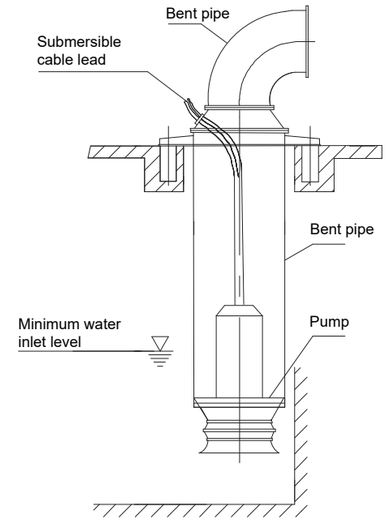
8. Monitoring Devices

The submersible pump is equipped with multiple protection devices, with leads that can be connected to a control box, to provide the protections against the overload, phase loss, leakage, over-temperature and water immersion, and provide the temperature monitoring (depending on the applications and requirements).

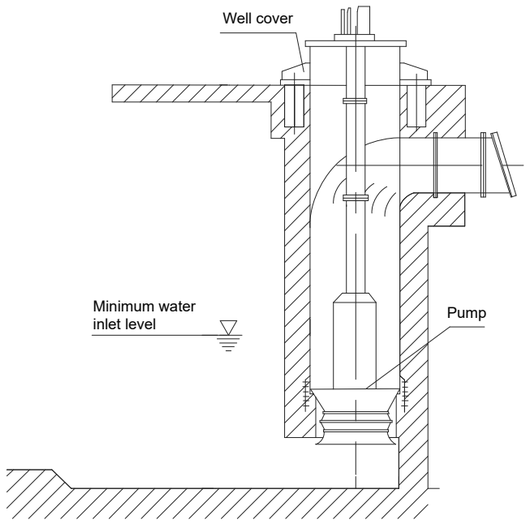
Installation Type



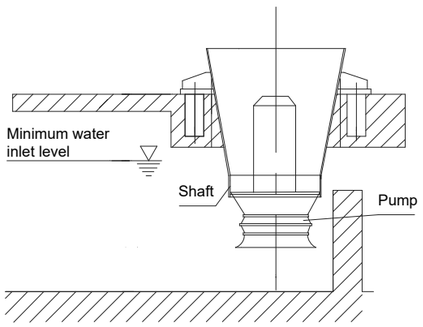
Installation
Through Shaft



Installation Through Shaft
and Bent Pipe

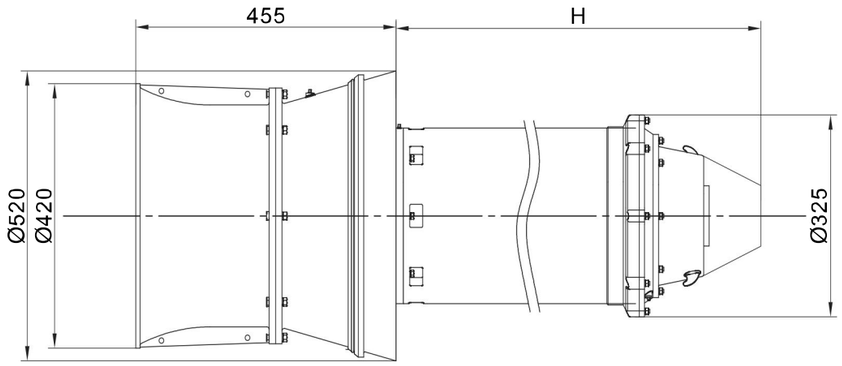


Installation Through
Concrete Well Pipe



Installation with Open Concrete

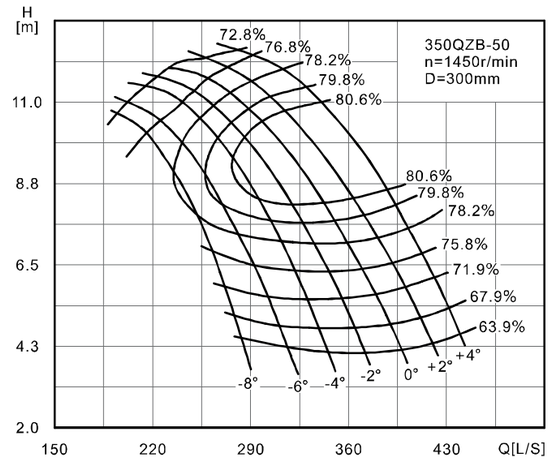
Dimension Drawing



350QZB-50	
Motor power (kW)	H(mm)
4-37	1190
4-40	1250
4-45	1350
4-65	1450
350QZB-50J	
6-15	650

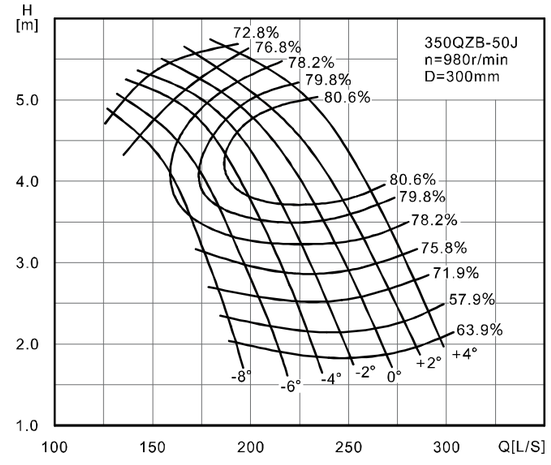
Applicable shaft size: 0.6-0.8m

Performance curve



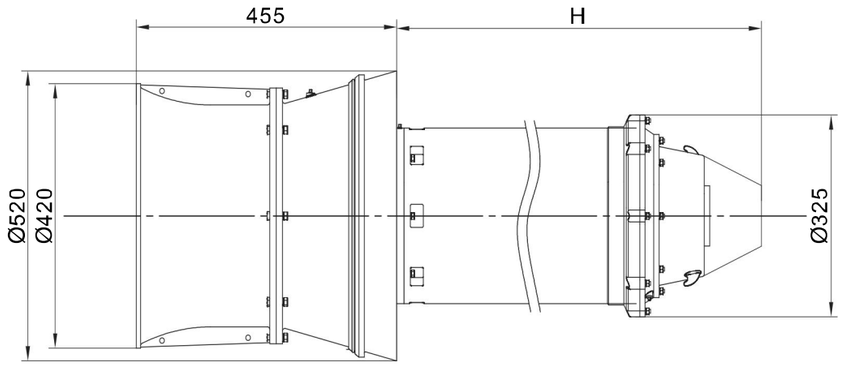
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	914 1033 1137	254 287 216	10.5 8.82 6.82		34.74 30.68 28.18	37	78.58 80.60 78.04	
-2°	927 1101 1213	270 306 337	10.6 8.97 6.94		37.02 34.74 30.58	40	79.05 80.60 78.09	
0°	1037 1177 1112	288 327 360	10.8 9.08 7.07	1450	39.83 37.54 33.07	45	79.64 80.60 78.30	300
+2°	1296 1253 1372	309 348 381	10.9 9.20 7.20		43.16 40.46 35.88		79.96 80.60 77.96	
+4°	1310 1346 1454	364 374 404	9.89 9.35 7.35		44.89 44.20 39.10	65	80.60 80.60 77.60	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	608 706 673	169 196 187	4.88 3.97 4.34		10.82 9.88 10.30		77.93 80.60 80.59	
-2°	648 752 716	180 209 199	4.92 4.02 4.39		11.54 10.61 11.02		78.67 80.60 80.60	
0°	698 803 767	194 223 213	4.97 4.08 4.44	980	12.38 11.54 11.96	15	79.44 80.60 80.60	300
+2°	749 853 817	208 237 227	5.02 4.15 4.50		13.31 12.48 12.90		79.94 80.60 80.60	
+4°	814 911 878	226 253 244	5.10 4.23 4.58		14.66 13.52 14.14		80.21 80.60 80.60	

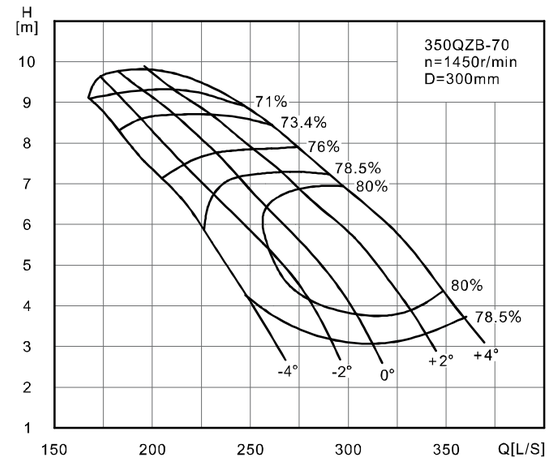
Dimension Drawing



350QZB-70	
Motor power (kW)	H(mm)
4-22	1000
4-30	1190
4-37	1190
350QZB-70J	
6-7.5	500
6-11	600

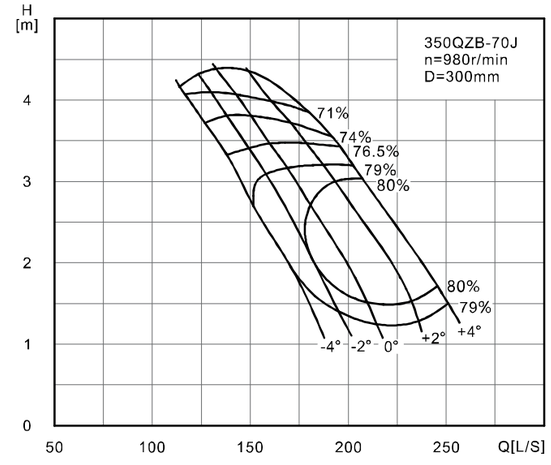
Applicable shaft size: 0.6-0.8m

Performance curve



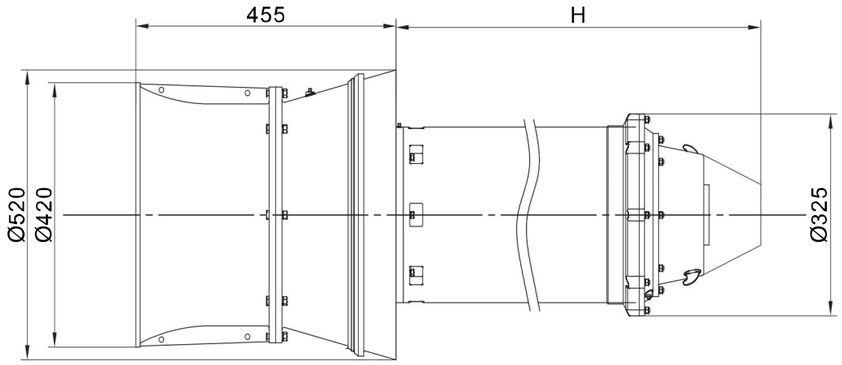
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	716 824 918	199 229 255	7.56 5.74 3.92		20.2 16.8 13.1	22	76.3 79.5 77.9	
-2°	770 896 1008	214 249 280	7.65 5.88 4.10		21.6 18.7 14.7		77.1 80.1 79.7	
0°	817 954 1076	227 265 299	7.73 5.99 4.26	1450	23.3 20.3 16.0	30	77.0 80.1 80.1	300
+2°	896 1037 1159	249 288 322	7.87 6.17 4.46		26.0 22.7 18.3		76.9 80.1 80.0	
+4°	958 1098 1213	266 305 337	7.99 6.31 4.60		28.4 24.5 20.0	37	75.7 80.1 79.3	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	490 558 623	136 155 173	3.41 2.63 1.77		6.14 5.20 4.06		76.5 79.4 77.8	
-2°	526 605 680	146 168 189	3.47 2.73 1.89		6.66 5.82 4.58	7.5	77.5 80.1 79.9	
0°	554 641 724	154 178 201	3.53 2.80 2.00	980	7.18 6.34 5.10		77.0 80.1 80.1	300
+2°	601 688 774	167 191 215	3.62 2.92 2.13		8.11 7.07 5.82	11	76.5 80.1 80.1	
+4°	637 727 810	177 202 225	3.70 3.01 2.23		8.94 7.70 6.34		74.9 80.1 80.1	

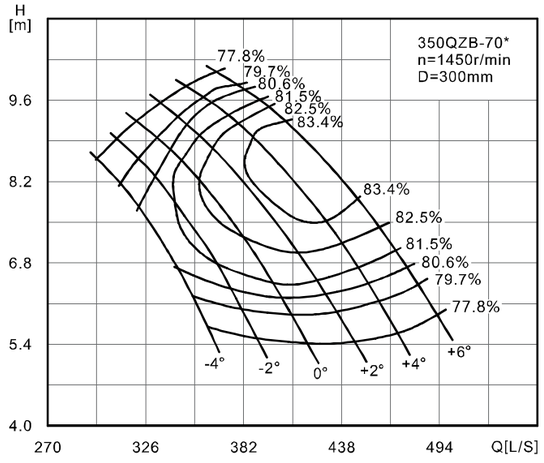
Dimension Drawing



350QZB-70*	
Motor power (kW)	H(mm)
4-40	1250
4-45	1350
350QZB-70*J	
6-15	650

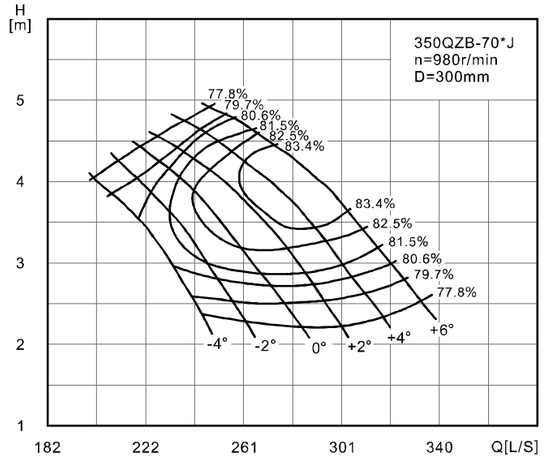
Applicable shaft size: 0.6-0.8m

Performance curve



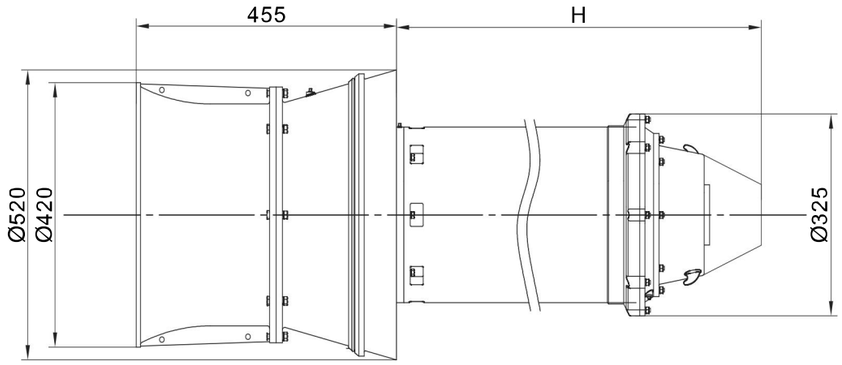
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	1055	293	8.76	1450	34.1	40	76.8	300
	1192	331	7.40		30.9		81.0	
	1321	367	5.36		26.3		76.2	
-2°	1123	312	8.92		36.3		78.1	
	1260	350	7.59		33.0		81.9	
	1397	388	5.60		28.4		78.2	
0°	1184	329	9.08		38.6	45	79.0	
	1328	369	7.79		35.4		82.7	
	1476	410	5.86		30.9		79.4	
+2°	1253	348	9.26		41.0		80.1	
	1397	388	8.00		38.0		83.4	
	1552	431	6.12		33.6		80.1	
+4°	1325	368	9.48		41.9		81.0	
	1476	410	8.16		40.0		83.4	
	1634	453	6.40		36.9		80.4	
+6°	1397	388	9.70		42.9		81.0	
	1548	430	8.50		41.7		83.4	
	1714	476	6.71		38.6		80.5	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	727	202	3.93	980	10.40	15	77.7	300
	814	226	3.30		9.36		81.0	
	893	248	2.46		8.11		76.7	
-2°	770	214	4.01		11.13		78.8	
	860	239	3.39		10.09		81.9	
	943	262	2.57		8.74		78.6	
0°	814	226	4.10		11.86		79.7	
	911	253	3.49		10.92		82.7	
	997	277	2.70		9.67		78.8	
+2°	857	238	4.18		12.58		80.7	
	950	264	3.59		11.65		83.4	
	1048	291	2.82		10.40		80.5	
+4°	907	252	4.29		13.52		81.2	
	1001	279	3.72		12.69		83.4	
	1084	301	2.96		11.44		79.4	

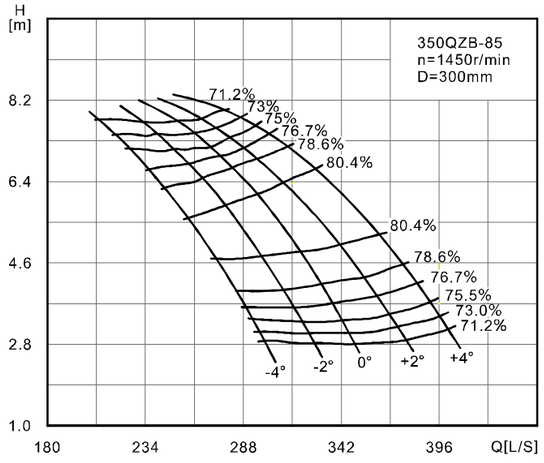
Dimension Drawing



350QZB-85	
Motor power (kW)	H(mm)
4-30	1190
4-37	1190
350QZB-85J	
4-7.5	500
4-11	600

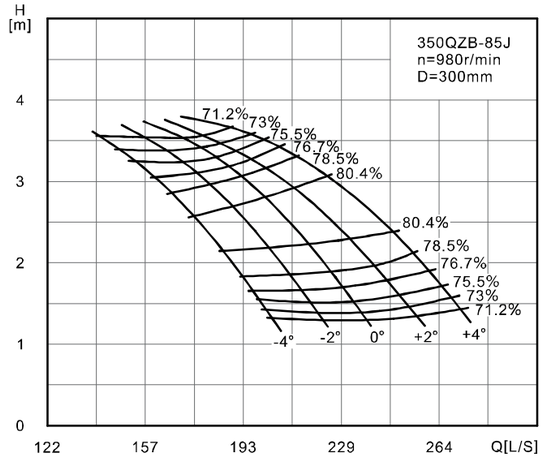
Applicable shaft size: 0.6-0.8m

Performance curve



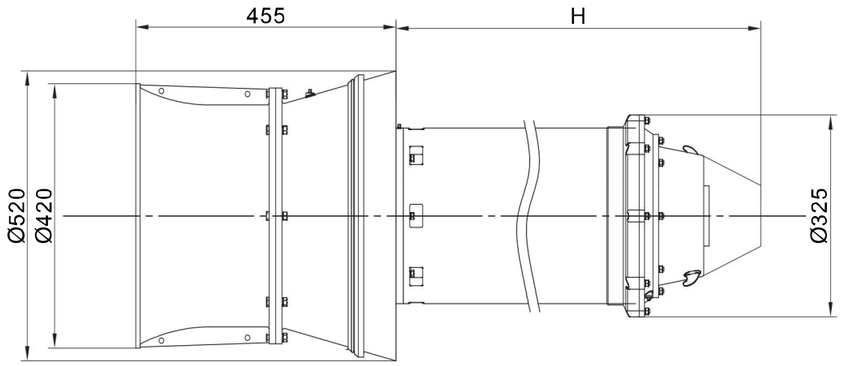
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	828	230	6.98	1450	22.1	30	75.79	300
	968	269	5.01		17.4		80.4	
	1084	304	2.64		11.9		70.3	
-2°	900	250	7.15		24.7		75.3	
	1048	290	5.45		19.6		80.4	
	1177	327	4.10		13.8		81.49	
0°	965	268	7.50		27.4	37	74.05	
	1116	310	5.41		21.7		80.4	
	1246	346	3.40		15.2		73.48	
+2°	1012	381	7.41		28.9		75.06	
	1184	528	5.61		23.8		80.4	
	1332	370	3.39		17.6		74.43	
+4°	1073	298	7.59		31.0		75.89	
	1274	354	5.84		26.5		80.4	
	1411	392	3.67		20.0		74.76	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	583	162	3.00	980	6.57	7.5	77.47	300
	644	179	2.41		5.62		80.40	
	713	198	1.55		4.24		75.15	
-2°	634	176	3.09		7.31	11	77.32	
	695	193	2.51		6.25		80.40	
	770	214	1.66		4.77		76.85	
0°	677	188	3.17		8.06		76.52	
	742	206	2.60		6.89		80.40	
	817	227	1.77		5.41		77.18	
+2°	709	197	3.23		8.59		77.34	
	785	218	2.70		7.63		80.40	
	868	241	1.90		6.15		77.84	
+4°	756	210	3.33		9.33		78.06	
	835	232	2.82		8.48		80.40	
	922	256	2.04		7.00		77.96	

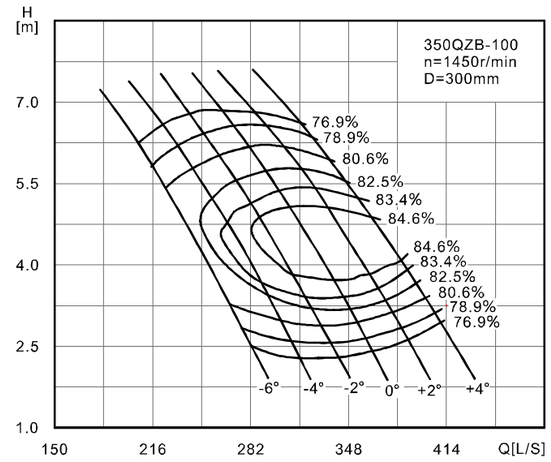
Dimension Drawing



350QZB-100	
Motor power (kW)	H(mm)
4-18.5	1000
4-22	1000
4-30	1190
4-37	1190
350QZB-100J	
6-7.5	500
6-11	600

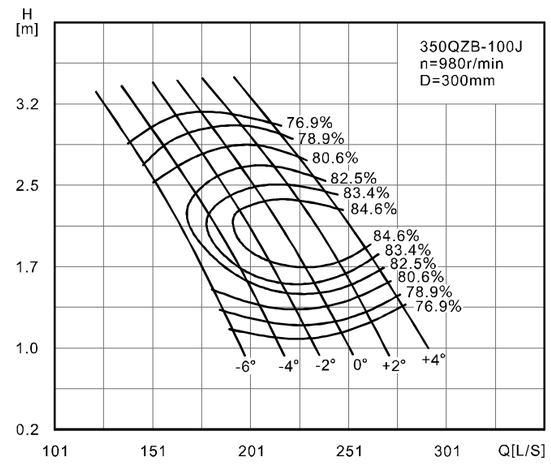
Applicable shaft size: 0.6-0.8m

Performance curve



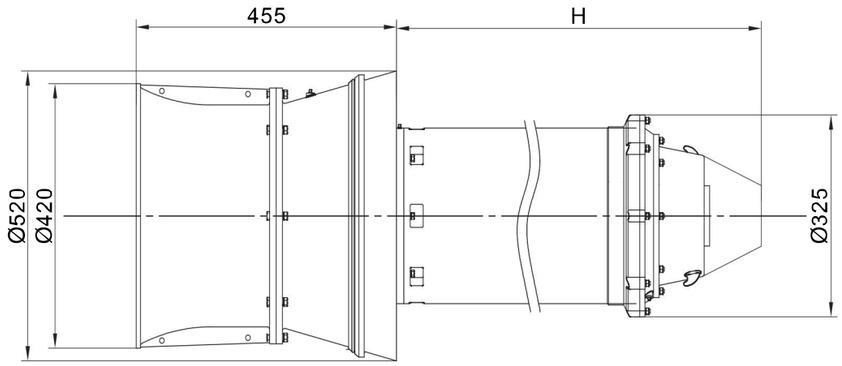
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	788	219	5.79	1450	16.6	18.5	79.31	300
	936	260	3.77		12.4		82.2	
	1040	289	2.17		8.9		73.26	
-4°	871	242	5.96		18.7	22	80.39	
	1022	284	3.98		14.0		84.12	
	1127	313	2.42		10.1		78.15	
-2°	940	261	6.12		20.6	30	80.58	
	1094	304	4.18		15.6		84.6	
	1206	335	2.65		11.7		79.23	
0°	1008	280	6.3		22.8		80.51	
	1170	325	4.39		17.6		84.6	
	1282	356	2.89		13.4		80.05	
+2°	1076	299	6.47		25.1		79.85	
	1246	346	4.62		19.6		84.6	
	1361	378	3.15		15.4		80.44	
+4°	1141	317	6.65		28.4	37	77.1	
	1318	366	4.85		21.8		84.6	
	1440	400	3.40		17.6		80.98	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	497	138	2.95	980	5.51	7.5	76.71	300
	612	170	1.93		4.13		82.62	
	688	191	1.16		2.97		77.00	
-4°	547	152	3.02		6.15		77.46	
	670	186	2.03		4.66		84.31	
	745	207	1.28		3.50		79.92	
-2°	598	166	3.10		6.89		77.63	
	716	199	2.12		5.19		84.60	
	796	221	1.39		3.92		81.23	
0°	641	178	3.17		7.63	11	76.72	
	767	213	2.22		5.83		84.60	
	846	235	1.50		4.45		82.85	
+2°	680	189	3.24		8.57		74.54	
	814	226	2.33		6.47		84.60	
	896	249	1.63		5.09		83.34	
+4°	724	201	3.33		9.86		70.26	
	860	239	2.43		7.21		83.39	
	950	264	1.76		5.83		83.08	

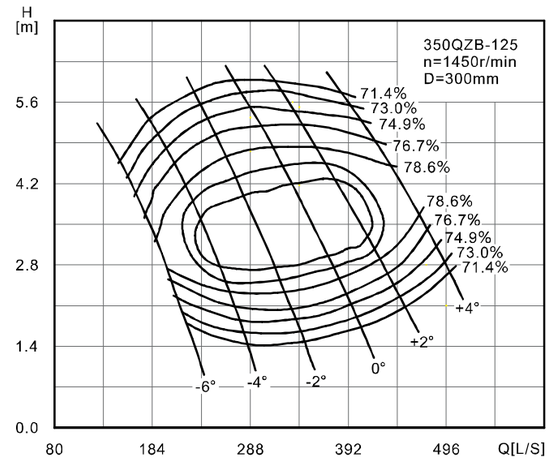
Dimension Drawing



350QZB-125	
Motor power (kW)	H(mm)
4-15	650
4-22	1000
4-37	1190
350QZB-125J	
6-7.5	500
6-11	600

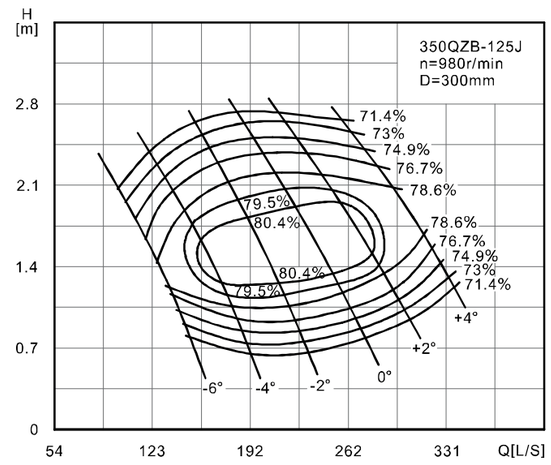
Applicable shaft size: 0.6-0.8m

Performance curve



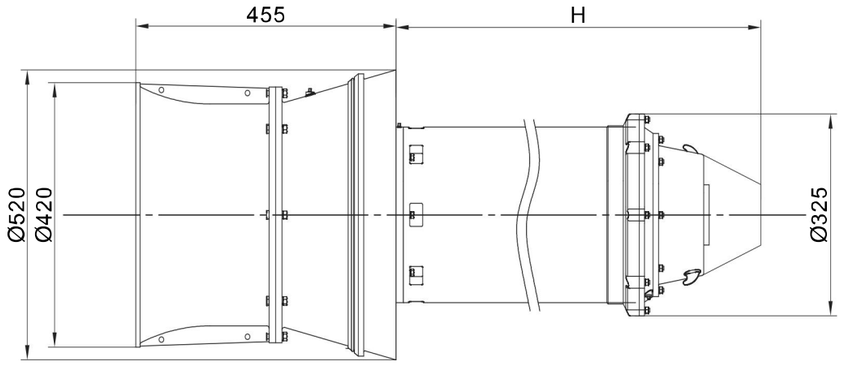
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	745	207	4.56	1450	12.95	15	76.66	300
	914	254	2.84		9.42		80.40	
	1004	279	1.72		6.85		73.61	
-2°	925	257	4.86		16.91	22	77.76	
	1091	303	3.19		12.63		80.40	
	1188	330	2.12		9.42		77.79	
0°	1080	300	5.17		21.30		76.50	
	1260	350	3.60		16.48		80.40	
	1368	380	2.59		13.16		78.71	
+2°	1202	334	5.46		25.57		74.95	
	1400	389	3.97		20.11		80.40	
	1516	421	3.01		16.91		79.02	
+4°	1364	397	5.88		33.17	37	70.42	
	1573	437	4.49		26.11		78.83	
	1692	470	3.58		22.6		78.05	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	504	140	2.07	980	3.96	7.5	76.62	300
	612	170	1.35		3.00		80.40	
	695	193	0.66		1.82		71.66	
-2°	619	172	2.26		5.24		77.37	
	724	201	1.56		4.07		80.40	
	817	227	0.84		2.68		75.42	
0°	713	198	2.45		6.74		75.70	
	828	230	1.80		5.35		80.40	
	947	263	1.06		3.75		76.94	
+2°	788	219	2.61		8.13	11	73.97	
	911	253	2.01		6.63		80.10	
	1048	291	1.25		4.92		77.43	
+4°	875	243	2.84		10.81		67.57	
	1026	285	1.93		7.70		79.60	
	1166	324	1.50		6.74		76.14	

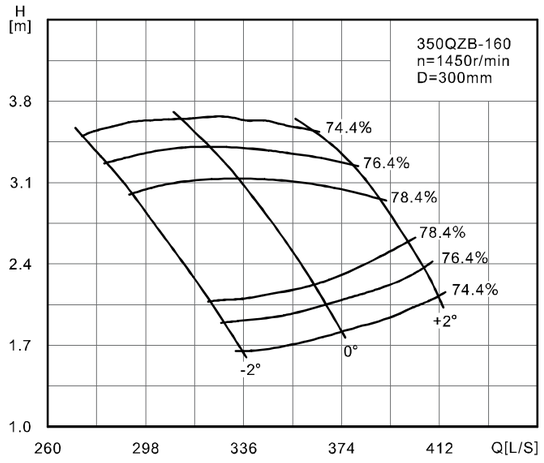
Dimension Drawing



350QZB-160	
Motor power (kW)	H(mm)
4-15	650
4-18.5	1000
4-22	1000
350QZB-160J	
6-7.5	500

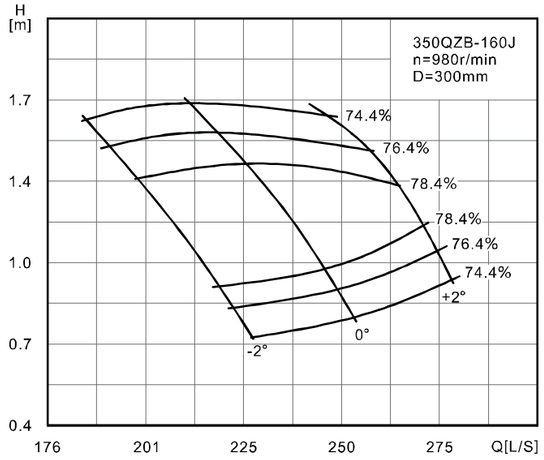
Applicable shaft size: 0.6-0.8m

Performance curve



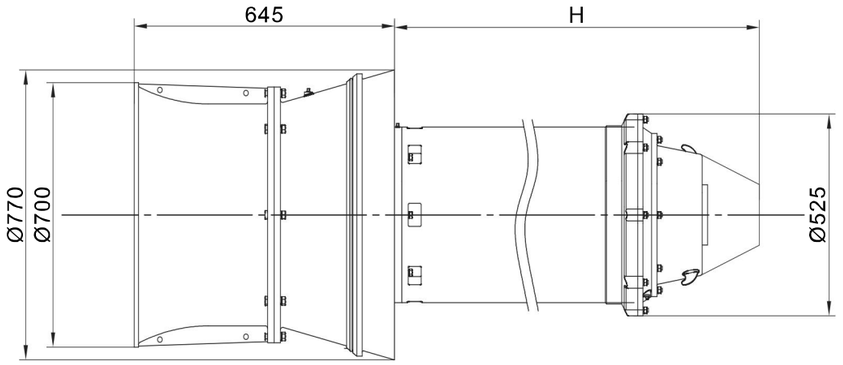
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	1044 1112 1199	290 309 333	3.10 2.56 1.79		12.2 10.6 8.3	15	77.33 78.40 76.21	
0°	1112 1264 1318	309 351 366	3.20 2.68 2.15	1450	13.5 12.6 10.6	18.5	77.11 78.40 77.97	
+2°	1314 1418 1444	365 394 401	3.54 2.80 2.56		18.2 14.8 12.7	22	74.54 78.40 78.4	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	713 742 821	198 206 228	1.40 1.23 0.73		3.75 3.42 2.35		77.94 78.40 74.36	
0°	785 860 907	218 239 252	1.58 1.18 0.85	980	4.82 3.75 3.00	7.5	75.75 78.40 75.17	300
+2°	860 954 1001	239 265 278	1.68 1.31 0.98		5.78 4.71 3.75		72.87 78.40 75.81	

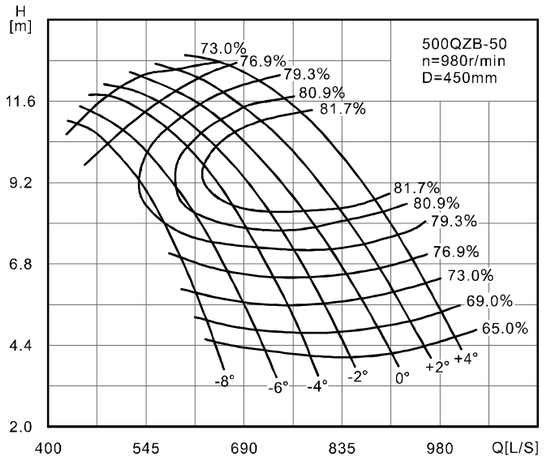
Dimension Drawing



500QZB-50	
Motor power (kW)	H(mm)
6-90	1450
6-110	1450
500QZB-50J	
8-37	600
8-45	900
8-55	1450

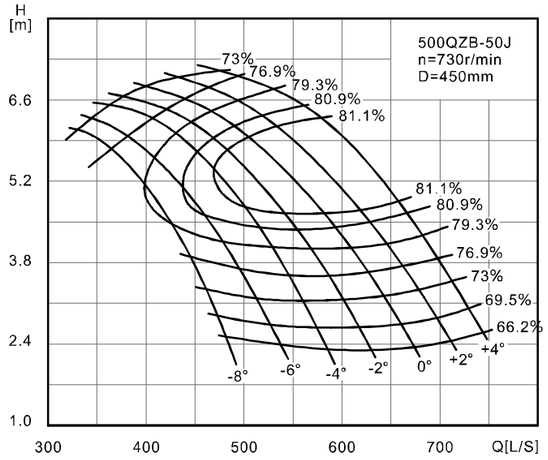
Applicable shaft size: 0.8-0.9m

Performance curve



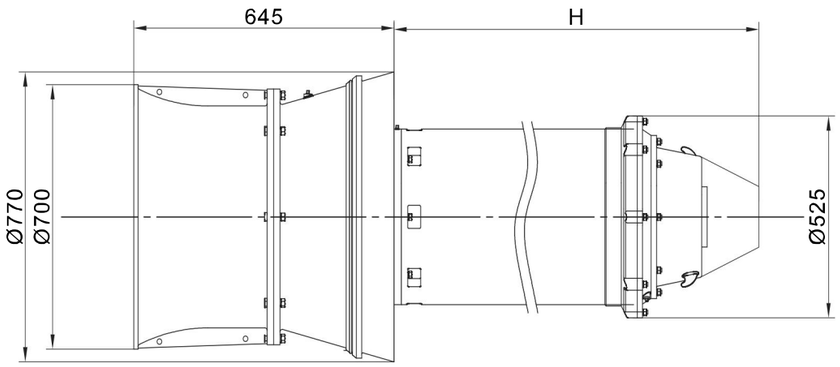
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	1969 2401 2689	547 667 747	11.3 8.79 5.99		81.33 73.22 60.94	90	77.50 81.70 74.89	
-2°	2099 2556 2869	583 710 797	11.4 8.90 6.13		86.94 78.83 66.35		78.02 81.70 75.09	
0°	2250 2728 3064	625 758 851	11.6 9.02 6.28	980	93.39 72.18 101.4	110	78.94 81.70 75.54	450
+2°	2419 2902 3240	672 806 900	11.7 9.15 6.44		92.14 79.25 109.8		79.37 81.70 74.65	
+4°	2635 3107 3420	732 863 950	12.0 9.32 6.60		100.5 86.01 20.0		80.12 81.70 74.42	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	1559 1778 1948	433 494 541	5.98 4.93 3.75		33.18 30.39 26.31	37	79.80 81.70 78.82	
-2°	1656 1890 2077	460 525 577	6.04 5.01 3.85		35.36 32.86 28.7		80.24 81.70 78.84	
0°	1771 2012 2210	492 559 614	6.12 5.10 3.97	730	38.06 35.57 31.41	45	80.85 81.70 79.09	450
+2°	1897 2135 2336	527 593 649	6.21 5.20 4.08		41.18 38.58 34.22		81.19 81.70 78.94	
+4°	2059 2286 2473	572 635 687	6.34 5.33 4.21		44.95 42.33 37.54	55	81.45 81.70 78.68	

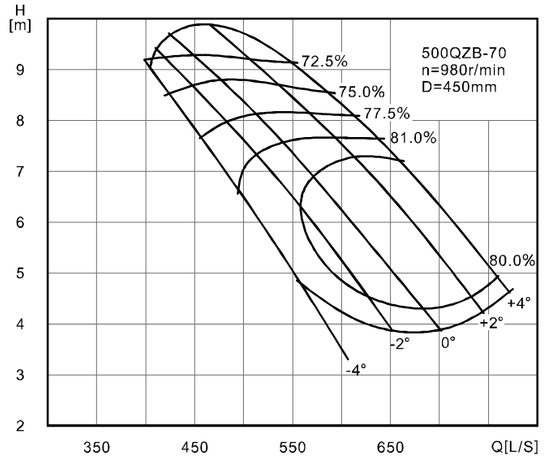
Dimension Drawing



500QZB-70	
Motor power (kW)	H(mm)
6-55	1280
6-75	1280
500QZB-70J	
8-30	700

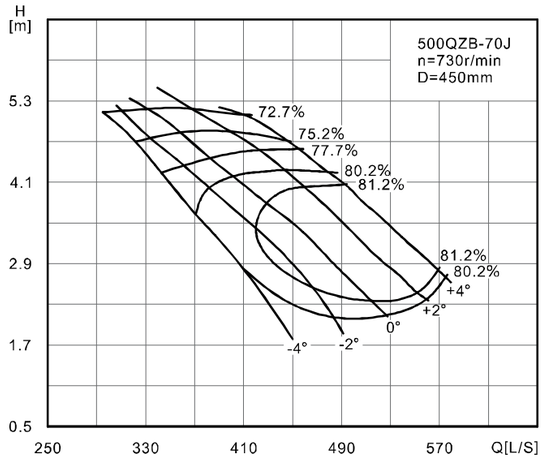
Applicable shaft size: 0.8-0.9m

Performance curve



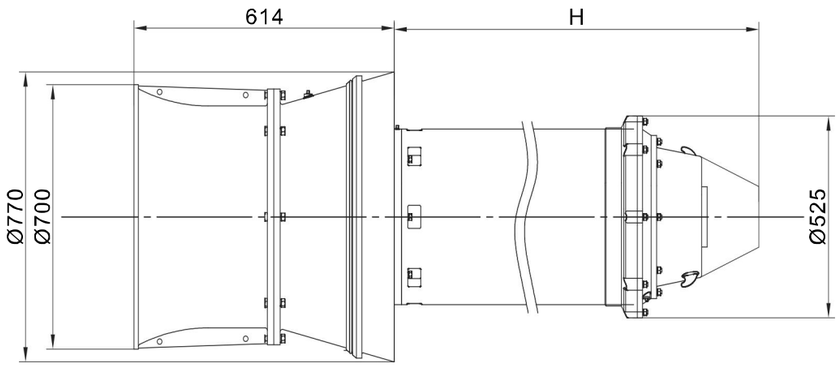
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	1370 1760 2050	380 489 571	9.44 7 4.35		50.4 42.2 31.1		70 79.6 78.5	
-2°	1720 2010 2250	479 559 625	8.2 6.43 4.9		51.9 44 40.5	55	74.5 80 73.5	
0°	2099 2160 2510	583 600 695	7 6.3 3.9	980	50.0 45.5 34.6		79.9 81.2 77	450
+2°	2340 2560 2650	650 711 741	6.6 5.6 4.67		52.5 46.7 41.6	65	81.5 82 61.5	
+4°	2700 2858	750 794	5.6 4.4		49.5 43.4		83 79	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	1020 1310 1530	282 364 426	5.32 3.95 2.45		22.5 18.7 13.8		68.2 78.4 77.2	
-2°	1170 1500 1675	326 416 465	5.16 3.62 2.76		23.4 19.5 18.2		73.0 78.8 71.9	
0°	1480 1610 1870	410 447 520	4.16 3.56 2.16	730	22.4 20.3 15.1	30	77.8 80.1 75.6	450
+2°	1710 1910 1990	474 530 552	3.95 3.10 2.63		23.8 20.7 18.4		80.4 80.9 80.4	
+4°	1640 1860 2100	454 544 582	4.44 3.52 2.82		27.4 22.6 20.6		75.4 82.0 81.5	

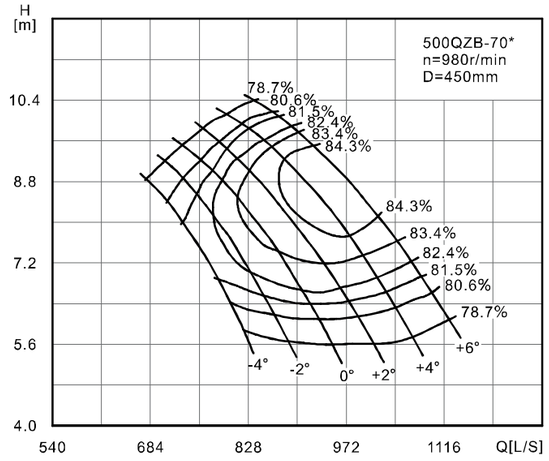
Dimension Drawing



500QZB-70*	
Motor power (kW)	H(mm)
6-95	1450
6-110	1450
6-130	1650
500QZB-70*J	
8-37	800
8-45	900
8-55	1450

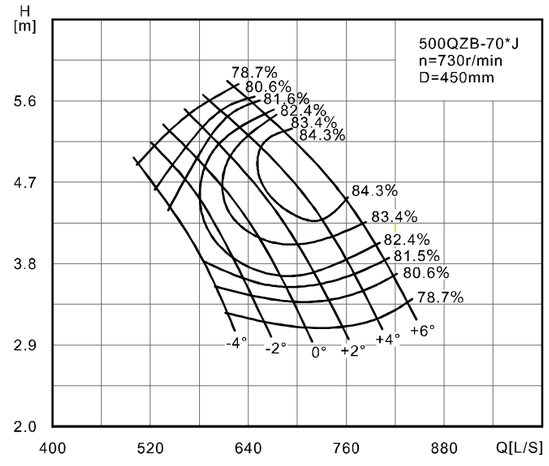
Applicable shaft size: 0.8-0.9m

Performance curve



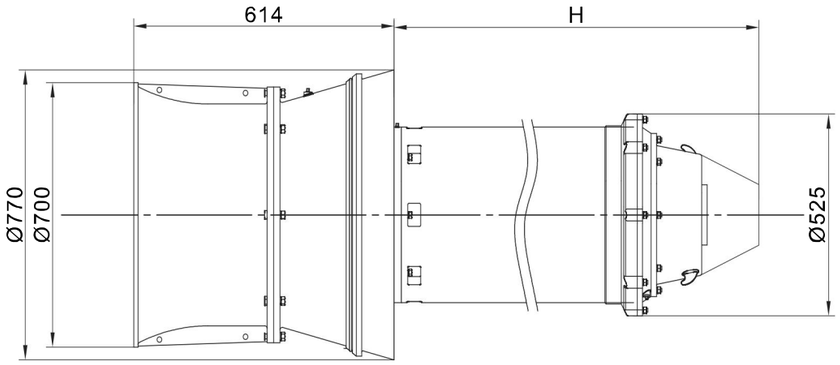
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	2243 2711 3013	623 753 837	8.94 7.67 5.47		78.5 72.0 60.9	95	79.31 82.2 73.26	
-2°	2574 2858 3190	715 791 886	9.11 7.86 5.72		83.7 77.0 65.5	110	80.39 84.12 78.15	
0°	2718 3020 3373	755 839 937	9.29 8.08 5.99	980	89.2 82.7 71.3		80.58 84.6 79.23	450
+2°	2869 3172 3546	797 881 985	9.48 8.29 6.26		94.9 88.4 77.7	130	80.51 84.6 80.05	
+4°	3042 3355 3726	845 932 1035	9.71 8.56 6.57		102.4 96.5 85.2		79.85 84.6 80.44	
+6°	3193 3510 3906	887 975 1085	9.93 8.81 6.68		109.5 104.0 93.6		77.07 84.6 80.98	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	1843 1987 2174	512 552 604	4.87 4.38 3.46		32.45 30.16 26.62	37	79.07 81.71 80.32	
-2°	1955 2102 2300	543 584 639	4.96 4.48 3.59		34.55 32.24 28.70		80.32 82.61 81.52	
0°	2063 2218 2430	573 616 675	5.06 4.59 3.73	730	36.86 34.53 30.99	45	80.99 83.55 82.60	450
+2°	2174 2333 2556	604 648 710	5.17 4.70 3.85		39.17 36.82 33.59		82.17 84.30 83.06	
+4°	2182 2466 2696	606 685 749	5.54 4.84 4.00		42.95 40.14 36.71	55	79.76 84.30 83.20	

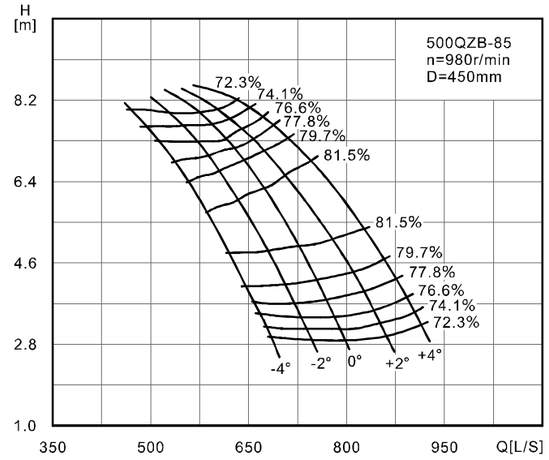
Dimension Drawing



500QZB-85	
Motor power (kW)	H(mm)
6-55	1280
6-65	1280
6-80	1450
500QZB-85J	
8-30	700
8-37	800

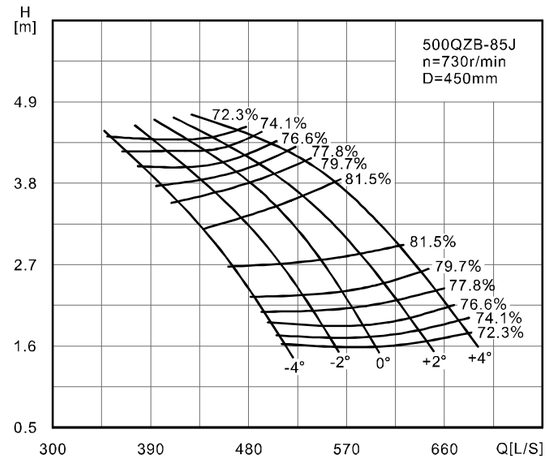
Applicable shaft size: 0.8-0.9m

Performance curve



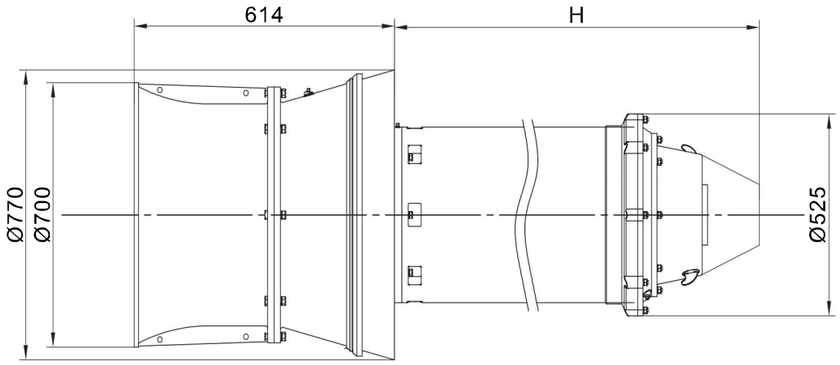
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	1973	538	6.93	980	50.0	55	71.55	450
	2178	605	5.38		41.5		81.5	
	2466	685	3.01		29.6		72.59	
-2°	2102	584	7.10		55.61	65	77.52	
	2358	655	5.59		46.6		81.5	
	2657	738	3.26		33.5		74.66	
0°	2257	627	7.27		61.5		77.01	
	2520	700	5.78		51.6		81.5	
	2812	781	3.47		36.5		77.12	
+2°	2362	656	7.39		64.9	80	77.52	
	2664	740	5.97		56.2		81.5	
	3006	835	3.75		42.2		77.25	
+4°	2520	700	7.58		70.2		78.57	
	2837	788	6.21		62.4		81.5	
	3186	885	4.03		48		77.34	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	1346	374	4.21	730	21.94	30	74.72	450
	1613	448	3.03		17.28		81.50	
	1775	493	2.08		13.42		78.06	
-2°	1465	407	4.30		24.13		73.81	
	1746	485	3.15		19.14		81.50	
	1912	531	2.22		15.29		78.82	
0°	1559	433	4.38		26.62		72.71	
	1861	517	3.27		21.22		81.50	
	2030	564	2.35		17.06		79.38	
+2°	1627	452	4.44		28.29	37	72.56	
	1969	547	3.38		23.19		81.50	
	2160	600	2.51		19.24		79.78	
+4°	1721	478	4.53		30.37		72.82	
	2092	581	3.52		25.69		81.50	
	2290	636	2.67		21.63		80.04	

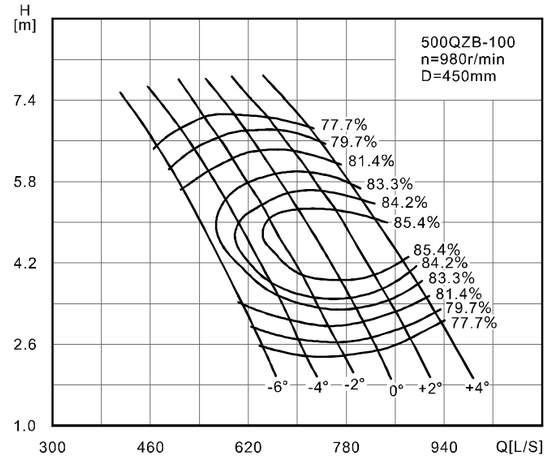
Dimension Drawing



500QZB-100	
Motor power (kW)	H(mm)
6-55	1280
6-65	1280
500QZB-100J	
8-22	600
8-30	700

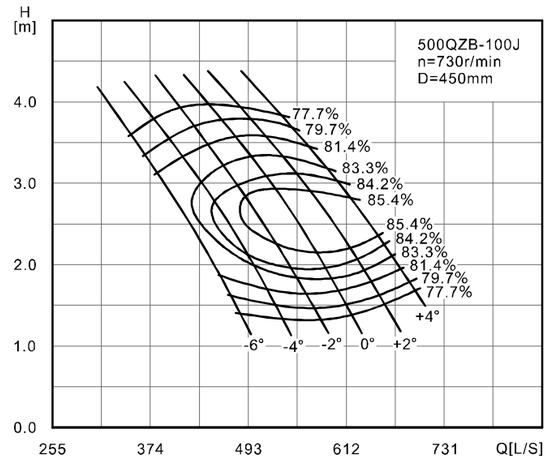
Applicable shaft size: 0.8-0.9m

Performance curve



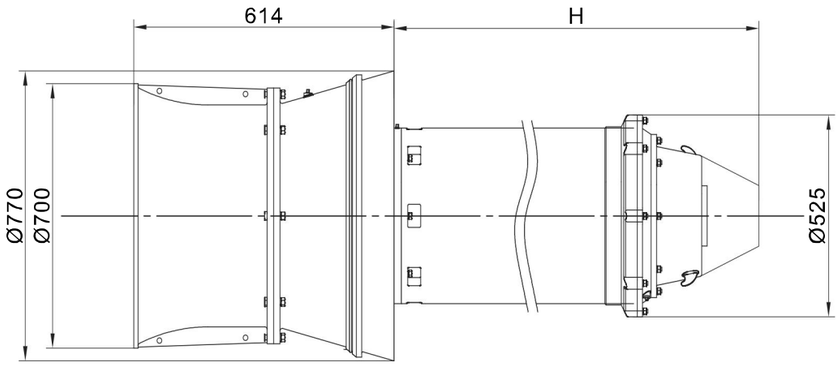
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	1886	524	5.46	980	36.2	55	80.75	450
	2149	597	3.81		28.5		83.15	
	2390	664	2.07		19.6		78.18	
-4°	2070	575	5.63		40.7		81.46	
	2344	651	4.02		31.9		85.09	
	2596	721	2.32		22.3		81.29	
-2°	2236	621	5.80		45.0		81.92	
	2513	698	4.22		35.8		85.40	
	2776	771	2.55		25.9		83.92	
0°	2405	668	5.99		49.8		80.87	
	2686	746	4.43		40.3		85.40	
	2952	820	2.97		29.9		83.92	
+2°	2556	710	6.17		55.1	65	80.87	
	2858	794	4.66		45.0		85.40	
	3136	871	3.06		34.4		84.20	
+4°	2707	752	6.36		61.7		78.28	
	3020	839	4.89		49.9		85.16	
	3316	921	3.34		39.5		84.15	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	1361	378	3.22	730	15.69	22	80.75	450
	1584	440	2.20		12.08		83.15	
	1717	477	1.50		9.54		78.18	
-4°	1498	416	3.33		17.60		81.46	
	1724	479	2.33		13.67		85.09	
	1865	518	1.64		10.92		81.29	
-2°	1613	448	3.43		19.50		81.92	
	1847	513	2.45		15.37		85.40	
	1994	554	1.78		12.40		82.52	
0°	1732	481	3.54		21.62	30	81.89	
	1973	548	2.59		17.28		85.40	
	2120	589	1.92		13.99		83.92	
+2°	1836	510	3.64		23.96		80.87	
	2092	581	2.72		19.29		85.40	
	2250	625	2.07		16.01		84.20	
+4°	1948	541	3.76		27.03		78.28	
	2207	613	2.86		21.41		85.16	
	2376	660	2.23		18.13		84.15	

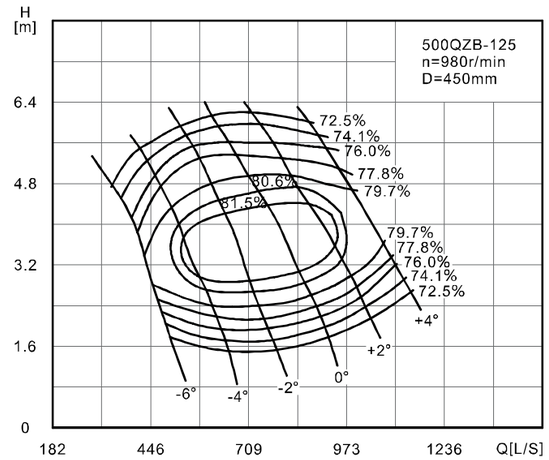
Dimension Drawing



Applicable shaft size: 0.8-0.9m

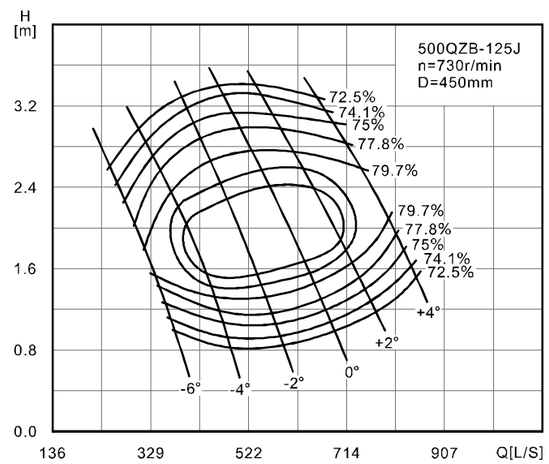
500QZB-125	
Motor power (kW)	H(mm)
6-37	900
6-55	1280
6-65	1280
6-80	1450
500QZB-125J	
8-11	500
8-15	550
8-22	650
8-30	700
8-37	800

Performance curve



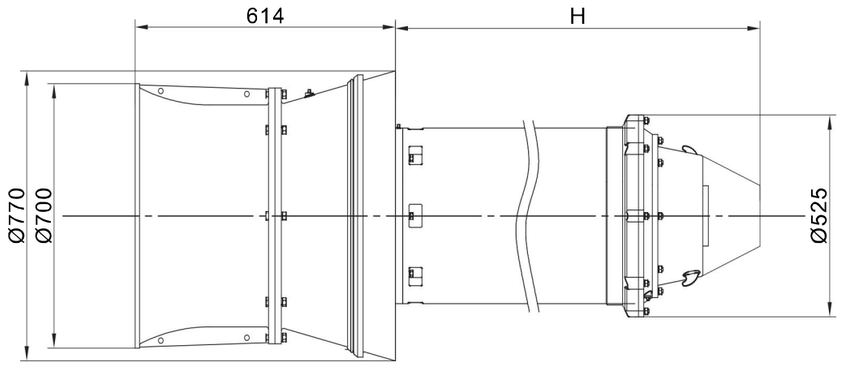
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	1447	402	3.74	980	20.4	37	77.84	450
	1681	467	2.56		16.2		77.79	
	2599	722	1.01		10.2		74.59	
-4°	1850	514	4.05		27.1		80.52	
	2088	580	2.91		21.7		81.50	
	3128	869	1.41		17.1		75.05	
-2°	2239	622	4.42		35.7	55	80.65	
	2473	687	3.32		29.4		81.50	
	3654	1015	1.89		25.1		79.86	
0°	2599	722	4.82		45.7		80.00	
	2855	793	3.8		38.9		81.50	
	4165	1157	2.42		36.2		81.44	
+2°	2873	798	5.17		55.0	65	78.63	
	3150	875	4.21		47.4		81.50	
	4558	1266	2.88		46.8		82.00	
+4°	3236	899	5.69		72.7	80	73.92	
	3528	980	4.8		62.4		79.16	
	5036	1399	3.5		63.2		81.25	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	1012	281	2.30	730	8.99	11	75.81	450
	1231	342	1.50		6.85		79.00	
	1379	383	0.88		4.92		71.90	
-4°	1318	366	2.44		11.88	15	79.33	
	1541	428	1.67		9.20		81.50	
	1688	469	1.07		6.96		75.60	
-2°	1620	450	2.62		15.52	22	79.93	
	1840	511	1.87		12.31		81.50	
	1994	554	1.29		9.42		79.55	
0°	1886	524	2.80		19.47		79.04	
	2128	591	2.10		15.94		81.50	
	2304	640	1.55		12.95		80.37	
+2°	2099	583	2.97		23.43	30	77.64	
	2362	656	2.30		19.47		81.50	
	2552	709	1.79		16.48		80.63	
+4°	2383	662	3.22		30.60	37	73.27	
	2660	739	2.60		25.36		79.70	
	2851	792	2.11		21.94		79.73	

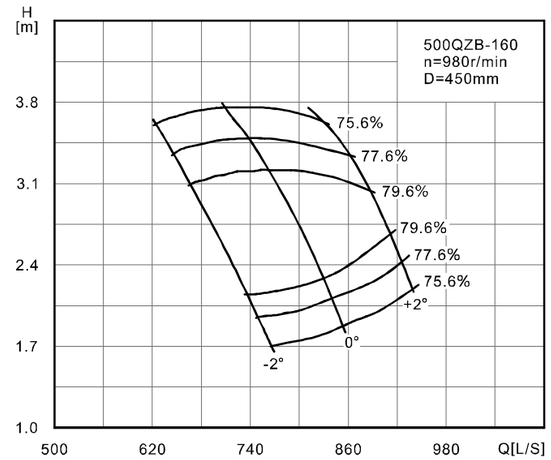
Dimension Drawing



Applicable shaft size: 0.8-0.9m

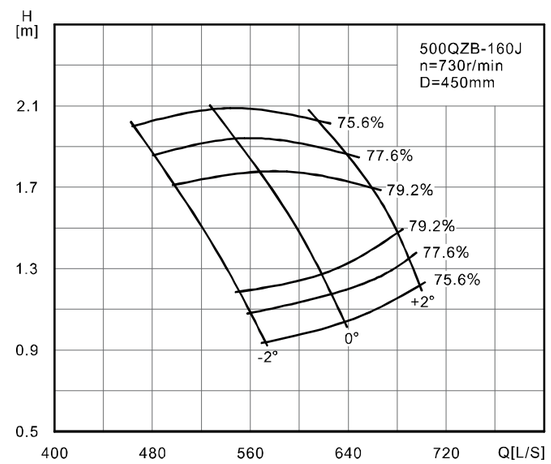
500QZB-160	
Motor power (kW)	H(mm)
6-45	1100
6-55	1280
500QZB-160J	
8-15	550
8-32	700

Performance curve



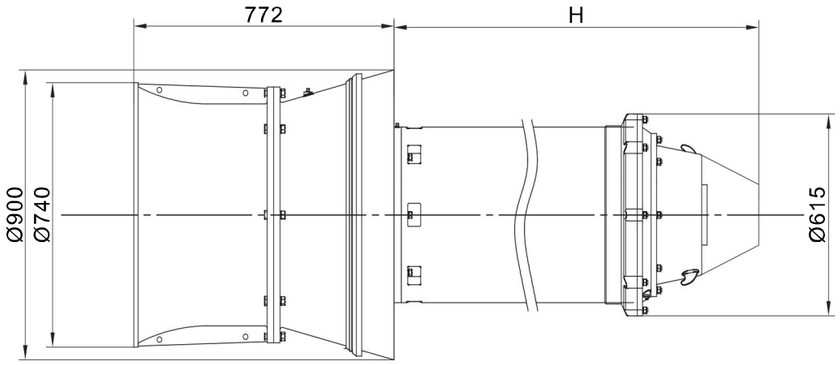
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	2394	665	3.15	980	27.9	45	78.8	450
	2653	737	2.16		21.0		79.6	
	2729	758	1.85		19.0		77.38	
0°	2668	741	3.48		34.9	45	77.52	
	2930	814	2.52		27.0		79.6	
	2999	833	2.22		24.5		79.33	
+2°	2909	808	3.79		43.2	55	74.39	
	3218	894	2.94		34.7		79.6	
	3287	913	2.64		31.8		79.6	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	1778	494	1.76	730	11.66	15	78.64	450
	1930	536	1.35		9.52		79.60	
	2063	573	0.92		7.28		75.84	
0°	2009	558	1.89		14.12		78.17	
	2160	600	1.48		11.77		79.60	
	2282	634	1.06		9.31		76.52	
+2°	2228	619	1.68		17.44	32	75.65	
	2398	666	1.31		14.45		79.60	
	2513	698	0.98		11.66		76.82	

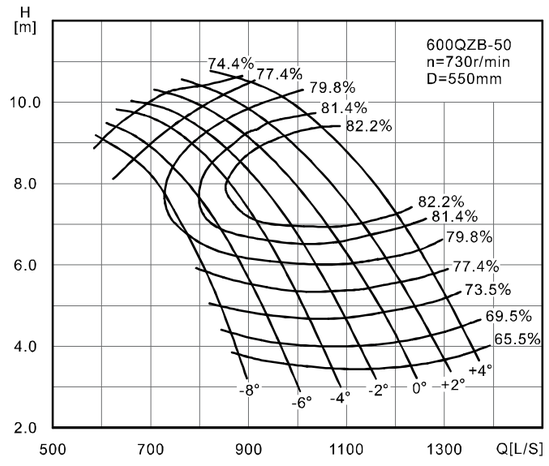
Dimension Drawing



600QZB-50	
Motor power (kW)	H(mm)
8-95	1700
8-110	1700
8-132	1900
600QZB-70	
8-65	1600
8-75	1700
8-80	1700

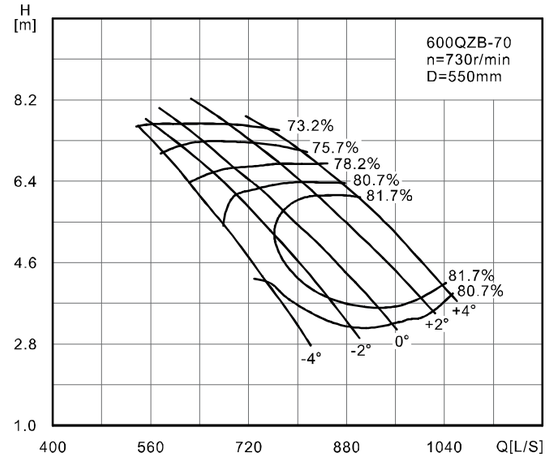
Applicable shaft size: 0.9-1.0m

Performance curve



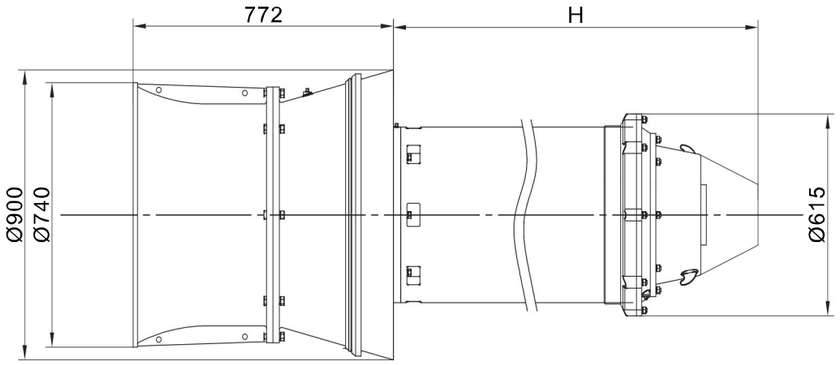
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	2812 3222 3668	781 895 1019	9.02 7.47 4.86	730	89.96 82.99 67.60	95	79.81 82.20 74.84	550
-2°	2981 3434 3917	828 954 1088	9.15 7.56 4.98		96.20 89.44 76.96	110	80.29 82.20 74.97	
0°	3179 3884 4180	883 1079 1161	9.30 7.66 5.12		103.7 96.82 80.39		80.82 82.20 75.42	
+2°	3391 3902 4421	942 1084 1228	9.48 7.78 5.25		112.4 104.5 88.09	132	71.05 82.20 74.71	
+4°	3665 4180 4666	1018 1161 1296	9.73 7.92 5.40		124.4 114.2 95.89		81.23 82.20 74.41	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	2232 2621 2797	620 728 777	6.40 5.54 3.62	730	52.00 47.70 35.88	65	77.80 80.93 79.88	550
-2°	2408 2869 3071	669 797 853	6.46 4.65 3.75		55.95 46.49 40.04		78.81 81.50 81.45	
0°	2556 3056 3283	710 849 912	6.52 4.74 3.86		60.01 50.44 43.99		78.77 81.50 81.50	
+2°	2808 3323 3553	780 923 987	6.63 4.88 4.00		66.87 56.37 49.40	75	78.87 81.50 81.50	
+4°	3002 3510 3726	834 975 1035	6.71 4.98 4.10		73.32 60.74 53.14	80	77.90 81.50 81.50	

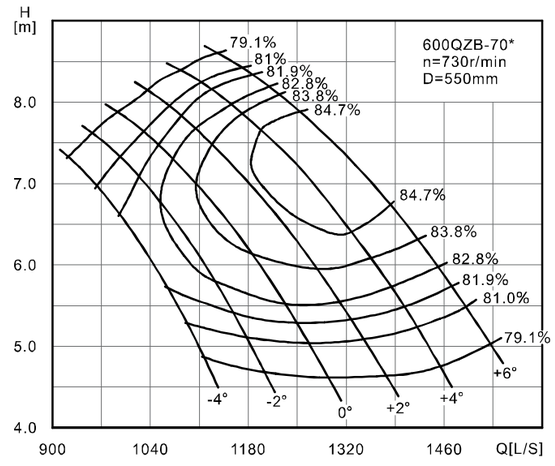
Dimension Drawing



600QZB-70*	
Motor power (kW)	H(mm)
8-95	1700
8-110	1700
8-132	1900
600QZB-75	
8-90	1700
8-110	1700
8-132	1900

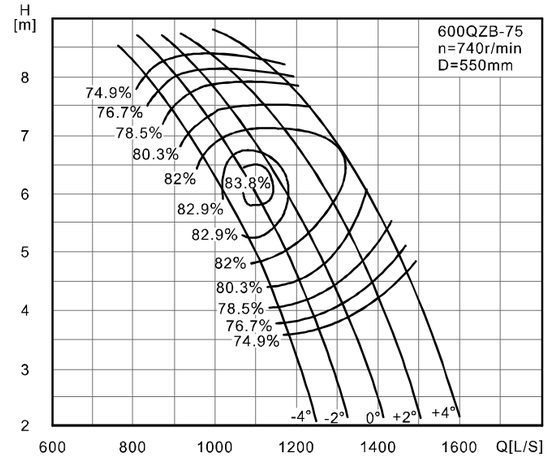
Applicable shaft size: 0.9-1.0m

Performance curve



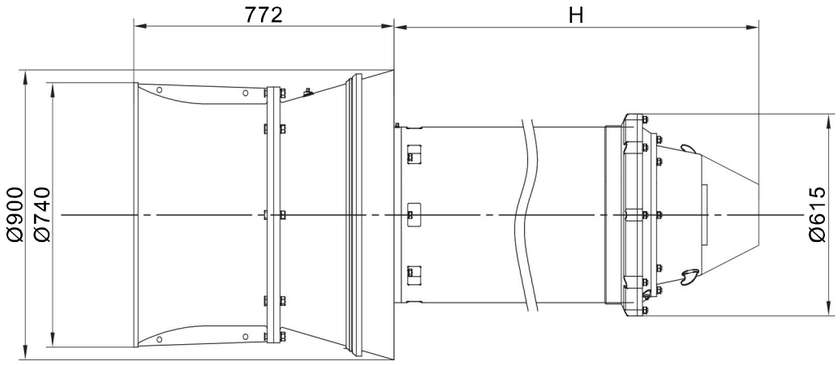
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	3290 3715 4064	914 1032 1129	7.42 6.23 4.72	730	88.2 79.8 69.2	95	78.45 82.32 78.36	550
-2°	3492 3924 4298	970 1090 1194	7.59 6.4 4.92		94.0 85.6 74.9	110	79.67 92.24 80.02	
0°	3686 4144 4903	1024 1151 1362	7.71 6.58 5.14		100.2 91.9 81.3		80.45 84.03 81.44	
+2°	3895 4352 4774	1082 1209 1326	7.88 6.77 5.37		106.6 98.6 88.5	132	81.6 84.7 82.03	
+4°	4126 4597 5018	1146 1277 1394	8.07 6.99 5.62		115.0 107.5 97.1		88.14 84.7 82.2	
+6°	4334 4817 5263	1024 1888 1462	8.25 7.21 5.88		128.1 116.2 106.4		82.36 84.7 82.48	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	3370.8 3842.4 4116.4	936.3 1067.3 1143.4	7.09 5.55 4.4	740	81.2 69.6 61.5	90	80.3 83.5 80.3	550
-2°	3484.5 4011.1 4359.9	967.9 1114.2 1211.1	7.35 5.94 4.55		87 77.1 67.4	110	80.3 84.1 80.3	
0°	3749.0 4199.0 4575.4	1041.4 1166.4 1271	7.54 6.16 4.84		96 84.7 75.2		80.3 83.3 80.3	
+2°	4033.6 4493.4 4833.8	1120.4 1248.2 1342.7	7.61 6.29 5.39		104.2 93.1 88.5		80.3 82.7 80.3	
+4°	4455.8 4701.7 4952.8	1237.7 1306 1375.8	7.6 6.67 6.00		115 104.1 100.8	132	80.3 82.1 80.3	

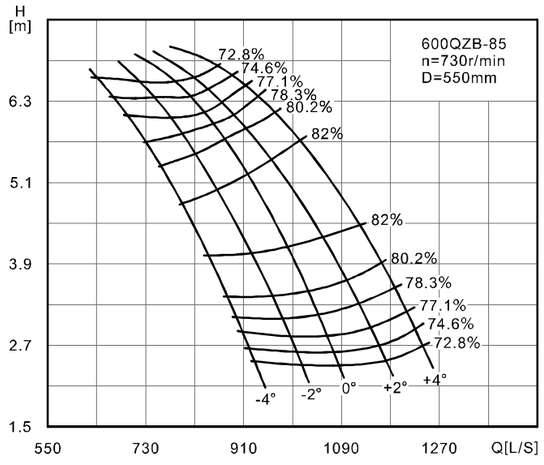
Dimension Drawing



Applicable shaft size: 0.9-1.0m

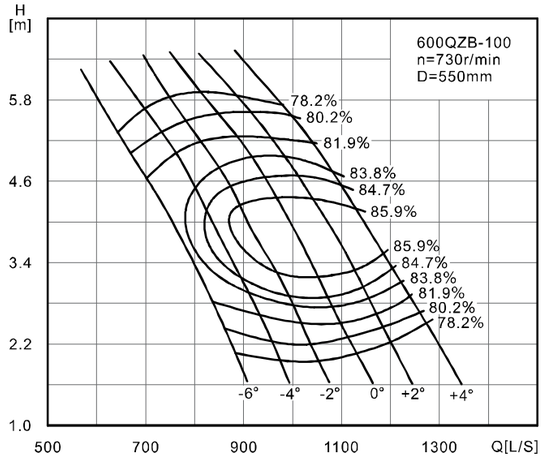
600QZB-85	
Motor power (kW)	H(mm)
8-65	1600
8-75	1700
8-80	1700
8-85	1700
8-95	1700
600QZB-100	
8-55	1450
8-65	1600
8-75	1700
8-80	1700

Performance curve



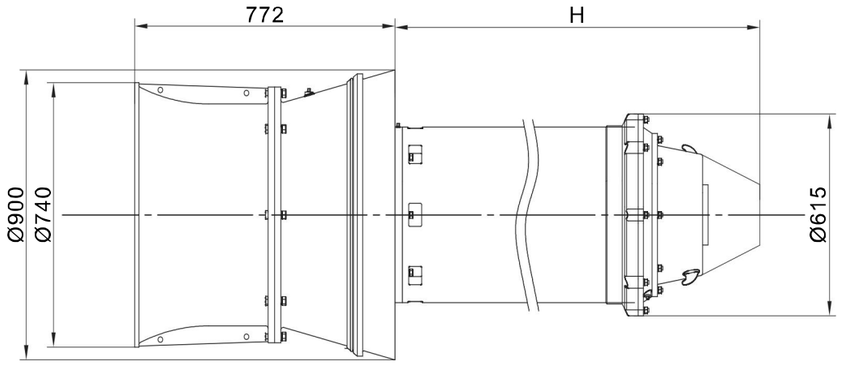
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	2560 2984 3391	711 829 942	5.98 4.35 2.26		57.2 45.7 31.0	65	77.8 82.0 71.64	
-2°	2783 3229 3650	773 897 1014	6.12 4.53 2.48		64.1 51.5 35.6	75	76.65 82.0 73.32	
0°	2984 3449 3866	829 9580 1074	6.25 4.71 2.67	730	71.3 57.1 35.5	80	75.55 82.0 75.28	550
+2°	3114 3643 4129	865 1012 1147	6.35 4.87 2.92		75.0 62.6 45.7	85	76.06 82.0 76.22	
+4°	3316 3217 4374	921 1077 1216	6.50 5.08 3.16		80.6 69.3 52.0	95	77.18 82.0 76.66	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	2488 2916 3233	691 810 898	4.81 3.17 1.8		42.6 32.1 22.5	55	81.22 83.36 74.48	
-2°	2732 3182 3510	759 884 975	4.95 3.36 2.01		47.7 36.0 25.7		82.06 85.62 79.0	
0°	2952 3406 3748	820 946 1041	5.10 3.53 2.21	730	52.7 40.4 29.8	65	82.46 85.9 80.4	550
+2°	3172 3640 3985	881 1011 1107	5.25 3.72 2.42		58.3 45.4 34.4		82.43 85.9 80.98	
+4°	3373 3870 4234	937 1075 1176	5.4 3.91 2.65		64.5 51.0 39.7	75	81.63 85.9 81.65	
+6°	3578 4090 4471	994 1136 1242	5.56 4.11 2.89		72.6 56.6 45.6	80	79.22 85.9 81.95	

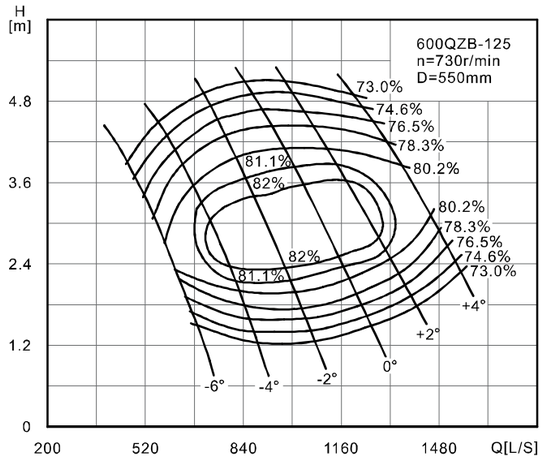
Dimension Drawing



Applicable shaft size: 0.9-1.0m

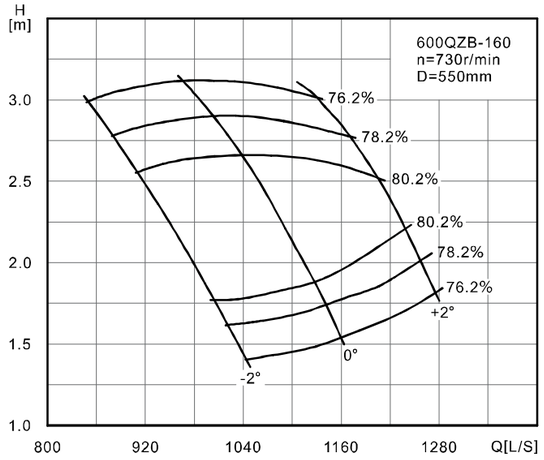
600QZB-125	
Motor power (kW)	H(mm)
8-30	1000
8-37	1200
8-55	1450
8-65	1600
8-75	1700
8-95	1700
600QZB-160	
8-37	1200
8-45	1300
8-55	1450

Performance curve



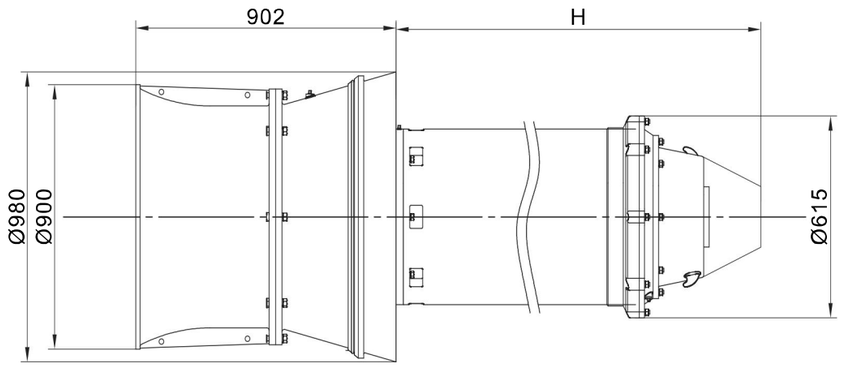
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	1800 2293 2628	500 637 730	3.57 2.10 0.89		24.9 18.0 9.0	30	75.47 78.24 75.95	
-4°	2329 2833 3172	647 787 881	3.82 2.42 1.24		33.0 24.4 15.8	37	78.65 82.0 73.4	
-2°	2866 3355 3719	796 932 1033	4.14 2.79 1.68		43.7 33.3 23.3	55	79.32 82.0 78.17	
0°	3326 3859 4259	927 1072 1183	4.47 3.21 2.18	730	55.6 44.0 33.7	65	77.84 82.0 80.2	550
+2°	3676 4244 4680	1021 1179 1300	4.75 3.56 2.61		67.0 53.8 44.0	75	76.04 82.0 80.92	
+4°	4136 4748 5184	1149 1319 1440	5.16 4.08 3.18		88.1 71.5 59.7	95	70.65 79.08 80.44	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	3222 3492 3701	895 970 1028	2.69 2.15 1.57		32.1 28.9 21.6	37	78.67 80.2 78.24	
0°	3578 3938 4090	994 1094 1136	2.97 2.21 1.80	730	40.0 31.7 27.0	45	77.31 80.2 79.43	550
+2°	3870 4392 4511	1075 1220 1253	3.21 2.48 2.08		48.9 39.3 34.6	55	74.3 80.2 79.39	

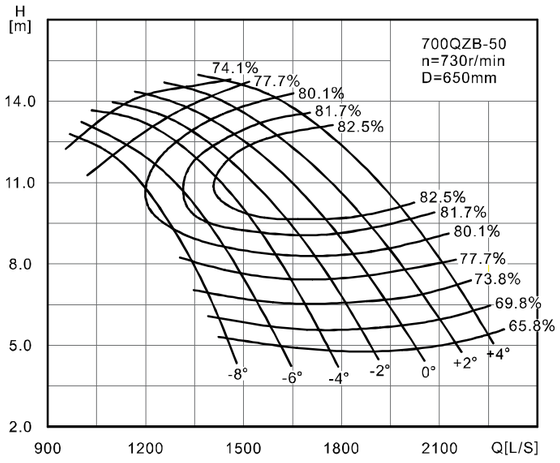
Dimension Drawing



700QZB-50	
Motor power (kW)	H(mm)
8-220	2220
8-250	2300
8-280	2440
700QZB-50J	
10-132	1900
10-155	2000

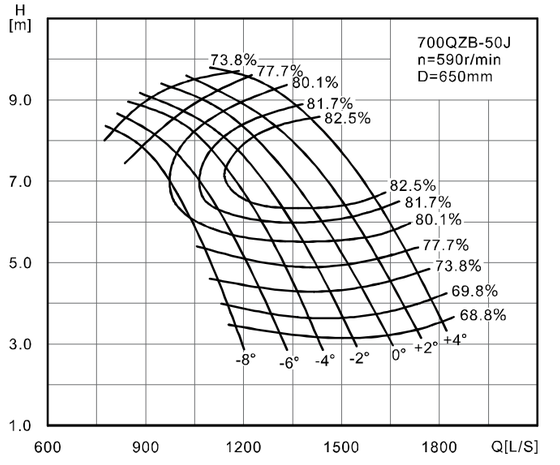
Applicable shaft size: 1.1-1.2m

Performance curve



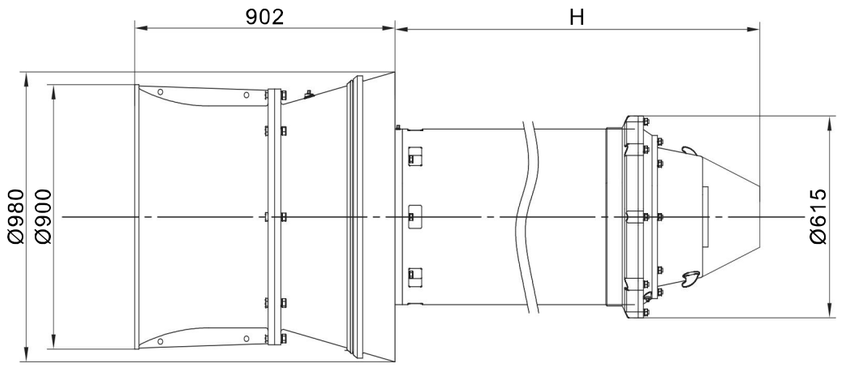
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	4691	1303	12.5		206.4	220	80.54	
	5418	1505	10.1		187.0		82.50	
	6012	1670	7.05		163.4		76.40	
-2°	4982	1384	12.6		220.3	250	80.98	
	5771	1603	10.2		201.6		82.50	
	6422	1784	7.19		171.3		76.47	
0°	5324	1497	12.8	730	237.0		81.57	650
	6163	1712	10.3		218.1		82.50	
	6858	1905	7.36		186.7		76.61	
+2°	5692	1581	13.0		256.5	280	81.88	
	6556	1821	10.4		235.1		82.50	
	7258	2016	7.52		204.1		75.83	
+4°	6174	1715	13.3		272.5		82.12	
	7016	1949	10.6		256.2		82.50	
	7672	2123	7.70		221.8		75.48	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	3866	1074	8.01		108.2	132	81.07	
	4363	1212	6.62		99.12		82.50	
	4986	1385	4.00		78.00		72.50	
-2°	4097	1138	8.11		115.4		81.52	
	4644	1290	6.70		106.8		82.50	
	5324	1479	4.12		85.49		72.63	
0°	4370	1214	8.23		124.3		82.04	
	4957	1377	6.79	590	115.7		82.50	650
	5684	1579	4.24		93.91		72.75	
+2°	4666	1296	8.37		134.6	155	82.27	
	5270	1464	6.90		124.9		82.50	
	6008	1669	4.37		102.8		72.38	
+4°	5051	1403	8.57		148.8		82.43	
	5645	1568	7.03		136.2		82.50	
	6329	1758	4.49		111.8		72.09	

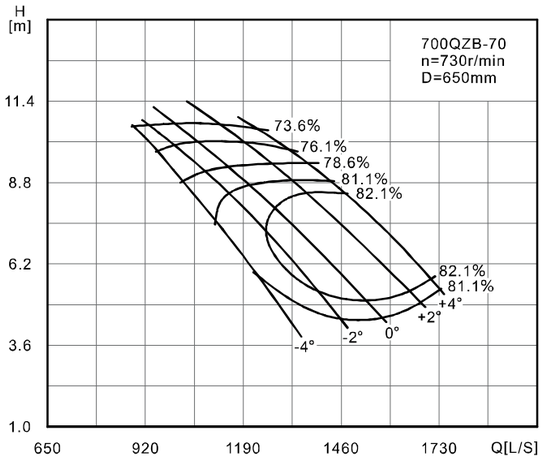
Dimension Drawing



700QZB-70	
Motor power (kW)	H(mm)
8-132	1900
8-155	2000
8-180	2150
700QZB-70J	
10-80	1700
10-110	1900

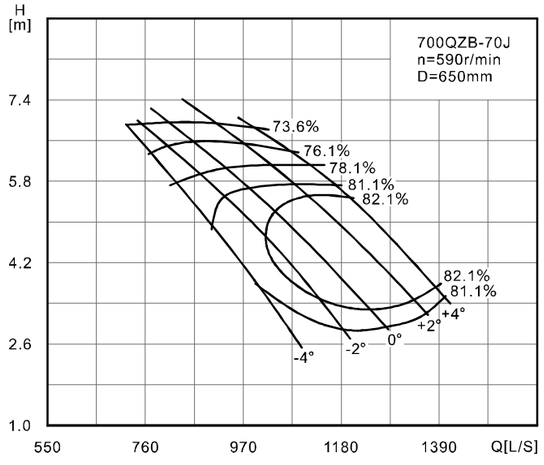
Applicable shaft size: 1.1-1.2m

Performance curve



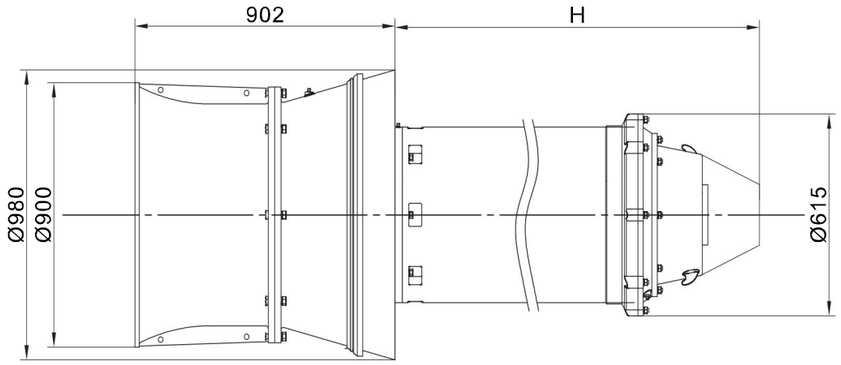
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	3686	1024	8.93		119.3	132	78.23	
	4147	1152	7.10		102.9		81.17	
	4694	1304	4.71		78.6		79.77	
-2°	3964	1101	9.05		128.4	155	79.09	
	4518	1255	7.27		113.7		81.89	
	5159	1433	4.86		87.15		81.50	
0°	4205	1168	9.15		138.2		78.97	
	4799	1333	7.41	730	123.0		81.89	650
	5530	1536	4.99		95.47		81.89	
+2°	4604	1279	9.34		154.7	180	78.84	
	5216	1449	7.63		107.5		81.89	
	5990	1664	5.16		170.1		81.46	
+4°	4907	1363	9.50		149.3		77.65	
	5530	1536	7.81		116.7		81.89	
	6217	1742	5.27		111.2		80.30	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	2988	830	5.80		62.71	80	78.33	
	3557	988	3.93		48.78		81.20	
	3942	1095	2.52		36.09		78.14	
-2°	3229	897	5.85		67.39		79.49	
	3906	1085	4.01		54.29		81.90	
	4327	1202	2.63		40.14		80.39	
0°	3438	955	5.90		72.18		79.59	
	4172	1159	4.09	590	59.07		81.90	650
	4655	1293	2.73		44.93		80.23	
+2°	3776	1049	5.98		80.29	110	79.68	
	4532	1259	4.19		65.73		81.90	
	5026	1396	2.85		51.58		78.85	
+4°	4013	1123	6.05		87.67		79.04	
	4784	1329	4.27		70.72		81.90	
	5238	1455	2.93		56.78		76.49	

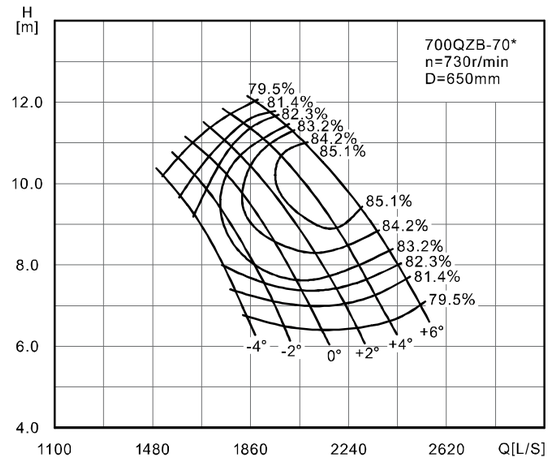
Dimension Drawing



700QZB-70*	
Motor power (kW)	H(mm)
8-250	2300
8-280	2440
700QZB-70*J	
10-132	1900
10-155	2000

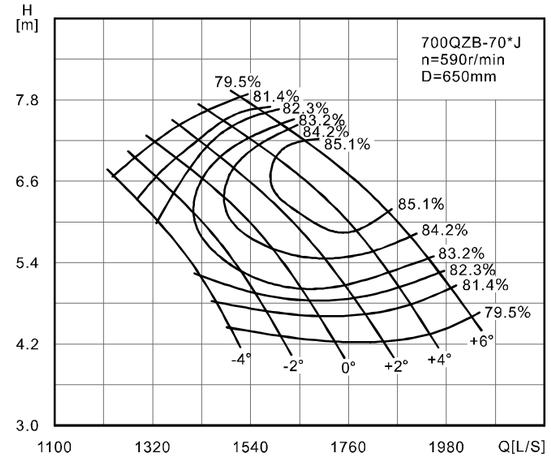
Applicable shaft size: 1.1-1.2m

Performance curve



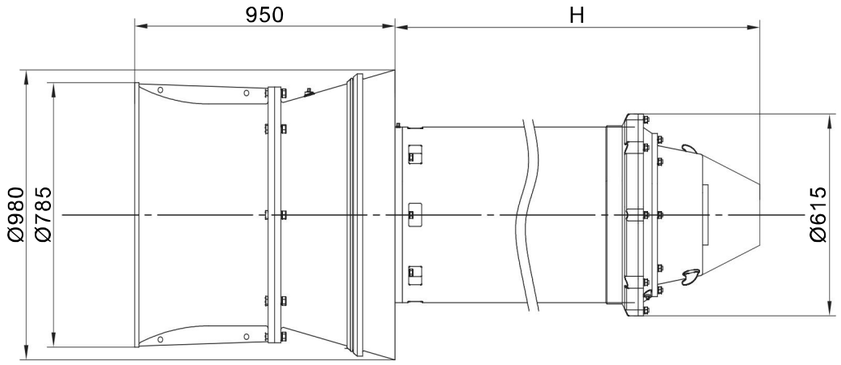
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	5375	1493	10.5	730	203.2	250	78.30	650
	6088	1691	8.86		184.8		82.70	
	6732	1870	6.48		157.8		78.29	
-2°	5720	1589	10.6		216.7		79.64	
	6430	1786	9.08		197.8		83.60	
	7128	1980	6.75		170.4		80.07	
0°	6048	1680	10.8		230.7	280	80.50	
	6790	1886	9.31		212.3		84.43	
	7538	2094	7.05		185.0		81.44	
+2°	6397	1777	11.1		245.3		81.68	
	7139	1983	9.56		227.3		85.10	
	7927	2202	7.35		201.3		82.04	
+4°	6786	1885	11.3		263.8		82.42	
	7553	2098	9.86		248.0		85.10	
	8341	2317	7.69		220.5		82.26	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	4136	1149	7.06	590	109.8	132	75.42	650
	4918	1366	5.78		97.34		82.68	
	5526	1535	3.94		81.12		76.10	
-2°	4439	1233	7.18		117.6		76.70	
	5209	1447	5.91		104.3		83.60	
	5879	1633	4.04		85.38		78.76	
0°	4705	1307	7.28		124.1		78.29	
	5504	1529	6.05		111.7		84.44	
	6250	1736	4.15		92.77		79.19	
+2°	5008	1391	7.42		132.4	155	79.50	
	5785	1607	6.19		119.3		85.10	
	6613	1837	4.26		100.4		79.56	
+4°	5314	1476	7.56		141.3		80.53	
	6127	1702	6.37		130.3		85.10	
	6980	1939	4.38		108.8		79.63	

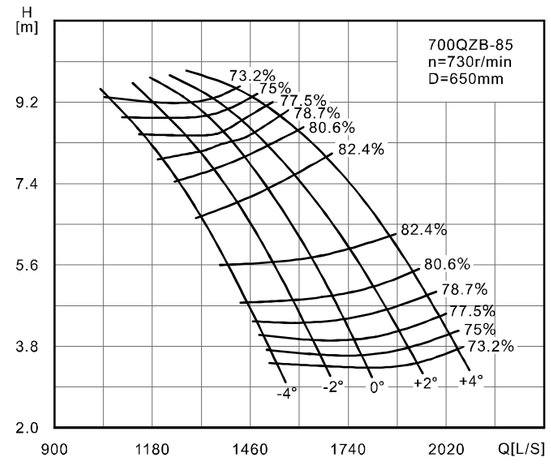
Dimension Drawing



700QZB-85	
Motor power (kW)	H(mm)
8-132	1900
8-155	2000
8-180	2150
700QZB-100	
8-110	1900
8-132	1900
8-155	2000
8-180	2150

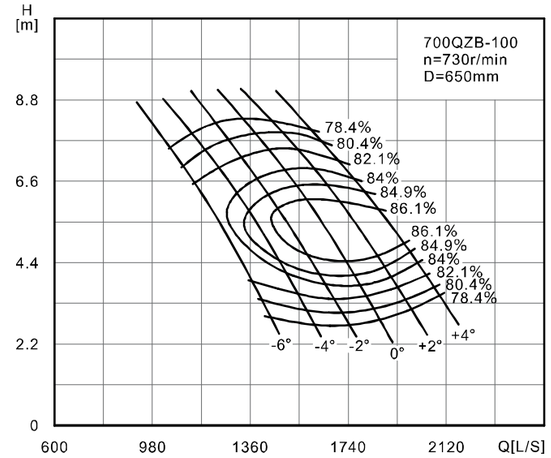
Applicable shaft size: 1.1-1.2m

Performance curve



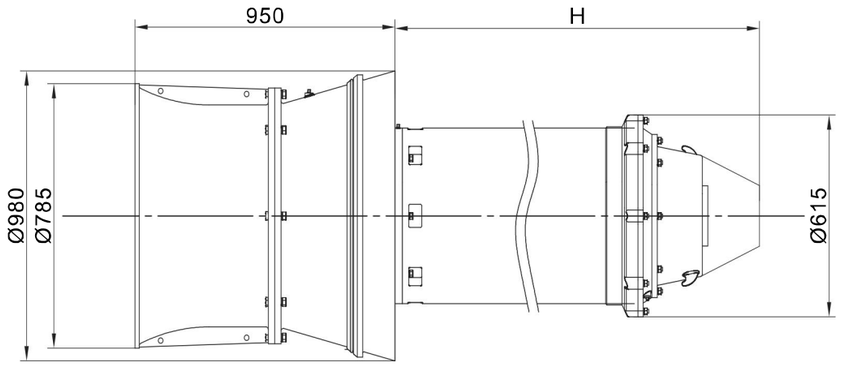
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	4514	1254	7.51	730	121.7	132	80.48	650
	4914	1365	6.12		105.3		82.4	
	5551	1542	3.36		74.3		72.99	
-2°	4900	1361	7.71		135.4	155	80.54	
	5324	1479	6.34		118.4		82.4	
	5987	1663	3.65		84.5		74.77	
0°	5260	1461	7.91		148.4		80.91	
	5688	1580	6.56		131.0		82.4	
	6343	1762	3.89		92.6		77.14	
+2°	5522	1534	8.02		158.8	180	81.04	
	6019	1672	6.78		143.0		82.4	
	6786	1885	4.21		106.3		77.59	
+4°	5904	1640	8.30		169.7		81.6	
	6419	1783	7.05		158.6		82.4	
	7189	1997	4.52		120.8		77.69	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	4144	1151	6.63	730	96.8	110	81.92	650
	4727	1313	4.75		77.1		84.16	
	5332	1481	2.53		51.9		75.03	
-4°	4547	1263	6.82		108.2	132	82.17	
	5159	1433	4.99		86.2		86.20	
	5792	1609	2.81		59.2		81.75	
-2°	4914	1365	7.0		119.4		83.28	
	5533	1537	5.2		96.5		86.2	
	6196	1721	3.07		68.2		81.06	
0°	5285	1468	7.21		132.2	155	83.18	
	5962	1646	5.44		108.1		86.2	
	6592	1831	3.34		78.5		80.59	
+2°	5623	1562	7.41		146.4		82.68	
	6304	1751	5.69		120.3		86.2	
	7006	1946	3.65		90.3		79.31	
+4°	5969	1658	7.62		163.6	180	80.32	
	6671	1853	5.59		133.2		85.98	
	7409	2058	3.96		103.3		81.96	

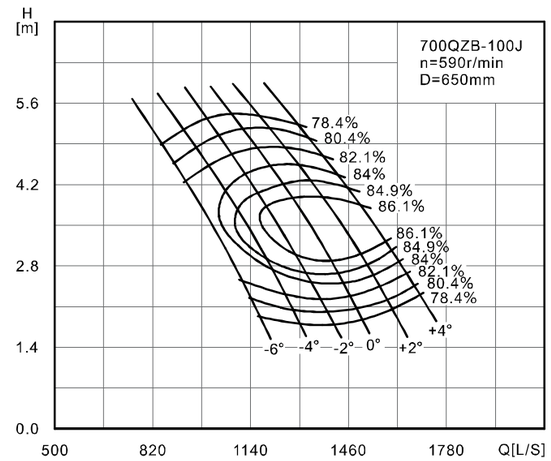
Dimension Drawing



Applicable shaft size: 1.1-1.2m

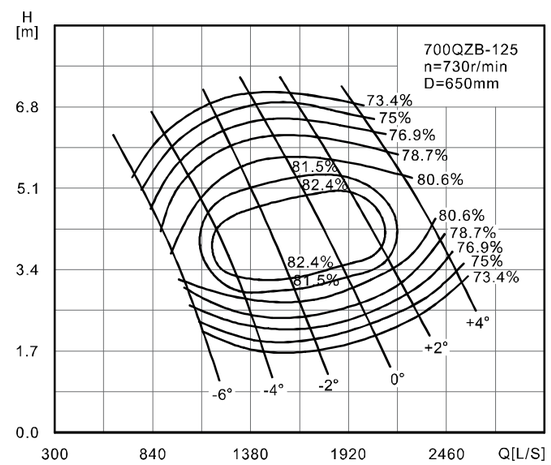
700QZB-100J	
Motor power (kW)	H(mm)
10-65	1600
10-80	1700
10-95	1700
700QZB-125	
8-65	1600
8-95	1700
8-110	1900
8-132	1900
8-180	2150
8-220	2220

Performance curve



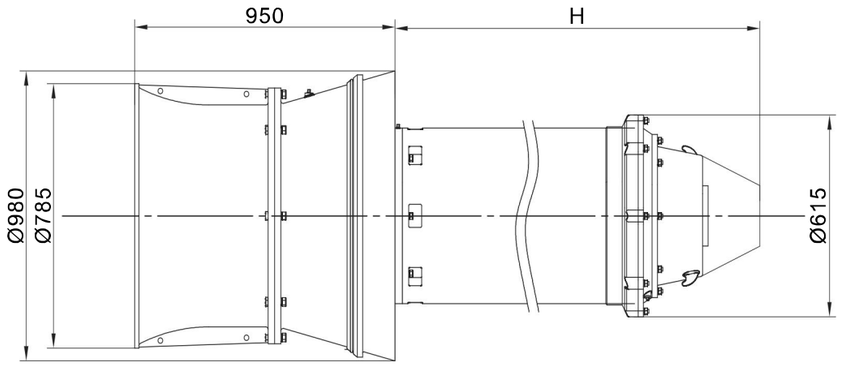
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	3308	919	4.40		51.62		81.36	
	3848	1069	3.01		39.86		83.89	
	4362	1184	1.80		29.04	65	76.27	
-4°	3647	1013	4.53		57.98		82.21	
	4208	1169	3.17		44.84		85.78	
	4651	1292	1.91		32.22		79.85	
-2°	3938	1094	4.65		63.92		82.69	
	4507	1252	3.31		50.03		86.10	
	5000	1389	2.03	590	36.36	80	80.54	650
0°	4234	1176	4.78		70.70		82.76	
	4824	1340	3.47		56.18		86.10	
	5339	1483	2.14		40.92		80.67	
+2°	4511	1253	4.91		78.23		81.85	
	5134	1426	3.64		62.65		86.10	
	5702	1584	2.27		46.32	95	80.77	
+4°	4784	1329	5.05		87.66		79.62	
	5429	1508	3.81		69.43		86.10	
	6066	1685	2.41		52.68		80.34	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	2981	828	4.95		56.8		76	
	3892	1081	2.63		38.6	65	77.43	
	4388	1219	1.08		17.2		80.21	
-4°	3881	1078	5.27		75.1		79.36	
	4802	1334	3.04		52.0	95	81.73	
	5306	1474	1.54		33.1		71.76	
-2°	4781	1328	5.67		98.6		80.21	
	5688	1580	3.51		70.8	110	82.4	
	6239	1733	2.08	730	49.8		76.23	650
0°	5573	1548	6.08		119.9		78.89	
	6570	1825	4.06		94.5	132	82.4	
	7171	1992	2.72		72.3		78.78	
+2°	6178	1716	6.45		150.8		77.09	
	7250	2014	4.54		116.6	180	82.4	
	7909	2197	3.29		95.3		79.67	
+4°	6991	1942	6.99		196.9		72.4	
	8122	2256	5.22		152.5	220	81.18	
	8773	2437	4.03		130.7		78.8	

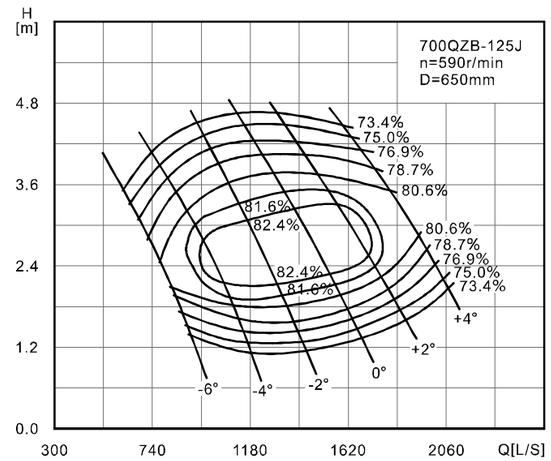
Dimension Drawing



Applicable shaft size: 1.1-1.2m

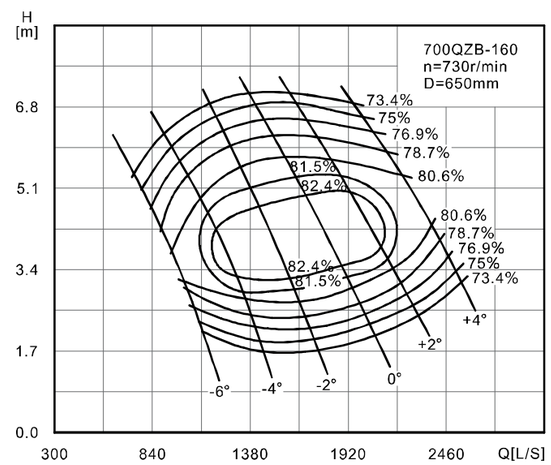
700QZB-125J	
Motor power (kW)	H(mm)
10-45	1400
10-65	1600
10-80	1700
10-110	1800
700QZB-160	
8-80	1700
8-95	1700
8-132	1900

Performance curve



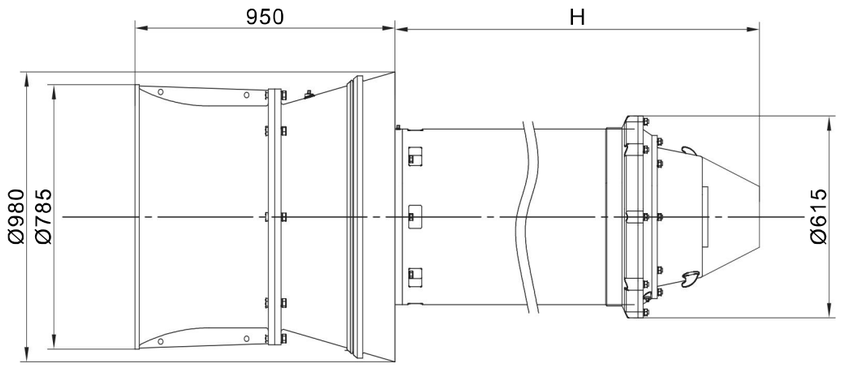
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	2146	596	3.67		31.67		72.42	
	3010	836	2.04		22.47		79.60	
	3388	941	1.13		15.41	45	72.56	
-4°	2909	808	3.81		42.48		76.19	
	3776	1049	2.23		29.85		82.40	
	4158	1155	1.34		21.51		75.69	
-2°	3697	1027	4.01		55.43		77.94	
	4518	1255	2.46		39.38	65	82.40	
	4928	1369	1.60	590	29.10		79.40	650
0°	4345	1207	4.20		68.91		77.29	
	5260	1461	2.73		50.83	80	82.40	
	5720	1589	1.92		39.91		80.20	
+2°	4871	1353	4.38		81.75		76.18	
	5857	1627	2.98		61.74		82.40	
	6361	1767	2.21		51.15	110	80.07	
+4°	5569	1547	4.65		105.6		71.50	
	6620	1839	3.33		78.97		81.45	
	7117	1977	2.59		68.37		78.52	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	5400	1500	3.60		70.8		80.21	
	5911	1642	2.60		55.5	80	80.70	
	6163	1712	2.06		47.5		77.80	
0°	6026	1674	3.97		88.4		78.96	
	6544	1818	3.00	730	71.0	95	80.70	650
	6778	1883	2.47		61.4		79.393	
+2°	6591	1831	4.34		109.8		75.94	
	7192	1998	3.47		90.1	132	80.70	
	7430	2064	2.94		79.5		80.14	

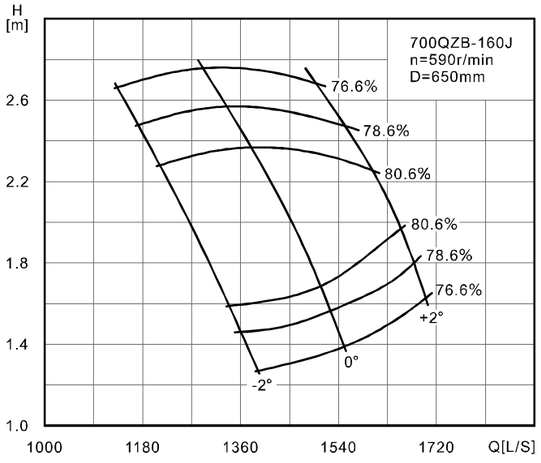
Dimension Drawing



700QZB-160J	
Motor power (kW)	H(mm)
10-45	1400
10-65	1600

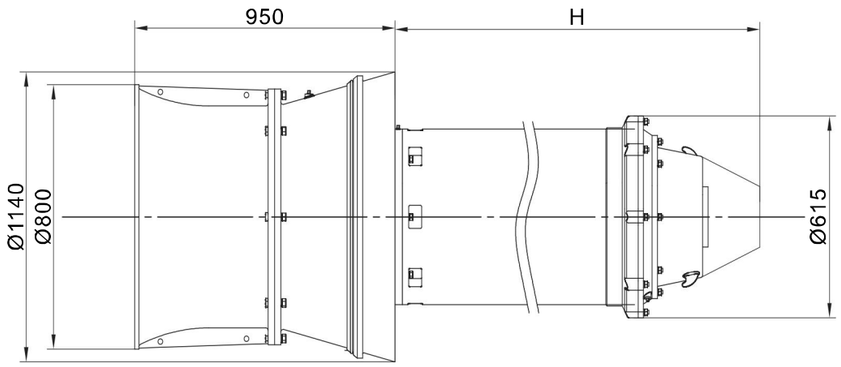
Applicable shaft size: 1.1-1.2m

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	4140 4716 4964	1150 1310 1379	2.67 1.81 1.37	590	41.94 30.82 25.36	45	76.80 80.60 78.22	650
0°	4698 5292 5522	1305 1470 1534	2.80 1.96 1.53		49.86 37.56 31.46	65	76.97 80.60 78.31	
+2°	5141 5890 6095	1428 1636 1693	2.92 2.15 1.71		58.74 45.69 39.06		74.45 80.60 78.22	

Dimension Drawing

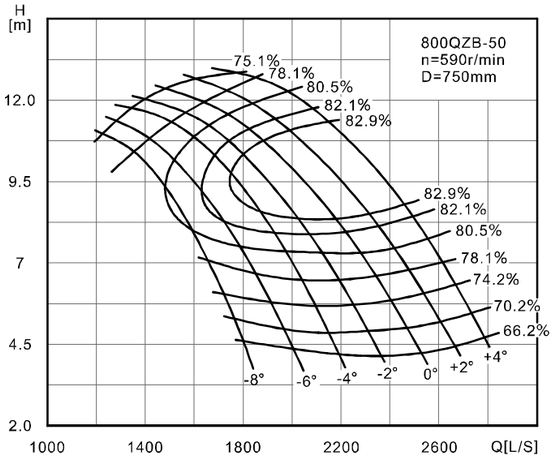


800QZB-50	
Motor power (kW)	H(mm)
10-250	2300
10-280	2440
10-310	2550
10-330	2550

800QZB-50J	
12-155	2000
12-180	2150
12-200	2250

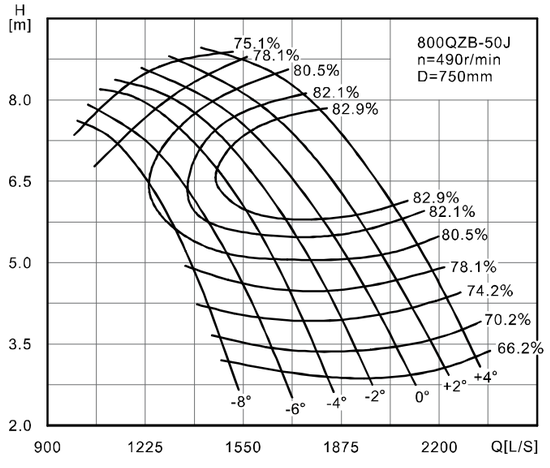
Applicable shaft size: 1.2-1.4m

Performance curve



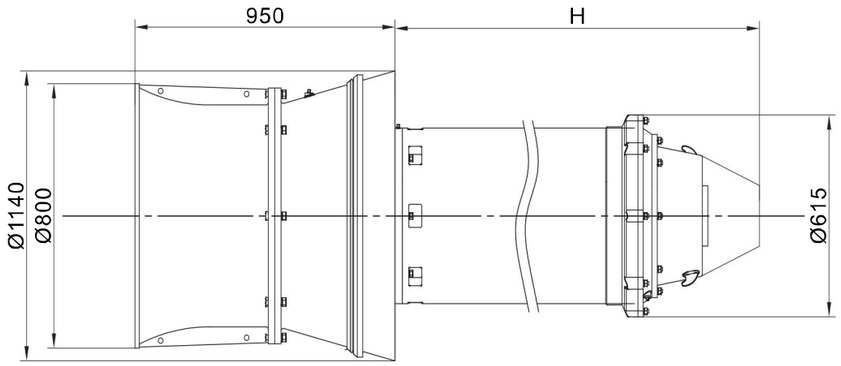
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	5656 6484 7686	1571 1801 2135	11.1 9.43 5.21	590	223.3 208.9 156.8	250	79.85 82.90 72.40	750
-2°	6080 6876 8212	1669 1910 2281	11.3 9.58 5.36		238.4 225.3 172.0	280	80.43 82.90 72.50	
0°	6430 7315 8766	1787 2032 2435	11.4 9.76 5.52		256.5 244.2 189.3	310	81.12 8.90 72.41	
+2°	6894 7769 9270	1915 2158 2575	11.6 9.96 5.68		278.1 264.6 206.7	330	81.46 82.90 72.15	
+4°	7499 8327 9763	2083 2313 2712	11.8 10.2 5.84		307.3 291.2 225.1		81.91 82.90 71.73	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	4565 5468 6419	1268 1519 1783	7.83 6.31 3.45	490	128.8 117.9 87.88	155	78.74 82.90 71.39	750
-2°	4864 5807 6865	1351 1613 1907	7.92 6.42 3.55		137.6 127.5 96.72		79.29 82.90 71.52	
0°	5065 6170 7326	1407 1714 2035	8.02 6.55 3.67		147.7 138.2 106.8		80.16 82.90 71.37	
+2°	5598 6541 7740	1555 1817 2150	8.15 6.70 3.79		160.5 149.8 116.5	180	80.57 82.90 71.30	
+4°	5378 7002 8147	1494 1945 2263	8.33 6.89 3.90		177.0 164.8 127.3	200	81.32 82.90 70.79	

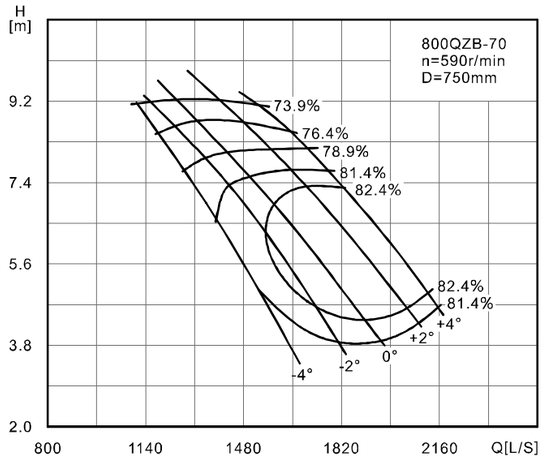
Dimension Drawing



800QZB-70	
Motor power (kW)	H(mm)
10-155	2000
10-180	2150

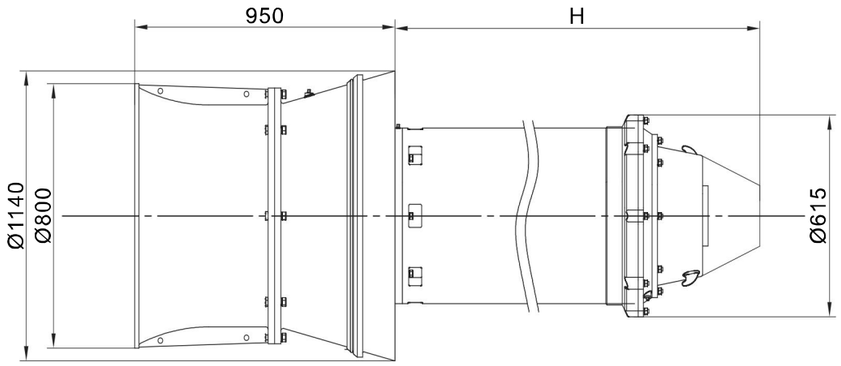
Applicable shaft size: 1.2-1.4m

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	4637	1288	7.61	590	126.6	155	79.10	750
	5432	1509	5.34		100.8		81.65	
	5983	1662	3.6		77.06		79.09	
-2°	4997	1388	7.71		136.2		80.20	
	5936	1649	5.51		112.6		82.30	
	6577	1827	3.72		85.49		81.14	
0°	5305	1473	7.80		146.3		80.17	
	6318	1755	5.64		122.7		82.30	
	7074	1965	3.83		94.74		81.14	
+2°	5800	1611	7.96		163.5	180	80.08	
	6844	190	5.84		137.7		82.30	
	7646	2124	3.97		107.5		80.07	
+4°	6192	1720	8.10		179.3		79.22	
	7222	2006	5.99		149.0		82.30	
	7981	2217	4.06		117.8		77.90	

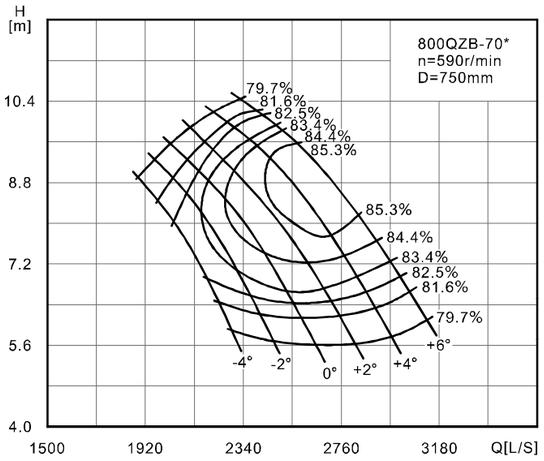
Dimension Drawing



800QZB-70*	
Motor power (kW)	H(mm)
10-250	2300
10-280	2440
10-315	2550
800QZB-70*J	
12-155	2300
12-180	2450

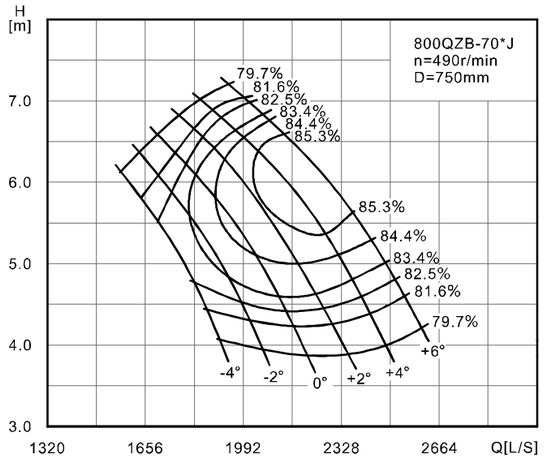
Applicable shaft size: 1.2-1.4m

Performance curve



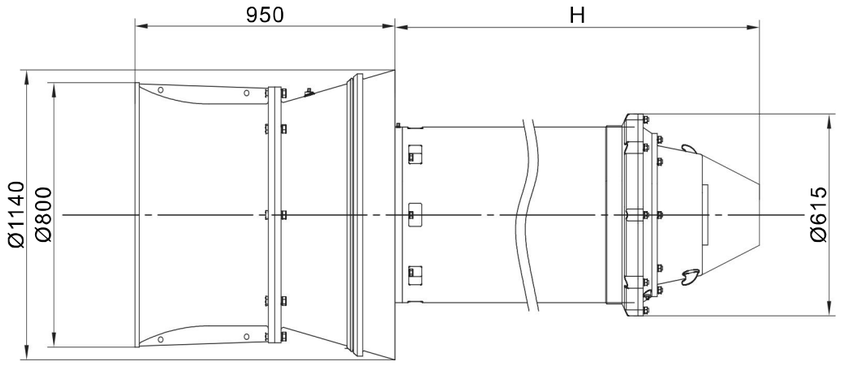
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	6530	1814	9.24	590	221.4	250	77.26	750
	7452	2070	7.91		202.0		82.72	
	8284	2301	5.88		173.0		79.76	
-2°	7045	1957	9.33		235.1		79.24	
	7927	2202	8.00		214.8		83.71	
	8806	2446	5.99		185.4		80.63	
0°	7510	2086	9.42		248.4	280	80.75	
	8428	2341	8.11		228.7		84.63	
	9367	2602	6.12		199.3		81.53	
+2°	8010	2225	9.52		262.4		82.37	
	8910	2475	8.21		243.2		85.30	
	9907	2752	6.25		214.7		81.78	
+4°	8582	2384	9.64		280.5	315	83.63	
	9497	2683	8.35		263.4		85.30	
	10476	2910	6.40		232.4		81.78	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	5598	1555	6.23	490	125.2	155	78.95	750
	6210	1725	5.42		115.2		82.77	
	7006	1946	3.73		95.78		77.30	
-2°	5951	1653	6.34		133.1		80.28	
	6566	1824	5.54		123.2		83.69	
	7448	2069	3.82		101.7		79.40	
0°	6293	1748	6.45		141.8		81.17	
	6944	1929	5.68		132.1		84.60	
	7920	2200	3.93		110.3		79.99	
+2°	6649	1847	6.57		150.4	180	82.34	
	7279	2027	5.81		140.9		85.30	
	8370	2325	4.04		119.2		80.45	
+4°	7052	1959	6.72		161.8		82.96	
	7722	2145	5.98		153.5		85.30	
	9934	2454	4.16		129.3		80.58	
+6°	7438	2066	6.87		173.5		93.48	
	8114	2254	6.15		165.8		85.30	
	9320	2589	4.29		141.4		80.13	

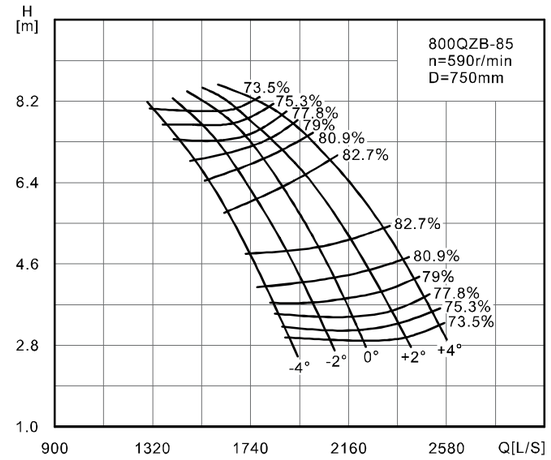
Dimension Drawing



800QZB-85	
Motor power (kW)	H(mm)
10-155	2000
10-180	2150
10-200	2250
10-220	2250
800QZB-85J	
12-90	1700
12-110	1800
12-132	2000

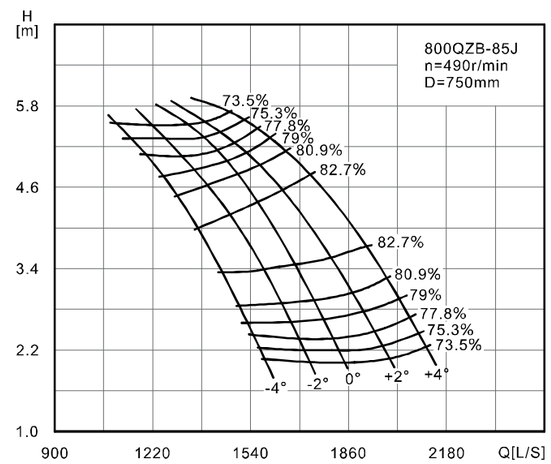
Applicable shaft size: 1.2-1.4m

Performance curve



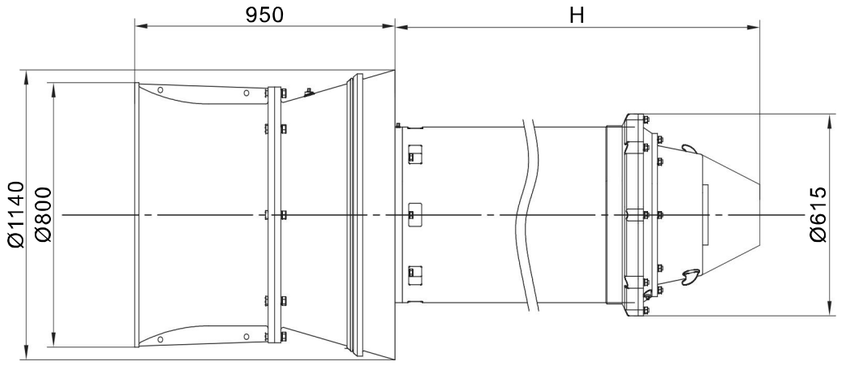
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	5270	1464	7.22		140.7	155	78.12	
	6088	1691	5.35		113.8		82.70	
	6674	1854	3.67		89.89		78.66	
-2°	5782	1606	7.30		156.0	180	78.10	
	6638	1844	5.46		126.6		82.70	
	7240	2011	3.78		100.2		79.04	
0°	6235	1732	7.38	590	171.3		77.61	750
	7117	1977	5.56		138.2		82.70	
	7715	2143	3.89		109.5		79.22	
+2°	6588	1830	7.45		180.0	200	78.79	
	7596	2110	5.66		150.3		82.70	
	8284	2301	4.03		122.0		79.02	
+4°	7078	1966	7.55		192.4	220	80.26	
	8136	2260	5.79		164.5		82.70	
	8838	2455	4.17		134.8		78.92	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	4332	1205	5.04		80.98	90	77.95	
	5072	1409	3.66		64.87		82.70	
	5537	1538	2.55		51.62		78.92	
-2°	4756	1321	5.10		90.42	110	77.58	
	5522	1534	3.75		72.30		82.70	
	5998	1666	2.64		57.88		79.15	
0°	5119	1422	5.17	490	99.53		76.81	750
	5915	1643	3.83		79.08		82.70	
	6390	1775	2.73		63.39		79.47	
+2°	5400	1500	5.22		104.3		78.11	
	6307	1752	3.91		86.18		82.70	
	6854	1904	2.84		70.91		79.31	
+4°	5792	1609	5.30		111.7	132	79.37	
	6746	1874	4.01		94.55		82.70	
	7304	2029	2.95		78.86		79.00	

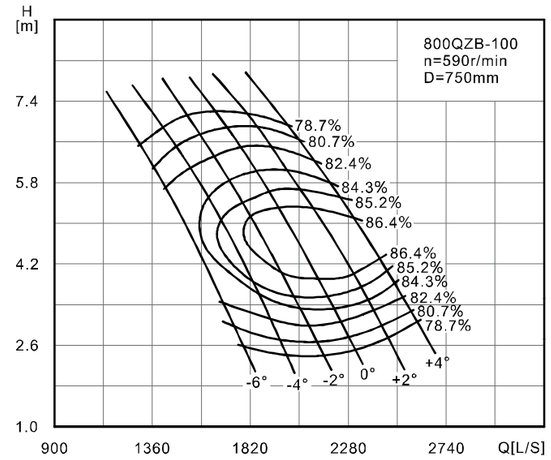
Dimension Drawing



800QZB-100	
Motor power (kW)	H(mm)
10-132	1900
10-150	2000
10-180	2150
800QZB-100J	
12-80	1650
12-90	1700
12-110	1800

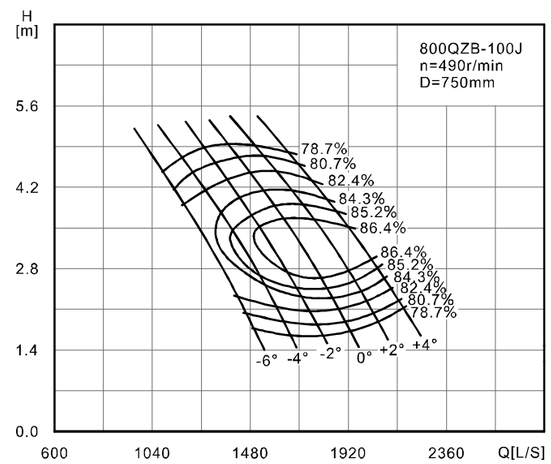
Applicable shaft size: 1.2-1.4m

Performance curve



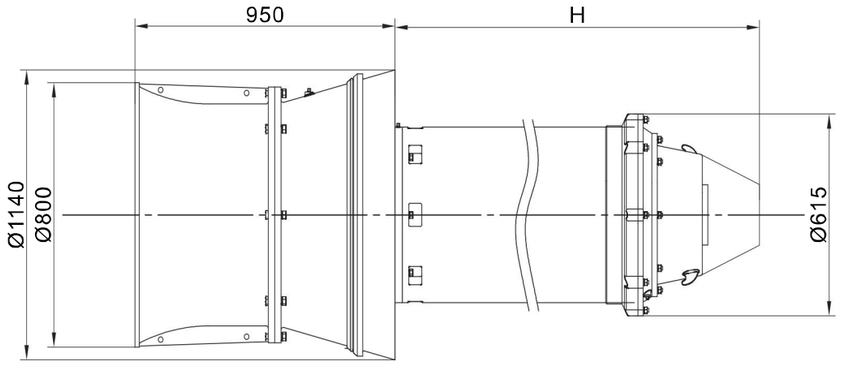
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	4936	1371	6.15		109.0	132	80.45	
	5836	1621	4.19		83.53		84.51	
	5213	1448	2.79		64.66		79.70	
-4°	5494	1526	6.23		120.6		82.01	
	6430	1786	4.29		92.54		86.17	
	7009	1947	2.90		71.66		82.00	
-2°	5983	1662	6.31		132.3	155	82.49	
	6937	1927	4.39		101.8		86.40	
	7553	2098	3.02	590	79.82		82.40	750
0°	6484	1801	6.40		144.7		82.86	
	7466	2074	4.50		112.3		86.40	
	8078	2244	3.13		88.40		82.78	
+2°	6959	1933	6.49		158.6	180	82.26	
	8003	2223	4.62		123.5		86.40	
	8647	2402	3.27		99.32		82.25	
+4°	7441	2067	6.59		175.2		80.75	
	8528	2369	4.74		135.2		86.40	
	9220	2561	3.42		110.9		82.08	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	4079	1133	4.28		62.86	80	80.23	
	4889	1358	2.80		46.96		84.31	
	5335	1482	1.88		36.46		79.34	
-4°	4529	1258	4.35		69.54	90	81.79	
	5378	1494	2.89		52.15		86.06	
	5832	1620	1.97		40.60		81.85	
-2°	4928	1369	4.41		76.43	90	82.15	
	5792	1609	2.97		57.45		86.40	
	6278	1744	2.07	490	45.47		82.32	750
0°	5339	1483	4.48		83.85		82.36	
	6228	1730	3.05		63.60		86.40	
	6710	1864	2.16		50.56		82.74	
+2°	5720	1589	4.55		91.80	110	81.98	
	6664	1851	3.15		70.17		86.40	
	7175	1993	2.27		57.13		82.34	
+4°	6113	1698	4.63		102.2		80.01	
	7096	1971	3.25		77.06		86.40	
	7636	2121	2.39		63.92		82.26	

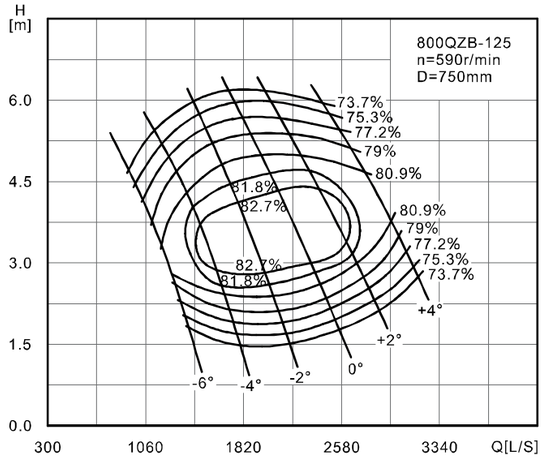
Dimension Drawing



Applicable shaft size: 1.2-1.4m

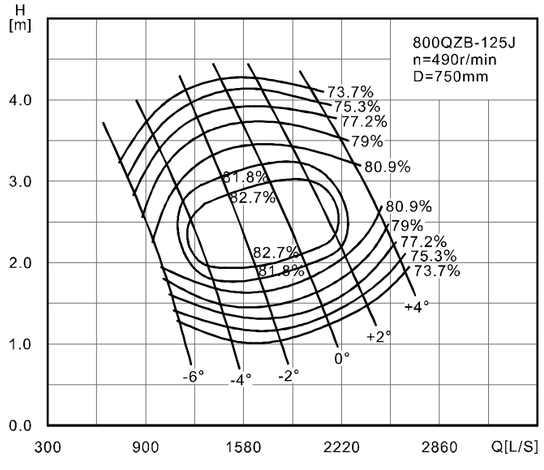
800QZB-125	
Motor power (kW)	H(mm)
10-80	1700
10-90	1700
10-132	1900
10-155	2000
10-180	2150
10-200	2250
800QZB-125J	
12-55	1500
12-65	1500
12-90	1700
12-110	1800
12-132	2000

Performance curve



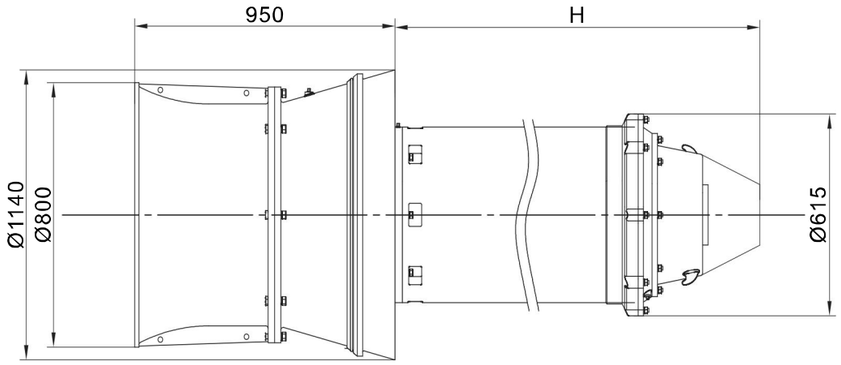
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	3449	958	4.68	590	63.56	80	74.04	750
	4421	1228	3.10		48.69		81.99	
	5119	1422	1.70		34.56		73.24	
-4°	4655	1293	4.83		83.78	90	78.24	
	5634	1565	3.28		65.16		82.7	
	6332	1759	1.91		45.90		76.75	
-2°	5882	1634	5.02		107.6	132	80.09	
	6811	1892	3.50		84.10		82.7	
	7556	2099	2.17		59.71		79.91	
0°	6948	1930	5.23		133.3	155	79.47	
	7985	2218	3.77		106.0		82.70	
	8827	2452	2.48		79.82		80.02	
+2°	7834	2176	5.43		157.6	180	78.73	
	8968	2491	4.02		127.0		82.70	
	9889	2747	2.78		101.3		79.23	
+4°	9025	2507	5.73		187.4	200	75.20	
	10217	2838	4.38		159.5		81.82	
	11131	3092	3.18		133.8		77.11	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	2920	811	3.16	490	36.06	55	74.62	750
	3719	1033	2.06		27.29		81.89	
	4414	1226	0.86		15.30		72.67	
-4°	3910	1086	3.29		47.62		78.71	
	4712	1309	2.22		36.81		82.70	
	5407	1502	1.05		22.36		73.92	
-2°	4896	1360	3.45		61.42	65	80.18	
	5666	1574	2.40		47.94		82.70	
	6419	1783	1.27		30.92		76.99	
0°	5760	1600	3. 62		76.61	90	79.39	
	6620	1839	2. 62		61.20		82.70	
	7466	2074	1. 54		43.44		77.25	
+2°	6469	1797	3.78		91.06	110	78.39	
	7398	2055	2.82		73.62		82.70	
	8320	2311	1.79		56.07		77.59	
+4°	7412	2059	4.03		116.84	132	74.48	
	8392	2331	3.12		93.52		81.55	
	9306	2585	2.12		75.01		76.72	

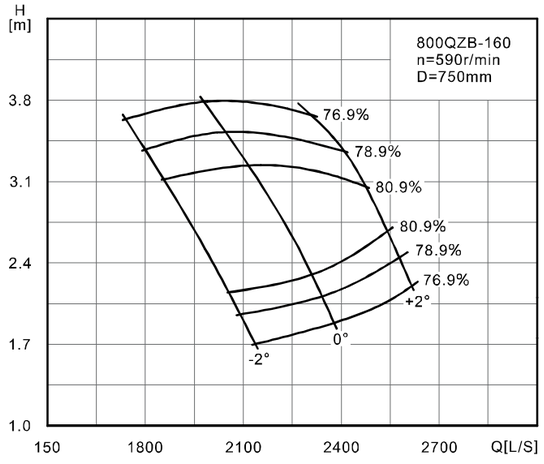
Dimension Drawing



Applicable shaft size: 1.2-1.4m

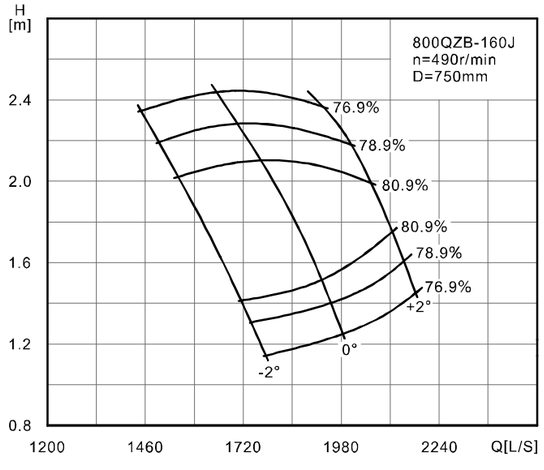
800QZB-160	
Motor power (kW)	H(mm)
10-90	1700
10-110	1800
10-132	1900
800QZB-160J	
12-55	1500
12-65	1500
12-80	1650

Performance curve



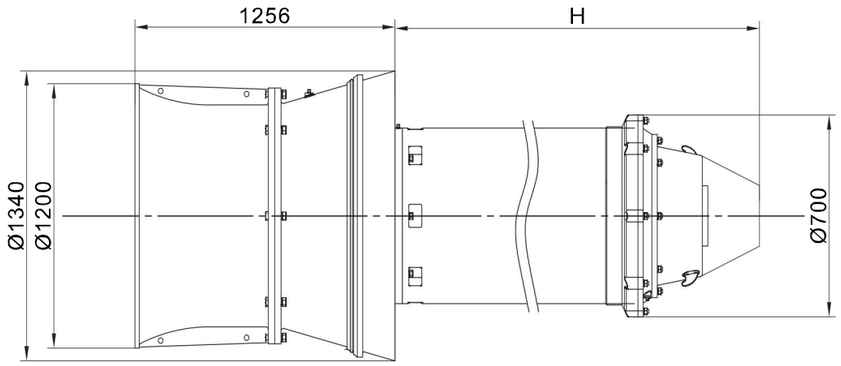
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	6656	1849	3.19	590	77.36	90	79.99	750
	7186	1996	2.48		64.31		80.90	
	7661	2128	1.78		50.93		78.03	
0°	7567	2102	3.36		92.77	110	79.92	
	8093	2248	2.67		77.79		80.90	
	8528	2369	1.96		62.60		77.97	
+2°	8485	2357	3.55		113.0	132	77.83	
	9036	2510	2.88		93.84		80.90	
	9428	2619	2.18		76.93		77.91	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	5458	1516	2.27	490	45.69	55	79.17	750
	5933	1648	1.76		37.56		80.90	
	6217	1727	1.41		31.87		80.34	
0°	6192	1720	2.41		55.00	65	79.02	
	6671	1853	1.90		45.80		80.90	
	6937	1927	1.56		38.09		80.89	
+2°	6897	1916	2.55		66.88	80	76.75	
	7434	2065	2.07		55.53		80.90	
	7686	2135	1.73		48.69		79.90	

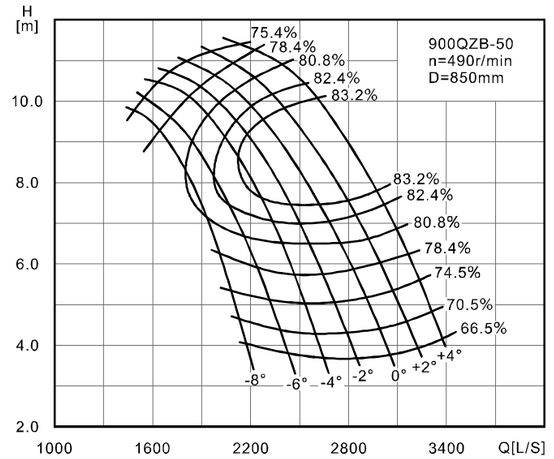
Dimension Drawing



Applicable shaft size: 1.4-1.5m

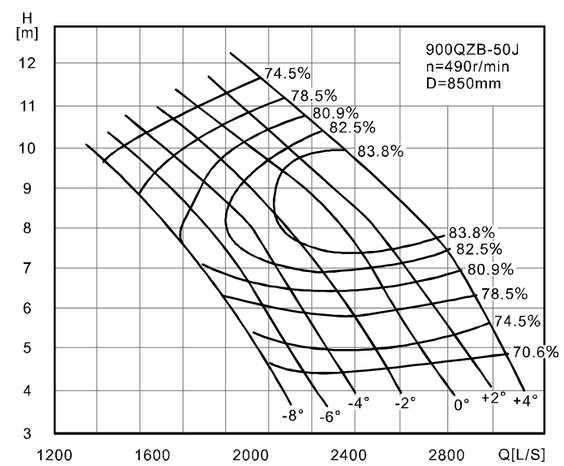
Motor power	H(mm)
900QZB-50	
12-250	2450
12-280	2650
12-310	2850
12-330	2850
12-350	2850
900QZB-50J	
12-185	2150
12-220	2350
12-250	2450
12-280	2650
12-315	2850

Performance curve



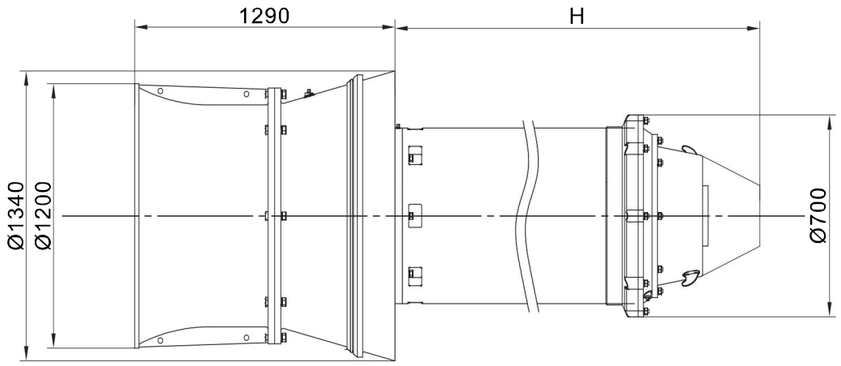
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	6664	1851	10.0	490	239.6	250	79.13	850
	7895	2193	8.24		221.5		83.20	
	9166	2546	5.01		174.8		74.42	
-2°	7099	1972	10.1		255.9	280	79.71	
	8381	2328	8.37		238.9		83.20	
	9770	2714	5.19		191.9		74.88	
0°	7621	2117	10.3		274.8	310	80.71	
	8921	2478	8.52		259.0		83.20	
	10404	2890	5.39		209.8		75.71	
+2°	8179	2277	10.4		198.4	330	81.10	
	9472	2631	8.69		280.5		83.20	
	10984	3051	5.58		230.7		75.29	
+4°	8942	2484	10.6		329.4	350	81.81	
	10152	2820	8.92		308.3		83.20	
	11574	3215	5.79		252.6		75.22	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-8°	5161	1434	9.65	490	181.9	185	74.6	850
	6472	1798	7.82		170.6		81.0	
	7596	2110	4.58		134.3		70.6	
-6°	5659	1572	9.77		200.9	220	75.0	
	7139	1983	7.82		183.7		82.8	
	8578	2383	3.83		134.4		66.6	
-4°	5638	1566	10.31		212.3		74.6	
	7761	2156	8.06		202.9		84.00	
	9187	2552	4.37		155.0		70.6	
-2°	6558	1822	10.24		233.1	250	78.5	
	7995	2221	8.3		215.3		84.0	
	10038	2788	3.91		159.6		67.0	
0°	7470	2075	9.89		248.8		80.9	
	8882	2467	8.34		239.7		84.2	
	10570	2936	4.42		180.3		70.6	
+2°	7402	2056	10.85		278.8	280	78.5	
	9350	2597	8.55		259.3		84.0	
	11357	3155	4.02		186.8		66.6	
+4°	7859	2183	11.2		305.5	315	78.5	
	9830	2731	8.8		280.3		84.0	
	11774	3271	4.9		221.8		70.6	

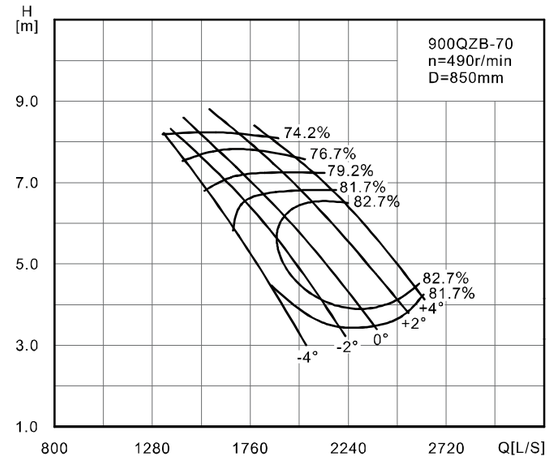
Dimension Drawing



Applicable shaft size: 1.4-1.5m

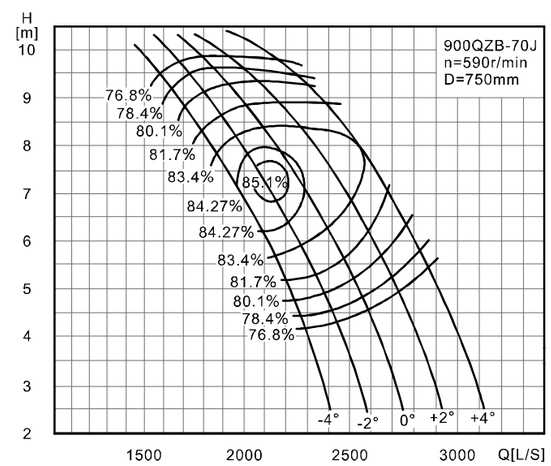
Motor power	H(mm)
900QZB-70	
12-155	2000
12-180	2150
12-200	2250
12-220	2350
900QZB-70J	
10-220	2250
10-250	2300
10-280	2440
10-315	2550

Performance curve



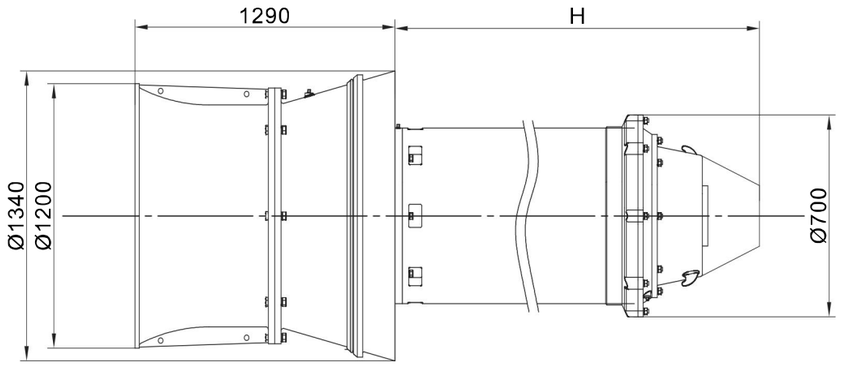
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	5339	1483	7.00	490	135.9	155	77.96	850
	6372	1770	4.92		106.4		81.94	
	6988	1941	3.52		86.8		80.30	
-2°	5720	1589	7.08		146.0	180	78.55	
	6955	1932	5.05		120.7		82.50	
	7679	2133	3.63		96.30		82.05	
0°	6077	1688	7.15		157.0		78.43	
	7389	2055	5.16		131.3		82.50	
	8240	2289	3.73		105.7		82.39	
+2°	6664	1851	7.28		170.8	200	78.17	
	8028	2230	5.34		147.2		82.50	
	8924	2479	3.85		119.0		81.88	
+4°	7103	1973	7.39		194.3	220	76.59	
	8478	2355	5.47		159.2		82.50	
	9346	2596	3.93		129.3		80.56	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	6814.7	1893	8.38	590	190.4	220	81.7	750
	7768.2	2157.8	6.56		163.9		84.7	
	8322.1	2311.7	5.2		144.4		81.7	
-2°	7044.7	1956.9	8.69		204.1		81.7	
	8109.2	2252.6	7.02		181.7		85.3	
	8814.4	2448.4	5.38		158.1		81.7	
0°	7579.3	2105.4	8.91		225.1	250	81.7	
	8489.1	2358.1	7.28		199.3		84.6	
	9250.2	2569.5	5.72		176.4		81.7	
+2°	8154.7	2265.2	8.99		244.4	280	81.7	
	9084.2	2523.4	7.44		219.1		84.1	
	9772.5	2714.6	6.37		207.6		81.7	
+4°	9008.2	2502.3	8.98		269.7	315	81.7	
	9505.4	2640.4	7.89		244.8		83.4	
	10013	2781.4	7.09		236.6		81.7	

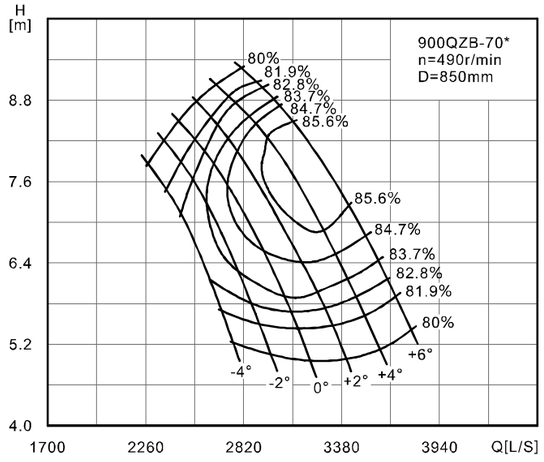
Dimension Drawing



Applicable shaft size: 1.4-1.5m

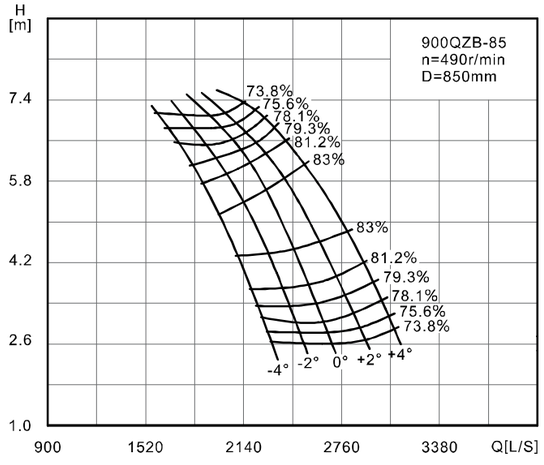
900QZB-70*	
Motor power (kW)	H(mm)
12-250	2450
12-280	2650
12-310	2850
12-330	2850
900QZB-85	
12-155	2000
12-180	2150
12-200	2250
12-220	2350

Performance curve



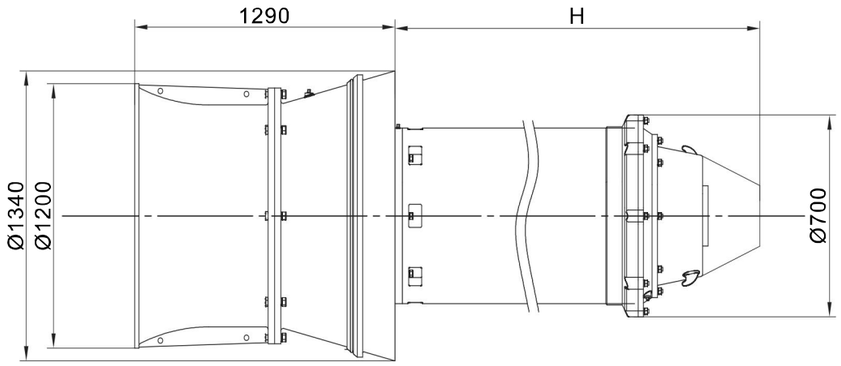
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	8194	2276	7.72	490	223.9	250	80.02	850
	8914	2476	6.86		208.7		83.01	
	9947	2763	5.02		177.7		79.64	
-2°	8726	2424	7.84		238.0		81.45	
	9486	2653	6.95		222.3		84.01	
	10573	2937	5.13		190.4		90.69	
0°	9241	2567	7.96		253.2	280	82.35	
	10080	2800	7.04		236.9		84.93	
	11243	3123	5.25		204.9		81.59	
+2°	9277	2577	8.52		277.6	310	80.64	
	10746	2985	7.14		251.8		85.60	
	11887	3302	5.37		221.0		81.90	
+4°	9853	2737	8.68		297.0		81.66	
	11351	3153	7.27		273.2		85.60	
	12568	3491	5.51		239.6		81.92	
+6°	10418	2894	8.86		318.2	330	82.22	
	11995	3332	7.39		293.6		85.60	
	13266	3685	5.66		261.6		81.36	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	6224	1729	6.37	490	146.5	155	78.18	850
	7254	2015	4.71		118.8		83.00	
	8215	2282	2.65		84.69		74.24	
-2°	6826	1896	6.45		163.9	180	77.62	
	7906	2196	4.80		132.2		83.00	
	8892	2470	2.76		94.34		75.20	
0°	7358	2044	6.52		180.2	200	76.91	
	8178	2355	4.89		144.4		83.00	
	9457	2627	2.86		101.6		76.94	
+2°	7765	2157	6.58		188.5		78.33	
	9043	2512	4.99		157.0		83.00	
	10170	2825	3.00		114.9		76.62	
+4°	8348	2319	6.67		201.9	220	79.70	
	9688	2691	5.10		172.0		83.00	
	10829	3008	3.13		129.1		75.87	

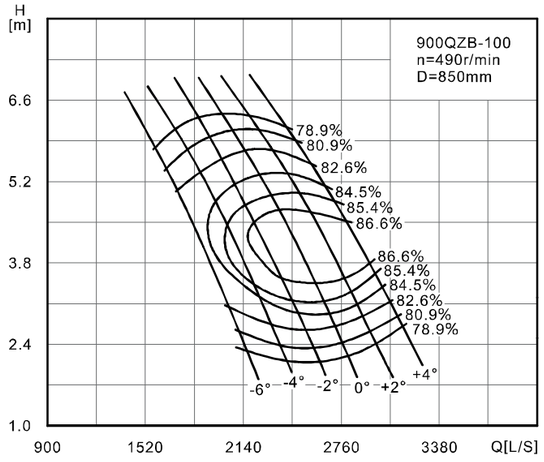
Dimension Drawing



Applicable shaft size: 1.4-1.5m

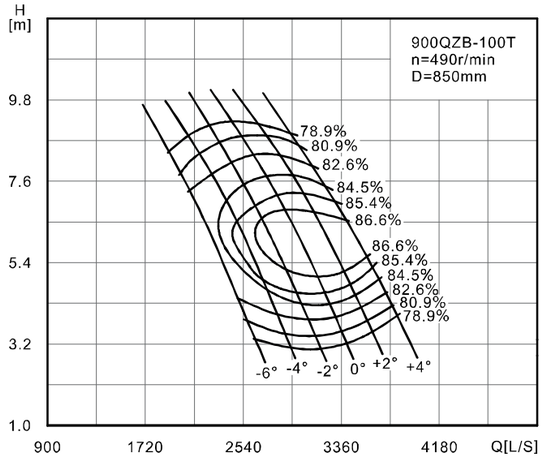
900QZB-100	
Motor power (kW)	H(mm)
12-132	2000
12-155	2000
12-180	2150
12-200	2250
900QZB-100T	
10-220	2250
10-250	2300
10-280	2440
10-310	2550
10-330	2700

Performance curve



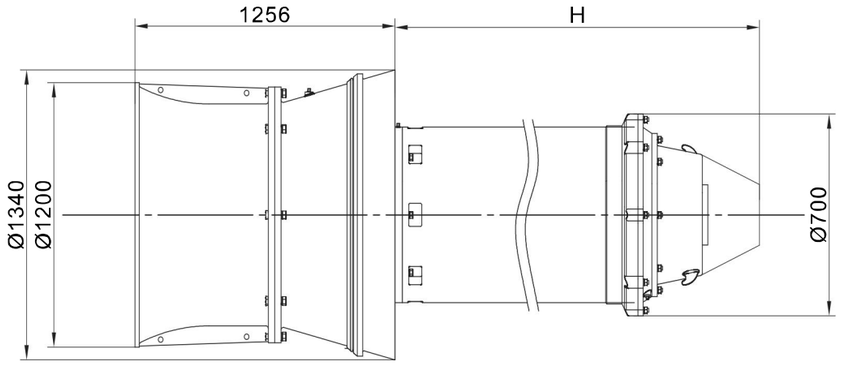
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	6084	1680	5.13	490	109.9	132	81.61	850
	7085	1968	3.46		83.95		84.37	
	7798	2166	2.16		62.65		77.49	
-4°	6725	1868	5.21		122.2		82.86	
	7801	2167	3.56		93.17		86.07	
	8525	2368	2.27		69.01		80.79	
-2°	7301	2028	5.29		133.5	155	83.56	
	8406	2335	3.65		102.2		86.60	
	9184	2551	2.37		77.49		81.14	
0°	7902	2195	5.37		146.0		83.97	
	9036	2510	3.75		112.9		86.60	
	9806	2724	2.48		86.50		81.22	
+2°	8471	2353	5.46		160.1	180	83.42	
	9677	2688	3.86		124.4		86.60	
	10494	2915	2.61		97.41		81.17	
+4°	9054	2515	5.55		174.1	200	81.82	
	10310	2864	3.97		134.1		86.60	
	11182	3106	2.74		108.3		80.34	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	7229	2008	7.83	590	202.0	220	80.91	850
	8402	2334	5.58		159.5		84.81	
	9389	2608	3.42		117.5		79.01	
-4°	8050	2236	7.93		223.8	250	82.39	
	9270	2575	5.70		176.6		86.50	
	10271	2854	3.56		129.5		81.67	
-2°	8759	2433	8.03		244.9	280	82.94	
	10004	2779	5.82		194.1		86.60	
	11077	3077	3.70		144.5		82.01	
0°	9493	2637	8.14		267.7	310	83.38	
	10775	2993	5.95		213.9		86.60	
	11848	3291	3.85		160.4		82.11	
+2°	10195	2832	8.25		294.2		82.60	
	11556	3210	6.09		234.9		86.60	
	12686	3524	4.02		179.8		81.85	
+4°	10897	3027	8.37		318.1	330	81.27	
	12316	3421	6.24		251.6		86.60	
	13525	3757	4.20		197.7		81.33	

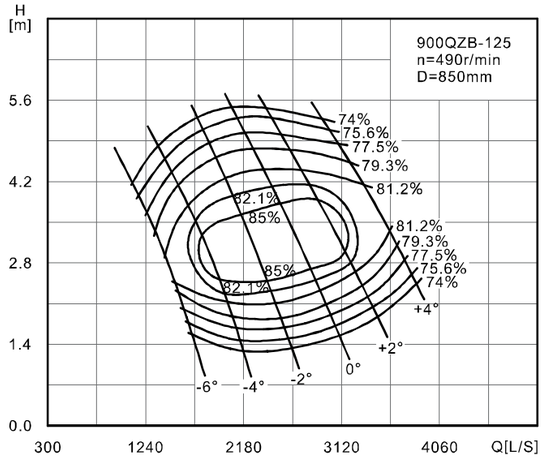
Dimension Drawing



Applicable shaft size: 1.4-1.5m

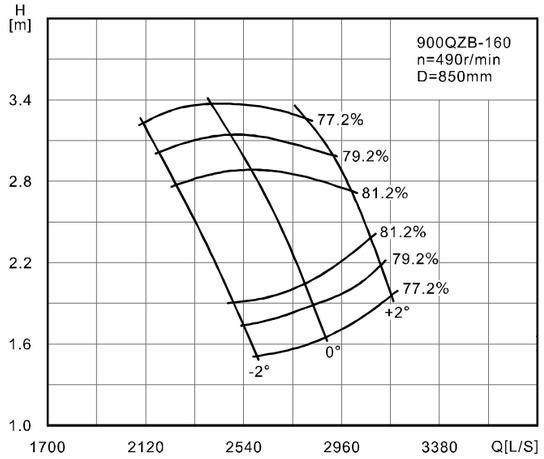
900QZB-125	
Motor power (kW)	H(mm)
12-80	1650
12-90	1700
12-132	2000
12-155	2000
12-180	2150
12-220	2350
900QZB-160	
12-90	1700
12-110	1800
12-132	2000

Performance curve



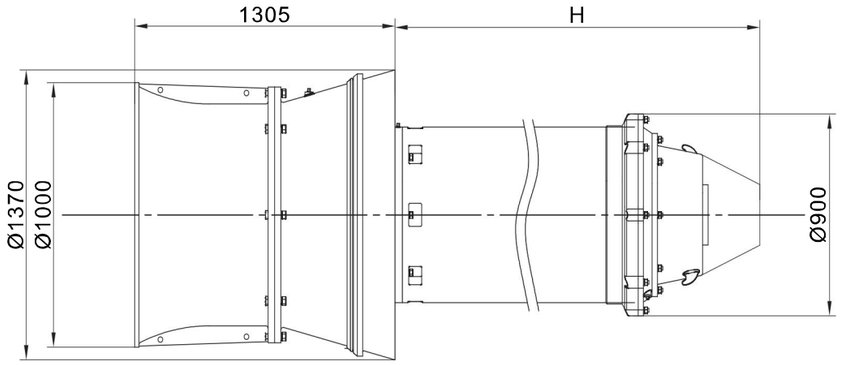
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	4302 5436 6300	1195 1510 1750	3.88 2.49 1.19		64.41 48.26 29.75	80	75.63 81.70 73.39	
-4°	5735 6876 7747	1593 1910 2152	4.02 2.66 1.39		84.32 64.31 41.84	90	79.76 83.00 74.91	
-2°	7178 8284 9220	1994 2301 2561	4.21 2.87 1.63	490	108.4 83.67 56.60	132	81.21 83.00 77.65	850
0°	8456 9695 10757	2349 2693 2988	4.40 3.12 1.94		134.6 106.4 78.22	155	80.61 83.00 77.62	
+2°	9522 10868 12028	2645 3019 3341	4.59 3.36 2.22		159.6 128.3 100.5	180	79.85 83.00 77.47	
+4°	10937 12348 13489	3038 3430 3747	4.87 3.70 2.59		190.3 162.0 133.2	220	76.26 82.18 76.38	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	7880 8482 9097	2191 2356 2527	2.84 2.28 1.62		82.07 69.44 54.36	90	79.63 81.20 79.18	
0°	8953 9562 10130	2487 2656 2814	3.00 2.45 1.80	490	98.55 84.10 66.98	110	79.52 81.20 79.23	850
+2°	10001 10674 11207	2778 2965 3113	3.17 2.65 2.00		119.6 101.4 82.82	132	77.36 81.15 78.88	

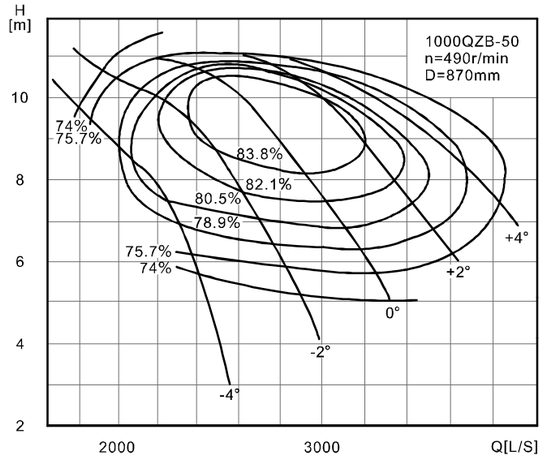
Dimension Drawing



Applicable shaft size: 1.4-1.5m

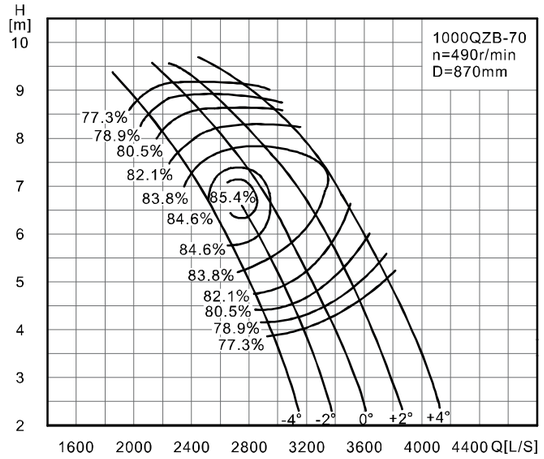
1000QZB-50	
Motor power (kW)	H(mm)
12-250	2450
12-315	2850
12-355	3000
12-400	3200
12-450	3400
1000QZB-70	
12-200	2250
12-250	2450
12-280	2650
12-315	2850
12-400	3200

Performance curve



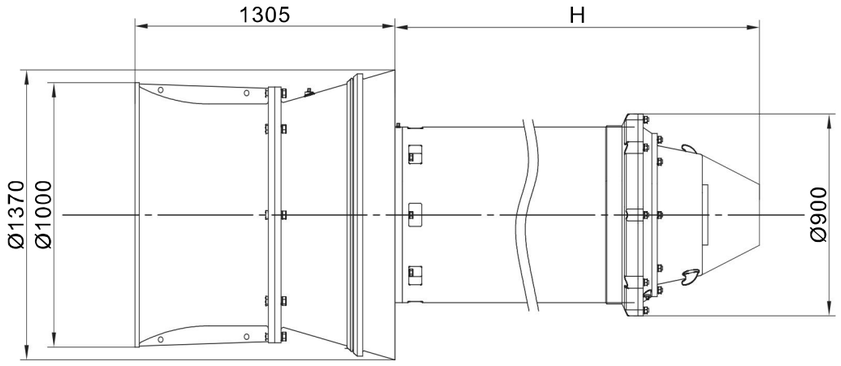
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	7229.5 7417.6 8424.3	2008.2 2060.4 2340.1	8.95 8.93 6.9		223.5 222.4 200.6	250	78.9 81.2 78.9	
-2°	7702.8 8693.5 10008.1	2139.7 2414.8 2780	10.27 9.22 6.5		273.1 260 224.7	315	78.9 84.0 78.9	
0°	8519.3 9672.6 11449.8	2366.5 2686.8 3180.5	10.82 9.7 6.37	490	318.5 300 251.8	355	78.9 85.2 78.9	870
+2°	9911.1 11126.4 12734.6	2753.1 3090.7 3537.4	10.85 9.6 6.91		371.5 342.6 303.7	400	78.9 85.0 78.9	
+4°	9911.1 11126.4 12734.6	3049.6 3395.6 3676.7	10.71 9.39 8.39		406 383.9 383.7	450	78.9 81.5 78.9	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	6735.2 7714.3 7951.7 7981.4 8841.8	1870.9 2142.9 2208.8 2217 2456.1	7.97 6.05 5.61 5.52 3.75		179.9 151.8 144.9 143.4 111.0	200	81.3 83.8 83.9 83.8 81.3	
-2°	7387.9 8040.7 8871.5 9761.6 10117.6	2052.2 2233.5 2464.3 2711.6 2810.5	8.64 7.64 6.09 4.42 3.55		213.9 193.7 173.3 140.3 120.5	250	81.3 83.8 85 83.8 81.3	
0°	8396.7 9079.2 10206.6 10859.4 11245.1	2332.4 2522 2835.2 3016.5 3123.6	9.03 8.01 6.03 4.80 3.94	490	254 236.6 196.8 169.6 148.3	280	81.3 83.8 85.2 83.8 81.3	870
+2°	9138.5 9672.6 10948.4 12135.2 12610	2538.5 2686.8 3041.2 3370.9 3502.8	9.61 8.93 6.91 4.8 4.03		294.3 281 240.9 189.6 170.4	315	81.3 83.8 85.6 83.8 81.3	
+4°	9969.3 10681.4 11986.9 13056 13648.4	2769.2 2967 3329.7 3628.4 3791.2	9.94 9.09 7.09 5.28 4.32		332 315.7 371.6 224.3 197.6	400	81.3 83.8 85.2 83.8 81.3	
+6°	10978.1 11868.2 12728.6 13945.1 14241.8	3049.5 3296.7 3535.7 3873.6 3956.1	10.08 8.84 7.62 5.95 5.38		370.9 341.1 319.2 270.1 256.6		81.3 83.8 84.9 83.8 81.3	

Dimension Drawing



Applicable shaft size: 1.4-1.5m

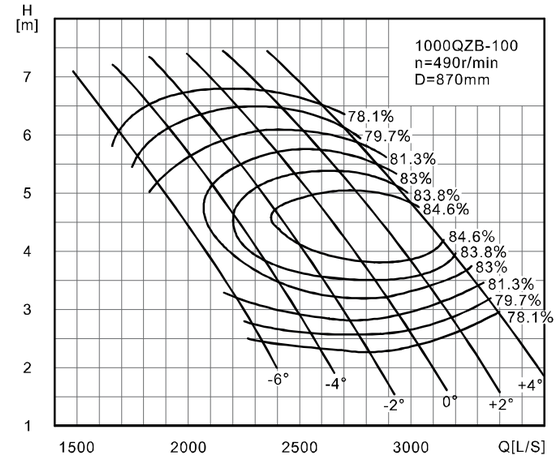
1000QZB-100

Motor power (kW)	H(mm)
12-132	2000
12-160	2000
12-185	2150
12-200	2250
12-220	2350

1000QZB-125

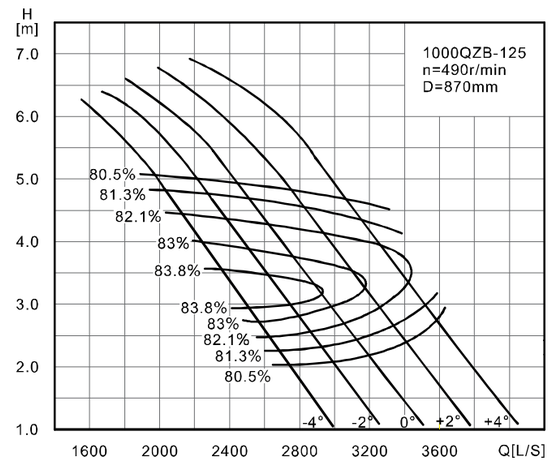
12-132	2000
12-160	2000
12-185	2150
12-200	2250

Performance curve



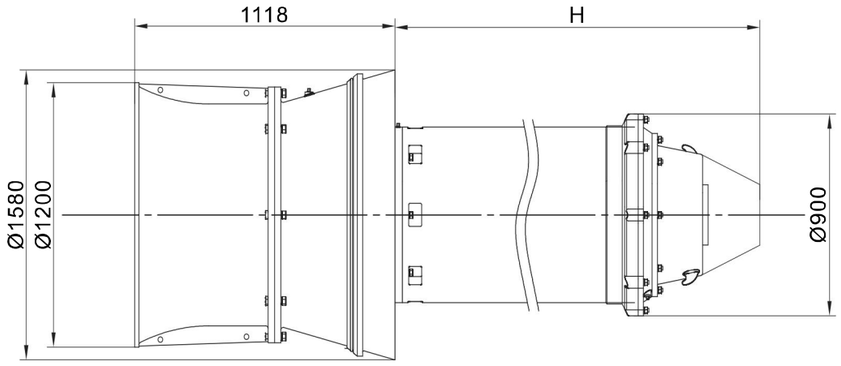
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	6809.1	1891.4	5.05		115.2		81.3	
	7417.6	2060.4	3.87		94.3	132	83	
	7993.2	2220.3	3.12		83.6		81.3	
-4°	7228.6	2007.9	5.6		135.6		81.3	
	8307.7	2307.7	3.94		106.3	160	83.9	
	9072.3	2520.1	2.79		84.9		81.3	
-2°	7737.5	2149.3	5.87		152.1		81.3	
	9049.5	2513.7	4.03		117.9		84.3	
	9875.5	2743.2	2.82		93.4		81.3	
0°	8289.9	2302.8	6		166.7		81.3	
	9791.3	2719.8	4.04		127.5		84.6	
	10584.6	2940.2	2.86		101.5		81.3	
+2°	9051.3	2514.2	6.03		182.9		81.3	
	10384.7	2884.6	4.25		141.7	200	85	
	11209.8	3113.8	3.09		116.1		81.3	
+4°	9893.3	2748.1	5.82		192.9		81.3	
	11126.4	3090.7	4.27		152.9		84.7	
	11803.5	3278.8	3.38		133.7		81.3	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	7124.2	1978.9	5.01		120.9		80.5	
	9203.8	2556.6	2.77		82.2	132	84.4	
	9864.5	2740.2	1.99		66.4		80.5	
-2°	7946.9	2207.5	4.97		133.5		80.5	
	9895.1	2748.6	2.96		94.8	160	84.2	
	10715.8	2976.6	2.10		76.3		80.5	
0°	8774.7	2437.4	4.92		146		80.5	
	10550.8	2930.8	3.12	490	107		83.8	870
	11458.7	3183	2.15		83.4		80.5	
+2°	9986.5	2774	4.65		157.1		80.5	
	11366.8	3157.4	3.24		120.5	185	83.2	
	12238.2	3399.5	2.37		98.2		80.5	
+4°	10998	3055	4.68		174.1		80.5	
	12167.9	3380	3.41		137	200	82.5	
	12886.8	3579.7	2.74		119.4		80.5	

Dimension Drawing



Applicable shaft size: 1.6-1.8m

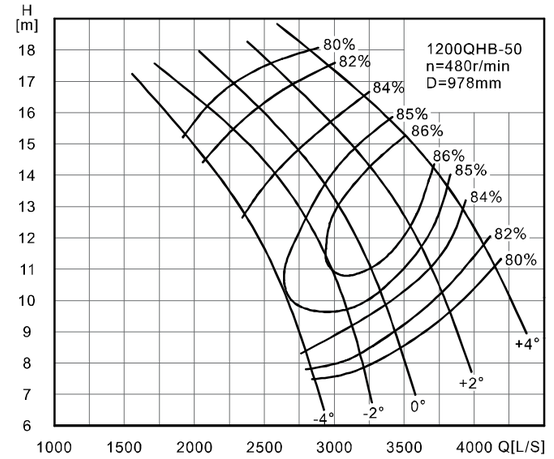
1200QZB-50

Motor power (kW)	H(mm)
12-400	3200
12-450	3400
12-560	3600
12-630	3600
12-710	3650

1200QZB-70

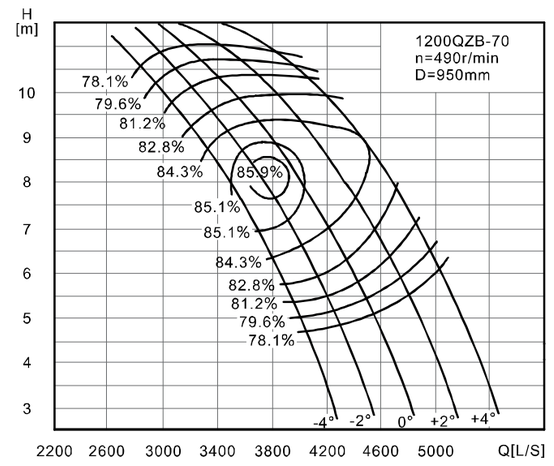
12-400	3200
12-450	3400
12-500	3600
12-560	3600

Performance curve



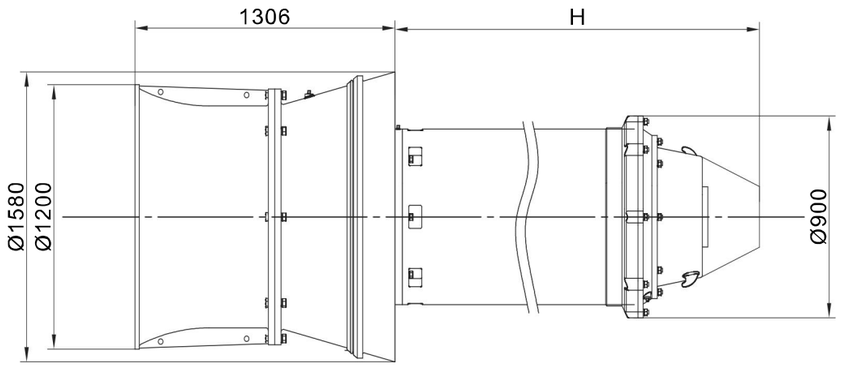
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	9412.9	2614.7	10.67		343.8		79.6	
	9657.8	2682.7	10.65		342.5	400	81.8	
	10968.5	3046.8	8.22		308.6		79.6	
-2°	10029	2785.8	12.24		420.1		79.6	
	11318.9	3144.1	10.99		401	450	84.6	
	13030.7	3619.6	7.75		345.7		79.6	
0°	11092.2	3081.2	12.91		489.9		79.6	
	12593.8	3498.3	11.57		462.9	560	85.7	
	14907.8	4141	7.59		387.3		79.6	
+2°	12904.3	3584.5	12.94		571.4		79.6	
	14486.7	4024.1	11.45		528.7	630	85.5	
	16580.5	4605.7	8.23		467.2		79.6	
+4°	14294.3	3970.6	12.77		624.6		79.6	
	15916	4421.1	11.2		591.4	710	82.1	
	17233.4	4787	10.01		590.2		79.6	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	11502	3195	9.28		351.3		82.8	
	13111.4	3642.1	7.26		303.1	400	85.6	
	14046.3	3901.7	5.76		266.4		82.8	
-2°	11890.3	3302.9	9.62		376.6		82.8	
	13687.0	3801.9	7.76		336.2	450	86.1	
	14877.2	4132.6	5.95		291.7		82.8	
0°	12792.7	3553.5	9.86		415.3		82.8	
	14328.3	3980.1	8.06	490	368.5		85.4	950
	15612.8	4336.9	6.33		325.5		82.8	
+2°	13763.9	3823.3	9.95		451		82.8	
	15332.7	4259.1	8.2		405	500	84.9	
	16494.3	4581.8	7.05		383.1		82.8	
+4°	15204.4	4223.5	9.94		497.6		82.8	
	16043.5	4456.5	8.73		452.2	560	84.4	
	16900.4	4694.5	7.84		436.5		82.8	

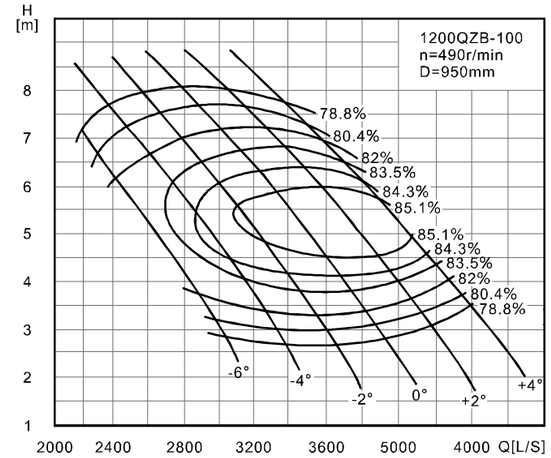
Dimension Drawing



Applicable shaft size: 1.6-1.8m

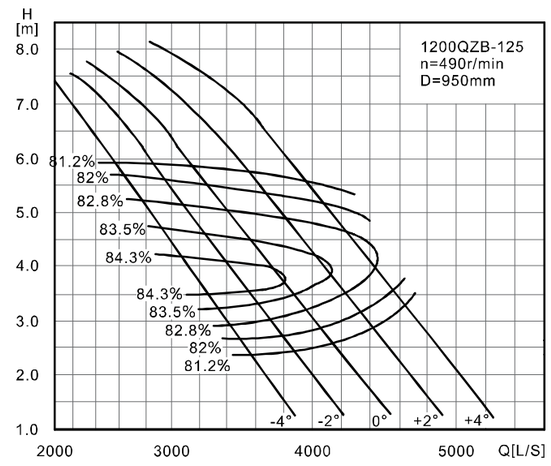
1200QZB-100	
Motor power (kW)	H(mm)
12-200	2250
12-250	2450
12-280	2650
12-315	2850
12-355	3000
1200QZB-125	
12-200	2250
12-220	2350
12-250	2450
12-280	2650
12-315	2850

Performance curve



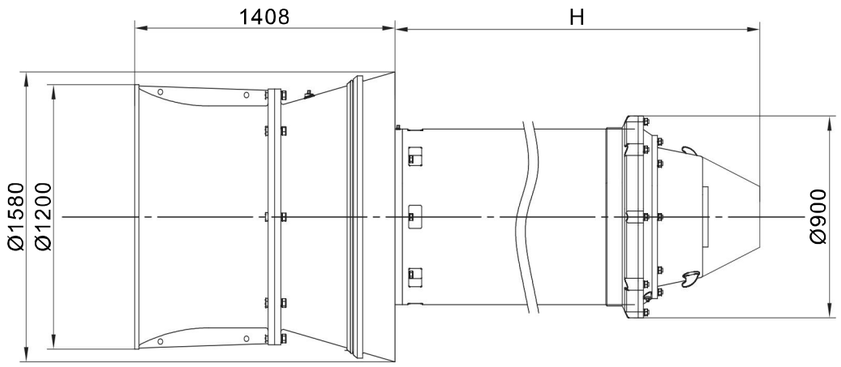
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	8865.5	2462.6	6.02		177.5		82	
	9657.8	2682.7	4.61		145.4	200	83.5	
	10407.2	2890.9	3.72		128.7		82	
-4°	9411.7	2614.4	6.68		208.9		82	
	10816.7	3004.6	4.7		164	250	84.4	
	11812.2	3281.2	3.33		130.8		82	
-2°	10074.2	2798.4	7		234.3		82	
	11782.5	3272.9	4.81		181.9		84.9	
	12858	3571.7	3.37		143.9		82	
0°	10793.5	2998.2	7.16	490	256.8	280	82	950
	12748.3	3541.2	4.82		196.8		85.1	
	13781.3	3828.1	3.41		156.3		82.0	
+2°	11784.8	3273.6	7.19		281.7		82	
	13520.9	3755.8	5.07		218.6	315	85.5	
	14595.2	4054.2	3.69		178.9		82	
+4°	12881.2	3578.1	6.94		297.1		82	
	14486.7	4024.1	5.1		235.9	355	85.3	
	15368.2	4269	4.03		205.9		82	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	9275.7	2576.6	5.98		186.1		81.2	
	11983.4	3328.7	3.3		126.8	200	85	
	12843.7	3567.7	2.37		102.2		81.2	
-2°	10347	2874.2	5.92		205.6		81.2	
	12883.5	3578.7	3.53		146.2	220	84.7	
	13952	3875.6	2.51		117.4		81.2	
0°	11424.8	3173.5	5.86		224.8		81.2	
	13737.2	3815.9	3.72	490	165.1	250	84.4	950
	14919.4	4144.3	2.57		128.4		81.2	
+2°	13002.5	3611.8	5.54		241.9		81.2	
	14799.6	4111	3.86		185.8	280	83.8	
	15934.2	4426.2	2.83		151.3		81.2	
+4°	14319.4	3977.6	5.58		268		81.2	
	15842.6	4400.7	4.07		211.1	315	83.1	
	16778.7	4660.7	3.26		183.8		81.2	

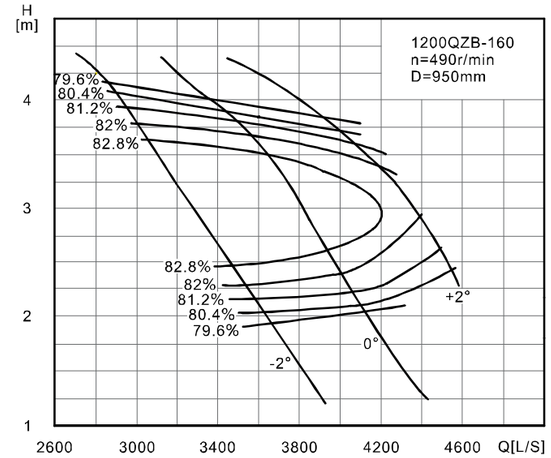
Dimension Drawing



Applicable shaft size: 1.6-1.8m

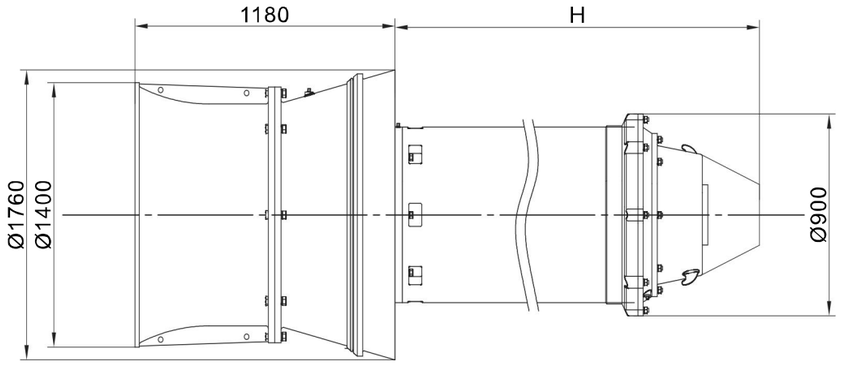
1200QZB-160	
Motor power (kW)	H(mm)
12-160	2000
12-185	2150
12-200	2250

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	10487.6	2913.2	4.04		143.7		80.4	
	11975.7	3326.6	2.85		110.9	160	84	
	13082.1	3633.9	2.02		89.3		80.4	
0°	12388.2	3441.2	3.87		162.5		80.4	
	13907.2	3863.1	2.86	490	130.5	185	83.2	950
	14785.3	4107	2.08		104.4		80.4	
+2°	14387.4	3996.5	3.7		180.3		80.4	
	15529.7	4313.8	3.09		159.6	200	82.0	
	16383.9	4551.1	2.4		133.5		80.4	

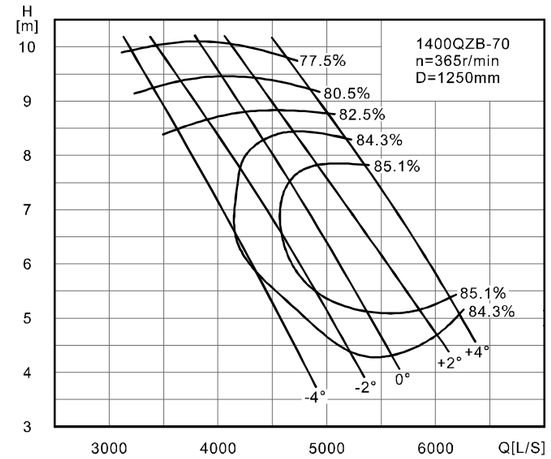
Dimension Drawing



Applicable shaft size: 1.8-2m

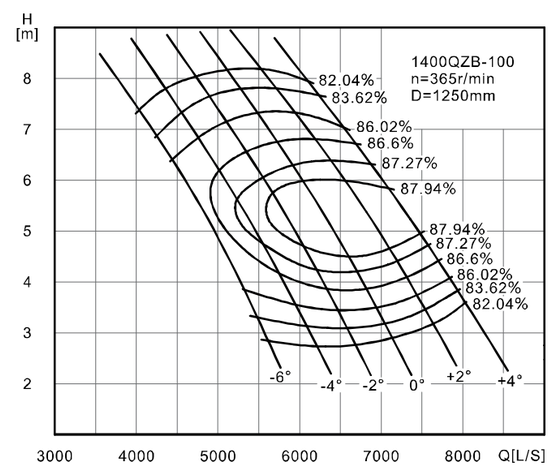
1400QZB-70	
Motor power (kW)	H(mm)
450	3400
500	3600
630	3700
710	3850
800	3950
900	3950
1200QZB-100	
400	3200
450	3400
500	3600
560	3600
630	3700

Performance curve



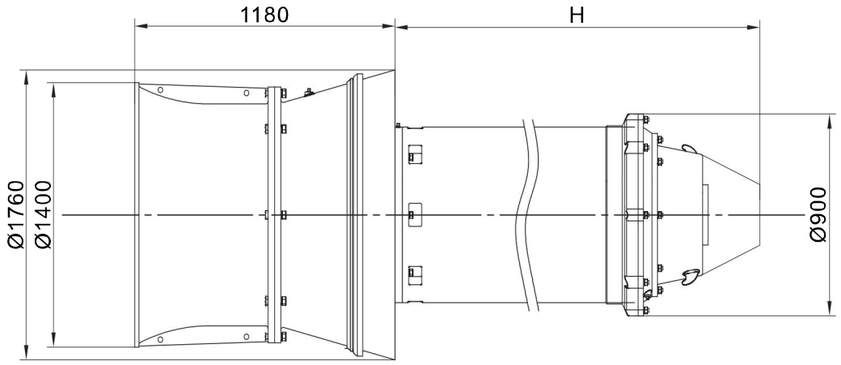
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	12210	3392	9.50	365	392.7	450	80.5	1250
	14649	4069	7.06		340.0		82.9	
	16681	4634	4.85		268.0		82.3	
-2°	13132	3648	9.66		429.5	500	80.5	
	16912	4698	6.35		344.1		85.1	
	18660	5183	4.59		287.0		81.3	
0°	14375	3993	9.83		478.5	550	80.5	
	18056	5015	6.56		379.0		85.1	
	20159	5600	4.44		299.9		81.3	
+2°	15554	4321	9.75		513.5	590	80.5	
	19532	5426	6.16		413.2		85.1	
	21657	6016	4.84		338.9		84.3	
+4°	17279	4800	9.50		555.7	640	80.5	
	20616	5727	6.96		459.4		85.1	
	22348	6208	5.35		386.2		84.3	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	15523	4312	6.63	370	331.9	355	84.5	1275
	17100	4750	5.43		294.9		85.8	
	19080	5300	3.72		228.9		84.5	
-4°	16711	4642	7.14		384.8	400	84.5	
	18900	5250	5.50		323.7		87.5	
	21132	5870	3.50		297.1		85.0	
-2°	18540	5150	7.16		425.1	450	85.1	
	21096	5860	5.20		339.7		88.0	
	22860	6350	3.60		262.3		85.5	
0°	19620	5450	7.40		465.5	500	85.0	
	22356	6210	5.50		380.8		88.0	
	24804	6890	3.50		278.3		85.0	
+2°	21240	5900	7.28		495.7	560	85.0	
	24300	6750	5.50		413.9		88.0	
	26568	7380	3.80		323.7		85.0	
+4°	22932	6370	7.30		536.7	600	85.0	
	25992	7220	5.50		442.7		88.0	
	28188	7830	4.00		361.5		85.0	

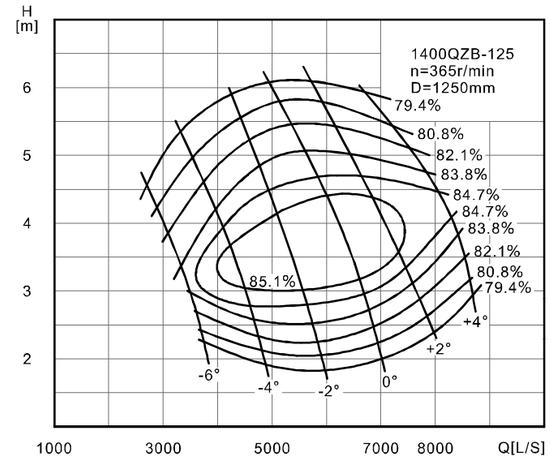
Dimension Drawing



Applicable shaft size: 1.8-2m

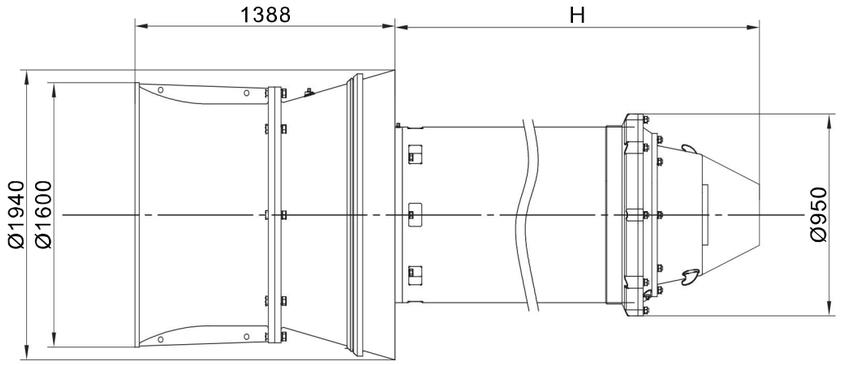
1400QZB-125	
Motor power (kW)	H(mm)
280	2650
315	2850
355	3000
400	3200

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	11555	3210	3.73	365	143.1	160	82.1	1250
	12668	3519	3.03		124.6		83.8	
	13437	3733	2.42		110.1		80.5	
-4°	12717	3533	5.07		217.6	250	80.8	
	15833	4398	3.38		171.3		85.1	
	17289	4802	2.30		132.0		82.1	
-2°	16774	4659	5.19		289.2	330	82.1	
	19342	5373	3.63		224.9		85.1	
	21140	5872	2.30		161.4		82.5	
0°	20369	5658	5.07		336.0	400	83.8	
	23193	6443	3.63		269.7		85.1	
	25247	7013	2.42		204.3		82.5	
+2°	22681	6300	5.45		410.0	470	82.1	
	26040	7233	3.63		302.8		85.1	
	27814	7726	2.90		268.2		82.1	
+4°	27131	7536	5.19		467.8	540	82.1	
	29613	8226	4.35		414.2		84.7	
	30640	8511	3.63		369.3		82.1	

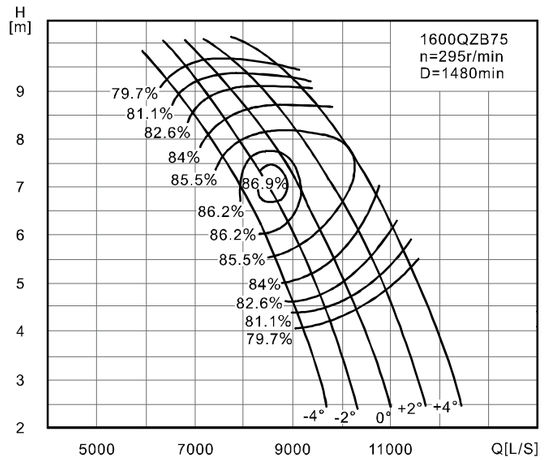
Dimension Drawing



Applicable shaft size: 2-2.2m

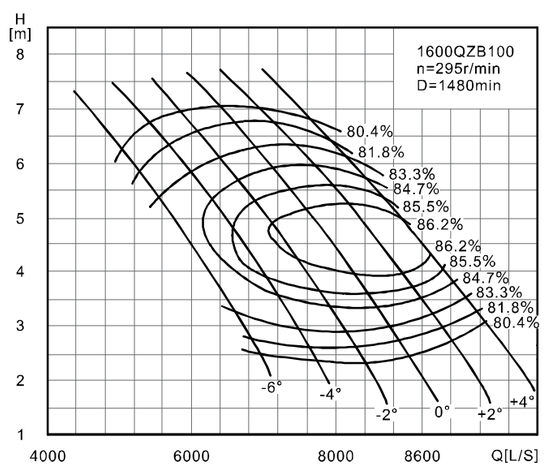
1600QZB-70	
Motor power (kW)	H(mm)
800	3950
900	3950
1000	4100
1120	4200
1600QZB-100	
400	3200
450	3400
500	3600
560	3600
630	3700

Performance curve



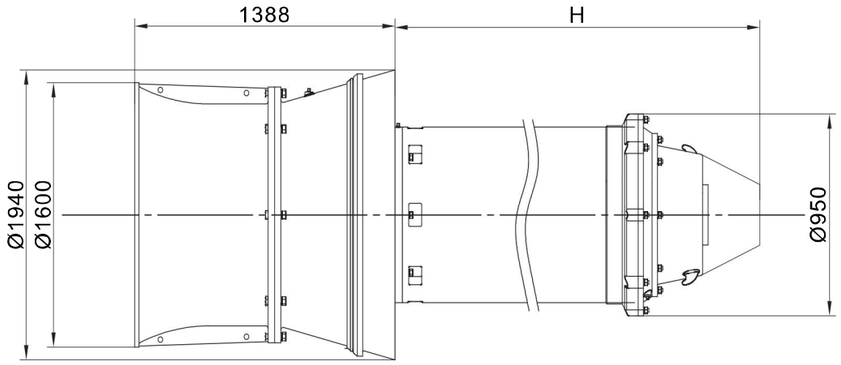
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	26182.7 29846.2 31974.4	7273 8290.6 8881.8	8.16 6.39 5.07		692.9 599.6 525.4	800	84 86.6 84	
-2°	27066.5 31156.5 33865.9	7518.5 8654.6 9407.2	8.46 6.83 5.24		742.8 665.3 575.3		84 87.2 84	
0°	29120.8 35616.3 35540.3	8089.1 9060.1 9872.3	8.67 7.09 5.57	295	819.1 728.8 642.1	900	84 86.5 84	1480
+2°	31331.5 34902.7 37547	8703.2 9695.2 10429.7	8.75 7.24 6.21		889.5 800.6 755.6	1000	84 86 84	
+4°	24610.7 36520.8 38471.2	9614.1 10144.7 10686.5	8.74 7.68 6.9		981.5 896.4 861	1120	84 85.5 84	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	20181 21984.6 23690.6	5605.8 6106.8 6580.7	5.3 4.06 3.27		349.8 287 253.7	400	83.3 84.7 83.3	
-4°	21424.4 24622.7 26888.9	5951.2 6839.6 7469.1	5.87 4.13 2.93		411.6 323.9 257.9	450	83.3 85.5 83.3	
-2°	22932.5 26821.2 29269.4	6370.2 7450.3 8130.4	6.16 4.23 2.96		461.8 359.6 283.6	500	83.3 86 83.3	
0°	24569.9 29019.6 31371.1	6825 8061 8714.2	6.3 4.24 3	295	506.1 389.1 308.1	560	83.3 86.2 83.3	1480
+2°	26826.4 30778.4 33224	7451.8 8549.6 9228.9	6.33 4.46 3.24		555.2 432.4 352.6	630	83.3 86.6 83.3	
+4°	29322.1 32976.9 34983.6	8145 9160.2 9717.7	6.1 4.48 3.55		585.6 466.5 405.8		83.3 86.3 83.3	

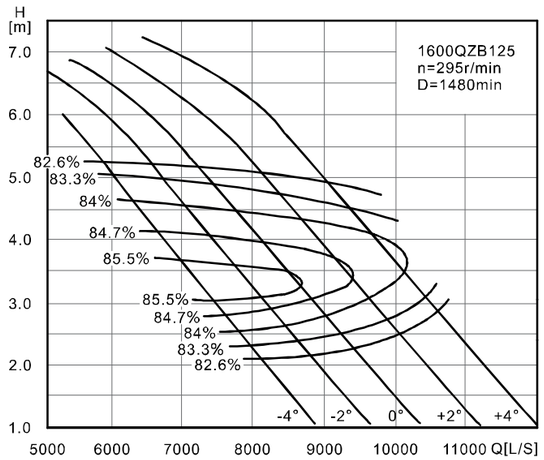
Dimension Drawing



Applicable shaft size: 2-2.2m

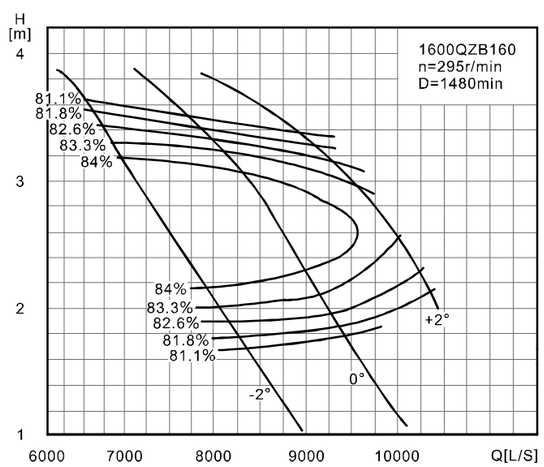
1600QZB-125	
Motor power (kW)	H(mm)
400	3200
450	3400
500	3600
560	3600
630	3700
1600QZB-160	
315	2850
355	3000
400	3200

Performance curve



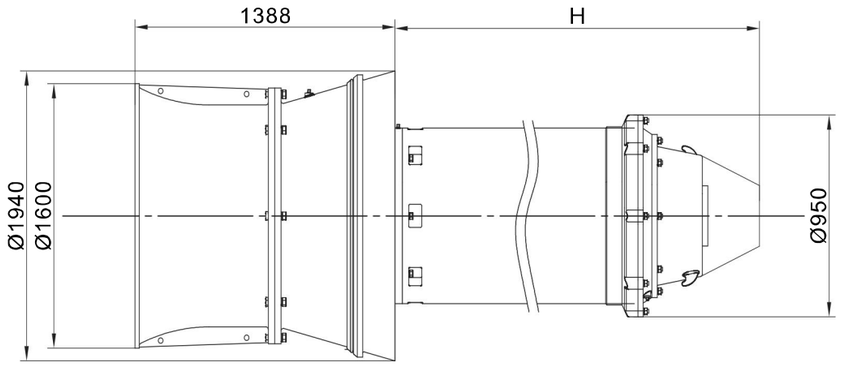
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	21114.9 27278.5 29236.8	5865.2 7577.3 8121.3	5.26 2.9 2.09		366.4 250.6 201.2	400	82.6 86.1 82.6	
-2°	23553.4 29327.4 31759.8	6542.6 8146.5 8822.2	5.21 3.10 2.21		404.8 288.9 231.2	450	82.6 85.8 82.6	
0°	26006.9 31270.8 33961.8	7224.1 8686.3 9433.8	5.16 3.27 2.26	295	442.7 326.1 252.9	500	82.6 82.5 82.6	1480
+2°	29598.3 33689.2 36271.9	8221.7 9358.1 10075.5	4.88 3.39 2.49		476.3 366.9 297.8	560	82.6 85 82.6	
+4°	32596.1 36063.5 38194.2	9054.5 10017.6 10609.5	4.91 3.58 2.87		527.7 416.5 361.9	630	82.6 84.4 82.6	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	23873.5 27260.9 29779.4	6631.5 7572.5 8272.1	3.56 2.51 1.77		282.7 218.9 175.8	315	81.8 85.1 81.8	
0°	28200 31657.8 33656.6	7833.3 8793.8 9349.1	3.4 2.52 1.83	295	319.7 257.5 205.4	355	81.8 84.4 81.8	1480
+2°	32750.8 35351.2 37295.5	9097.5 9819.8 10359.9	3.25 2.72 2.12		354.8 314.6 263.3	400	81.8 83.3 81.8	

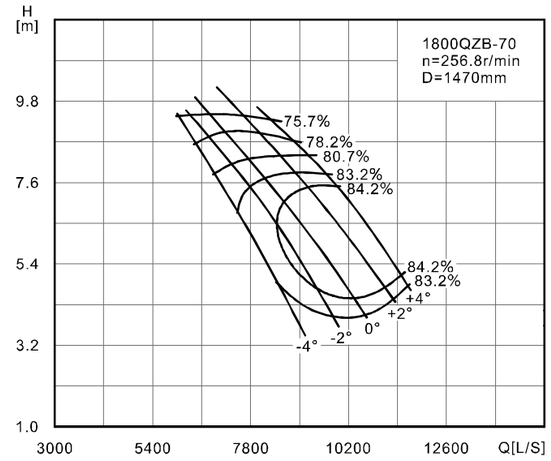
Dimension Drawing



Applicable shaft size: 2.4-2.6m

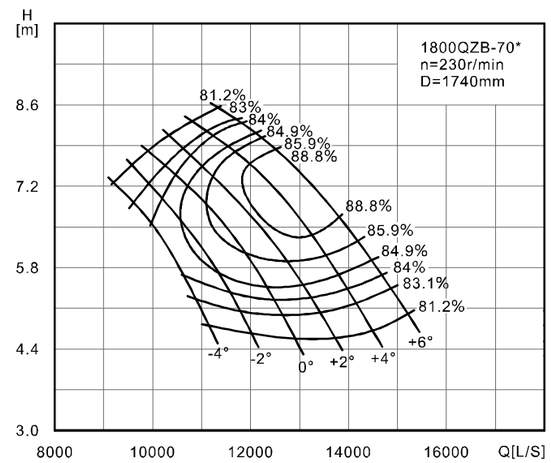
1800QZB-70	
Motor power (kW)	H(mm)
710	3850
800	3950
900	3950
1000	4100
1800QZB-70*	
900	3950
1000	4100
1100	4200
1200	4250

Performance curve



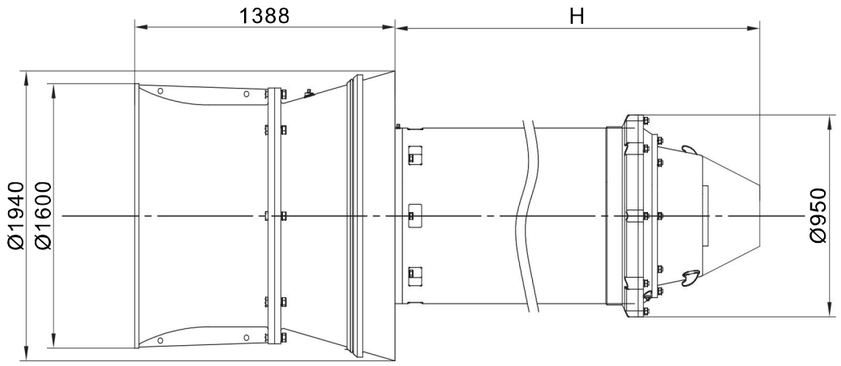
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	25607	7113	7.56	256.8	646.8	710	81.55	1740
	28958	8044	5.77		544.4		83.64	
	32044	8890	3.98		425.5		81.68	
-2°	27623	7673	7.68		698.7	800	82.76	
	31568	8769	5.95		608.2		84.20	
	34981	9717	4.22		480.2		83.67	
0°	29271	8131	7.79		750.8		82.77	
	33527	9313	6.10		661.9		84.20	
	37354	10376	4.41		533.8		84.17	
+2°	31932	8870	7.98		840.3	900	82.63	
	36299	10083	6.32		743.0		84.20	
	40190	11164	4.67		608.5		84.03	
+4°	32526	9035	8.13		881.1	1000	81.78	
	38318	10644	6.50		806.0		84.20	
	41994	11665	4.84		664.8		83.31	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	33127	9202	7.32	230	816.2	900	77.59	1740
	36583	10162	6.36		752.1		83.73	
	40576	11271	4.68		642.3		75.39	
-2°	35154	9765	7.46		869.3		81.81	
	38649	10736	6.52		805.8		84.70	
	42923	11923	4.88		695.1		79.03	
0°	38019	9983	7.81		941.4	1000	83.08	
	42822	11336	6.70		864.7		84.70	
	47686	12604	5.10		754.8		82.15	
+2°	38019	10561	7.97		1002.4	1100	82.77	
	42822	11895	6.87		932.2		84.70	
	47686	13246	5.31		822.1		82.18	
+4°	40269	11186	8.15		1075.1		82.11	
	45295	12582	7.09		1008.0		84.70	
	50152	13931	5.56		901.3		81.31	
+6°	42473	11798	8.34		1154.3	1200	83.62	
	47534	13204	7.30		1089.4		83.87	
	52596	14610	5.82		987.8		79.11	

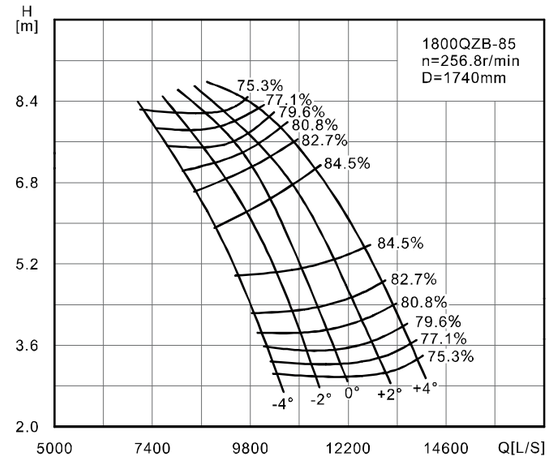
Dimension Drawing



Applicable shaft size: 2.4-2.6m

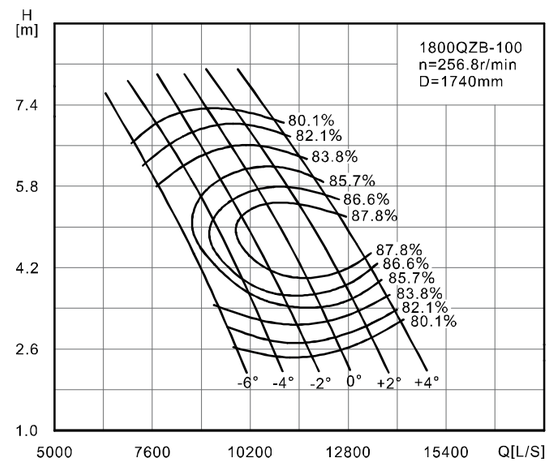
1800QZB-85	
Motor power (kW)	H(mm)
800	3950
900	3950
1000	4100
1100	4200
1800QZB-100	
560	3600
630	3700
710	3850
800	3950
900	3950

Performance curve



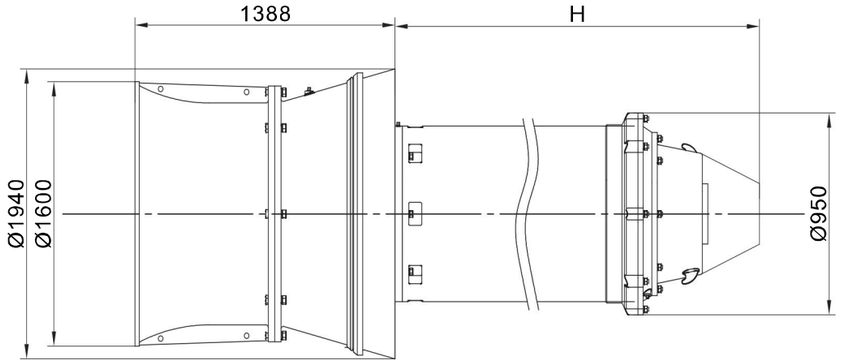
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	29653	8237	6.99	256.8	695.8	800	81.12	1740
	33509	9308	5.26		568.2		84.50	
	36662	10184	3.51		446.6		78.45	
-2°	32231	8953	7.16		774.2	900	81.28	
	36274	10076	5.48		640.5		84.50	
	39531	10981	3.75		500.2		80.80	
0°	34484	9579	7.33		855.0		80.59	
	38660	10739	5.68		707.6		84.50	
	41922	11645	3.97		559.6		81.04	
+2°	36268	10066	7.47		906.3	1000	84.41	
	41000	11389	5.88		778.0		84.50	
	44741	12428	4.24		636.2		81.32	
+4°	38599	10722	7.67		981.0	1100	82.24	
	43614	12115	6.13		862.5		84.50	
	47459	13183	4.52		719.4		81.33	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	28688	7969	5.55	256.8	512.1	560	84.67	1740
	32418	9005	3.95		409.2		85.35	
	35233	9787	2.63		317.1		79.51	
-4°	31648	8791	5.71		576.7	630	85.38	
	35499	9861	4.14		459.7		87.18	
	38351	10653	2.83		357.2		82.92	
-2°	34128	9480	5.86		634.8	710	85.79	
	38099	10583	4.32		510.4		87.80	
	41141	11428	3.04		406.9		83.63	
0°	36724	10201	6.02		701.0	800	85.99	
	40770	11325	4.51		570.4		87.80	
	43798	12166	3.24		457.6		84.50	
+2°	39179	10883	6.19		771.5		85.69	
	43466	12074	4.74		635.9		87.80	
	46656	12960	3.47		521.9		84.63	
+4°	41587	11552	6.37		564.2	900	83.52	
	46058	12794	4.92		703.9		87.80	
	49446	13735	3.72		590.9		84.77	

Dimension Drawing



Applicable shaft size: 2.4-2.6m

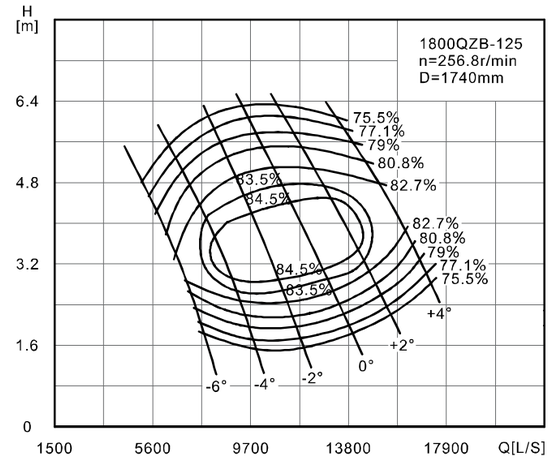
1800QZB-125

Motor power (kW)	H(mm)
330	3000
425	3300
560	3600
710	3850
900	3950
1100	4200

1800QZB-160

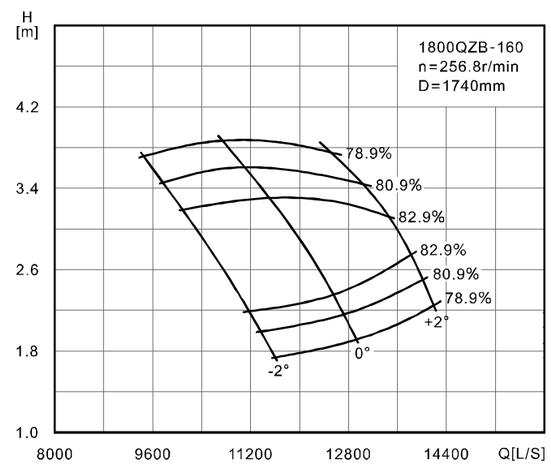
450	3400
500	3600
630	3700

Performance curve



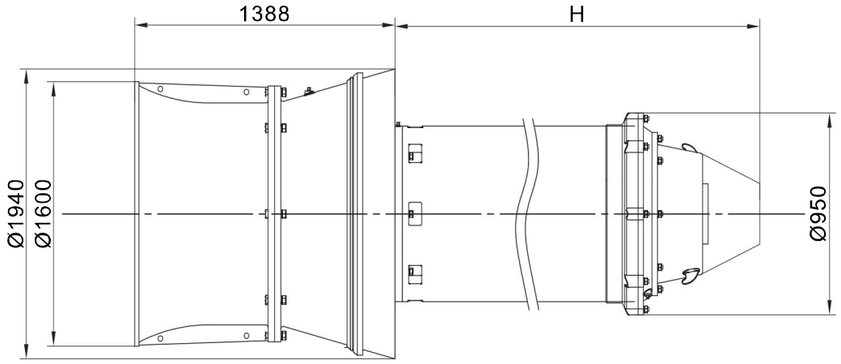
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	21676	6021	3.93	256.8	288.1	330	80.49	1740
	24977	6938	2082		232.9		82.28	
	27652	7681	1.79		179.6		75.23	
-4°	27893	7748	4.21		383.2	425	83.41	
	31835	8843	2.92		299.7		84.50	
	33912	9420	2.14		247.5		82.28	
-2°	33934	9426	4.54		502.0	560	83.09	
	37865	10518	3.30		403.0		84.50	
	40784	11329	2.31		311.9		82.28	
0°	39416	10949	4.91		634.7	710	83.09	
	43776	12160	3.74		527.7		84.50	
	47041	13067	2.81		432.6		83.18	
+2°	43844	12179	5.24		763.8	900	82.02	
	48539	13483	4.14		647.6		84.50	
	52081	14467	3.26		554.5		83.43	
+4°	49648	13791	5.74		998.4	1100	77.72	
	54547	15152	4.70		840.5		83.10	
	58079	16133	3.86		739.8		82.57	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	36176	10049	3.26	256.8	392.3	450	81.79	1740
	39607	11002	2.39		311.5		82.90	
	41296	11471	1.91		266.2		80.91	
0°	41213	11448	3.41		466.6	500	82.03	
	44003	12223	2.72		393.3		82.90	
	45598	12666	2.25		339.3		82.25	
+2°	46634	12954	3.53		558.00	630	80.24	
	48550	13486	3.09		493.60		82.90	
	50098	13916	2.63		435.60		82.38	

Dimension Drawing



Applicable shaft size: 2.4-2.6m

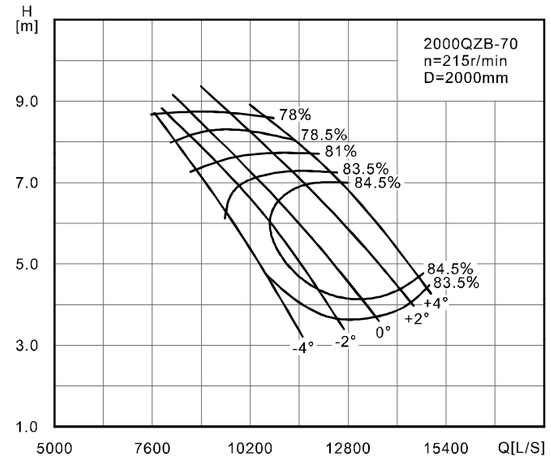
2000QZB-70

Motor power (kW)	H(mm)
800	3950
900	3950
1000	4100
1100	4200
1200	4250

2000QZB-85

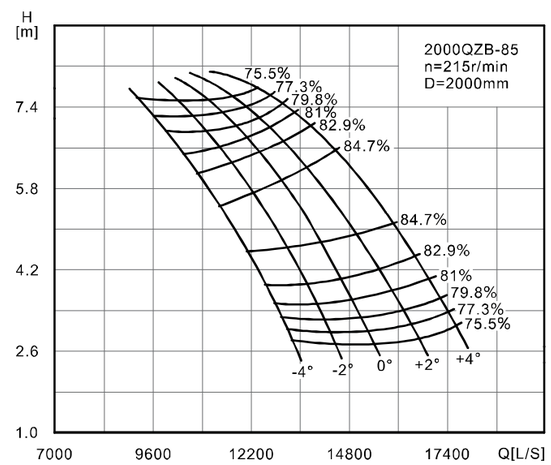
900	3950
1000	4100
1100	4200
1200	4250

Performance curve



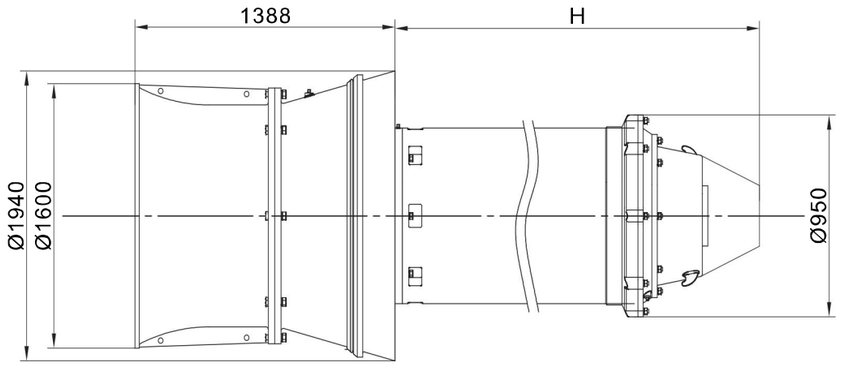
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	32494	9026	7.02	215	759.8	800	81.78	2000
	37714	10476	4.97		609.2		83.81	
	40734	11315	3.67		496.9		81.94	
-2°	35150	9764	7.11		819.1	900	83.09	
	41404	11501	5.06		676.2		84.50	
	44492	12359	3.89		562.4		83.96	
0°	37325	10368	7.18		878.2	1000	83.19	
	44248	12291	5.14		734.1		84.50	
	47498	13194	4.09		626.6		84.47	
+2°	40867	11352	7.32		979.2	1100	83.23	
	48139	13372	5.26		817.0		84.50	
	51073	14187	4.34		715.5		84.36	
+4°	43632	12120	7.43		1068.4	1200	82.71	
	50850	14125	5.35		877.5		84.50	
	53330	14814	4.50		781.7		83.72	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	36347	10096	6.83	215	845.2	900	80.87	1740
	42186	11718	5.02		681.2		85.54	
	46758	12988	3.18		519.5		78.87	
-2°	39781	10096	6.94		941.5	1000	80.69	
	45894	11718	5.15		760.7		85.54	
	50592	12988	3.34		571.7		81.22	
0°	42733	11870	7.84		1037.3	1100	79.79	
	49098	13638	5.28		833.2		85.54	
	53793	14943	3.47		626.8		81.96	
+2°	45055	12515	7.12		1089.6	1200	81.04	
	52299	14528	5.41		909.0		85.54	
	57688	16024	3.65		710.9		81.42	
+4°	48292	13414	7.24		1169.0		82.30	
	55899	15528	5.56		1000.5		85.54	
	61403	17056	3.83		794.0		81.40	

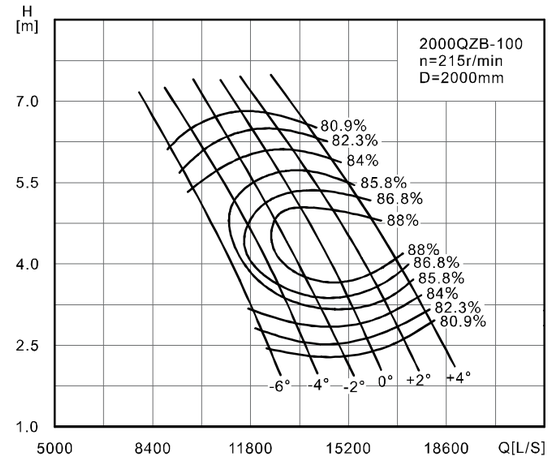
Dimension Drawing



Applicable shaft size: 2.4-2.6m

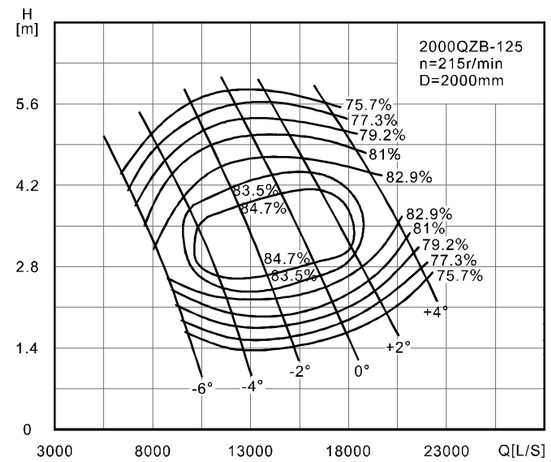
2000QZB-100	
Motor power (kW)	H(mm)
710	3850
800	3950
900	3950
1000	4100
1100	4200
2000QZB-125	
400	3200
560	3600
710	3850
800	3950
1000	4100
1200	4250

Performance curve



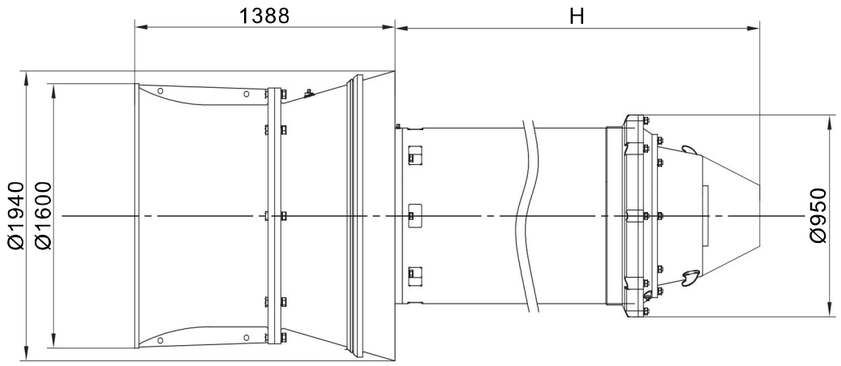
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	34700	9639	5.64		645.1		82.75	
	40288	11191	3.96		506	710	86.09	
	44420	12339	2.57		384.3		80.81	
-4°	38588	10719	5.73		749.8		84.37	
	44410	12336	4.07		560	800	87.81	
	48622	13506	2.68		425.7		83.33	
-2°	41954	11654	5.80		783.0		84.75	
	47891	13303	4.16		616.5	900	88.00	
	52380	14550	2.79	215	475.0		83.72	2000
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		84.55	
	55242	15345	4.37		748.2	1000	88.00	
	59965	16657	3.03		592.2		83.62	
+4°	52063	14462	6.08		1038.4		83.02	
	58842	16345	4.49		818.5	1100	88.00	
	63889	17747	3.17		661.9		83.36	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	25056	6960	4.18		367.8		77.59	
	31133	8648	2.78		281.4	400	83.73	
	35186	9774	1.65		210.4		75.39	
-4°	33396	9277	4.32		480.5		81.81	
	35910	10975	2.95		374.6	560	84.70	
	43596	12110	1.84		277.3		79.03	
-2°	41785	11607	4.50		616.8		83.08	
	47722	13256	3.15		484.0	710	84.70	
	52088	14469	2.08	215	358.9		82.15	2000
0°	49338	13705	4.70		763.1		82.77	
	55991	15553	3.40		612.1	800	84.70	
	60936	16924	2.36		477.5		82.18	
+2°	55613	15448	4.89		901.8		82.11	
	62870	17464	3.63		734.7	1000	84.70	
	68292	18970	2.64		603.3		81.31	
+4°	64040	17789	5.17		1146.5		78.76	
	71600	19889	3.97		923.2	1200	83.87	
	76943	21373	3.00		794.1		79.11	

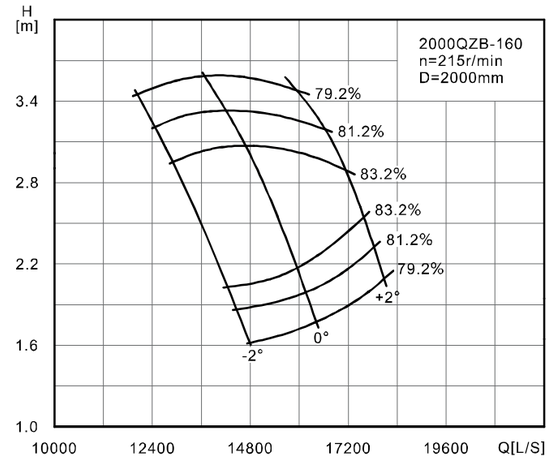
Dimension Drawing



Applicable shaft size: 2.4-2.6m

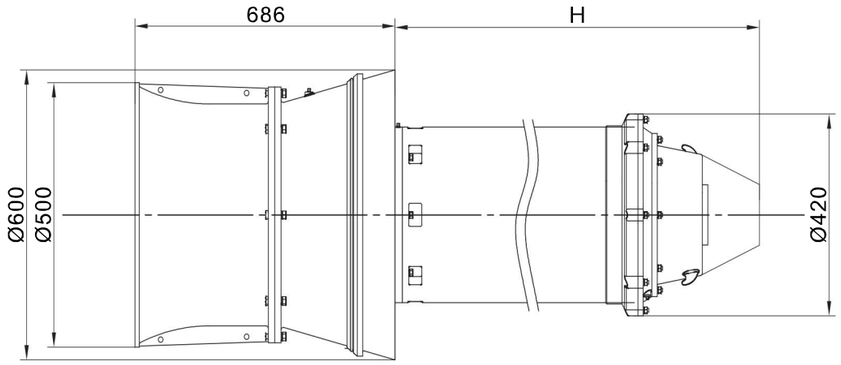
2000QZB-160	
Motor power (kW)	H(mm)
560	3600
630	3700
710	3850

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-2°	45184	12551	3.15		478.6		81.13	
	50022	13895	2.28		373.3	560	83.20	
	52585	14607	1.75		309.4		81.05	
0°	51343	14262	3.32		571.7		81.14	
	56214	15615	2.46	215	452.4	630	83.20	2000
	58594	16276	1.93		380.6		81.03	
+2°	58140	16150	3.42		679.4		79.68	
	62694	17415	2.67		547.5	710	83.20	
	64847	18013	2.14		468.8		80.68	

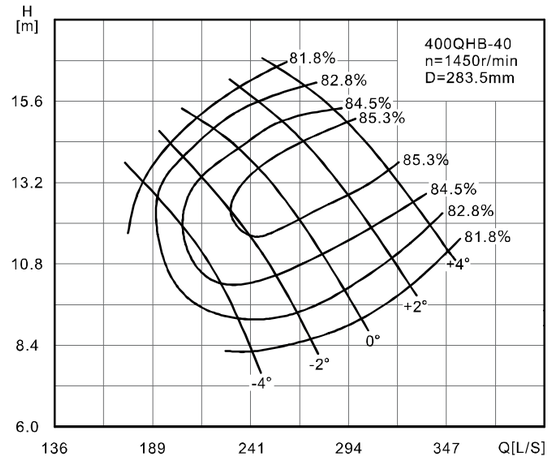
Dimension Drawing



Applicable shaft size: 0.7-0.8m

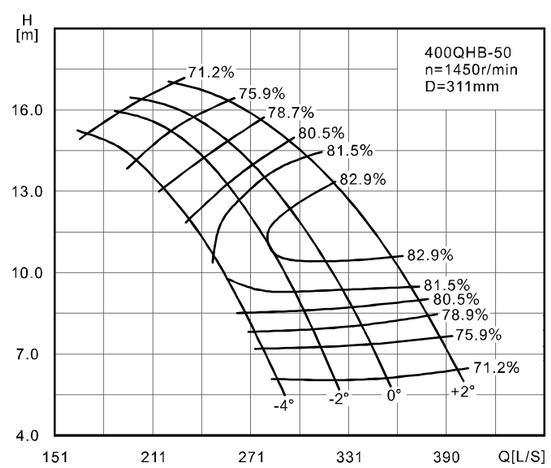
400QHB-40	
Motor power (kW)	H(mm)
37	1190
40	1250
45	1350
65	1450
400QHB-50	
40	1250
45	1350
65	1450

Performance curve



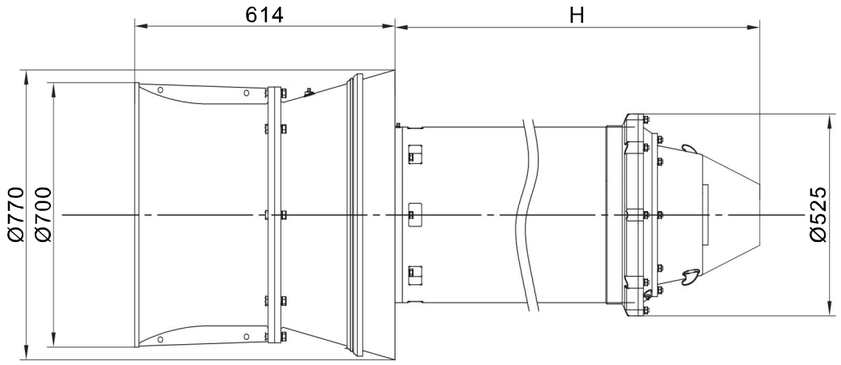
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	630 756 868	175 210 241	13.8 11.7 8.61	1450	30.58 29.54 25.69	37	80.95 84.89 82.28	283.5
-2°	752 864 8983	209 240 273	14.0 11.8 8.79		35.88 34.01 29.85	40	82.93 85.30 81.95	
0°	799 925 1094	222 257 304	14.9 13.0 8.89		40.66 39.94 34.32	45	82.62 85.30 81.36	
+2°	925 1030 1217	257 286 338	15.2 13.5 9.21		47.42 46.18 39.31	65	84.41 85.30 80.76	
+4°	1026 1130 1328	285 314 369	15.5 13.8 9.44		53.35 51.79 43.26		84.27 85.30 82.16	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	666 864 986	185 240 274	14.43 10.60 6.62	1450	36.82 31.93 24.86	40	73.7 81.4 74.5	311
-2°	810 860 1102	225 274 306	14.63 10.82 6.85		43.58 36.61 28.81	45	77.0 82.8 74.4	
0°	889 1076 1206	247 299 335	14.76 11.00 7.08		47.53 40.56 32.45	65	78.1 82.8 74.7	
+2°	1008 1206 1350	280 335 375	14.98 11.28 7.43		53.56 46.59 37.86		79.7 82.8 75.1	

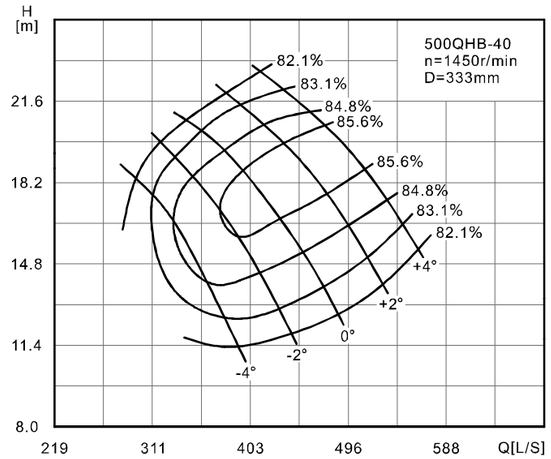
Dimension Drawing



Applicable shaft size: 0.8-0.9m

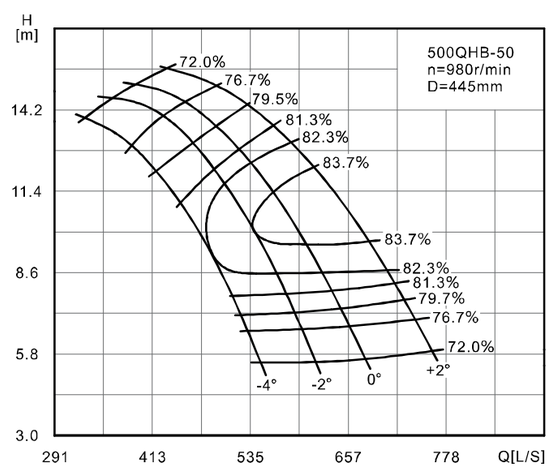
500QHB-40	
Motor power (kW)	H(mm)
4-75	700
4-85	780
4-110	1000
4-130	1120
500QHB-50	
6-65	1280
6-80	1450
6-90	1450
6-110	1450

Performance curve



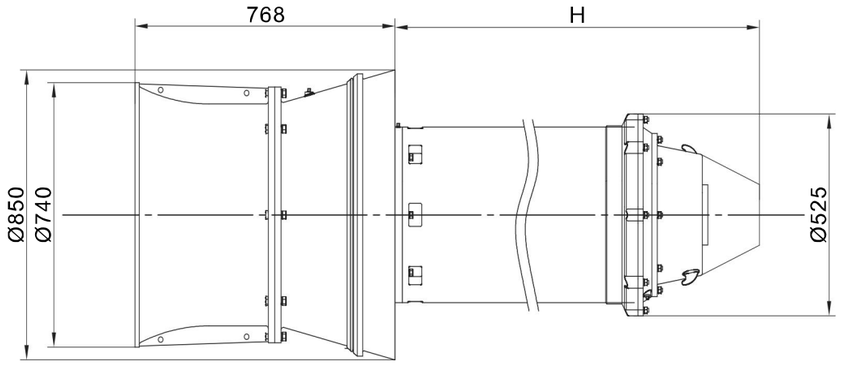
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	932 1271 1310	259 353 364	19.58 15.07 14.14	1450	64.17 63.65 61.98	75	80.62 85.30 84.85	333
-2°	1159 1343 1483	322 373 412	19.89 17.21 14.46		79.77 76.65 71.66	85	82.06 85.55 84.86	
0°	1314 1512 1656	365 420 460	20.15 17.52 14.82		89.86 87.57 82.47	110	83.52 85.60 84.37	
+2°	1523 1602 1843	423 445 512	20.54 19.50 15.25		104.4 103.4 95.58		84.98 85.60 83.29	
+4°	1688 1764 2009	469 490 558	20.89 19.86 15.68		117.2 116.1 108.6	130	85.25 85.60 82.22	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	1620 1731 1948	450 481 541	11.1 9.72 6.36	980	62.9 57.9 46.0	65	81.27 82.32 76.28	445
-2°	1854 1962 2171	515 545 603	11.4 9.98 6.64		72.2 66.4 53.3	80	82.75 83.70 76.57	
0°	2027 2146 2376	563 596 660	11.6 10.2 6.92		79.1 74.1 60.4	90	83.60 83.70 77.05	
+2°	2264 2394 2650	629 665 736	11.9 10.6 7.34		91.0 85.5 70.6	110	83.70 83.70 78.04	

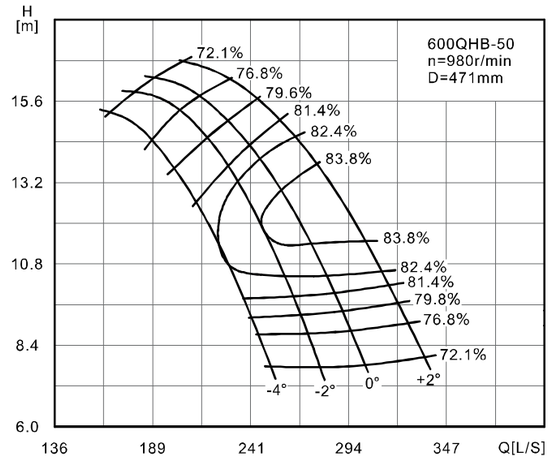
Dimension Drawing



600QHB-50	
Motor power (kW)	H(mm)
6-95	1450
6-115	1450
6-130	1650

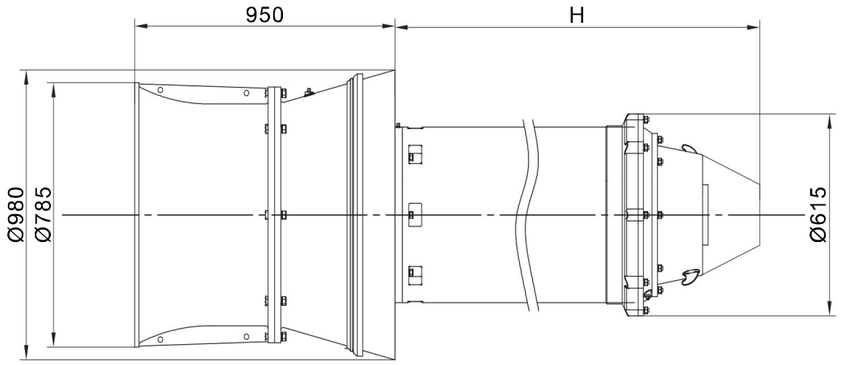
Applicable shaft size: 0.9-1m

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	1602 2088 2304	445 580 640	14.3 10.2 7.42	980	84.3 73.1 62.9	95	77.0 82.5 77.0	471
-2°	1710 2322 2574	475 645 751	15.2 11.0 7.5		95.6 87.2 71.0	115	77.0 83.0 77.0	
0°	1847 2459 2844	513 683 790	15.9 12.0 7.65		108.0 99.6 80.0	130	77.0 83.9 77.0	
+2°	2052 2808 3186	570 780 885	16.8 12.0 7.9		126.8 113.7 92.6		77.0 83.9 77.0	

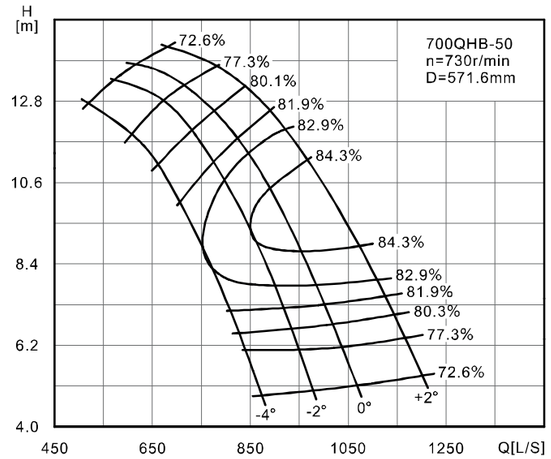
Dimension Drawing



700QHB-50	
Motor power (kW)	H(mm)
8-110	1900
8-130	1900
8-155	2000
700QHB-50A	
6-65	1280
6-75	1280
6-80	1450
6-90	1450

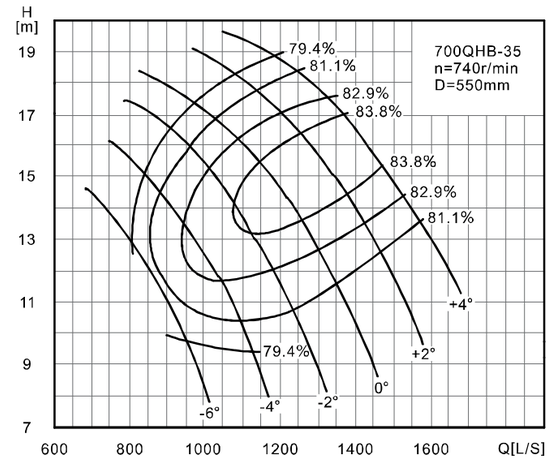
Applicable shaft size: 1.1-1.2m

Performance curve



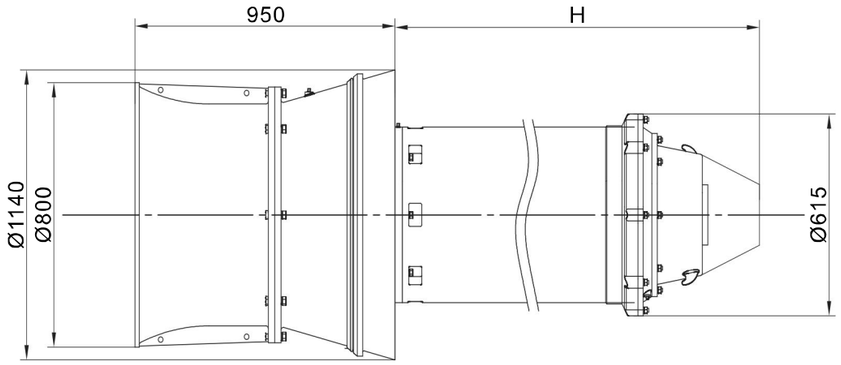
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	2531 2725 3060	703 757 850	10.3 8.96 5.89	730	90.9 83.5 66.6	110	81.58 82.9 76.82	571.6
-2°	2902 3092 3420	806 859 950	10.6 9.21 6.16		105.0 95.7 77.0		82.91 84.3 77.64	
0°	3164 3366 3733	879 935 1037	10.8 9.42 6.42		115.0 106.6 86.1	130	83.93 84.3 78.86	
+2°	3535 3758 4165	982 1044 1157	11.1 9.74 6.81		131.3 123.0 102.0	155	84.3 84.3 78.8	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	2923.1 3283.1 3458.6	812.0 912.0 960.7	12.82 11.03 9.67	740	128.7 122.4 114.9	160	79.4 80.6 79.4	550
-4°	3023.9 3679.4 3948.8	840.0 1022.0 1096.9	15.06 12.26 10.42		156.4 147.9 138.1	185	79.4 83.10 81.1	
-2°	3299.0 4075.6 4445.8	916.4 1132.1 1234.9	16.55 13.31 10.77		187.4 176 160.8	220	79.4 84.00 81.1	
0°	3518.6 4415.2 4868.1	977.4 1226.5 1352.2	17.33 14.29 11.60		209.4 204 189.6	250	79.4 84.30 81.10	
+2°	3904.7 4754.9 5299.4	1084.6 1320.8 1472.1	18.27 15.52 2.59		245 237.1 224	280	79.4 84.80 81.1	
+4°	4246.6 5094.6 5673.0	1179.6 1415.1 1575.8	18.83 16.20 13.54		274.6 266.80 258.00	315	79.40 84.30 81.10	

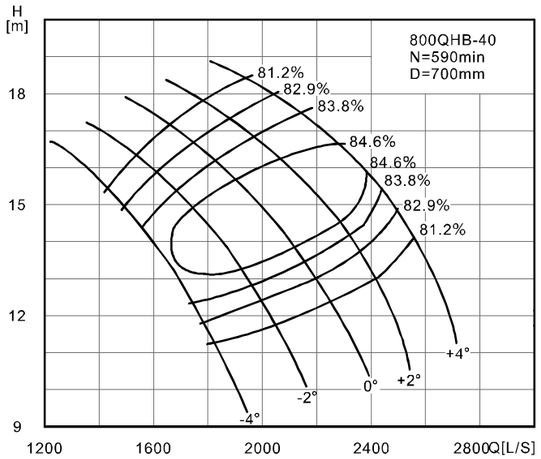
Dimension Drawing



Applicable shaft size: 1.2-1.4m

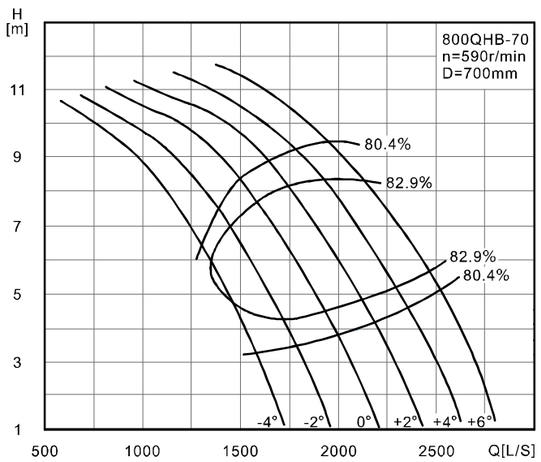
800QHB-40	
Motor power (kW)	H(mm)
315	2550
355	2550
400	3200
450	3400
500	3600
800QHB-70	
132	1900
160	2000
185	2150
200	2250
220	2250
250	2300

Performance curve



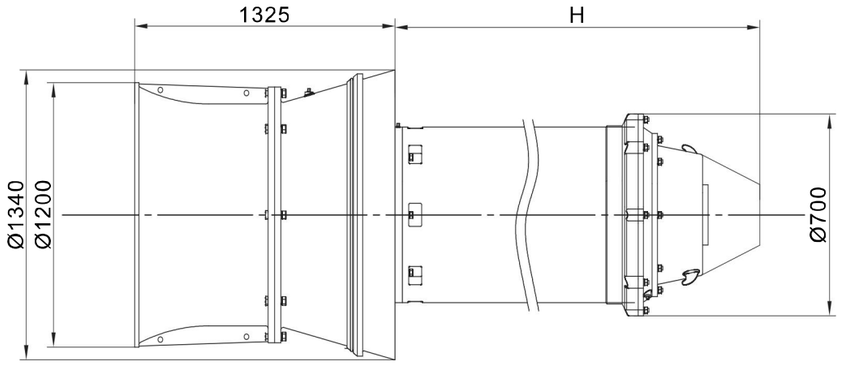
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	5197.4 6047.8 6594.9	1443.7 1680 1831.9	15.37 12.3 11.21	590	268 240.5 248.1	315	77.96 81.94 80.30	700
-2°	5581.9 6699.1 7393.3	1550.5 1860.9 2053.7	16.3 13.34 11.73		305.2 387.7 290.8	355	78.55 82.50 82.05	
0°	6040.6 7257.4 8129.0	1677.9 2015.9 2258.1	17.16 14.51 12.33		347.8 338 336.3	400	78.43 82.50 82.39	
+2°	6425.4 7815.7 8701.3	1784.8 2171 2417	17.78 15.50 13		383.1 386.2 379.4	450	78.17 82.50 81.88	
+4°	6989.8 8373.9 9229.2	1941.6 2326.1 2563.7	18.38 16.41 14.05		430.9 440.00 435.10	500	76.59 82.50 80.56	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	4224.2 4838.3 4987.1 5005.8 5545.4	1173.4 1344 1385.3 1390.5 1540.4	7.48 5.68 5.26 5.18 3.52	590	107.1 90.3 86.1 85.2 66.1	132	80.4 82.9 83.1 82.9 80.4	700
-2°	4633.6 5043 5564 6122.3 6345.6	1287.1 1400.8 1545.6 1700.6 1762.7	8.11 7.17 5.71 4.15 3.34		127.4 118.7 102.9 83.4 71.7	160	80.4 82.9 84.2 82.9 80.4	
0°	5266.3 5694.3 6401.4 6810.8 7052.7	1462.9 1581.7 1778.2 1891.9 1959.1	8.47 7.52 5.66 4.51 3.7		151.3 140.6 116.9 100.3 88.4	185	80.4 82.9 84.5 82.5 80.4	
+2°	5731.5 6066.4 6866.6 7611 7908.7	1592.1 1685.1 1907.4 2114.2 2196.9	9.02 8.38 6.49 4.51 3.79		175.3 167.1 143.0 112.7 101.5	200	80.4 82.9 84.9 82.9 80.4	
+4°	6252.5 6699.1 7517.9 8187.8 8560	1736.8 1860.9 2088.3 2274.4 2377.8	9.33 8.53 6.65 4.96 4.06		197.8 187.7 161.3 133.4 117.7	220	80.4 82.9 84.5 82.9 80.4	
+6°	6885.2 7443.5 7983.1 8746.1 8932.2	1912.6 2067.6 2217.5 2429.5 2481.2	9.46 8.29 7.34 5.59 5.05		220.9 202.8 189.6 160.6 152.9	250	80.4 82.9 84.2 82.9 80.4	

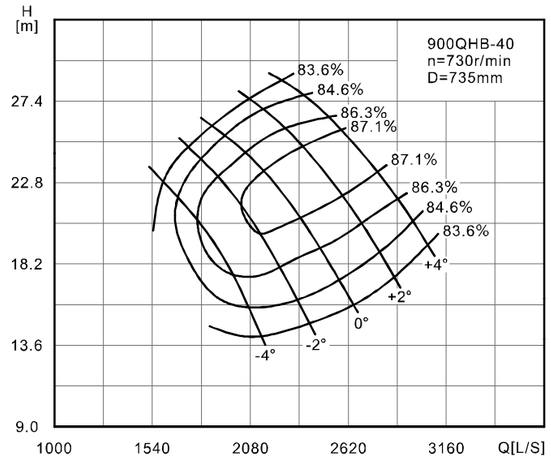
Dimension Drawing



Applicable shaft size: 1.4-1.5m

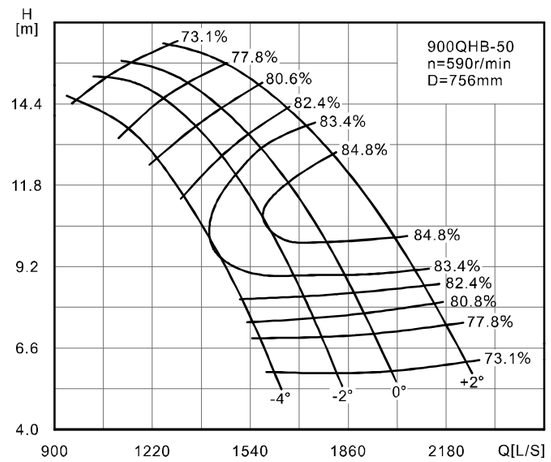
900QHB-40	
Motor power (kW)	H(mm)
480	3400
560	3600
700	3850
800	3950
900QHB-50	
260	2300
310	2550

Performance curve



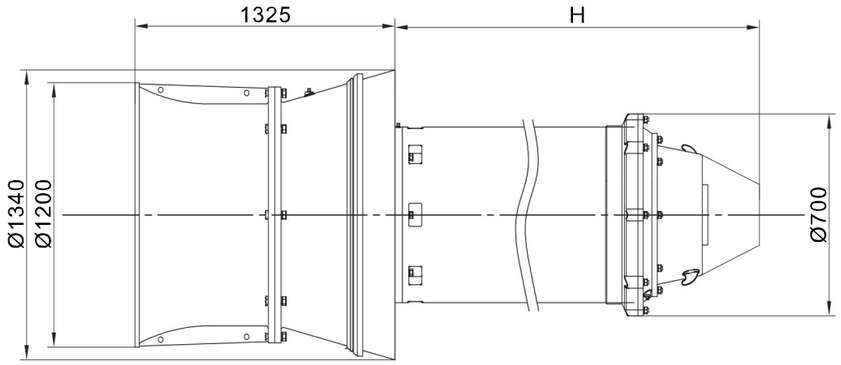
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	5652 6296 7387	1570 1749 2052	23.5 21.6 16.3	735	453.5 450.6 399.3	480	83.07 85.46 85.17	735
-2°	6678 7232 8348	1855 2009 2319	23.9 22.0 16.7		531.7 517.6 465.0	560	85.14 87.04 85.15	
0°	7509 8096 9277	2086 2249 2577	24.3 22.4 17.3		597.7 589.3 535.3	700	86.53 87.2 84.79	
+2°	8571 9115 10274	2381 2532 2854	24.9 23.0 17.9		692.6 680.4 619.9		87.17 87.2 84.0	
+4°	9464 10011 11185	2629 2781 3107	25.4 23.5 18.5		780.4 765.0 703.1	800	87.2 87.2 83.44	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	4597 5083 5731	1277 1412 1592	12.3 10.2 6.59	590	196.1 176.9 140.1	260	81.41 83.39 76.43	755.5
-2°	5296 5767 6408	1471 1602 1780	12.5 10.5 6.88		226.6 202.8 161.9		82.88 84.62 77.17	
0°	5782 6289 6995	1606 1747 1943	12.7 10.7 7.17		248.2 225.4 181.3		83.91 84.8 78.18	
+2°	6469 7024 7805	1797 1951 2168	13.0 11.1 7.6		282.8 260.1 208.9	310	84.39 84.8 78.96	

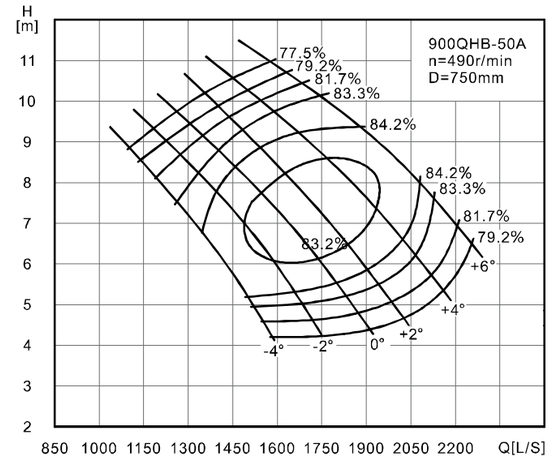
Dimension Drawing



900QHB-50A	
Motor power (kW)	H(mm)
155	2000
180	2150
250	2450
900QHB-50J	
132	2000
155	2000
180	2150

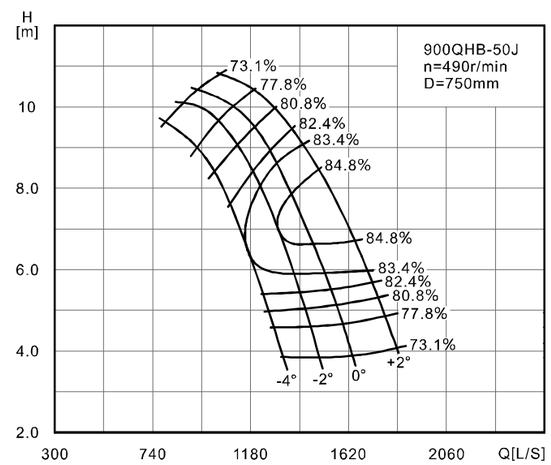
Applicable shaft size: 1.4-1.5m

Performance curve



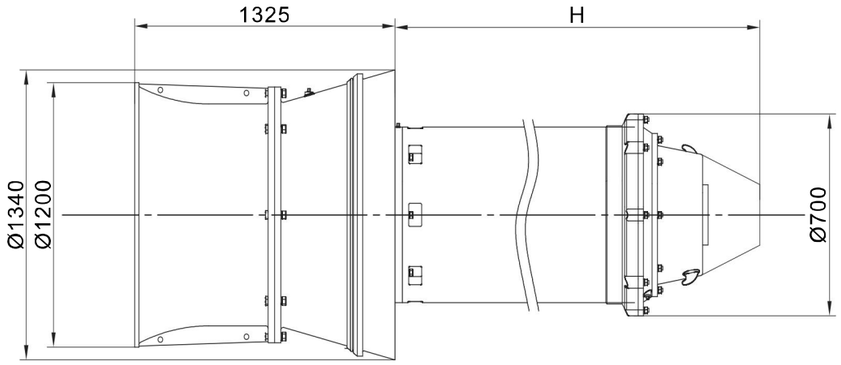
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	3790	1053	8.8	480	120	155	79.2	755.5
	5097	1416	6.0		103		84.2	
	5587	1552	4.3		83		81.7	
-2°	4500	1250	9.0		140		81.7	
	5400	1500	7.0		126		85.4	
	6300	1750	4.2		94		80.4	
0°	4500	1250	9.8		158	180	79.2	
	6016	1671	7.0		139		85.4	
	6678	1855	5.0		114		82.5	
+2°	4831	1342	10.1		175		79.4	
	6300	1750	7.5		157		85.4	
	7200	2000	5.1		128		81.7	
+4°	5587	1552	10.0		193	250	81.7	
	6861	1894	8.0		184		84.2	
	7765	2157	5.8		156		81.7	
+6°	6393	1776	10		216		84.0	
	7200	2000	8.8		213		84.2	
	8100	2250	6.9		193		81.7	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	2959	822	9.59	480	113.5	132	73.90	755.5
	4136	1149	6.76		97.69		83.40	
	4687	1302	4.24		76.08		76.28	
-2°	3654	1015	9.73		134.1	155	77.33	
	4698	1305	6.92		111.8		84.80	
	5245	1458	4.36		87.85		75.91	
0°	4054	1126	9.84		147.8		78.70	
	5134	1426	7.06		124.6		84.80	
	5749	1597	4.47		98.44		76.14	
+2°	4586	1274	9.98		166.2	180	80.38	
	5731	1592	7.27		143.3		84.80	
	6444	1790	4.64		114.5		76.18	

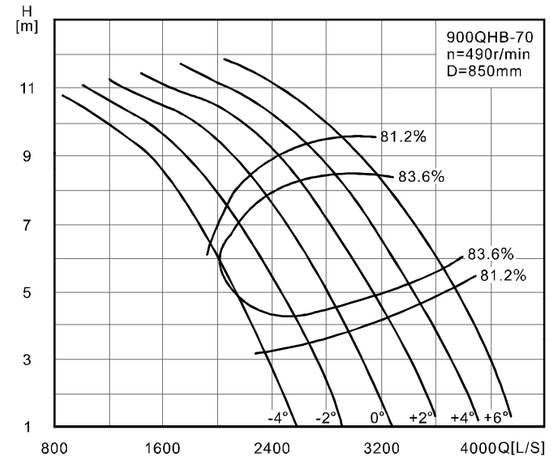
Dimension Drawing



900QHB-70	
Motor power (kW)	H(mm)
185	2150
220	2350
250	2450
315	2550
355	2550

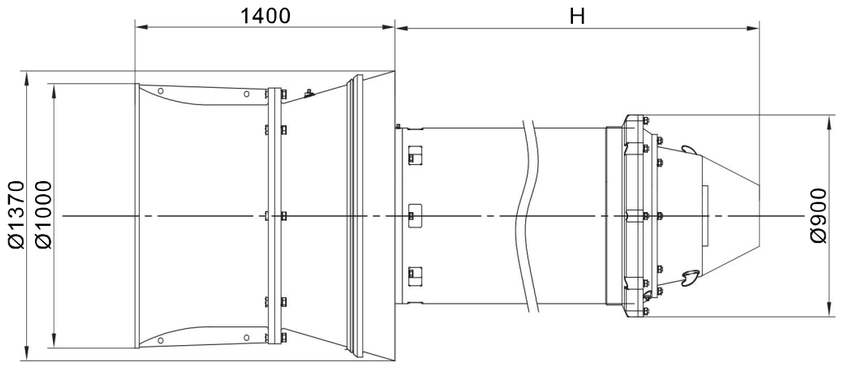
Applicable shaft size: 1.4-1.5m

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	6281.3	1744.8	7.61	490	160.5	185	81.2	850
	7194.4	1998.5	5.78		135.4		83.6	
	7415.8	2059.9	5.35		129.2		83.7	
	7443.5	2067.6	5.27		127.9		83.6	
	8245.9	2290.5	3.58		99		81.2	
-2°	6890.1	1913.9	8.25		190.9	220	81.2	
	7498.8	2083	7.29		178.1		83.6	
	8273.6	2298.2	5.81		154.5		84.8	
	9103.7	2528.8	4.22		125.1		83.6	
	9435.8	2621.1	3.39		107.5		81.2	
0°	7830.9	2175.2	8.62		226.6	250	81.2	
	8467.3	2352	7.65		211.0		83.6	
	9518.8	2644.1	5.76		175.5		85.1	
	10127.6	2813.2	4.58		151.3		83.6	
	10487.6	2913.1	3.76		132.3		81.2	
+2°	8522.6	2367.4	9.18		262.6	315	81.2	
	9020.7	2505.8	8.53		250.6		83.6	
	10210.6	2836.3	6.6		214.8		85.5	
	11317.4	3143.7	4.58		169.1		83.6	
	11760.1	3266.7	3.85		152.0		81.2	
+4°	9297.4	2582.6	9.49		296.2	355	81.2	
	9961.5	2767.1	8.67		281.5		83.6	
	11179.1	3105.3	6.77		242.2		85.1	
	12175.2	3382	5.04		200.1		83.6	
	12728.6	3535.7	4.13		176.3		81.2	
+6°	10238.2	2844	9.63		330.9	355	81.2	
	11068.4	3074.5	8.43		304.2		83.6	
	11870.8	3297.5	7.46		284.6		84.8	
	13005.3	3612.5	5.68		240.9		83.6	
	13282	3689.5	5.13		228.9		81.2	

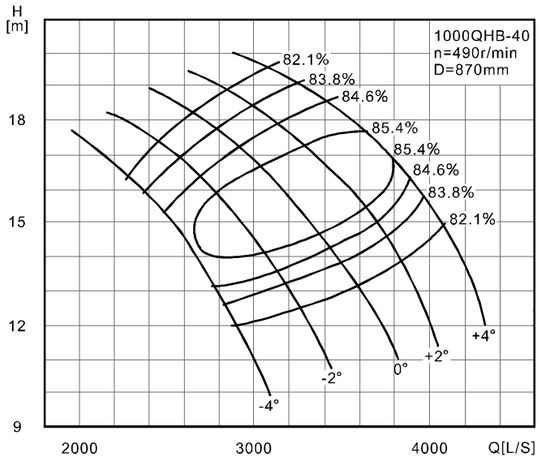
Dimension Drawing



Applicable shaft size: 1.4-1.5m

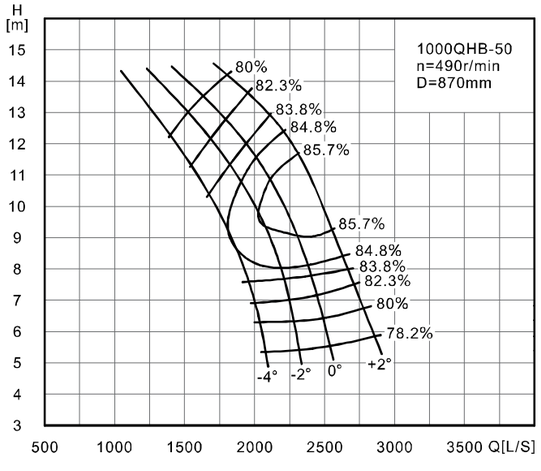
1000QHB-40	
Motor power (kW)	H(mm)
500	3600
560	3600
630	3700
710	3850
800	3950
1000QHB-50	
280	2650
315	2850
355	3000
250	2450

Performance curve



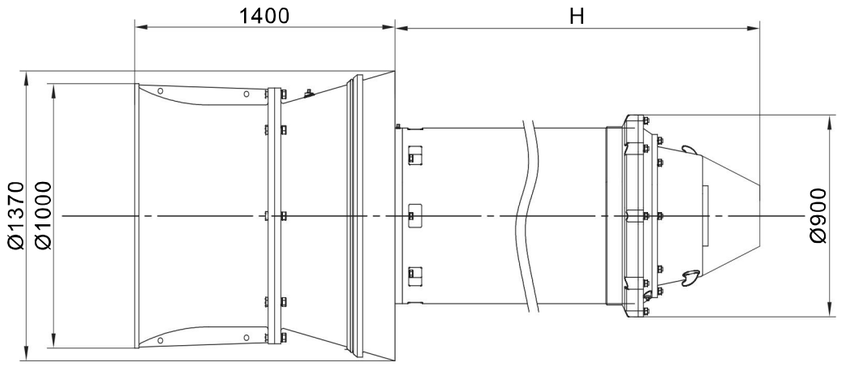
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	8287.0 9642.9 10515.2	2301.9 2678.6 2920.9	16.37 13.11 11.95		450.1 404.9 416.7	500	82.1 85.1 82.1	
-2°	8900 10681.4 11788.1	2472.2 2967 3274.5	17.36 14.21 12.49		512.6 484.5 488.6	560	82.1 85.4 82.1	
0°	9631.3 11571.5 12961.3	2675.4 3214.3 3600.3	18.29 15.46 13.14	490	584.2 569.3 564.9	630	82.1 85.6 82.1	870
+2°	10244.9 12461.6 13873.6	2845.8 3461.6 3853.8	18.94 16.52 13.85		643.6 650.7 637.4	710	82.1 86.2 82.1	
+4°	11144.8 13351.7 14715.4	3095.8 3708.8 4087.6	19.58 17.48 14.97		724.0 741.2 730.9	800	82.1 85.8 82.1	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	5006 6565 7221	1390 1824 2066	12.3 8.8 6.3		206.8 183.3 153.4	250	80.0 84.6 80.0	
-2°	5498 7385 8124	1527 2052 2257	13 9.5 6.4		240.1 219.9 175.0	280	80.0 85.7 80.0	
0°	5908 7878 8945	1641 2188 2485	13.5 10.0 6.5	490	268.5 249.8 195.3	315	80.0 85.7 80.0	
+2°	6483 8698 9847	1801 2416 2735	14.3 10.5 6.8		311.8 287.8 223.8	355	80.0 85.7 80.0	

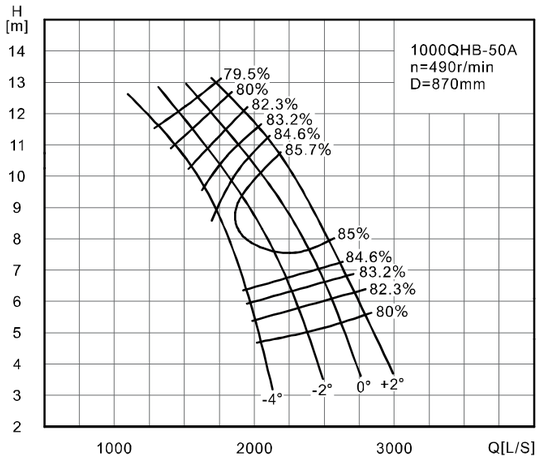
Dimension Drawing



Applicable shaft size: 1.4-1.5m

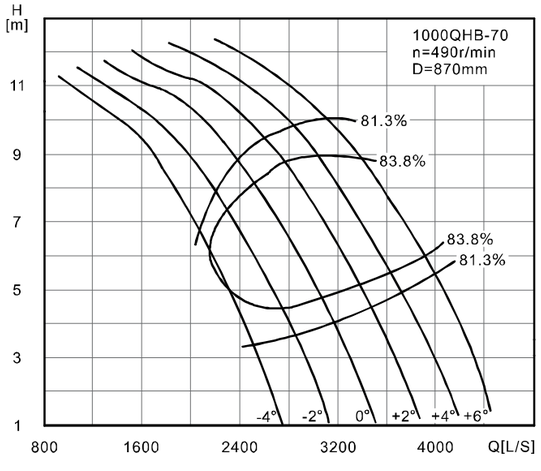
1000QHB-50A	
Motor power (kW)	H(mm)
220	2250
250	2450
280	2650
315	2850
1000QHB-70	
200	2250
250	2450
280	2650
315	2850
400	3200

Performance curve



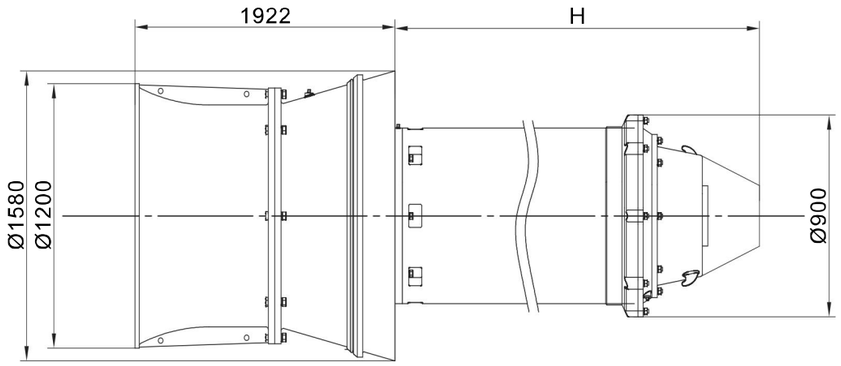
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	5316 6565 7550	1477 1824 2098	10.97 7.90 3.07		198.5 166.9 79.0	220	80.0 84.60 80.0	
-2°	5580 7385 8534	1550 2052 2371	11.62 8.33 5.09		220.9 195.7 147.9	250	80.0 85.7 80.0	
0°	6072 7960 9355	1687 2211 2599	12.11 8.77 5.31	490	250.4 222.0 169.1	280	80.0 85.7 80.0	
+2°	6565 8370 10011	1824 2325 2781	12.54 9.65 5.61		280.5 256.8 191.5	315	80.0 85.7 80.0	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	6735.2 7714.3 7951.7 7981.4 8841.8	1870.9 2142.9 2208.8 2217 2456.1	7.97 6.05 5.61 5.52 3.75		179.9 151.8 144.9 143.4 111	200	81.3 83.8 83.9 83.8 81.3	
-2°	7387.9 8040.7 8871.5 9761.6 10117.6	2052.2 2233.5 2464.3 2711.6 2810.5	8.64 7.64 6.09 4.42 3.55		8.64 7.64 6.1 4.4 3.55	250	81.3 83.8 85 83.8 81.3	
0°	8396.7 9079.2 10206.6 10859.4 11245.1	2332.4 2522 2835.2 3016.5 3123.6	9.03 8.01 6.03 4.8 3.94		254 236.6 196.8 169.6 148.3	280	81.3 83.8 85.2 83.8 81.3	
+2°	9138.5 9672.6 10948.4 12135.2 12610	2538.5 2686.8 3041.2 3370.9 3502.8	9.61 8.93 6.91 4.80 4.03	490	294.3 281.0 240.9 189.6 170.4	315	81.3 83.8 85.6 83.8 81.3	870
+4°	9969.3 10681.4 11986.9 13055 13648.4	2769.2 2967 3329.7 3626.4 3791.2	9.94 9.09 7.09 5.28 4.32		332.0 315.7 271.6 224.3 197.6	400	81.3 83.8 85.2 83.8 81.3	
+6°	10978.1 11868.2 12728.6 13945.1 14241.8	3049.5 3296.7 3535.7 3873.6 3956.1	10.08 8.84 7.82 5.95 5.38		370.9 341.1 319.2 270.1 256.6		81.3 83.8 84.9 83.8 81.3	

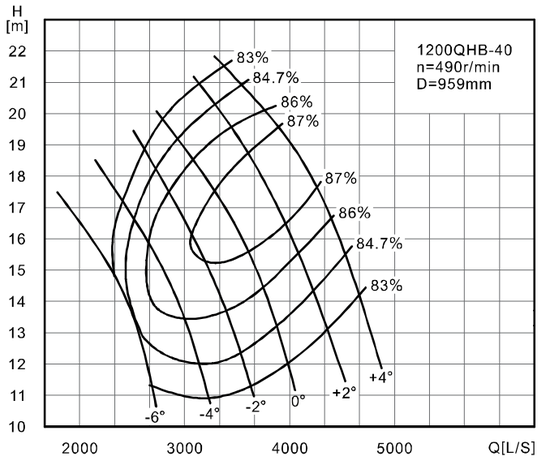
Dimension Drawing



Applicable shaft size: 1.6-1.8m

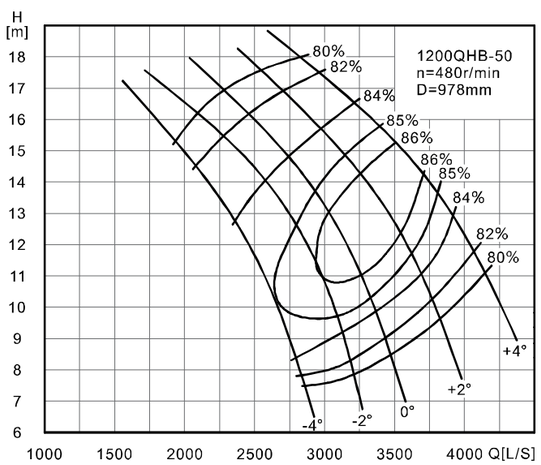
1200QHB-40	
Motor power (kW)	H(mm)
400	3200
630	3700
700	3850
850	3950
900	3950
1200QHB-50	
400	3200
520	3600
600	3700

Performance curve



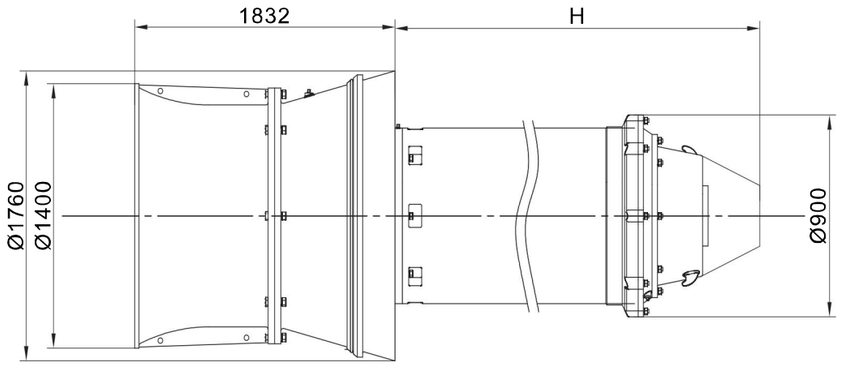
Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-6°	8388 9288 9828	2330 3580 2730	4.9 3 1.2	485	409 391 361	400	83 84 83	969.5
-4°	8820 10332 11808	2450 2870 3280	17.3 14.5 10.9		500.6 474 422	630	83 86 83	
-2°	9540 11520 13140	2650 3200 36500	19 15.5 11.30		595 559 485	630	83 87 83	
0°	10140 12492 14400	2817 3470 4000	19.90 16.6 12.2		662.2 649 574	700	83 87 83	
+2°	11221 13608 15732	3117 3780 4370	21 17.7 13.2		773 754 681	850	83 87 83	
+4°	12240 14760 16812	3400 4100 4670	21.7 18.5 14.30		869 856 789	900	83 87 83	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	7236 8701 9918	2010 2417 2755	15.0 12.0 9.2	480	364.9 337.3 291.6	400	81.0 84.3 85.2	978.6
-2°	8305 10440 11318	23.07 2900 3144	15.2 11.3 8.40		420.5 372.6 317.0		81.8 86.2 81.7	
0°	9720 11326 12420	2700 3146 3450	15.0 12.0 9.0		474.4 428.2 373.5	520	83.7 86.4 81.5	
+2°	10469 11912 12874	2908 3309 3576	16.1 14.2 12.2		547.7 527.4 490	600	83.8 87.2 86.9	

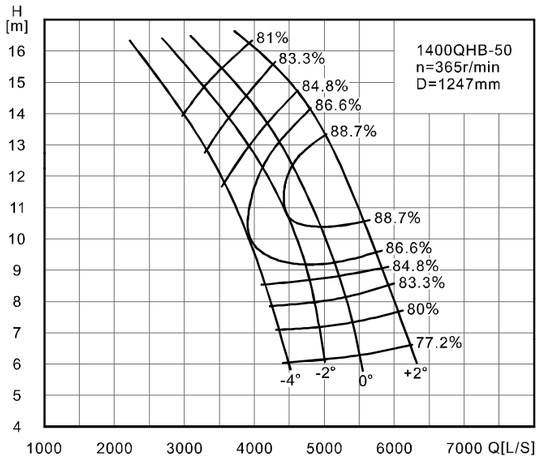
Dimension Drawing



Applicable shaft size: 1.8-2m

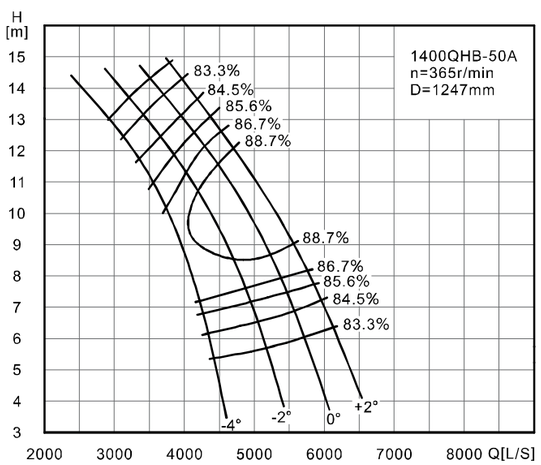
1400QHB-50	
Motor power (kW)	H(mm)
630	3700
800	3950
1400QHB-50A	
500	3600
630	3700
800	3950

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	10980 14400 15840	3050 4000 4400	14 10 7.2	365	516.8 458.1 383	630	81 85.6 81	1247
-2°	12060 16200 17820	3350 4500 4950	14.8 10.8 7.3		600 549.5 437		81 86.7 81	
0°	12960 17280 19620	3600 4800 5450	15.4 11.5 7.4		671 624.2 488	800	81 86.7 81	
+2°	14220 19080 21600	3950 5300 6000	16.3 12 7.7		776.9 719.2 552.9		81 86.7 81	

Performance curve



Mounting angle of blade	Flow rate (Q)		Head	Speed	Power (kW)		Efficiency	Impeller diameter
	(m^3/h)	(L/S)	H (m)	n (r/min)	Shaft power	Motor power	η (%)	D(m)
-4°	11660 14400 16560	3100 4000 4600	12.5 9.0 3.5	365	469.0 412.3 306.2	500	81.0 85.6 81.0	1247
-2°	12240 16200 18720	3400 4500 5200	13.25 9.5 5.8		545.3 483.4 365.0	630	81.0 86.7 81.0	
0°	13320 17460 20520	3700 4850 5700	13.8 10.0 6.05		618.0 548.4 417.4		81.0 86.7 81.0	
+2°	14400 18360 21960	4000 5100 6100	14.3 11.0 6.4		692.3 634.4 472.5	800	81.0 86.7 81.0	