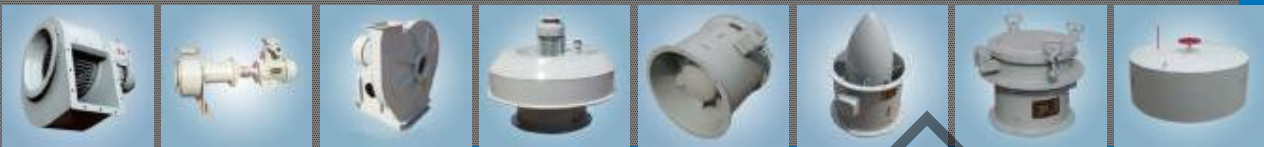




船用通风机



上海船舶设备研究所设计

DESIGNED BY SHANGHAI MARINE EQUIPMENT RESEARCH INSTITUTE EQU

青岛海纳特船舶设备制造有限公司制造

QINGDAO HENET MARINE EQUIPMENT MANUFACTURE Co., Ltd WORKS

公司简介: Company profile

青岛海纳特船舶设备制造有限公司位于青岛市城阳区玉皇岭工业园，是从事船用通风机、船用菌型通风筒、船用舾装件、管路附件、船用钢制蒸汽散热器等产品的设计与生产制造的专业化公司。

我公司技术力量雄厚，拥有优秀的船用通风机设计、生产团队和先进的工艺设备及完善的检测手段。公司已经通过ISO9001质量体系认证，并以此为依托建立了包括产品设计、开发、材料采购、生产、检验、销售和售后服务全过程的质量保证体系。

我公司生产的CBL、CBZ、JCL(CLQ)、JCZ(CZ)等系列舰船用防爆离心、轴流通风机；舰船用离心、轴流通风机是由中国船舶工业总公司上海船舶设备研究所设计，并经过专家鉴定，达到国内先进水平。产品具有效率高、噪声低、运转平稳可靠等特点，能满足各种舰船使用要求，广泛使用于各种舰船舱室的通风换气。防爆风机适用于各种防爆场所的通风换气，也适用于其它相适用的场合。我公司船用产品先后取得了CCS、DNV、BV、GL、LR、ABS、NK、RINA、KR等船级社认可，产品销往国内外各船厂。本公司热诚欢迎社会各界新老朋友光临指导、携手合作！

董事长刘绍林致辞：

衷心感谢关爱和支持海纳特发展的各界朋友！

青岛海纳特船舶设备制造有限公司坚持“以质量占市场，靠诚信交朋友”的企业宗旨，坚持“诚信、创新、发展、双赢”的经营理念。

真诚与信任是我们的基石，我们将会珍惜你们对本公司的信任，更会以十二分的真诚回馈。

“海纳百川”，我们坚信，勤奋、进取、勇于创新的海纳特人，将在蔚蓝的大海上书写航海工业更新更美的篇章。

Qingdao Henet Marine Equipment Manufacture Co., Ltd, located at the Yuhuangling Industrial Park, Chengyang District, Qingdao City, is a specialized company engaging in design and manufacture of products such as marine fans, fungus-shaped ventilation canister for marine use, marine fittings, pipe accessories, and steel-made steam radiator for marine use.

Our company has excellent marine fans design and production team and relevant advanced process equipment and perfect test skills, which helps us to form strong technical power. We have been certified by ISO9001 Quality Management System, by which our company has established the full process quality guarantee system covering product design, development, material purchase, production, inspection, sale and after-sale service.

The marine explosion-proof centrifugal and axial flow fans such as CBL, CBZ, JCL(CLQ), JCZ(CZ) etc. manufactured by our company are all designed by Shanghai Marine Equipment Research Institute of China National Shipbuilding Corporation and accredited by relevant experts up to domestic advanced level. These products feature high efficiency, low noise, stable operation, and high reliability, which could meet the requirements of various ships. Therefore, the products are widely applied to air change of ship cabins. The explosion-proof fans are applicable to other proper sites as well as air change of explosion-proof sites.

The products of our company have obtained the recognition of many Classification Societies such as CCS, DNV, BV, GL, LR, ABS, NK, RINA, KR and are sold to many shipbuilding plants at home and abroad.

Any individuals or organizations are welcome to us for exchange or cooperation!

Speech delivered by President Liu Shaolin :

Thank you for your support for our development!

Qingdao Henet Marine Equipment Manufacture Co., Ltd persists in the principles of “Occupy the market with top quality and make friends with honesty” and strictly adheres to management philosophy of “Integrity, Innovation, Development and Double Win”.

We know the sincerity and trust is the cornerstone for our cooperation and we will try more to reward you for your trust.

As a saying goes like “all rivers run into the sea”, we firmly believe that the enterprising and brave staff will open a new chapter in the development of shipbuilding industry.

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舰船用通风机基本技术条件概述 Basic technical conditions for marine or navy fans

一、舰船用通用机的设计与制造符合以下船级社船舶规范:

- 1.CCS中国船级社
- 2.NK日本海事协会
- 3.LR英国劳氏船级社
- 4.KR韩国船级社
- 5.ABS美国船级社
- 6.DNV挪威船级社
- 7.BV法国船级社
- 8.GL德国劳氏船级社
- 9.RINA意大利船级社

二、基本技术条件

1.1.通风机性能选用基本工况及适用条件

本样本所列参数是指在标准大气状况(大气压力101325pa, 温度20 C, 相对湿度50%, 气体密度1.2kg/m³)下的空气性能。

实际的气体状况和转速与参数表中所列不同时, 通风机性能可按以下各式换算。

$$Q=Q_0 \frac{n}{n_0} \quad (\text{m}^3/\text{h})$$

$$P=P_0 \left(\frac{n}{n_0} \right)^2 \frac{\rho}{\rho_0} \quad (\text{Pa})$$

$$N=N_0 \left(\frac{n}{n_0} \right)^3 \frac{\rho}{\rho_0} \quad (\text{KW})$$

1.2.通风机适用条件

通风机可输送空气; 含有盐雾的海洋空气和含有油雾等的腐蚀性空气。

通风机满足有关的舰船标准和规范要求。

通风机可以在以下条件长期正常地工作:

环境温度: -25 C ~ +55 C (+50 C)

最大相对湿度: ≤ 95%

横摇: ± 45° (周期8 ~ 12S)

纵摇: ± 15° (周期5 ~ 7S)

横倾: ± 15°

纵倾: ± 10°

振动: 有

冲击: 有

1.3.防爆通风机

防爆通风机的防爆标志 ExdIIBT4, ExdIICT4, ExdIICT5, ExdIICT6。

爆炸危险性混合物的级别按其传爆能力划分; 组别系按其引燃温度划分。

防爆通风机爆炸性混合物的分级, 分级实例

| 组别 级别 grades | T ₁ (t ≤ 450°C) | T ₂ (t ≤ 300°C) | T ₃ (t ≤ 200°C) | T ₄ (t ≤ 135°C) | T ₅ (t ≤ 100°C) | T ₆ (t ≤ 85°C) |
|--------------------|--|---|---|--|-------------------------------|---|
| II A | 甲烷 methane 乙烷 ethane 丙烷 propane 甲苯 toluene 醋酸 acetic acid 丙酮 acetone 一氧化碳 carbon monoxide 苯 | 醋酸乙酯 ethyl acetate 甲醇 methanol 乙醇 ethanol 乙苯 ethylbenzene 二氯乙烷 dichloroethane | 石油 petroleum 车用汽油 gasoline 燃料油 fuel oil 煤油 kerosene 柴油 diesel oil 松节油 turpentine | 乙醛 acetaldehyde 三甲胺 trimethylamine | | |
| II B | 焦炉煤气 gas form coking coal 氰化氢 cyanohydrogen 环丙烷 naphthene 丙炔 alkyne | 环氧乙烷 epoxyethane 乙烯 ethylene 丙烯酸甲酯 acrylies | 硫化氢 vulcanized oxygen 四氢呋喃 tetrahydrofuran 二甲醚 ether | 四氟乙烯 fluon 二乙醚 diether 乙基甲基醚 ethyl ether | | |
| II C | 氢气 hydrogen 水煤气 water gas | 乙炔 acetylene | | | 二硫化碳 carbon disulfide | 硝酸乙酯 ethyl nitrate 亚硝酸乙酯 nitrous acid ethylester |

(1) The design and manufacture of marine or navy fans are in conformity with the specification of the following ship classification societies;

1. CCS China Classification Society
2. NK
3. LR
4. KR
5. ABS
6. DNV
7. BV Bureau Veritas
8. GL Germanischer conditions
9. RINA Register Italiano Navale

(2) Basic technical conditions

1.1. Fan performance selects basic working conditions and applicable conditions
The parameters shown in the book are the air performance under standard atmospheric conditions (atmospheric pressure 101325Pa, temperature 20°C, relative humidity 50%, air density 1.2kg/m³).

When the actual condition and revolution are different from the parameters table, fan performance can be calculated as following.

$$Q=Q_0 \frac{n}{n_0} \quad (\text{m}^3/\text{h})$$

$$P=P_0 \left(\frac{n}{n_0} \right)^2 \frac{\rho}{\rho_0} \quad (\text{Pa})$$

$$N=N_0 \left(\frac{n}{n_0} \right)^3 \frac{\rho}{\rho_0} \quad (\text{KW})$$

1.2. Fan applicable conditions

Fans can convey air, sea air containing salt vapor and corrosive air containing oil vapor.

Fans can meet relative navy or marine standard and regulations.

Fans can make working regularly at the following terms:

ambient temperature: -25°C ~ +55°C (+50°C)

max. relative humidity: 95%

horizontal rolling: ±45° (cycle 8~12S);

vertical rolling: ±15° (cycle 5~7S);

horizontal tilting: ±15°

vertical tilting ±10°

Vibration: existing

shock: existing

1.3 Explosion-proof fan

Explosion-proof mark of explosion-proof fan is ExdIIBT4, ExdIICT4, ExdIICT5, ExdIICT6.

Dangerous explosive mixtures are graded according to their ability of spreading explosion; they are grouped according to their ignition temperature.

Grading and grouping of dangerous explosive mixtures.

2. 通风机安装型式

2.1 离心通风机安装型式

通风机为卧式，电动机直联结构，需要时也可制成立式结构。

通风机可制成顺时针转(右转)或逆时针转(左转)。右转——从电动机端正视，叶轮按顺时针方向旋转，以“R”表示。左转——从电动机端正视，叶轮按逆时针方向旋转，以“L”表示。

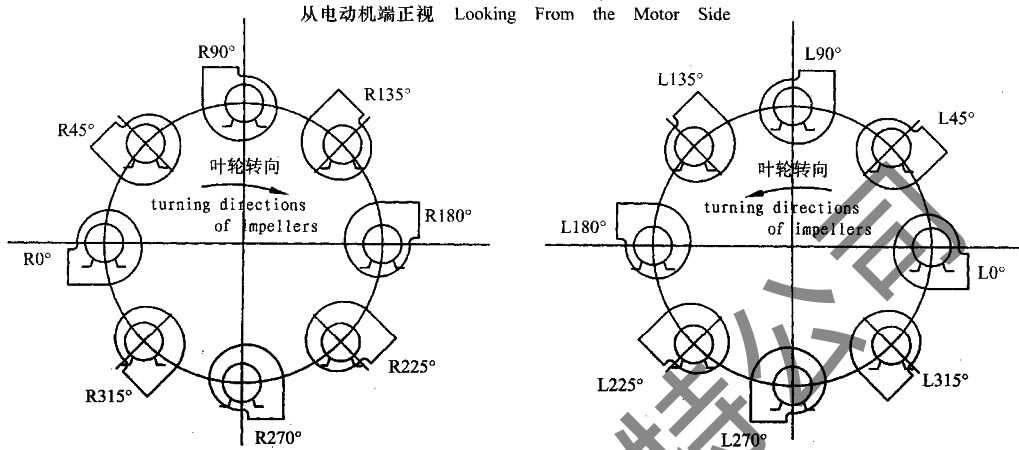
通风机出风口位置按叶轮转向制成如下图所示的几种基本形式。

2. Installation type for fan

2.1 Installation type for centrifugal fan

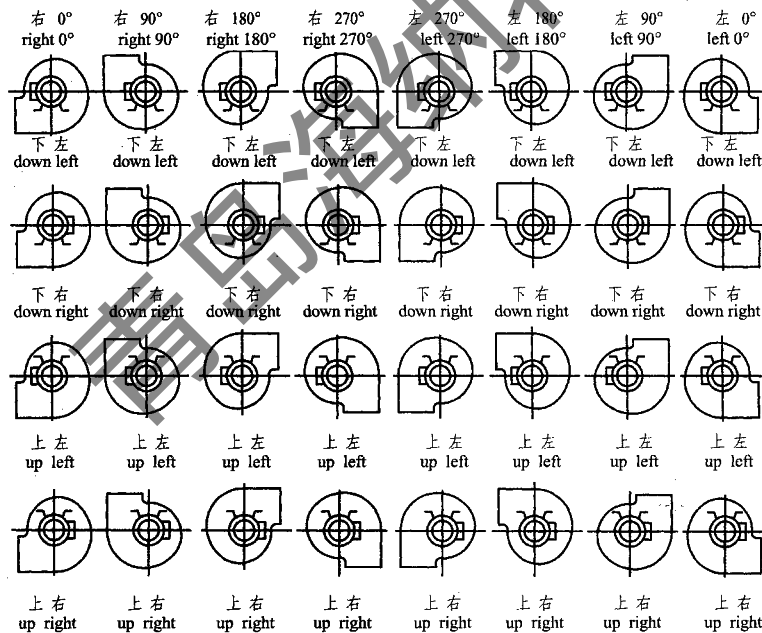
The fan is horizontal type, motor is direct coupling. If necessary, it can also be constructed into a vertical type.

The fan can be made for clockwise (right) or counter clockwise (left) rotation. Right rotation —— viewed from the motor side, the impeller rotates clockwise and indicated as "R". Left rotation —— viewed from the motor side, the impeller rotates counter clockwise and indicated as "L". According to the rotating direction, the outlet position of fan are made for following structures.



2.1.1 离心通风机与电动机安装示意图如下：

2.1.1 Mounting indication drawing of centrifugal fan and motor :



注：图中的“上、下”即表示电动机底座脚向上或向下。“左、右”即表示电动机接线盒在机体的左边或右边。
note: "up or down", indicates that motor foot is upward or downward. "left or right" indicates that terminal box is left or right to the motor

2.1.2 防爆离心通风机

防爆离心通风机可制成 I 型卧式、II 型隔舱式两种结构：

I 型为卧式，电动机直联结构，需要时也可制成立式结构。

II 型为隔舱室结构，它由通风机、传动组、联轴器和电机组成。

2.1.2 Explosion-proof centrifugal fan

The explosion-proof centrifugal fan can be made into two structural types, type I and type II.

The type I is in horizontal pattern with direct coupling for the motor, however, it can also be constructed into a vertical pattern.

The type II is in separate cabin pattern, made up of fan, driving device, coupling and motor.

2.2 轴流通风机安装型式

通风机制成从电动机端正视，叶轮按顺时针方向旋转。

通风机一般情况下为立式结构，根据需要也可制成卧式带机架结构。

2.2.1 防爆轴流通风机

防爆轴流通风机可制成I型甲板式、II型管道式两种结构：

I型甲板式带有风帽，防爆电机装在机架上部，整机立式安装在甲板上。

II型管道式不带风帽，可立式或卧式安装，也可装在甲板上。

3、通风机防护等级

外壳防护主要是防人体触电或接近壳内带电部分或转动部件，防固体异物进入和防止由于进水、油等而引起有害影响，符合GB4942及IEC34-5规定。防护形式的代号及含义如下表：

| 代号 code | 含义 meaning | 第一位数字 initial No. | 含义 meaning | 第二位数字 second No. | 含义 meaning |
|---------|------------------------------------|-------------------|----------------------------------|------------------|------------------|
| IP | 国际防护形式 international protection | 4 | 防大于 1mm 固体 >1 mm solid object | 4 | 防溅水 splash water |
| | | 5 | 防尘 dust | 5 | 防喷水 spray water |
| | | | | 6 | 防海浪 sea tide |

4.绝缘等级及温升极限

通风机电机为了可靠运行，在带电部件及壳体之间或带电部件之间需要用绝缘材料加以隔离，而绝缘材料的使用寿命与其材料本身的绝缘等级及使用温度有很大的关系。电机作为一个能量转换或信号转换元件，在运转过程中本身存在着能量损耗，有部分能量损耗造成自身温度升高，在一般状态下，绝缘材料等级、承受最高使用极限温度、用电阻法测量电机的温升限值之间符合下表的规定，在此温升限值内电机应能正常工作。符合 GB755 和 IEC34-1 规定。

| 绝缘等级 insulation grade | 使用极限温度 temp limit | 温升限值 limit of temp rise |
|-----------------------|-------------------|-------------------------|
| E | 120℃ | 75k |
| B | 130℃ | 80k |
| F | 155℃ | 105k |
| H | 180℃ | 125k |

三、常用计算单位

风量: m³/h , m³/min, m³/s

风压: mmH₂O , mmAq

功率: KW, W

备注: 1mm H₂O=9.807Pa

四、性能容差范围

通风机标准流量下的全压值，允许差为-5%~+15%

2.2 Installation type of axial fan

Viewed from the motor side , the impeller rotates clockwise.

In general, fan 15 vertica structure, and if necessary it can also be made in horizontal structure wiht frame.

2.2.1 Explosion-proof axial fan

The explosion-proof axial fan can be made into two Structure types , type I (deck type) and typen (tube type) :

Type I has a hood and an explosion-proof motor installed on the top of the frame, The fan is vertically fixed on the deck .

Type II has no hood. It can be installed vertically or horizontally, and can also be installed on the deck .

3 . Protection class of fan

The main function is to prevent man from damage of electricity or rolling and or to prevent solid object, water , Oil from entering It conforms to GB4942 and IEC34-5

4. Insulation class and limit of temperature rise

It is necessary to separste with insulation material between electric parts and casing. Life of insulation material with insulation degree of its material and temperature have very closed relations. The motor is a element to conversion the energy and signal. The motor consume energy itself during its running. Temperature rising is caused by energy consumption. Normally insulation degree and limit of temperature rise in method of resistance check are according with the following table. It is according to GB755 and IEC34-1

(3) Common measurement units

air Volume: m³/h , m³/min, m³/s

air pressure: mmH₂O , mmAq

power : KW, W

remark: 1mm H₂O=9.807Pa

(4) Tolerance

Under standard flow volume, full pressure value of fan , the tolerance is 15%~+15%.

JCZ 系列舰船用轴流通风机 JCZ series marine or navy axial fans

一、概述

JCZ系列舰船用轴流通风机(以下简称“通风机”)可输送空气,含有盐雾的海洋空气和含有油雾、蓄电池自然蒸发形成的少量酸蒸气等腐蚀性空气。通风机适用于船舶上各种舱室的通风换气、锅炉通风,也可适用于其他适当的场合。

通风机是按照国标GB/T11864-2008《舰船用轴流通风机》和现行的《船舶建造规范》设计制造的。

二、特点

机壳可制成开启式、可逆转、防腐性能好、抗摇摆、振动和冲击性能强。

三、结构型式

通风机制成电动机置于机壳内的结构,叶轮直接安装在电动机轴上。

叶轮由防腐铝合金浇铸制成,机壳采用普通钢质材料焊接而成。

机壳可根据需要制成整体式或沿轴向开启式。开启式机壳是将叶轮和电动机装在可开启的半机壳上,故便于现场检修和更换零部件。

通风机可配有380V,415V,50Hz或440V,60Hz舰船用交流电动机。

四、型号说明

1.General

JCZ series marine or navy axial fans (hereafter called the fan) are capable of blowing air,ocean air containing salt vapor,and corrosive air which contains oil vapor and a small quantity of acid steam generated by the natural evaporation of the batteries.They are suitable for cabin air ventilating and exchanging as well as boiler ventilation on ocean-going vessels.they are also applicable in other places that suit.

The fan is designed and manufactured according to GB/T11864-2008 «Marine Axial Fan» and the current «Ship Building Norms».

2.Features

The casing can be opened,reverse,good anti-corrosive, strong anti-swing,vibration-proof and shock resistant.

3.Structure

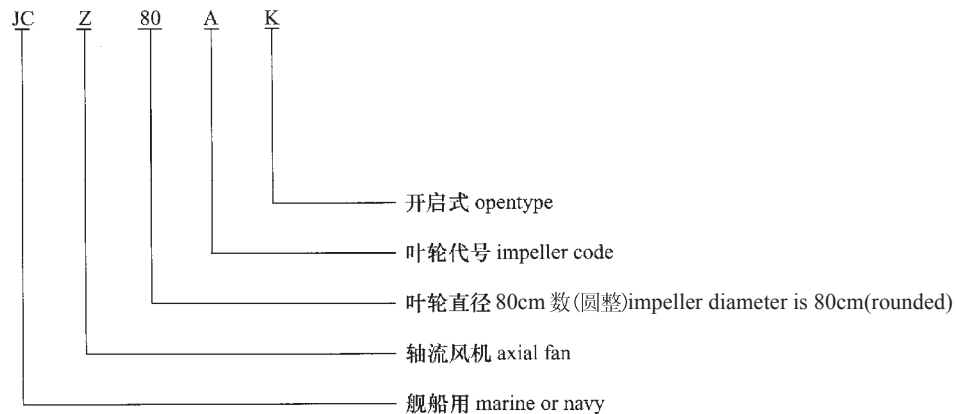
The fan is manufactured with a built-in casing motor structure.The impeller is directly mounted on the motor shaft.

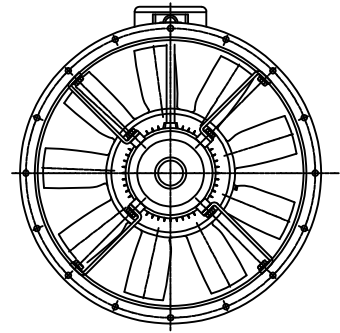
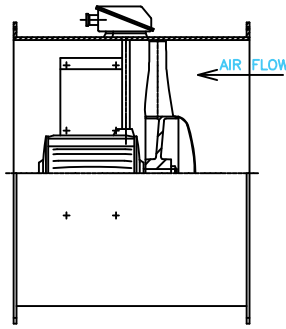
The impeller is made of anti-corrosive cast auminium alloy while the casing is made of welded common steel.

As desired, the casing can either be made into an integral one or an open type along the axial direction,the impeller and the motor are fixed on the movable half of the casing so as to bring convenience for on-the-spot repair and the replacement of its spare parts.

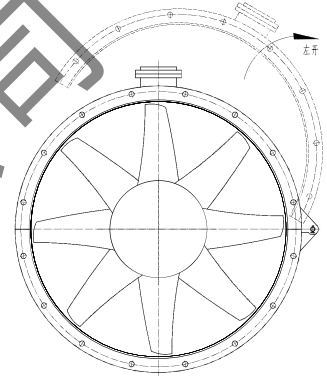
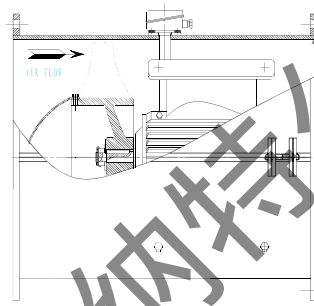
The fan can be matched with marine AC motor of 380V,415V,50 Hz or 440V, 60Hz.

4.Model explanation

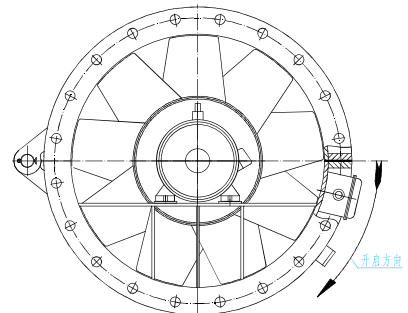
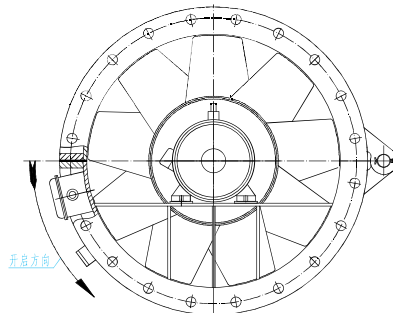
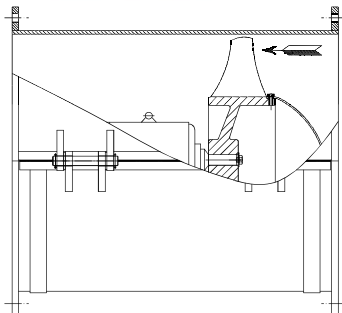




轴流通风机

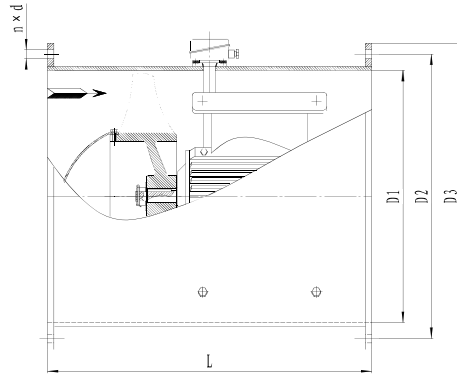


K式轴流通风机



哈腹式轴流通风机

JCZ型主要性能参数和尺寸
JCZ TYPE MAIN PROPERTY PARAMETERS AND DIMENSIONS

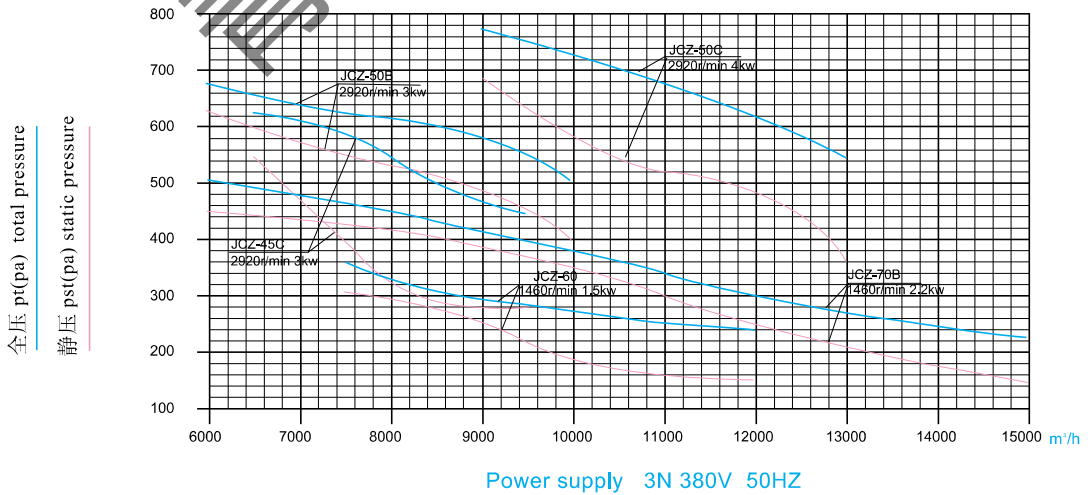
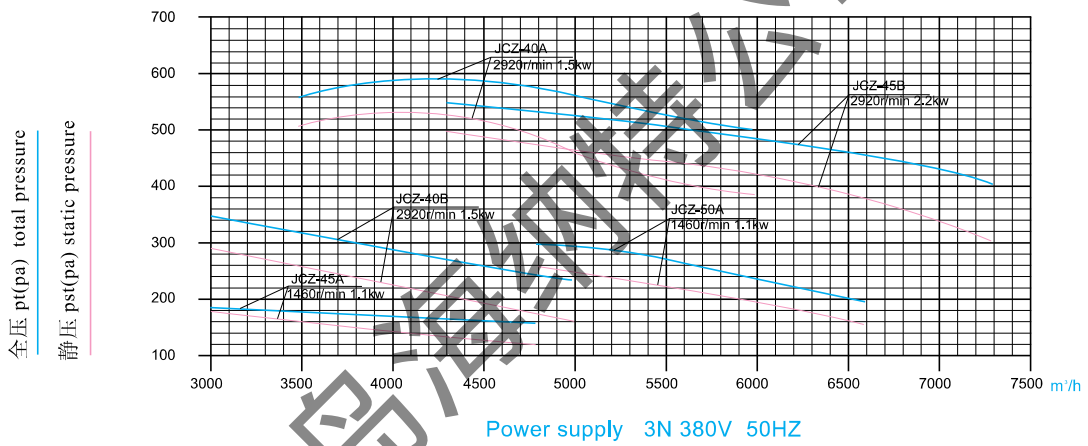
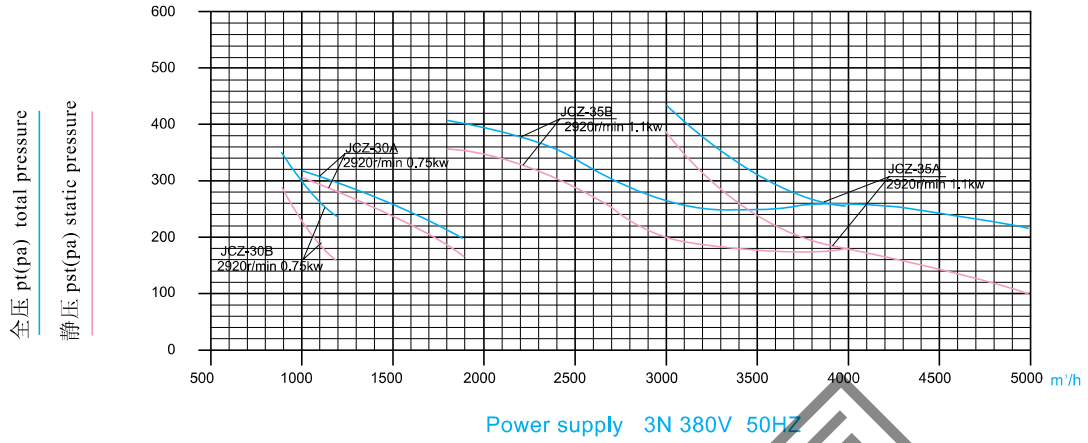


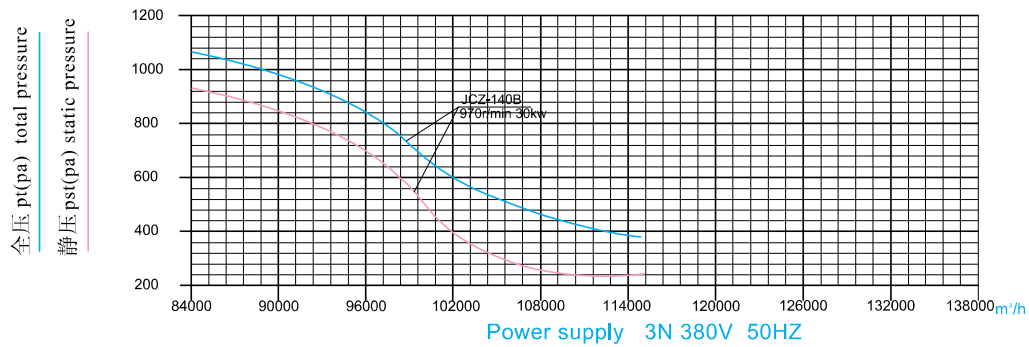
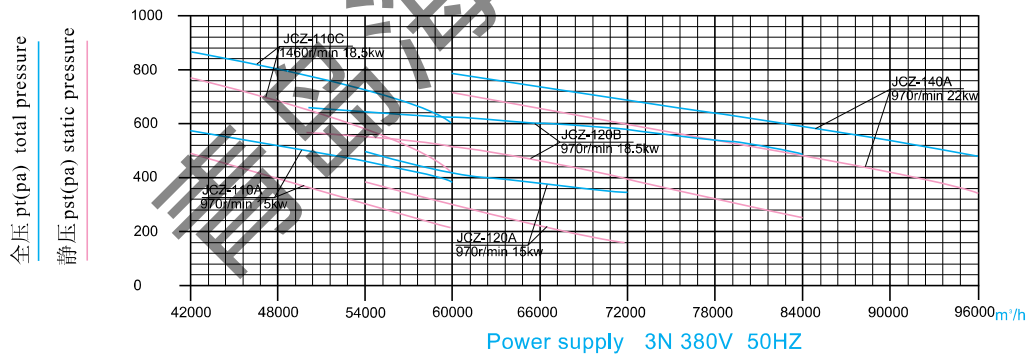
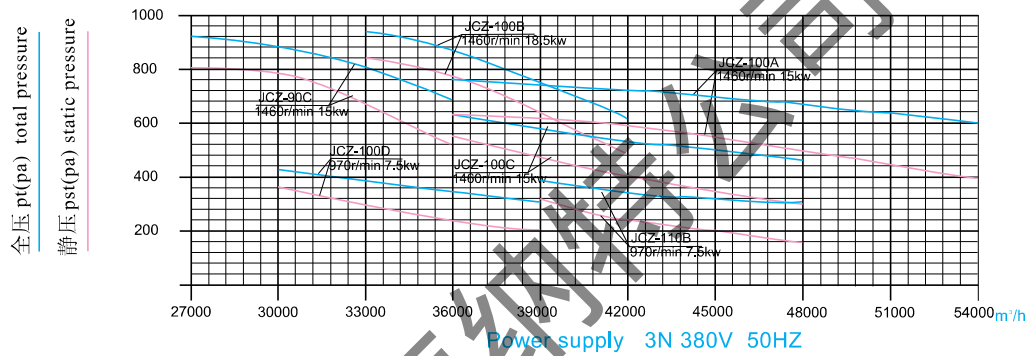
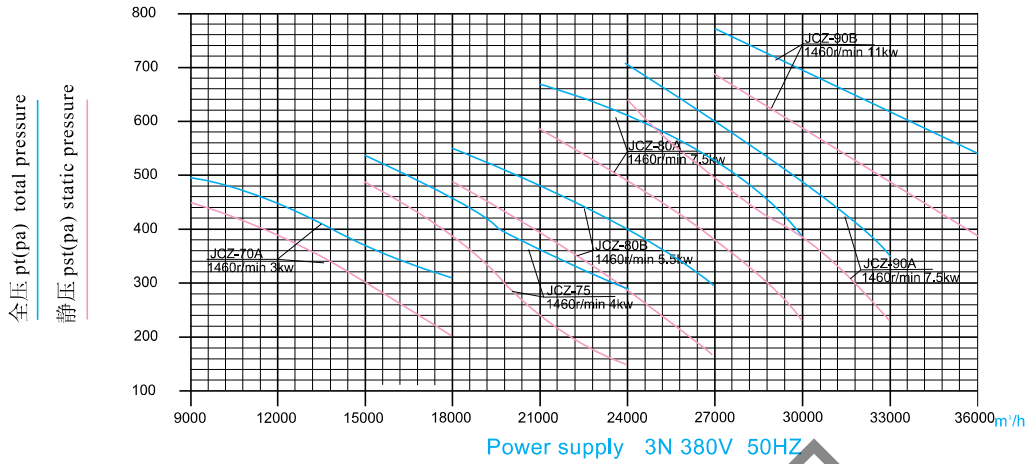
| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 Motor | | | D ₁ | D ₂ | D ₃ | L | n×d | 重量 weight ≈Kg | |
|------------|---|-------------------------------|--------------------------------|----------------------|------------------|-------------------|------------|----------------|----------------|----------------|-----|-----|---------------------|----|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | | | | | | | |
| JCZ-20 | 600 | 110 | 90 | 2920 | 50 | 0.25 | Y632-2H | Φ200 | Φ240 | Φ264 | | | 18 | |
| | 800 | 85 | 55 | 3500 | 60 | | | | | | | | 20 | |
| JCZ-25 | 800 | 160 | 140 | 2920 | 50 | 0.55 | Y712-2H | Φ250 | Φ290 | Φ314 | 300 | 8 | Φ10 | 26 |
| | 1200 | 140 | 110 | 3500 | 60 | | | | | | | | | |
| | 1400 | 120 | 90 | | | | | | | | | | | |
| JCZ-30A | 1000 | 220 | 200 | 2920 | 50 | 0.75 | Y801-2H | Φ300 | Φ345 | Φ375 | 340 | 8 | Φ12 | 35 |
| | 1500 | 200 | 160 | 3500 | 60 | | | | | | | | | |
| | 1700 | 180 | 130 | | | | | | | | | | | |
| JCZ-30B | 1200 | 300 | 245 | 2920 | 50 | 0.75 | Y801-2H | Φ300 | Φ345 | Φ375 | 340 | 8 | Φ12 | 35 |
| | 1800 | 195 | 145 | 3500 | 60 | | | | | | | | | |
| | 1400 | 440 | 350 | | | | | | | | | | | |
| JCZ-35A | 1000 | 295 | 235 | 2920 | 50 | 1.1 | Y802-2H | Φ350 | Φ395 | Φ425 | 400 | 8 | Φ12 | 40 |
| | 1200 | 235 | 145 | 3500 | 60 | | | | | | | | | |
| | 1400 | 420 | 330 | | | | | | | | | | | |
| JCZ-35B | 1200 | 295 | 235 | 2920 | 50 | 1.1 | Y802-2H | Φ350 | Φ395 | Φ425 | 400 | 8 | Φ12 | 40 |
| | 1200 | 235 | 145 | 3500 | 60 | | | | | | | | | |
| | 1400 | 330 | 215 | | | | | | | | | | | |
| JCZ-40A | 3000 | 440 | 390 | 2920 | 50 | 1.5 | Y90S-2H | Φ350 | Φ395 | Φ425 | 400 | 8 | Φ12 | 40 |
| | 4500 | 250 | 150 | 3500 | 60 | | | | | | | | | |
| | 3600 | 635 | 555 | | | | | | | | | | | |
| JCZ-40B | 5400 | 350 | 215 | 3500 | 60 | 1.5 | Y90S-2H | Φ350 | Φ395 | Φ425 | 400 | 8 | Φ12 | 40 |
| | 1800 | 410 | 360 | 2920 | 50 | | | | | | | | | |
| | 3000 | 260 | 195 | 3500 | 60 | | | | | | | | | |
| JCZ-45A | 1200 | 160 | 150 | 1750 | 60 | 1.1 | Y801-4H | Φ400 | Φ445 | Φ475 | 450 | 12 | Φ12 | 65 |
| | 4500 | 290 | 200 | 3500 | 60 | | | | | | | | | |
| | 4500 | 290 | 200 | 3500 | 60 | | | | | | | | | |
| JCZ-45B | 4500 | 585 | 520 | 2920 | 50 | 1.5 | Y90S-2H | Φ400 | Φ445 | Φ475 | 450 | 12 | Φ12 | 65 |
| | 6000 | 500 | 390 | 3500 | 60 | | | | | | | | | |
| | 3000 | 180 | 150 | 1750 | 60 | | | | | | | | | |
| JCZ-45B | 5400 | 840 | 745 | 3500 | 60 | 2.2 | Y90L-2H | Φ400 | Φ445 | Φ475 | 450 | 12 | Φ12 | 65 |
| | 7200 | 715 | 560 | | | | | | | | | | | |
| | 3000 | 520 | 490 | 2920 | 50 | | | | | | | | | |
| JCZ-45B | 4500 | 390 | 330 | 2920 | 50 | 1.5 | Y90S-2H | Φ400 | Φ445 | Φ475 | 450 | 12 | Φ12 | 65 |
| | 3600 | 745 | 705 | 3500 | 60 | | | | | | | | | |
| | 5400 | 560 | 480 | | | | | | | | | | | |
| JCZ-45A | 3000 | 190 | 180 | 1460 | 50 | 1.1 | Y90S-4H | Φ450 | Φ510 | Φ545 | 500 | 12 | Φ12 | 80 |
| | 5000 | 160 | 120 | 1750 | 60 | | | | | | | | | |
| | 3600 | 270 | 260 | 1750 | 60 | | | | | | | | | |
| JCZ-45B | 6000 | 230 | 170 | 1750 | 60 | 1.5 | Y90L-4H | Φ450 | Φ510 | Φ545 | 500 | 12 | Φ12 | 80 |
| | 4300 | 500 | 460 | 2920 | 50 | | | | | | | | | |
| | 6500 | 400 | 350 | 3500 | 60 | | | | | | | | | |
| JCZ-45B | 5200 | 720 | 650 | 3500 | 60 | 3 | Y100L-2H | Φ450 | Φ510 | Φ545 | 500 | 12 | Φ12 | 87 |
| | 7200 | 570 | 490 | | | | | | | | | | | |

| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 Motor | | | D ₁ | D ₂ | D ₃ | L | n×d | | 重量 weight ≈Kg |
|------------|---|-------------------------------|--------------------------------|----------------------|------------------|-------------------|------------------------|----------------|----------------|----------------|-----|-----|-----|---------------------|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | | | | | | | |
| JCZ-45C | 6500 8400 | 600 510 | 540 380 | 2920 | 50 | 3 | Y100L-2H | Φ450 | Φ510 | Φ545 | 500 | 12 | Φ12 | 87 |
| | 7200 10000 | 850 700 | 700 530 | 3500 | 60 | 4 | Y112M-2H | | | | | | | 92 |
| JCZ-50A | 6000 7200 | 215 310 | 175 255 | 1460 | 50 | 1.1 | Y90S-4H | Φ500 | Φ560 | Φ595 | 500 | 12 | Φ15 | 78 |
| | 6000 9000 | 685 585 | 625 490 | 2920 | 50 | 3 | Y100L-2H | | | | | | | 86 |
| JCZ-50B | 7200 10000 | 990 840 | 900 705 | 3500 | 60 | 4 | Y112M-2H | Φ500 | Φ560 | Φ595 | 500 | 12 | Φ15 | 90 |
| | 9000 12000 | 785 670 | 685 490 | 2920 | 50 | 4 | Y112M-2H | | | | | | | 100 |
| JCZ-50C | 10000 14000 | 1125 890 | 990 705 | 3500 | 60 | 5.5 | Y132S ₁ -2H | Φ500 | Φ560 | Φ595 | 500 | 12 | Φ15 | 130 |
| | 7200 9000 | 240 180 | 190 120 | 1460 | 50 | 1.5 | Y90L-4H | | | | | | | Φ550 |
| JCZ-55 | 8600 10800 | 340 250 | 270 170 | 1750 | 60 | 2.2 | Y100L ₁ -4H | Φ550 | Φ610 | Φ645 | 500 | 12 | Φ15 | |
| | 9000 12000 | 295 235 | 235 145 | 1460 | 50 | 1.5 | Y90L-4H | | | | | | | Φ600 |
| JCZ-60 | 10000 14000 | 420 330 | 330 215 | 1750 | 60 | 2.2 | Y100L ₁ -4H | Φ600 | Φ660 | Φ695 | 550 | 12 | Φ15 | |
| | 12000 15000 18000 | 450 370 290 | 390 295 200 | 1460 | 50 | 3 | Y100L ₂ -4H | | | | | | | Φ700 |
| JCZ-70A | 14000 18000 21000 | 645 540 450 | 560 420 295 | 1750 | 60 | 5.5 | Y132S-4H | Φ700 | Φ760 | Φ795 | 650 | 16 | Φ15 | |
| | 9000 12000 15000 | 420 295 225 | 390 245 145 | 1460 | 50 | 2.2 | Y100L ₁ -4H | | | | | | | Φ750 |
| JCZ-70B | 10000 14000 18000 | 605 420 325 | 560 350 215 | 1750 | 60 | 4 | Y112M-4H | Φ750 | Φ820 | Φ860 | 650 | 16 | Φ19 | |
| | 15000 18000 21000 24000 | 540 470 340 295 | 490 390 235 155 | 1460 | 50 | 4 | Y112M-4H | | | | | | | Φ750 |
| JCZ-75 | 18000 21000 25000 28000 | 775 675 490 420 | 705 560 330 225 | 1750 | 60 | 7.5 | Y132M-4H | Φ750 | Φ820 | Φ860 | 650 | 16 | Φ19 | |
| | 21000 24000 27000 30000 | 665 595 530 390 | 585 490 390 225 | 1460 | 50 | 7.5 | Y132M-4H | | | | | | | Φ800 |
| JCZ-80A | 25000 28000 32000 36000 | 960 860 765 560 | 840 705 560 320 | 1750 | 60 | 11 | Y160M-4H | Φ800 | Φ870 | Φ910 | 750 | 16 | Φ19 | |
| | 18000 21000 24000 27000 | 550 470 400 300 | 490 390 295 165 | 1460 | 50 | 5.5 | Y132S-4H | | | | | | | Φ800 |
| JCZ-80B | 21000 25000 28000 32000 | 785 675 575 440 | 705 560 420 235 | 1750 | 60 | 7.5 | Y132M-4H | Φ800 | Φ870 | Φ910 | 750 | 16 | Φ19 | |
| | 24000 27000 30000 33000 | 705 570 490 350 | 635 490 390 225 | 1460 | 50 | 7.5 | Y132M-4H | | | | | | | Φ900 |

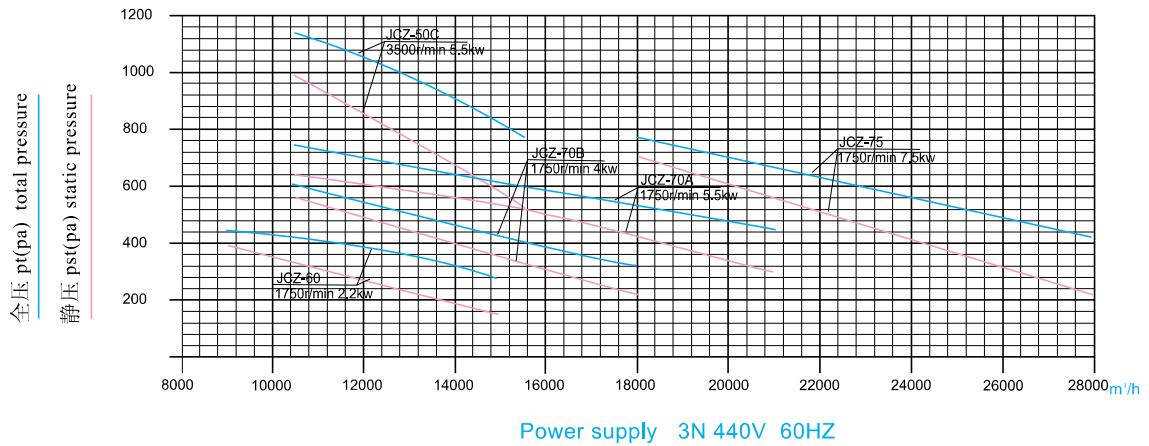
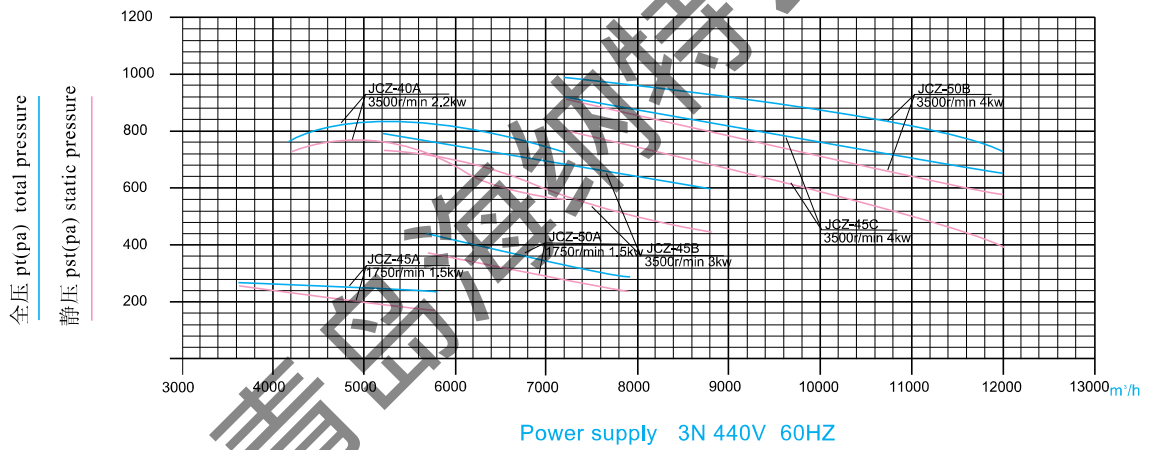
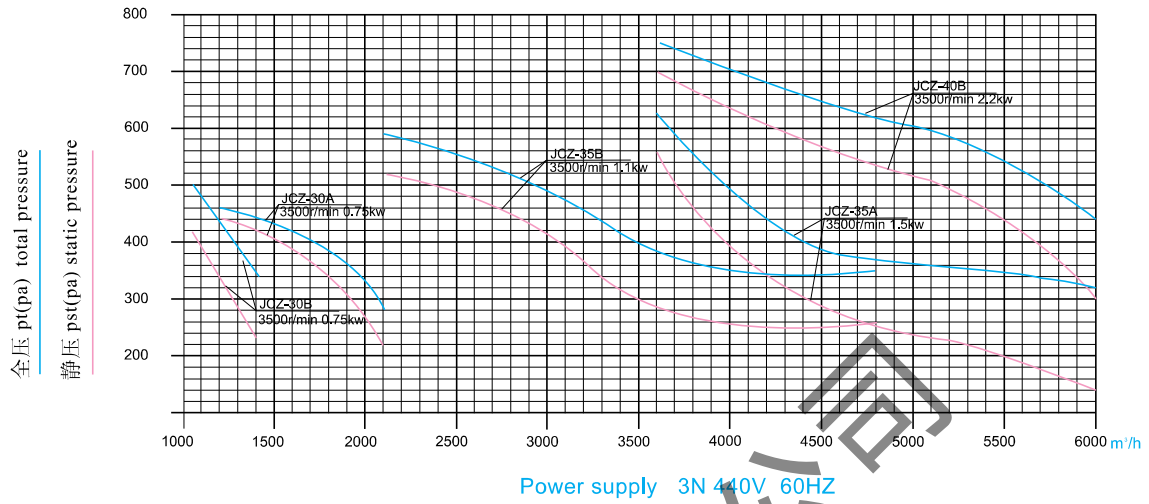


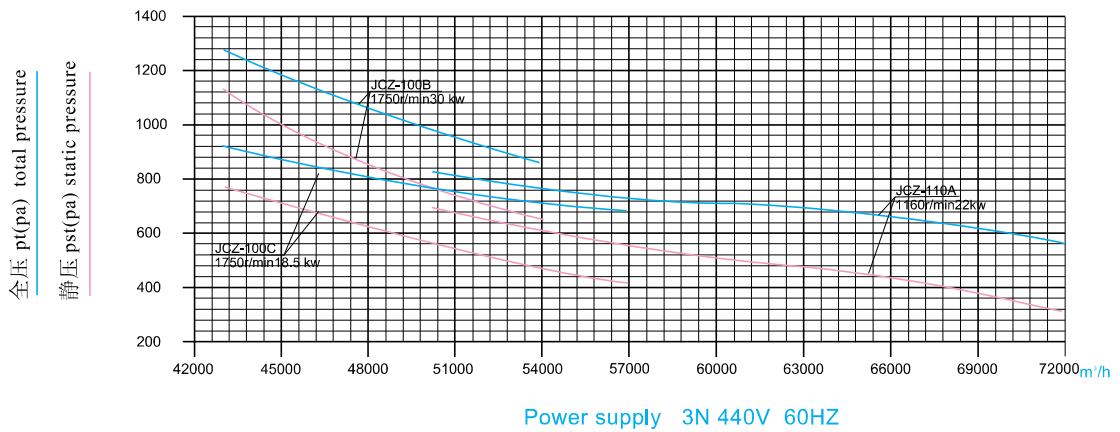
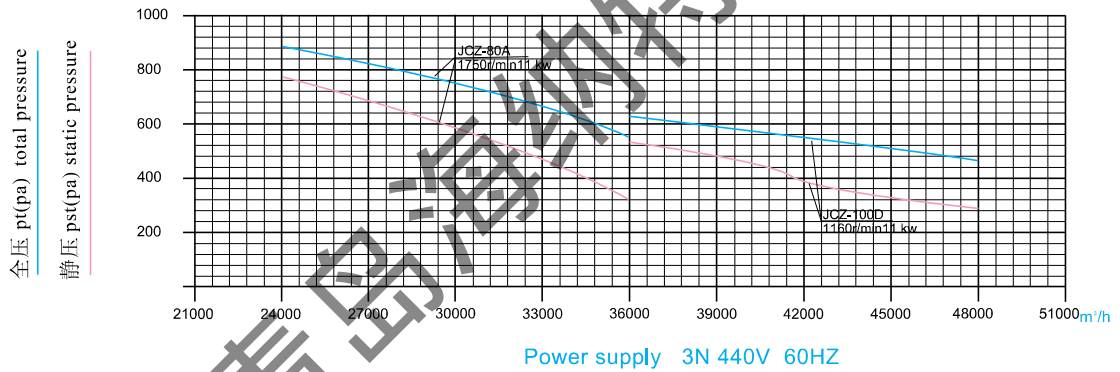
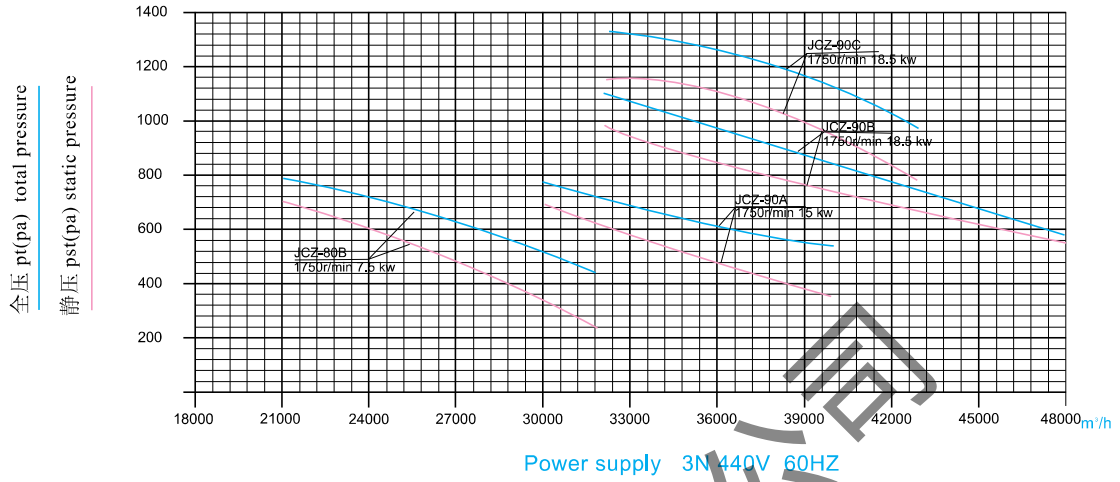
| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 Motor | | | D ₁ | D ₂ | D ₃ | L | n×d | | 重量 weight ≈Kg | | | | | | |
|------------|---|-------------------------------|--------------------------------|----------------------|------------------|-------------------|------------------------|----------------|----------------|----------------|------|-----|----------|---------------------|-------|-------|------|-----|-----|------|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | | | | | | | | | | | | | |
| JCZ-90A | 28000 | 1010 | 910 | 1750 | 60 | 15 | Y160L-4H | Φ900 | Φ970 | Φ1010 | 850 | 16 | Φ19 | 310 | | | | | | |
| | 32000 | 815 | 705 | | | | | | | | | | | | | | | | | |
| | 36000 | 705 | 560 | | | | | | | | | | | | | | | | | |
| | 40000 | 510 | 325 | | | | | | | | | | | | | | | | | |
| JCZ-90B | 27000 | 765 | 685 | 1460 | 50 | 11 | Y160M-4H | Φ900 | Φ970 | Φ1010 | 850 | 16 | Φ19 | 300 | | | | | | |
| | 30000 | 685 | 585 | | | | | | | | | | | | | | | | | |
| | 33000 | 615 | 490 | | | | | | | | | | | | | | | | | |
| | 36000 | 540 | 390 | 1750 | 60 | 18.5 | Y180M-4H | | | | | | | Φ900 | Φ970 | Φ1010 | 850 | 16 | Φ19 | 310 |
| | 32000 | 1100 | 900 | | | | | | | | | | | | | | | | | |
| | 36000 | 990 | 840 | | | | | | | | | | | | | | | | | |
| 40000 | 890 | 705 | | | | | | | | | | | | | | | | | | |
| 48000 | 775 | 560 | | | | | | | | | | | | | | | | | | |
| JCZ-90C | 30000 | 880 | 785 | 1460 | 50 | 15 | Y160L-4H | Φ900 | Φ970 | Φ1010 | 850 | 16 | Φ19 | | | | | | | 331 |
| | 33000 | 815 | 685 | | | | | | | | | | | | | | | | | |
| | 36000 | 685 | 540 | 1750 | 60 | 18.5 | Y180M-4H | | | | | | | Φ900 | Φ970 | Φ1010 | 850 | 16 | Φ19 | 385 |
| | 36000 | 1265 | 1125 | | | | | | | | | | | | | | | | | |
| 39000 | 1165 | 980 | | | | | | | | | | | | | | | | | | |
| 43000 | 980 | 775 | | | | | | | | | | | | | | | | | | |
| JCZ-100A | 42000 | 725 | 585 | 1460 | 50 | 15 | Y160L-4H | Φ1000 | Φ1070 | Φ1110 | 900 | 20 | Φ19 | 335 | | | | | | |
| | 48000 | 665 | 490 | | | | | | | | | | | | | | | | | |
| | 54000 | 605 | 390 | 1750 | 60 | 30 | Y200L-4H | | | | | | | Φ1000 | Φ1070 | Φ1110 | 900 | 20 | Φ19 | 444 |
| | 50000 | 1040 | 840 | | | | | | | | | | | | | | | | | |
| 57000 | 960 | 705 | | | | | | | | | | | | | | | | | | |
| 60000 | 870 | 560 | | | | | | | | | | | | | | | | | | |
| JCZ-100B | 36000 | 880 | 785 | 1460 | 50 | 18.5 | Y180M-4H | Φ1000 | Φ1070 | Φ1110 | 900 | 20 | Φ19 | 340 | | | | | | |
| | 39000 | 735 | 635 | | | | | | | | | | | | | | | | | |
| JCZ-100C | 43000 | 1265 | 1125 | 1750 | 60 | 30 | Y200L-4H | | | | | | | Φ1000 | Φ1070 | Φ1110 | 900 | 20 | Φ19 | 444 |
| | 46000 | 1060 | 910 | | | | | | | | | | | | | | | | | |
| | 39000 | 585 | 490 | 1460 | 50 | 15 | Y160L-4H | Φ1000 | Φ1070 | Φ1110 | 900 | 20 | Φ19 | | | | | | | 322 |
| | 42000 | 530 | 390 | | | | | | | | | | | | | | | | | |
| 48000 | 470 | 295 | 1750 | 60 | 18.5 | Y180M-4H | Φ1000 | | | | | | | Φ1070 | Φ1110 | 900 | 20 | Φ19 | 340 | |
| 46000 | 840 | 705 | | | | | | | | | | | | | | | | | | |
| 50000 | 765 | 560 | | | | | | | | | | | | | | | | | | |
| 57000 | 675 | 420 | | | | | | | | | | | | | | | | | | |
| JCZ-100D | 36000 | 340 | 245 | 970 | 50 | 7.5 | Y160M-6H | Φ1000 | Φ1070 | Φ1110 | 900 | 20 | Φ19 | 322 | | | | | | |
| | 39000 | 295 | 195 | | | | | | | | | | | | | | | | | |
| JCZ-110A | 43000 | 490 | 350 | 1160 | 60 | 11 | Y160L-6H | | | | | | | Φ1100 | Φ1170 | Φ1210 | 1000 | 20 | Φ19 | 340 |
| | 46000 | 420 | 285 | | | | | | | | | | | | | | | | | |
| JCZ-110B | 42000 | 580 | 490 | 970 | 50 | 15 | Y180L-6H | Φ1100 | Φ1170 | Φ1210 | 1000 | 20 | Φ19 | | | | | | | 540 |
| | 48000 | 510 | 390 | | | | | | | | | | | | | | | | | |
| | 54000 | 470 | 315 | | | | | | | | | | | | | | | | | |
| | 60000 | 390 | 215 | 1160 | 60 | 22 | Y200L ₂ -6H | | | | | | | Φ1100 | Φ1170 | Φ1210 | 1000 | 20 | Φ19 | 545 |
| | 50000 | 830 | 705 | | | | | | | | | | | | | | | | | |
| | 57000 | 735 | 560 | | | | | | | | | | | | | | | | | |
| 65000 | 675 | 450 | 970 | 50 | 7.5 | Y160M-6H | Φ1100 | Φ1170 | Φ1210 | 1000 | 20 | Φ19 | 321 | | | | | | | |
| 72000 | 560 | 315 | | | | | | | | | | | | | | | | | | |
| JCZ-110C | 42000 | 340 | 245 | 1460 | 50 | 18.5 | | | | | | | Y180M-4H | Φ1100 | Φ1170 | Φ1210 | 1000 | 20 | Φ19 | 500 |
| | 48000 | 295 | 145 | | | | | | | | | | | | | | | | | |
| | 50000 | 490 | 320 | 1750 | 60 | 30 | Y200L-4H | Φ1100 | Φ1170 | Φ1210 | 1000 | 20 | Φ19 | | | | | | | 445 |
| | 57000 | 420 | 205 | | | | | | | | | | | | | | | | | |
| JCZ-110D | 42000 | 870 | 785 | 1460 | 50 | 18.5 | Y180M-4H | | | | | | | Φ1100 | Φ1170 | Φ1210 | 1000 | 20 | Φ19 | 580 |
| | 48000 | 805 | 685 | | | | | | | | | | | | | | | | | |
| | 54000 | 735 | 585 | 1750 | 60 | 30 | Y200L-4H | Φ1100 | Φ1170 | Φ1210 | 1000 | 20 | Φ19 | | | | | | | 660 |
| | 50000 | 1255 | 1125 | | | | | | | | | | | | | | | | | |
| 57000 | 1155 | 990 | | | | | | | | | | | | | | | | | | |
| 65000 | 1060 | 840 | | | | | | | | | | | | | | | | | | |
| JCZ-120A | 60000 | 420 | 295 | 970 | 50 | 15 | Y180L-6H | Φ1200 | Φ1280 | Φ1330 | 1000 | 20 | Φ24 | 660 | | | | | | |
| | 72000 | 340 | 155 | | | | | | | | | | | | | | | | | |
| | 72000 | 595 | 420 | 1160 | 60 | 18.5 | Y200L ₁ -6H | | | | | | | Φ1200 | Φ1280 | Φ1330 | 1000 | 20 | Φ24 | 665 |
| | 86000 | 490 | 225 | | | | | | | | | | | | | | | | | |
| JCZ-120B | 60000 | 615 | 520 | 970 | 50 | 18.5 | Y200L ₁ -6H | Φ1200 | Φ1280 | Φ1330 | 1000 | 20 | Φ24 | | | | | | | 665 |
| | 72000 | 575 | 390 | | | | | | | | | | | | | | | | | |
| | 84000 | 490 | 245 | 1160 | 60 | 37 | Y250M-6H | | | | | | | Φ1200 | Φ1280 | Φ1330 | 1200 | 20 | Φ24 | 805 |
| | 72000 | 890 | 745 | | | | | | | | | | | | | | | | | |
| 86000 | 830 | 560 | | | | | | | | | | | | | | | | | | |
| 100000 | 705 | 350 | | | | | | | | | | | | | | | | | | |
| JCZ-140A | 72000 | 685 | 585 | 970 | 50 | 22 | Y200L ₂ -6H | Φ1400 | Φ1480 | Φ1530 | 1000 | 24 | Φ24 | 895 | | | | | | |
| | 84000 | 585 | 490 | | | | | | | | | | | | | | | | | |
| | 96000 | 490 | 340 | 1160 | 60 | 37 | Y250M-6H | | | | | | | Φ1400 | Φ1480 | Φ1530 | 1000 | 24 | Φ24 | 1013 |
| | 86000 | 980 | 840 | | | | | | | | | | | | | | | | | |
| 100000 | 840 | 705 | | | | | | | | | | | | | | | | | | |
| 115000 | 705 | 490 | | | | | | | | | | | | | | | | | | |
| JCZ-140B | 96000 | 490 | 340 | 970 | 50 | 30 | Y225M-6H | Φ1400 | Φ1480 | Φ1530 | 1200 | 24 | Φ24 | 1013 | | | | | | |
| | 115000 | 390 | 245 | | | | | | | | | | | | | | | | | |
| | 115000 | 705 | 490 | 1160 | 60 | 45 | Y280S-6H | | | | | | | Φ1400 | Φ1480 | Φ1530 | 1300 | 24 | Φ24 | 1090 |
| 138000 | 560 | 350 | | | | | | | | | | | | | | | | | | |

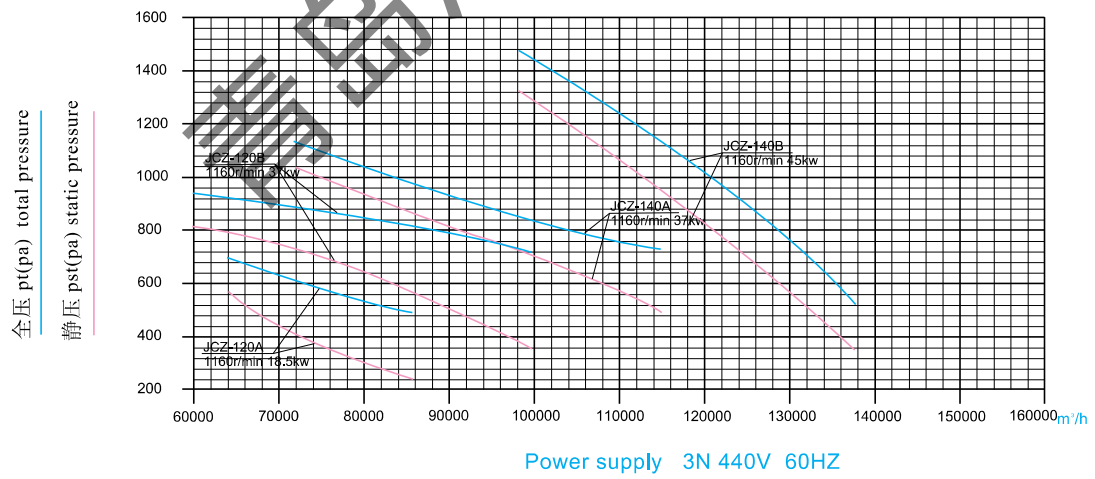
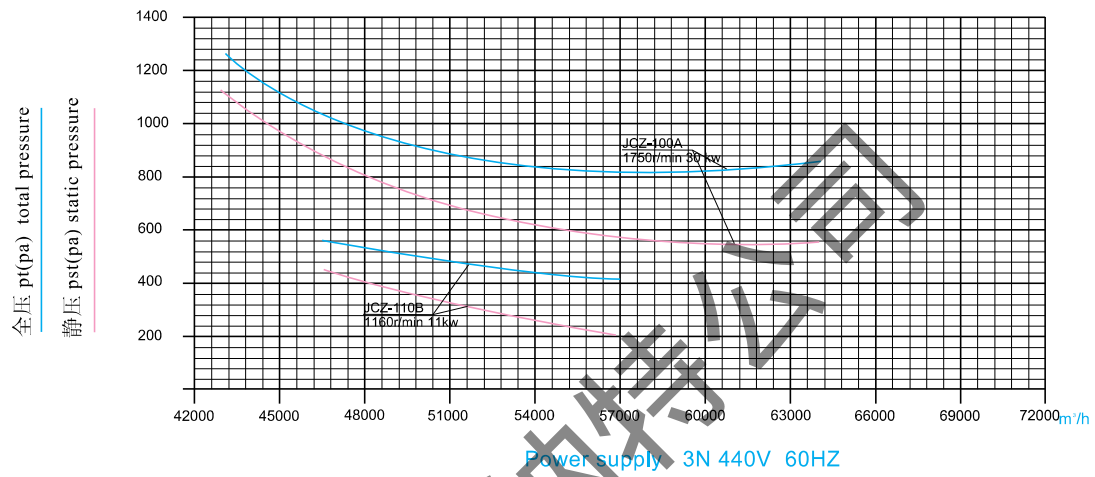




风机特性曲线图 Characteristic Curves
440V 60HZ







CZF 系列舰船用轴流通风机

CZF Series Marine Or Navy Axial Fans

一、概述

CZF系列舰船用轴流通风机（以下简称通风机）是一种新型的节能、低噪声风机，它适用于各种舰船的通风换气，也适用于其它相适应的场合。

二、特点

CZF 系列风机具有结构紧凑、体积小、重量轻、耗用功率小、可逆转、运转平稳、能抗一定程度的冲击和振动等优点。

三、结构型式

风机叶轮由耐腐蚀铝合金浇铸制成并经动平衡校正，防腐性能好、运转平稳可靠。

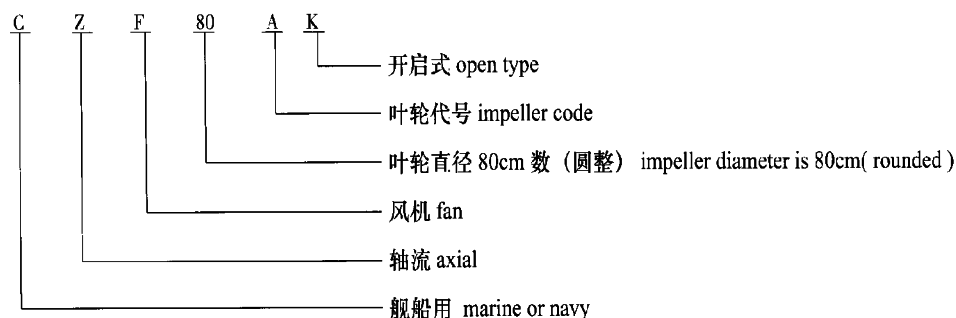
风机机壳采用钢板焊接结构，表面采取防腐处理，机壳进、出口两端均有法兰，以便与进、出风管道用螺栓联接。机壳可根据需要制成整体式或沿轴向开启式结构。开启式机壳是将叶轮和电动机装在可开启的半机壳上，故便于现场检修和更换零部件。

风机制成电动机置于机壳内结构，叶轮直接装在电动机轴上。

风机可逆转，逆转风量为正转的60%左右。正转逆转转换时电机需待叶轮静止后再运行。

风机可配用380V,50Hz或440V,60Hz舰船用交流电动机。

四、型号说明



1、General

CZF series Marine or navy axial fans (here after called the fan) are new-type & energy save, low-noise fans. They are suitable for every cabin air ventilating and exchanging on ships. They are also applicable in other places that suit .

2、Features

CZF fans are characterized by their extreme compact structure , small size, light weight, less power consumption, smooth and reliable in operation, being suitable for reversing operating and excellent resistance to a certain degree shock and vibration .

3、Structure

The impeller is made of anticorrosive cast aluminum alloy , it is dynamically shaped and carefully balanced to ensure the fan having reliable anticorrosive property and operating smoothly

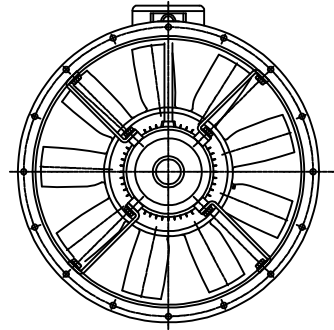
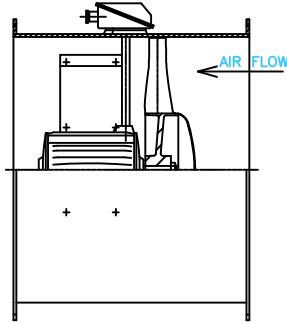
The fan casing, being welding construction, is made of steel plate with flanges for connection with duct at both sides by bolts, and the surface is fully treated by anticorrosive painting . As desired , the casing can either be made into an integral one or an open type along the axial direction, the impeller and the motor are fixed on the movable half of the casing so as to bring convenience for on-the-spot repair and the replacement of its spare parts .

The fan is manufactured with a built-in casing motor structure. The impeller is directly mounted on the motor shaft .

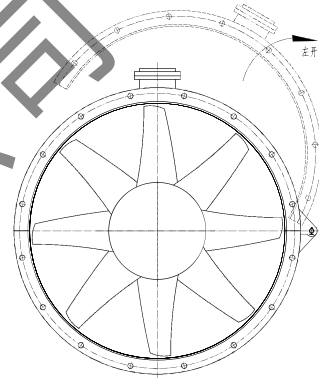
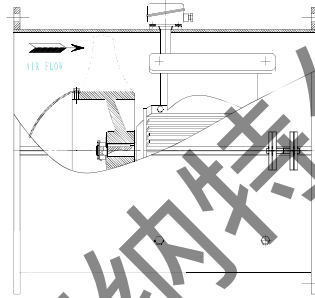
These fans may reverse. when the fan reverse flow rate is about 60% Normal flow rate. When Transformation the fan must wait motor static.

The fan can be matched with AC380V, 50Hz or 440V , 60Hz marine or navy motor .

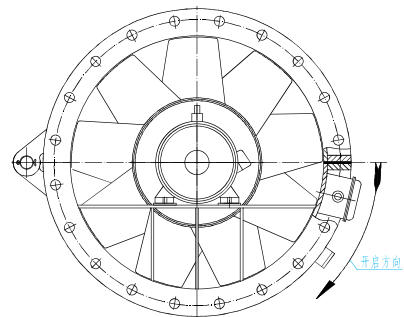
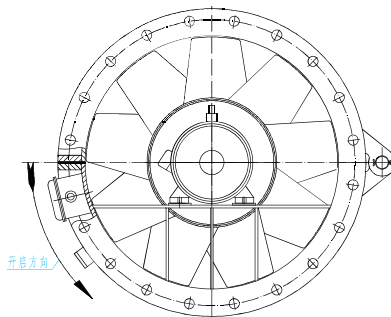
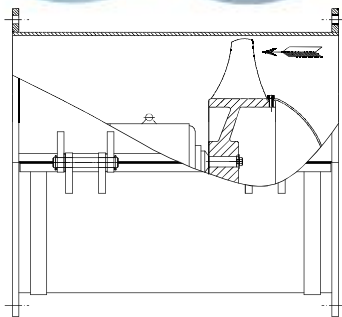
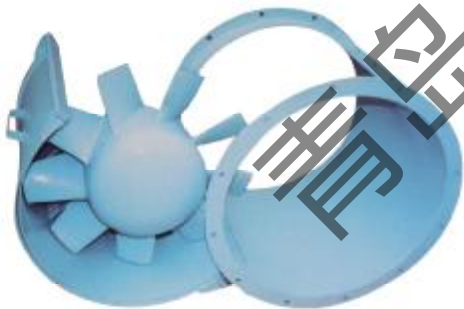
4、Model explanation



轴流通风机

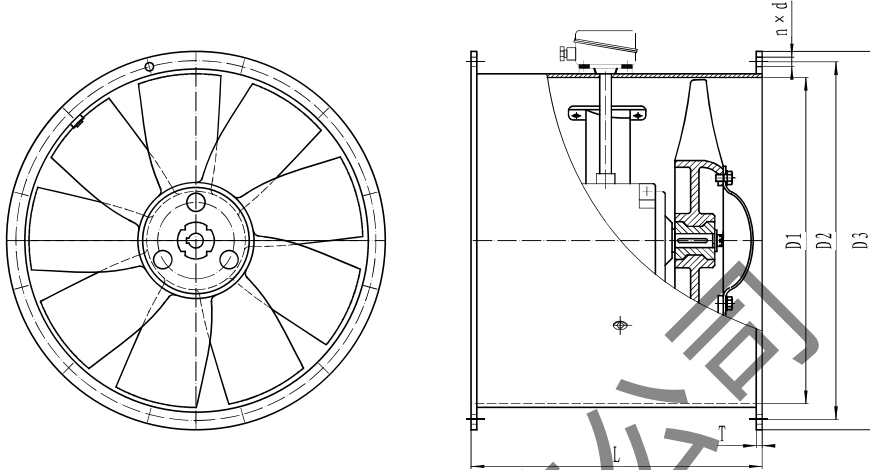


K式轴流通风机



哈腹式轴流通风机

主要性能参数及外形安装尺寸
Main Property Parameters And Outline Dimensions



| 型号 type | 流量 flow rate m³/h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 motor | | | 外形尺寸 dimensions (mm) | | | | | | 重量 weight ≈kg | |
|------------|-------------------------|-------------------------------|--------------------------------|----------------------|------------------|-------------------|------------|----------------------|-----|-----|-----|---|---|---------------------|----|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | D1 | D2 | D3 | L | T | n | | d |
| CZF-30A | 960 | 330 | 320 | 2920 | 50 | 0.25 | Y632-2H | 300 | 345 | 375 | 360 | 8 | 8 | 12 | 50 |
| | 1200 | 310 | 295 | | | | | | | | | | | | |
| | 1500 | 270 | 250 | | | | | | | | | | | | |
| | 1740 | 230 | 200 | | | | | | | | | | | | |
| | 2000 | 180 | 140 | | | | | | | | | | | | |
| | 1200 | 490 | 470 | 3500 | 60 | 0.55 | Y711-2H | | | | | | | | |
| 1500 | 440 | 420 | | | | | | | | | | | | | |
| 1800 | 380 | 350 | | | | | | | | | | | | | |
| 2100 | 310 | 270 | | | | | | | | | | | | | |
| 2400 | 240 | 180 | | | | | | | | | | | | | |
| CZF-35A | 900 | 160 | 150 | 1460 | 50 | 0.25 | Y711-4H | 350 | 395 | 425 | 360 | 8 | 8 | 12 | 60 |
| | 960 | 150 | 140 | | | | | | | | | | | | |
| | 1080 | 130 | 125 | | | | | | | | | | | | |
| | 1140 | 120 | 115 | | | | | | | | | | | | |
| | 1200 | 110 | 105 | | | | | | | | | | | | |
| | 900 | 250 | 240 | 1750 | 60 | 0.25 | Y711-4H | | | | | | | | |
| 1200 | 210 | 200 | | | | | | | | | | | | | |
| 1500 | 160 | 150 | | | | | | | | | | | | | |
| 1800 | 120 | 100 | | | | | | | | | | | | | |
| CZF-35B | 1500 | 480 | 470 | 2920 | 50 | 0.55 | Y711-2H | 350 | 395 | 425 | 360 | 8 | 8 | 12 | 70 |
| | 1800 | 420 | 400 | | | | | | | | | | | | |
| | 2100 | 390 | 370 | | | | | | | | | | | | |
| | 2400 | 330 | 300 | | | | | | | | | | | | |
| | 2700 | 290 | 250 | | | | | | | | | | | | |
| | 1800 | 700 | 680 | 3500 | 60 | 0.75 | Y801-2H | | | | | | | | |
| 2100 | 640 | 620 | | | | | | | | | | | | | |
| 2400 | 590 | 560 | | | | | | | | | | | | | |
| 3000 | 460 | 410 | | | | | | | | | | | | | |
| 3600 | 320 | 250 | | | | | | | | | | | | | |

主要性能参数及外形安装尺寸
Main Property Parameters and Outline Dimensions

| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 motor | | | 外形尺寸 dimensions (mm) | | | | | | 重量 weight ≈kg | |
|------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|------------------|-------------------|------------|----------------------|----------------|----------------|-----|---|----|---------------------|----|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | D ₁ | D ₂ | D ₃ | L | T | n | | d |
| CZF-40A | 2160 | 180 | 160 | 1460 | 50 | 0.55 | Y801-4H | 400 | 445 | 475 | 430 | 8 | 12 | 12 | 65 |
| | 2400 | 160 | 145 | | | | | | | | | | | | |
| 2700 | 150 | 130 | | | | | | | | | | | | | |
| 3000 | 140 | 110 | | | | | | | | | | | | | |
| 2400 | 270 | 250 | 1750 | 60 | 0.55 | Y801-4H | | | | | | | | | |
| 2700 | 240 | 220 | | | | | | | | | | | | | |
| 3000 | 230 | 200 | | | | | | | | | | | | | |
| 3300 | 200 | 170 | | | | | | | | | | | | | |
| 3600 | 180 | 140 | | | | | | | | | | | | | |
| 3900 | 165 | 120 | | | | | | | | | | | | | |
| CZF-40B | 2500 | 490 | 450 | 2920 | 50 | 0.75 | Y801-2H | | | | | | | | |
| | 3000 | 430 | 400 | | | | | | | | | | | | |
| CZF-40B | 3300 | 400 | 370 | | | | | | | | | | | | |
| | 3600 | 370 | 330 | | | | | | | | | | | | |
| | 4200 | 300 | 250 | | | | | | | | | | | | |
| | 3000 | 710 | 680 | 3500 | 60 | 1.5 | Y90S-2H | | | | | | | | |
| | 3600 | 640 | 600 | | | | | | | | | | | | |
| | 4200 | 550 | 500 | | | | | | | | | | | | |
| | 4800 | 470 | 400 | | | | | | | | | | | | |
| 5100 | 410 | 330 | | | | | | | | | | | | | |
| 1680 | 235 | 230 | 1460 | | | | | 50 | 0.55 | Y801-4H | | | | | |
| 1800 | 225 | 220 | | | | | | | | | | | | | |
| 2100 | 200 | 190 | | | | | | | | | | | | | |
| 2400 | 175 | 165 | | | | | | | | | | | | | |
| 3000 | 125 | 110 | | | | | | | | | | | | | |
| CZF-45A | 1920 | 350 | 340 | 1750 | 60 | 0.55 | Y801-4H | | | | | | | | |
| | 2100 | 340 | 330 | | | | | | | | | | | | |
| CZF-45B | 2400 | 310 | 300 | | | | | | | | | | | | |
| | 2700 | 285 | 270 | | | | | | | | | | | | |
| | 3000 | 245 | 230 | | | | | | | | | | | | |
| | 3600 | 185 | 160 | | | | | | | | | | | | |
| | 1980 | 250 | 240 | 1460 | 50 | 0.55 | Y801-4H | | | | | | | | |
| | 2400 | 240 | 230 | | | | | | | | | | | | |
| | 3000 | 220 | 205 | | | | | | | | | | | | |
| 3600 | 195 | 170 | | | | | | | | | | | | | |
| 4200 | 150 | 120 | | | | | | | | | | | | | |
| CZF-45B | 2400 | 360 | 350 | 1750 | 60 | 0.75 | Y802-4H | | | | | | | | |
| | 3000 | 335 | 320 | | | | | | | | | | | | |
| CZF-50A | 3600 | 315 | 290 | | | | | | | | | | | | |
| | 4200 | 280 | 250 | | | | | | | | | | | | |
| | 4800 | 240 | 200 | | | | | | | | | | | | |
| | 3480 | 235 | 220 | 1460 | 50 | 0.55 | Y801-4H | | | | | | | | |
| | 3900 | 220 | 200 | | | | | | | | | | | | |
| | 4200 | 205 | 185 | | | | | | | | | | | | |
| | 4800 | 190 | 160 | | | | | | | | | | | | |
| 5400 | 160 | 125 | | | | | | | | | | | | | |
| CZF-50A | 4200 | 340 | 320 | 1750 | 60 | 0.75 | Y802-4H | | | | | | | | |
| | 4800 | 320 | 290 | | | | | | | | | | | | |
| CZF-55A | 5400 | 295 | 260 | | | | | | | | | | | | |
| | 6000 | 265 | 220 | | | | | | | | | | | | |
| | 6600 | 230 | 180 | | | | | | | | | | | | |
| | 3900 | 330 | 320 | 1460 | 50 | 1.5 | Y90L-4H | | | | | | | | |
| | 4800 | 310 | 290 | | | | | | | | | | | | |
| | 5400 | 295 | 270 | | | | | | | | | | | | |
| | 6000 | 270 | 240 | | | | | | | | | | | | |
| 6600 | 245 | 210 | | | | | | | | | | | | | |
| 7200 | 215 | 170 | | | | | | | | | | | | | |
| CZF-55A | 4800 | 500 | 480 | 1750 | 60 | 1.5 | Y90L-4H | | | | | | | | |
| | 6000 | 450 | 420 | | | | | | | | | | | | |
| CZF-55B | 7200 | 385 | 340 | | | | | | | | | | | | |
| | 8400 | 330 | 270 | | | | | | | | | | | | |
| | 9000 | 290 | 220 | | | | | | | | | | | | |
| | 9600 | 255 | 180 | | | | | | | | | | | | |
| | 6600 | 285 | 250 | 1460 | 50 | 1.5 | Y90L-4H | | | | | | | | |
| | 7200 | 280 | 235 | | | | | | | | | | | | |
| | 7800 | 265 | 215 | | | | | | | | | | | | |
| 8400 | 255 | 195 | | | | | | | | | | | | | |
| 9000 | 240 | 175 | | | | | | | | | | | | | |
| 9600 | 230 | 155 | | | | | | | | | | | | | |
| CZF-55B | 7200 | 425 | 380 | 1750 | 60 | 2.2 | Y100L1-4H | | | | | | | | |
| | 9000 | 390 | 320 | | | | | | | | | | | | |
| CZF-55B | 9600 | 375 | 300 | | | | | | | | | | | | |
| | 10800 | 345 | 250 | | | | | | | | | | | | |
| | 12000 | 320 | 200 | | | | | | | | | | | | |
| | 13200 | 285 | 140 | | | | | | | | | | | | |

主要性能参数及外形安装尺寸
Main Property Parameters and Outline Dimensions

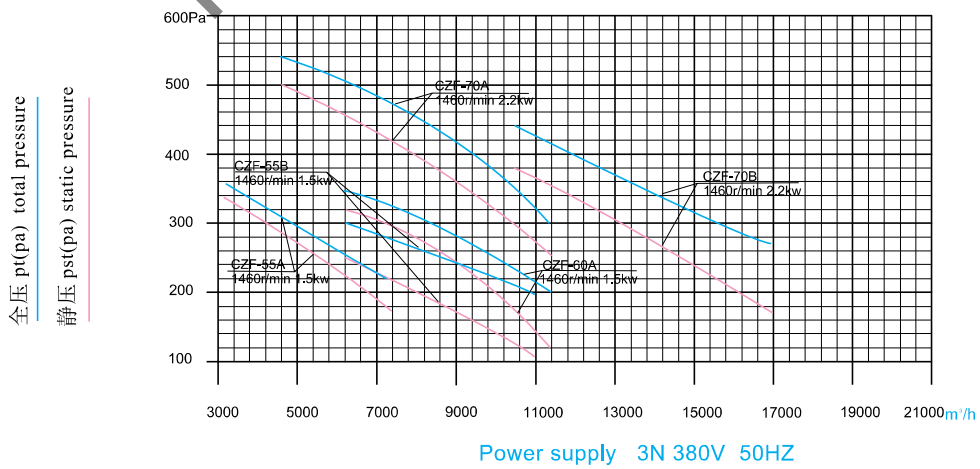
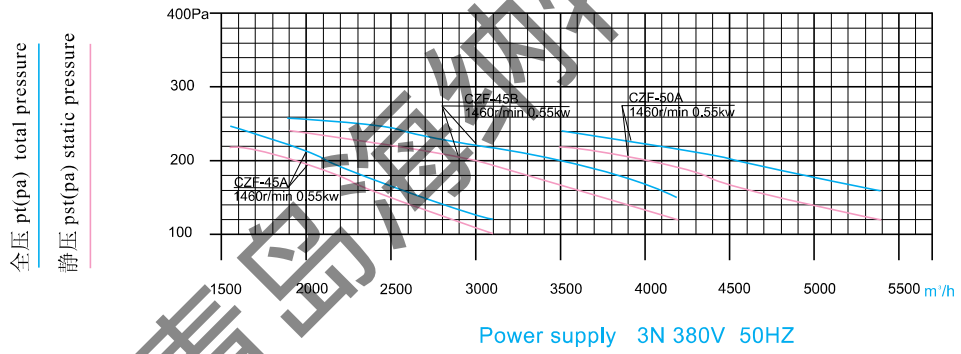
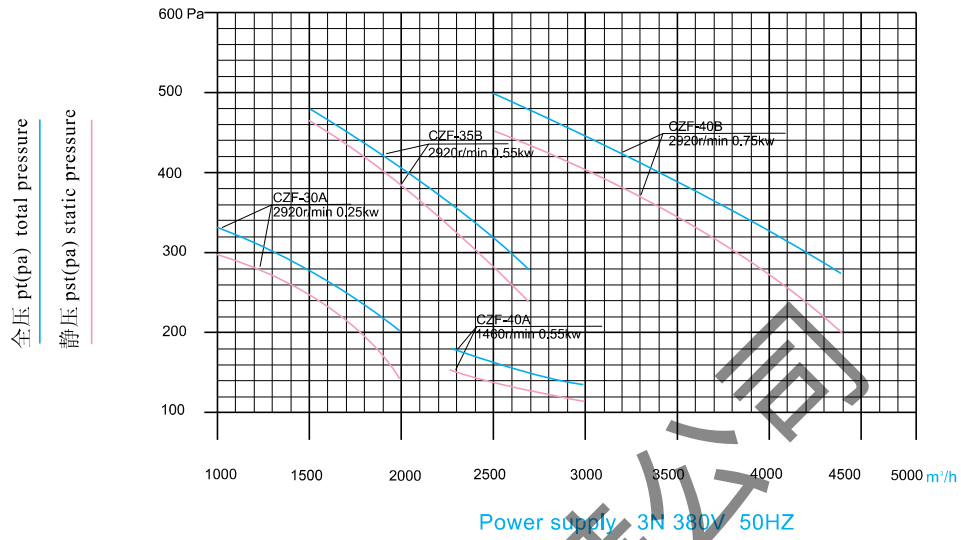
| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 motor | | | 外形尺寸 dimensions (mm) | | | | | | 重量 weight ≈kg | |
|------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|------------------|-------------------|------------|----------------------|----------------|----------------|-----|----|----|---------------------|-----|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | D ₁ | D ₂ | D ₃ | L | T | n | | d |
| CZF-60A | 6600 | 345 | 320 | 1460 | 50 | 1.5 | Y90L-4H | 600 | 660 | 695 | 450 | 12 | 12 | 15 | 125 |
| | 7800 | 325 | 290 | | | | | | | | | | | | |
| | 9000 | 290 | 240 | | | | | | | | | | | | |
| | 10200 | 250 | 190 | 1750 | 60 | 2.2 | Y100L1-4H | | | | | | | | |
| | 11400 | 200 | 125 | | | | | | | | | | | | |
| | 8400 | 490 | 450 | | | | | | | | | | | | |
| CZF-70A | 9600 | 475 | 420 | 1460 | 50 | 2.2 | Y100L1-4H | 700 | 760 | 795 | 600 | 12 | 16 | 15 | 160 |
| | 10800 | 440 | 370 | | | | | | | | | | | | |
| | 12000 | 375 | 290 | | | | | | | | | | | | |
| | 13200 | 310 | 210 | 1750 | 60 | 4 | Y112M-4H | | | | | | | | |
| | 15000 | 270 | 140 | | | | | | | | | | | | |
| | 6000 | 790 | 780 | | | | | | | | | | | | |
| CZF-70B | 8400 | 740 | 720 | 1460 | 50 | 2.2 | Y100L1-4H | 750 | 820 | 860 | 600 | 12 | 16 | 19 | 235 |
| | 9600 | 680 | 650 | | | | | | | | | | | | |
| | 10800 | 605 | 570 | | | | | | | | | | | | |
| | 12000 | 505 | 460 | 1750 | 60 | 5.5 | Y132S-4H | | | | | | | | |
| | 13200 | 405 | 350 | | | | | | | | | | | | |
| | 10200 | 415 | 380 | | | | | | | | | | | | |
| CZF-75A | 12000 | 345 | 330 | 970 | 50 | 1.5 | Y100L-6H | 750 | 820 | 860 | 600 | 12 | 16 | 19 | 235 |
| | 13200 | 205 | 165 | | | | | | | | | | | | |
| | 14400 | 200 | 150 | | | | | | | | | | | | |
| | 15600 | 190 | 130 | 1160 | 60 | 2.2 | Y112M-6H | | | | | | | | |
| | 16800 | 180 | 110 | | | | | | | | | | | | |
| | 14400 | 320 | 270 | | | | | | | | | | | | |
| CZF-75B | 15600 | 310 | 250 | 1460 | 50 | 4 | Y112M-4H | 750 | 820 | 860 | 600 | 12 | 16 | 19 | 235 |
| | 16800 | 300 | 230 | | | | | | | | | | | | |
| | 18000 | 280 | 200 | | | | | | | | | | | | |
| | 19200 | 270 | 180 | 1750 | 60 | 5.5 | Y132S-4H | | | | | | | | |
| | 24000 | 290 | 150 | | | | | | | | | | | | |
| | 9600 | 460 | 440 | | | | | | | | | | | | |
| CZF-75C | 12000 | 455 | 420 | 1460 | 50 | 5.5 | Y132S-4H | 750 | 820 | 860 | 600 | 12 | 16 | 19 | 235 |
| | 14400 | 420 | 380 | | | | | | | | | | | | |
| | 16800 | 400 | 330 | | | | | | | | | | | | |
| | 19200 | 340 | 250 | 1750 | 60 | 7.5 | Y132M-4H | | | | | | | | |
| | 21600 | 220 | 160 | | | | | | | | | | | | |
| | 12600 | 490 | 450 | | | | | | | | | | | | |
| CZF-75C | 15000 | 480 | 425 | 1460 | 50 | 5.5 | Y132S-4H | 750 | 820 | 860 | 600 | 12 | 16 | 19 | 235 |
| | 18000 | 450 | 370 | | | | | | | | | | | | |
| | 21000 | 395 | 290 | | | | | | | | | | | | |
| | 22200 | 370 | 250 | 1750 | 60 | 7.5 | Y132M-4H | | | | | | | | |
| | 15600 | 680 | 620 | | | | | | | | | | | | |
| | 18000 | 675 | 600 | | | | | | | | | | | | |
| CZF-75C | 21000 | 635 | 530 | 1750 | 60 | 7.5 | Y132M-4H | 750 | 820 | 860 | 600 | 12 | 16 | 19 | 235 |
| | 24000 | 590 | 450 | | | | | | | | | | | | |
| | 25500 | 555 | 400 | | | | | | | | | | | | |

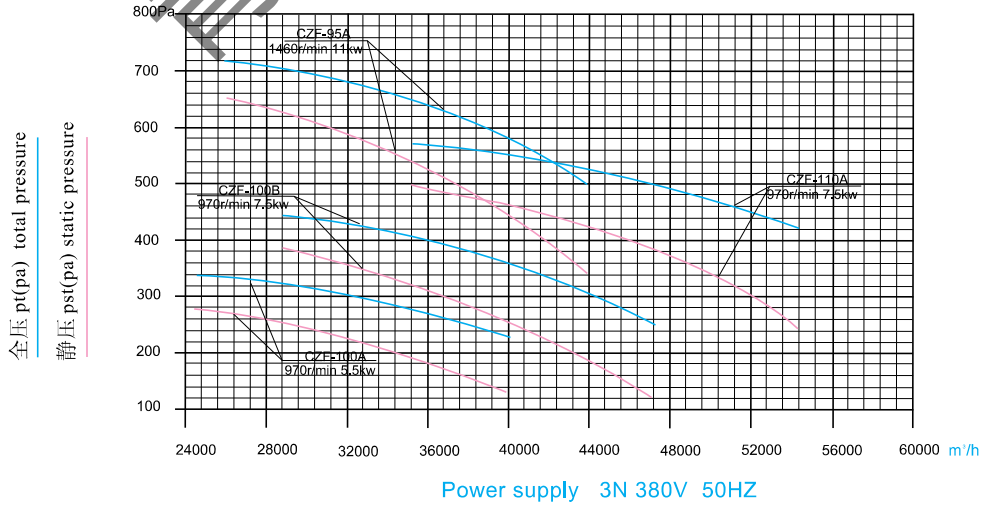
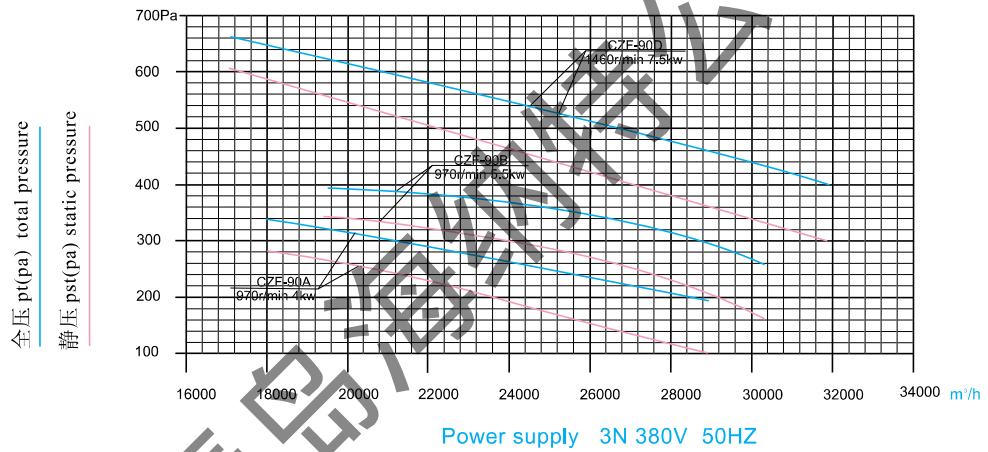
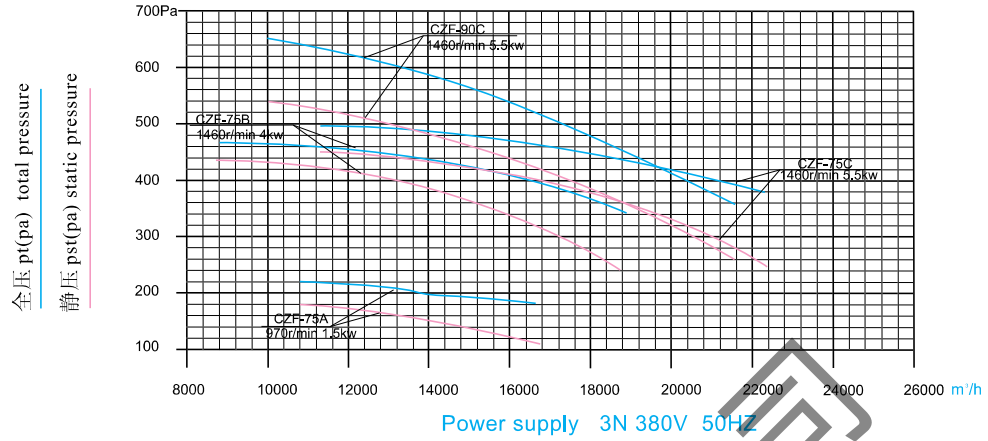
主要性能参数及外形安装尺寸
Main Property Parameters and Outline Dimensions

| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 motor | | | 外形尺寸 dimensions (mm) | | | | | | | 重量 weight ≈kg | | | | |
|------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|------------------|-------------------|------------|----------------------|----------------|----------------|----------|----|----|----|---------------------|------|----|-----|----------|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | D ₁ | D ₂ | D ₃ | L | T | n | d | | | | | |
| CZF-90A | 18600 | 330 | 290 | 970 | 50 | 4.0 | Y132M1-6H | 900 | 970 | 1010 | 650 | 12 | 16 | 19 | 300 | | | | |
| | 21000 | 300 | 250 | | | | | | | | | | | | | | | | |
| | 22800 | 280 | 220 | | | | | | | | | | | | | | | | |
| | 24000 | 260 | 195 | | | | | | | | | | | | | | | | |
| | 25500 | 240 | 165 | | | | | | | | | | | | | | | | |
| | 27000 | 225 | 130 | | | | | | | | | | | | | | | | |
| CZF-90B | 21000 | 500 | 450 | 1160 | 60 | 5.5 | Y132M2-6H | | | | | | | | | | | | |
| | 24000 | 480 | 410 | | | | | | | | | | | | | | | | |
| | 27000 | 415 | 330 | | | | | | | | | | | | | | | | |
| | 30000 | 345 | 240 | | | | | | | | | | | | | | | | |
| | 33000 | 275 | 150 | | | | | | | | | | | | | | | | |
| | 21000 | 390 | 340 | | | | | | | | | | | | | | | | |
| CZF-90B | 24000 | 370 | 300 | 970 | 50 | 5.5 | Y132M2-6H | | | | | | | | | | | | |
| | 27000 | 335 | 250 | | | | | | | | | | | | | | | | |
| | 28800 | 305 | 210 | | | | | | | | | | | | | | | | |
| | 30000 | 275 | 170 | | | | | | | | | | | | | | | | |
| | 25200 | 555 | 480 | | | | | | | | | | | | | 1160 | 60 | 7.5 | Y160M-6H |
| | 27000 | 475 | 440 | | | | | | | | | | | | | | | | |
| 30000 | 505 | 400 | | | | | | | | | | | | | | | | | |
| 33000 | 465 | 340 | | | | | | | | | | | | | | | | | |
| 36000 | 398 | 250 | | | | | | | | | | | | | | | | | |
| 10200 | 660 | 650 | 1460 | 50 | 5.5 | Y132S-4H | | | | | | | | | | | | | |
| 12000 | 640 | 620 | | | | | | | | | | | | | | | | | |
| 15000 | 580 | 550 | | | | | | | | | | | | | | | | | |
| 18000 | 505 | 450 | | | | | | | | | | | | | | | | | |
| 21000 | 350 | 300 | | | | | | | | | | | | | | | | | |
| 12000 | 970 | 950 | | | | | 1750 | 60 | 7.5 | Y132M-4H | | | | | | | | | |
| 15000 | 910 | 880 | | | | | | | | | | | | | | | | | |
| 18000 | 840 | 800 | | | | | | | | | | | | | | | | | |
| 21000 | 730 | 680 | | | | | | | | | | | | | | | | | |
| 24000 | 600 | 530 | | | | | | | | | | | | | | | | | |
| 17400 | 655 | 620 | 1460 | 50 | 7.5 | Y132M-4H | | | | | | | | | | | | | |
| 21000 | 600 | 550 | | | | | | | | | | | | | | | | | |
| 24000 | 560 | 495 | | | | | | | | | | | | | | | | | |
| 27000 | 490 | 405 | | | | | | | | | | | | | | | | | |
| 31200 | 410 | 300 | | | | | | | | | | | | | | | | | |
| 21000 | 910 | 860 | | | | | 1750 | 60 | 11 | Y160M-4H | | | | | | | | | |
| 24000 | 895 | 830 | | | | | | | | | | | | | | | | | |
| 27000 | 833 | 750 | | | | | | | | | | | | | | | | | |
| 30000 | 775 | 670 | | | | | | | | | | | | | | | | | |
| 33000 | 675 | 550 | | | | | | | | | | | | | | | | | |
| 36000 | 600 | 450 | | | | | | | | | | | | | | | | | |
| CZF-95A | 25500 | 710 | 650 | 1460 | 50 | 11 | Y160M-4H | | | | | | | | | | | | |
| | 30000 | 685 | 600 | | | | | | | | | | | | | | | | |
| | 33000 | 670 | 570 | | | | | | | | | | | | | | | | |
| | 36000 | 640 | 520 | | | | | | | | | | | | | | | | |
| | 39000 | 590 | 450 | | | | | | | | | | | | | | | | |
| | 42000 | 525 | 360 | | | | | | | | | | | | | | | | |
| CZF-95A | 30000 | 1035 | 950 | 1750 | 60 | 18.5 | Y180M-4H | | | | | | | | | | | | |
| | 33000 | 1000 | 900 | | | | | | | | | | | | | | | | |
| | 36000 | 1000 | 880 | | | | | | | | | | | | | | | | |
| | 39000 | 970 | 830 | | | | | | | | | | | | | | | | |
| | 42000 | 925 | 760 | | | | | | | | | | | | | | | | |
| | 48000 | 795 | 580 | | | | | | | | | | | | | | | | |
| CZF-100A | 25800 | 330 | 280 | 970 | 50 | 5.5 | Y132M2-6H | | | | | | | | | | | | |
| | 30000 | 310 | 240 | | | | | | | | | | | | | | | | |
| | 33000 | 290 | 210 | | | | | | | | | | | | | | | | |
| | 36000 | 270 | 175 | | | | | | | | | | | | | | | | |
| | 39000 | 245 | 130 | | | | | | | | | | | | | | | | |
| | 30000 | 490 | 420 | | | | | 1160 | 60 | 7.5 | Y160M-6H | | | | | | | | |
| 33000 | 470 | 390 | | | | | | | | | | | | | | | | | |
| 36000 | 460 | 360 | | | | | | | | | | | | | | | | | |
| 39000 | 435 | 320 | | | | | | | | | | | | | | | | | |
| 42000 | 405 | 270 | | | | | | | | | | | | | | | | | |
| 48000 | 325 | 150 | | | | | | | | | | | | | | | | | |
| CZF-100B | 30000 | 440 | 370 | 970 | 50 | 7.5 | Y160M-6H | | | | | | | | | | | | |
| | 33000 | 420 | 340 | | | | | | | | | | | | | | | | |
| | 36000 | 400 | 300 | | | | | | | | | | | | | | | | |
| | 39000 | 375 | 260 | | | | | | | | | | | | | | | | |
| | 42000 | 345 | 210 | | | | | | | | | | | | | | | | |
| | 45000 | 280 | 130 | | | | | | | | | | | | | | | | |
| CZF-100B | 36000 | 630 | 540 | 1160 | 60 | 11 | Y160L-6H | | | | | | | | | | | | |
| | 39000 | 615 | 500 | | | | | | | | | | | | | | | | |
| | 42000 | 585 | 450 | | | | | | | | | | | | | | | | |
| | 48000 | 495 | 320 | | | | | | | | | | | | | | | | |
| | 54000 | 430 | 210 | | | | | | | | | | | | | | | | |

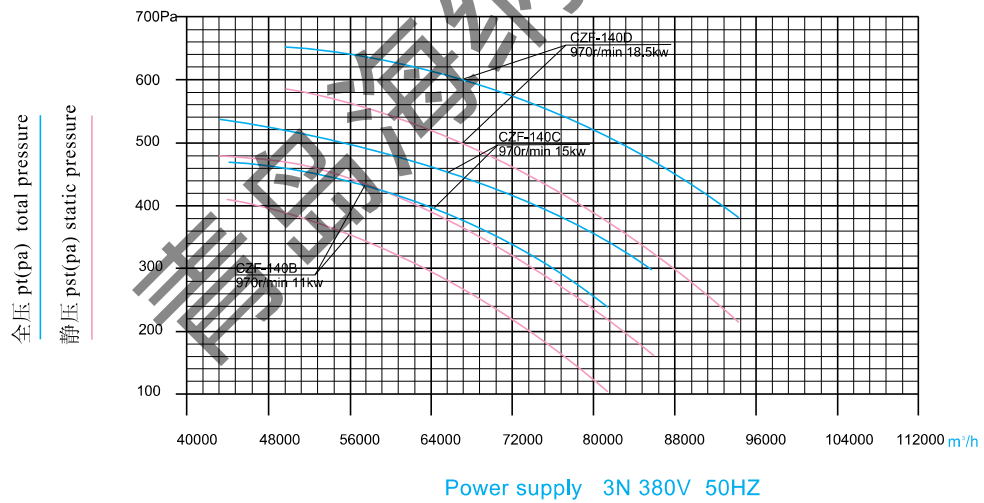
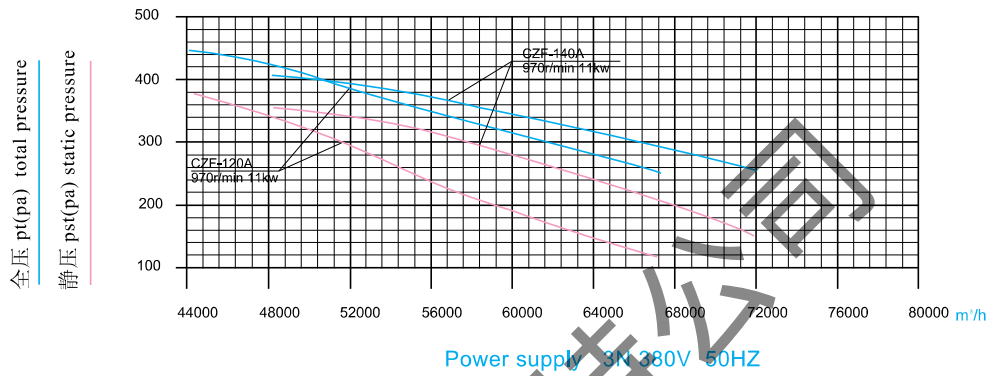
主要性能参数及外形安装尺寸
Main Property Parameters and Outline Dimensions

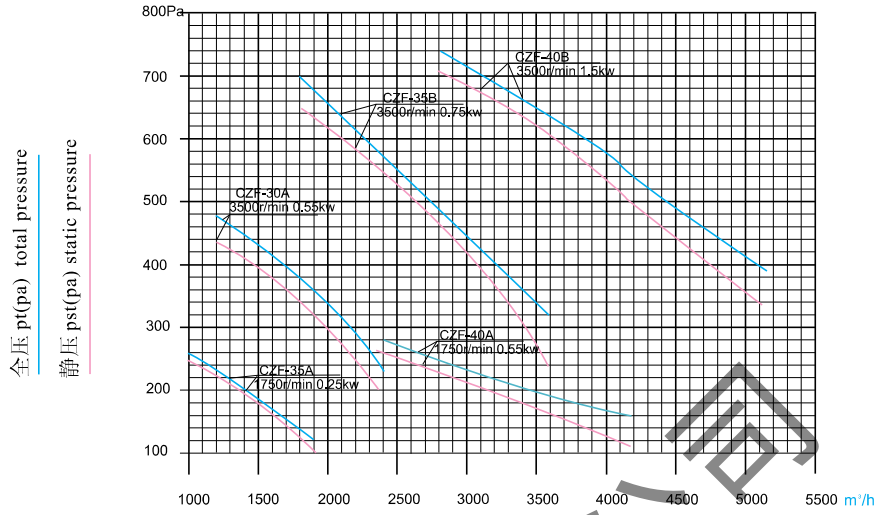
| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 motor | | | 外形尺寸 dimensions (mm) | | | | | | | 重量 weight ≈kg |
|------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|------------------|-------------------|------------------------|----------------------|----------------|----------------|-----|----|----|----|---------------------|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | D ₁ | D ₂ | D ₃ | L | T | n | d | |
| CZF-110A | 36000 | 370 | 300 | 970 | 50 | 7.5 | Y160M-6H | 1100 | 1170 | 1210 | 750 | 12 | 20 | 19 | 500 |
| | 39000 | 355 | 275 | | | | | | | | | | | | |
| | 42000 | 330 | 240 | | | | | | | | | | | | |
| | 45000 | 315 | 210 | | | | | | | | | | | | |
| | 48000 | 290 | 170 | | | | | | | | | | | | |
| | 51000 | 275 | 140 | | | | | | | | | | | | |
| CZF-120A | 42000 | 540 | 450 | 1160 | 60 | 11 | Y160L-6H | 1200 | 1280 | 1330 | 750 | 16 | 20 | 24 | 660 |
| | 48000 | 520 | 400 | | | | | | | | | | | | |
| | 54000 | 470 | 320 | | | | | | | | | | | | |
| | 60000 | 385 | 200 | | | | | | | | | | | | |
| | 63000 | 365 | 160 | | | | | | | | | | | | |
| | 48000 | 435 | 350 | | | | | | | | | | | | |
| 51000 | 385 | 290 | | | | | | | | | | | | | |
| 54000 | 365 | 260 | | | | | | | | | | | | | |
| 57000 | 350 | 230 | | | | | | | | | | | | | |
| 60000 | 320 | 190 | | | | | | | | | | | | | |
| 63000 | 305 | 160 | | | | | | | | | | | | | |
| CZF-140A | 51000 | 615 | 520 | 1160 | 60 | 15 | Y180L-6H | 1400 | 1480 | 1530 | 900 | 16 | 24 | 24 | 830 |
| | 54000 | 605 | 500 | | | | | | | | | | | | |
| | 60000 | 550 | 420 | | | | | | | | | | | | |
| | 66000 | 500 | 340 | | | | | | | | | | | | |
| | 72000 | 440 | 250 | | | | | | | | | | | | |
| | 78000 | 380 | 160 | | | | | | | | | | | | |
| CZF-140B | 48000 | 405 | 360 | 970 | 50 | 11 | Y160L-6H | 1400 | 1480 | 1530 | 900 | 16 | 24 | 24 | 830 |
| | 54000 | 380 | 320 | | | | | | | | | | | | |
| | 60000 | 350 | 280 | | | | | | | | | | | | |
| | 66000 | 305 | 220 | | | | | | | | | | | | |
| | 72000 | 260 | 160 | | | | | | | | | | | | |
| | 54000 | 580 | 520 | | | | | | | | | | | | |
| 60000 | 560 | 490 | | | | | | | | | | | | | |
| 66000 | 545 | 460 | | | | | | | | | | | | | |
| 72000 | 490 | 390 | | | | | | | | | | | | | |
| 78000 | 430 | 310 | | | | | | | | | | | | | |
| 84000 | 390 | 250 | | | | | | | | | | | | | |
| CZF-140C | 45000 | 470 | 430 | 970 | 50 | 11 | Y160L-6H | 1400 | 1480 | 1530 | 900 | 16 | 24 | 24 | 830 |
| | 54000 | 450 | 390 | | | | | | | | | | | | |
| | 60000 | 410 | 340 | | | | | | | | | | | | |
| | 66000 | 375 | 290 | | | | | | | | | | | | |
| | 72000 | 310 | 210 | | | | | | | | | | | | |
| | 78000 | 270 | 150 | | | | | | | | | | | | |
| CZF-140D | 54000 | 680 | 620 | 1160 | 60 | 18.5 | Y200L ₁ -6H | 1400 | 1480 | 1530 | 900 | 16 | 24 | 24 | 850 |
| | 60000 | 660 | 590 | | | | | | | | | | | | |
| | 72000 | 600 | 500 | | | | | | | | | | | | |
| | 84000 | 480 | 340 | | | | | | | | | | | | |
| | 90000 | 420 | 260 | | | | | | | | | | | | |
| | 48000 | 525 | 480 | | | | | | | | | | | | |
| 54000 | 510 | 450 | | | | | | | | | | | | | |
| 60000 | 490 | 420 | | | | | | | | | | | | | |
| 66000 | 465 | 380 | | | | | | | | | | | | | |
| 72000 | 420 | 320 | | | | | | | | | | | | | |
| 78000 | 370 | 250 | | | | | | | | | | | | | |
| CZF-140D | 54000 | 650 | 590 | 970 | 50 | 18.5 | Y200L ₁ -6H | 1400 | 1480 | 1530 | 900 | 16 | 24 | 24 | 850 |
| | 60000 | 640 | 570 | | | | | | | | | | | | |
| | 66000 | 605 | 520 | | | | | | | | | | | | |
| | 72000 | 570 | 470 | | | | | | | | | | | | |
| | 78000 | 530 | 410 | | | | | | | | | | | | |
| | 84000 | 490 | 350 | | | | | | | | | | | | |
| CZF-140D | 66000 | 935 | 850 | 1160 | 60 | 30 | Y225M-6H | 1400 | 1480 | 1530 | 900 | 16 | 24 | 24 | 950 |
| | 78000 | 890 | 770 | | | | | | | | | | | | |
| | 90000 | 820 | 660 | | | | | | | | | | | | |
| | 102000 | 685 | 480 | | | | | | | | | | | | |
| | 108000 | 630 | 400 | | | | | | | | | | | | |
| | 114000 | 595 | 340 | | | | | | | | | | | | |



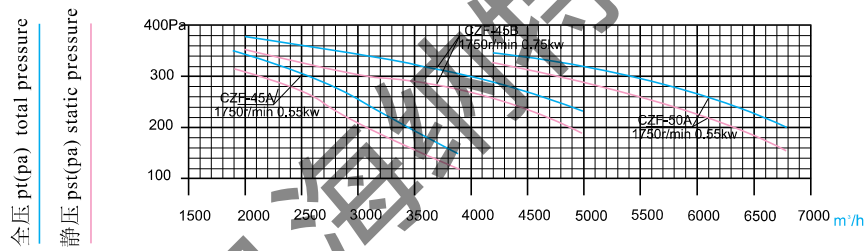


风机特性曲线图 Characteristic Curves
380V 50HZ





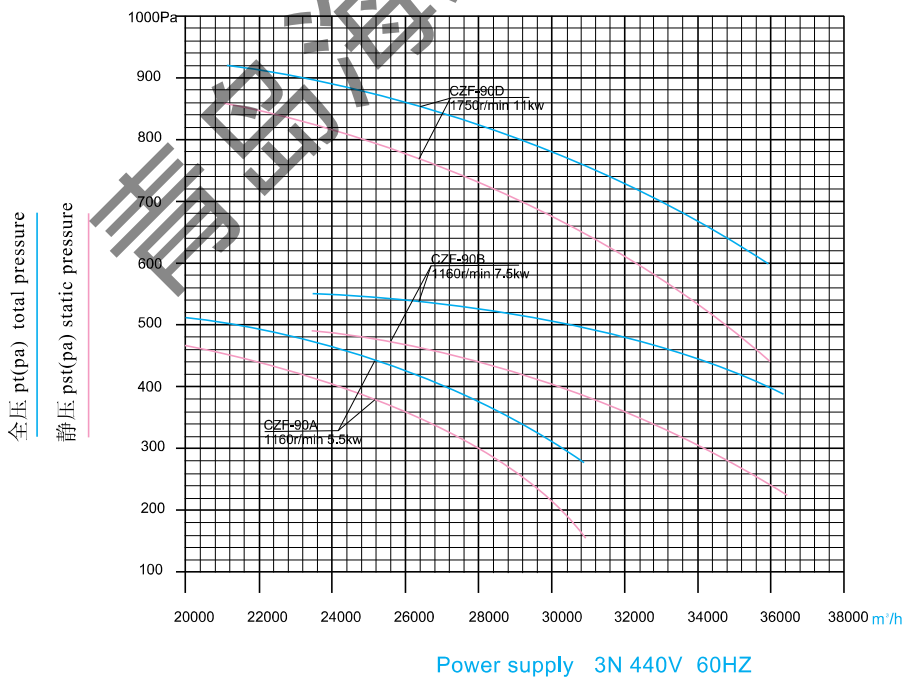
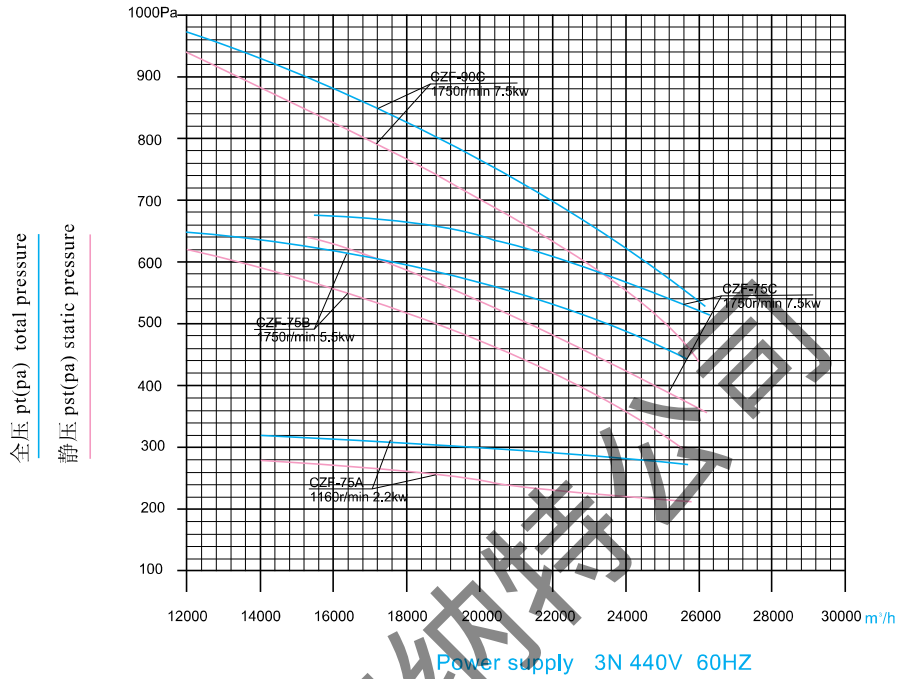
Power supply 3N 440V 60HZ

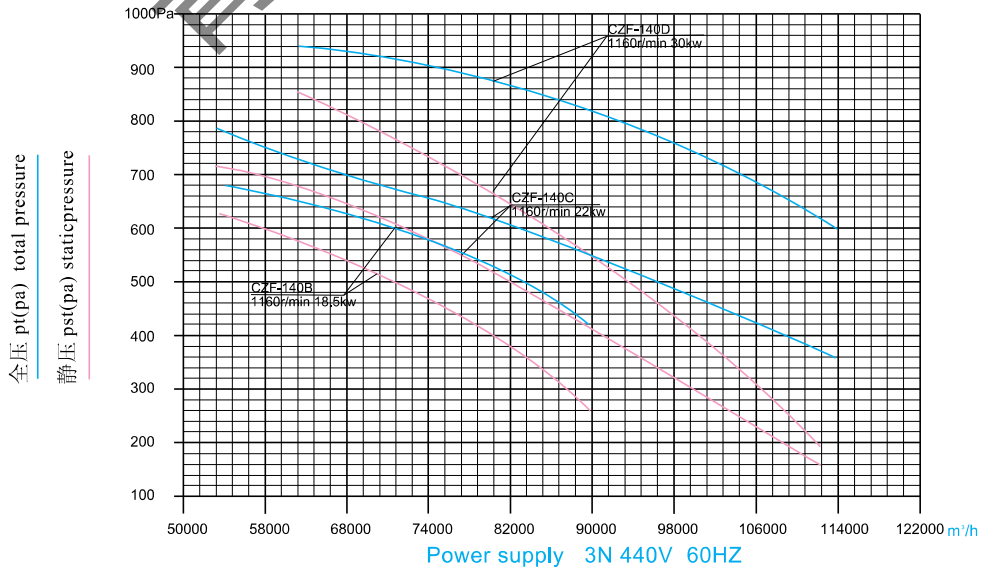
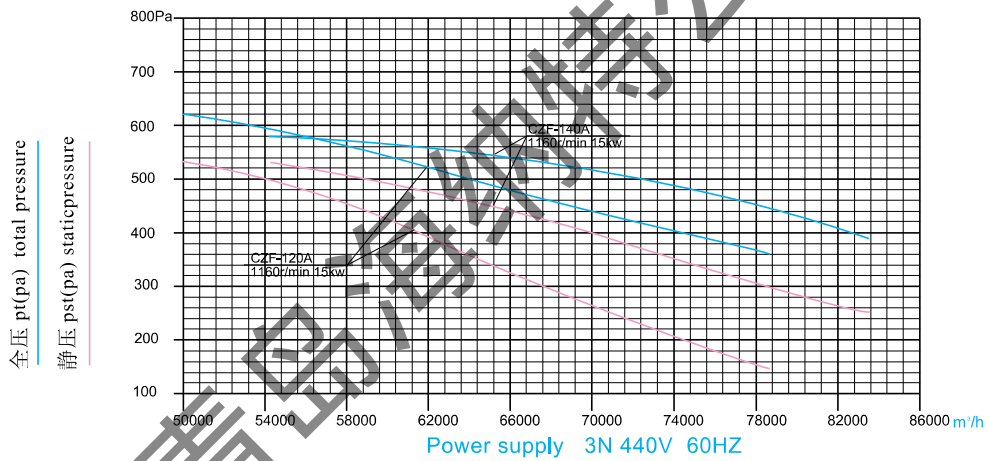
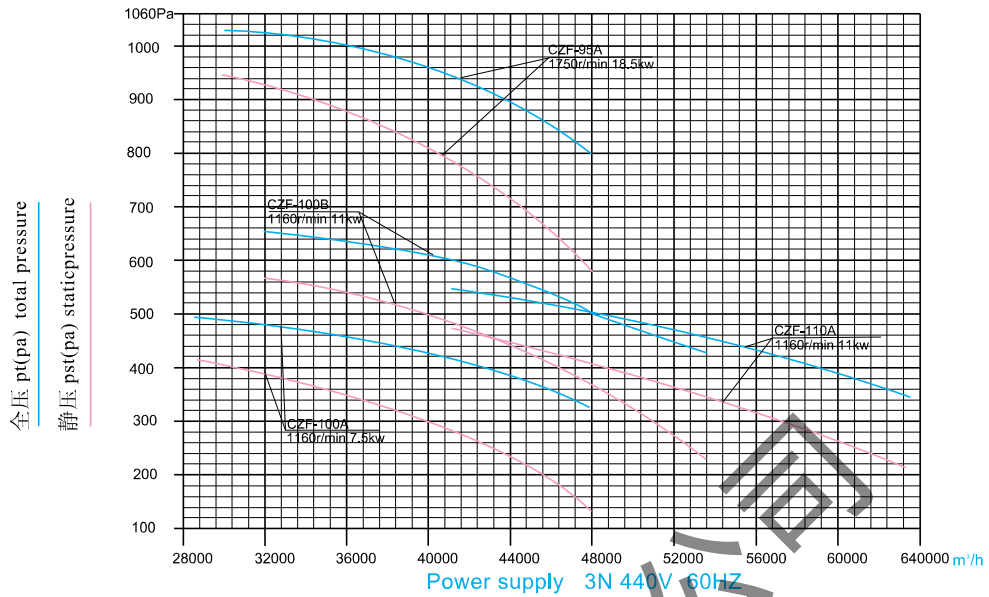


Power supply 3N 440V 60HZ



Power supply 3N 440V 60HZ





CDZ系列舰船用低噪声轴流通风机 CDZ Series Marine Or Navy Low-Noise Axial Fans

一、概述

CDZ系列舰船用低噪声轴流通风机（以下简称通风机）是我厂与上海船舶设计研究所共同开发的一种新型节能、低噪声舰船用产品。具有效率高、噪声低、运转平稳和满足舰船用条件要求等特点。它适用于各种舰船的通风换气，也适用于其他相适应的场合。

二、特点

通风机采用变环量法设计。根据通风机的参数选取合理的变环量系数，合理分配叶片各个截面上的特性速度和长度等，叶片采用阔形叶片，从而充分利用了叶尖处的高圆周速度，使通风机具有效率高、噪声低、流量系数和压力系数大、重量轻等特点。

通风机在设计 and 制造中充分考虑到舰船用的特殊条件要求：叶轮经过严格的动平衡校正、超速试验，故通风机具有耐蚀性好、抗摇摆、抗冲击、振动、运转平稳和安全可靠等特点。

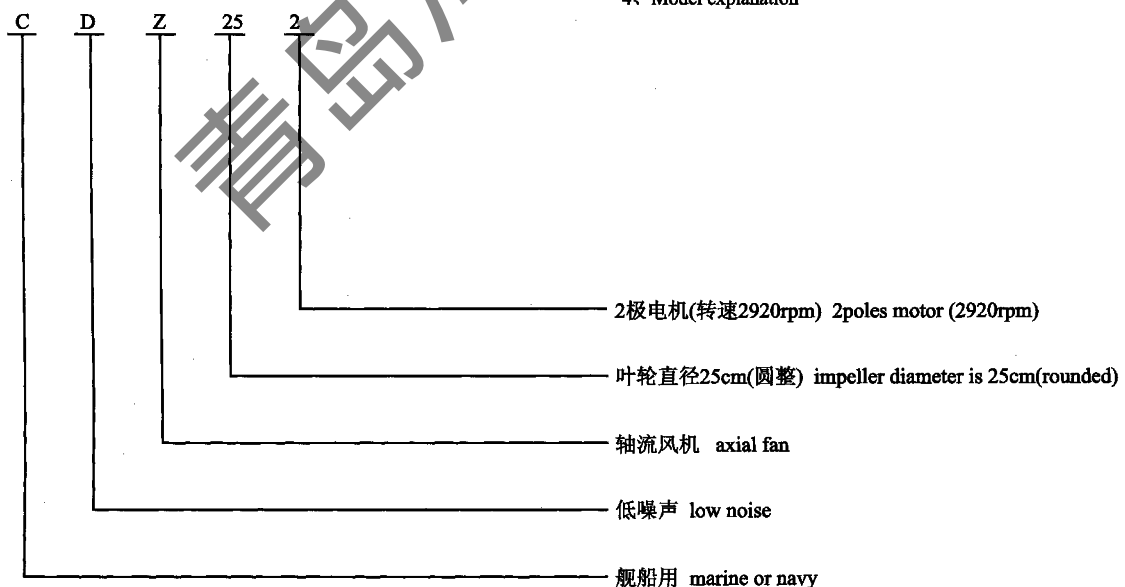
三、结构型式

叶轮由铝板模压成的叶片与钢制镀锌的轮盘铆接而成，机壳与支架等由普通钢板制成，并经防腐处理。

通风机制成从电动机端正视，叶轮按逆时针方向旋转。由于通风机叶片由铝板制成，故适用于低压、大流量的场合。

通风机可配用舰船用交流电动机。

四、型号说明



1. General

CDZ Series marine or navy low-noise axial fans (thereafter called the fan) are new-type & energy-save, low-noise marine products which are developed by our factory and Shanghai Marine Design & Research Institute. They have the features of high-efficiency, low-noise, stable-turning, meeting the marine conditions, etc. They are suitable for every cabin air ventilating and exchanging on ships. They are also applicable in other places that suit.

2. Features

The fans are designed according to arbitrary vortex flow method. We choose the most reasonable vortex flow coefficient on the basis of the fans, specification, distribute every sectional characteristic speed & length of the vanes, make full use of the high peripheral velocity of the vane point. Therefore, they have the features of high-efficiency, low-noise, large-flow & pressure coefficient, light-weight, etc.

In the course of designing & manufacturing, we had thought fully of the marine special conditions, they impellers are strictly made by dynamic balance adjustment & over speed test. Therefore, the fans also have the features of good-corrosive resistance, resistance to swing, resistance to shock and vibration, stable turning, safety & reliability, etc.

3. Structure

The impeller is riveted by vane which is pressed by aluminium sheet die set and hub boss which is steel-galvanized. The casing and support are made of common steel and the are treated in corrosion resistance.

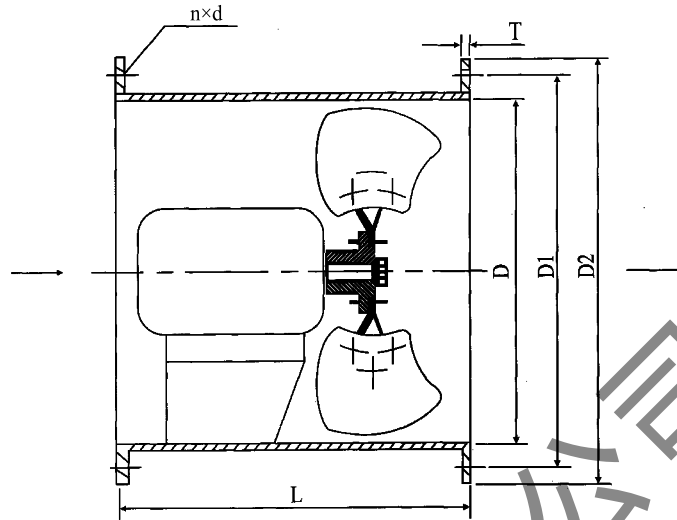
Looking directly from the motor side, the impeller turn counter clockwise.

Because that the fan's vane are made of aluminium sheet, it suits for using in the conditions of low-pressure, large-flow.

The fans can clocate with the marine or navy AC motor.

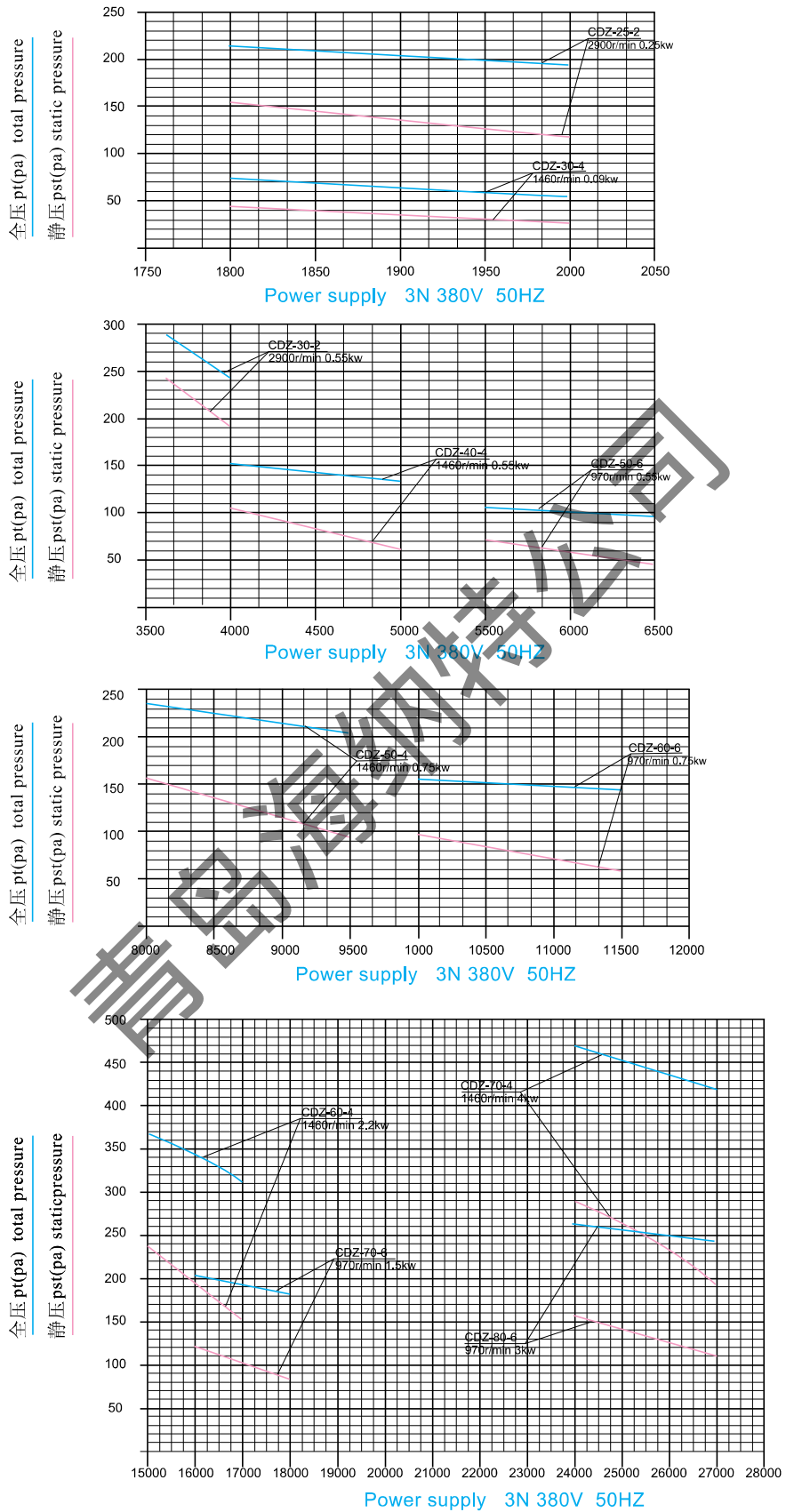
4. Model explanation

主要性能参数及外形式安装尺寸
Main Property Parameters and Outline Dimensions



| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 转速 speed r/min | 噪声 noise dB(A) | 电动机 motor | | | 外形尺寸 dimensions (mm) | | | | | 重量 weight ≈kg | |
|------------|--------------------------------------|-------------------------------|----------------------|----------------------|------------------|-------------------|------------------------|----------------------|----------------|----------------|-----|----|---------------------|------|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | D | D ₁ | D ₂ | L | T | | n×d |
| CDZ-25-2 | 1800-2000 | 215-195 | 2900 | 69 | 50 | 0.25 | Y632-2H | 254 | 290 | 314 | 330 | 8 | 8×Φ10 | 15 |
| CDZ-30-2 | 3600-4000 | 290-245 | 2900 | 74 | 50 | 0.55 | Y712-2H | 305 | 345 | 375 | 380 | 8 | 8×Φ12 | 26 |
| CDZ-30-4 | 1800-2000 | 75-55 | 1460 | 60 | 50 | 0.09 | Y562-4H | | | | | | | 22 |
| CDZ-40-4 | 4000-5000 | 155-135 | 1460 | 71-72 | 50 | 0.55 | Y801-4H | 405 | 445 | 475 | 430 | 8 | 12×Φ12 | 43 |
| CDZ-50-4 | 8000-9500 | 235-205 | 1460 | 76-78 | 50 | 0.75 | Y802-4H | 506 | 560 | 595 | 450 | 10 | 12×Φ15 | 53 |
| CDZ-50-6 | 5500-6500 | 108-98 | 970 | 67-69 | 50 | 0.55 | Y802-6H | | | | | | | 45.5 |
| CDZ-60-4 | 15000-17000 | 370-320 | 1460 | 81-82 | 50 | 2.2 | Y100L ₁ -4H | 606 | 660 | 695 | 550 | 10 | 12×Φ15 | 92 |
| CDZ-60-6 | 10000-11500 | 155-145 | 970 | 72-73 | 50 | 0.75 | Y90S-6H | | | | | | | 78 |
| CDZ-70-4 | 24000-27000 | 470-420 | 1460 | 85-86 | 50 | 4 | Y112M-4H | 706 | 760 | 795 | 600 | 12 | 16×Φ15 | 85 |
| CDZ-70-6 | 16000-18000 | 205-185 | 970 | 76-77 | 50 | 1.5 | Y100L-6H | | | | | | | 73 |
| CDZ-80-6 | 24000-27000 | 265-245 | 970 | 81-82 | 50 | 3 | Y123S-6H | 800 | 870 | 910 | 720 | 12 | 16×Φ19 | 103 |

风机特性曲线图 Characteristic Curves
380V 50HZ



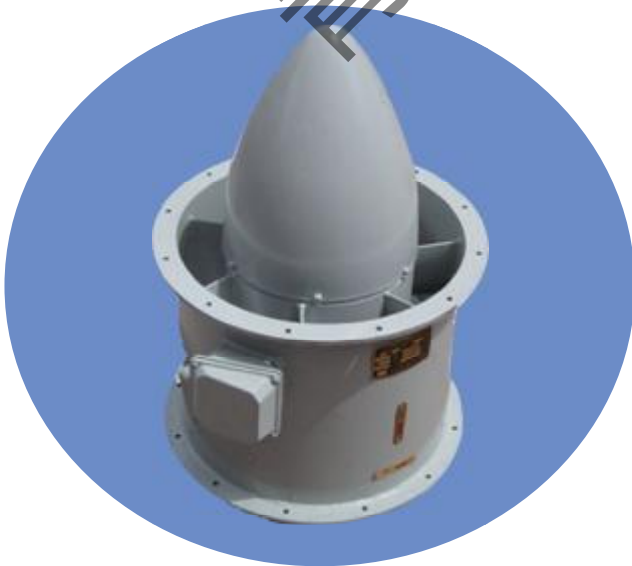
CLZ 系列舰船用轴流通风机 CLZ Series Marine Or Navy Axial Fans

一、概述

CLZ系列舰船用轴流通风机(以下简称通风机)用于船舶舱室通风换气,既可用于向舱室输风,也可由舱室抽风,被输送的空气可含有海洋空气所具有的盐份以及蓄电池自然蒸发所形成的少量酸蒸气。被输送的空气温度不超过50℃。

二、基本结构

- CLZ 风机主要由电动机、叶轮、机壳、扩压锥、整流器等部分组成。
- 机壳-由足够厚的钢板制成。由内筒、外筒及静叶三部分组成,外筒进出口两端有法兰,以便与通风管道连接。内外筒间由静叶片连接,静叶片同时又起导风作用。
- 电动机--为电机厂生产的专用电动机。全封闭结构,能自行通风,耐盐雾、耐振动和冲击,为内装电机(装在内筒中),电动机型式为 ZZ T-H 型船用电机(额定电压 220V)及 Y-H 船用异步电动机(额定电压 220V / 380V 二种)
- 叶轮-由轮毂和一组机翼型叶片组成,经严格的动平衡,直接安装在电机轴上,材料为防腐铸造铝合金。
- 整流器与扩压锥--是为了减少气流涡旋。提高风机效率而设的,整流器安装在进风口端,扩压锥安装在出风口端,其材质为玻璃钢。
- 表面涂层--涂底漆和船用饰漆。



1.General

CLZ series marine or navy axial fan for marine use (vertical type), or simply type CLZ fans, are designed primarily for ventilation of the machinery room and each compartment. The construction can be delivered for air supply or air exhaust, the ocean air containing salt fog or acid vapour vapourized from battery occur. Temperature of the air transferred can not exceed 50℃.

2.Construction

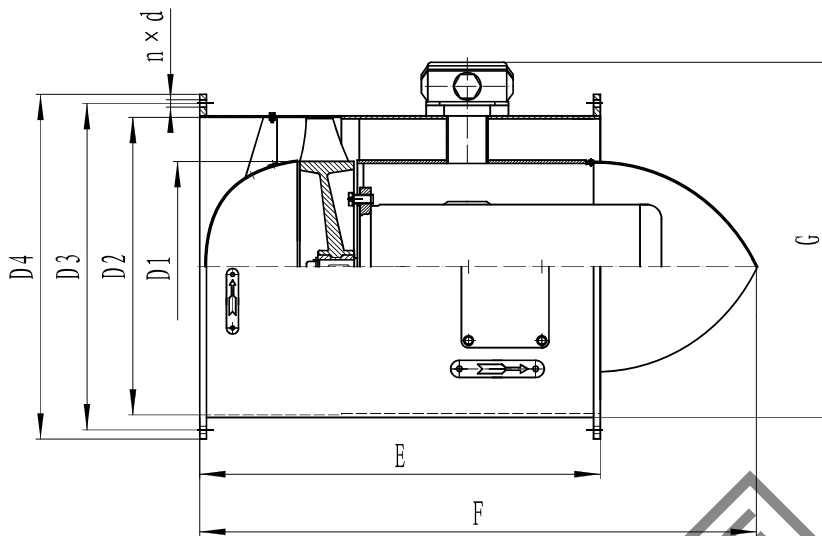
- Type CLZ fan consists of the impeller, Casing, motor, guide cowl, conical diffuser, etc
- Casing is made of steel plate of having ample thickness, being composed of an inner cylinder, a shell and a downstream guide vane. The shell is made in the shape of a cylindrical duct with flanges for connection of ducts at both ends. The inner cylinder and the shell is connected with the downstream guide vane used to guide the air flow.
- Motor-Built-in Motor type (to be mounted on the inner cylinder) which is manufactured by the motor factory is specially designed to suit CLZ fan construction, it is totally enclosed, natural cooled, and it is capable of standing salt spray, vibration or shocking. There are two types: ZZT-H Series DC marine motor (rated voltage 220V) and Y-H series AC marine motor (rated voltage 220/380V)
- Propeller is made of corrosion-resistant aluminium alloy (cast), being carefully balanced and mounted directly on the motor shaft extension.
- The guide cowl installed on the inlet and the conical diffuser installed on the outlet are used to cut the vortex of the air flow, to ensure higher efficiency of the fan. Material: reinforced plastics
- Finish--The fan are either primed and painted with marine paint.

性能参数表
Property Parameters Table

| 序号 No. | 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 转速 speed r/min | 轴功率 shaft Power kw | 电动机 motor | |
|-----------|--------------|--------------------------------------|----------------------------|----------------------|--------------------------|--------------------------|----------|
| | | | | | | 型号 type | 功率 power |
| 1 | CLZ1-Z J | 1600 | 200 | 2900 | 0.142 | ZZT ₂ /30-H | 0.2 |
| | | | | | | AsH102T ₂ P | 0.25 |
| 2 | CLZ2-Z J | 1600 | 350 | 2900 | 0.219 | ZZT ₄ /30-H | 0.4 |
| | | | | | | Y712-2H | 0.55 |
| 3 | CLZ3-Z J | 2500 | 300 | 2900 | 0.292 | ZZT ₄ /30-H | 0.4 |
| | | | | | | Y712-2H | 0.55 |
| 4 | CLZ4-Z J | 2500 | 500 | 2900 | 0.512 | ZZT ₈ /30-H | 0.8 |
| | | | | | | Y801-2H | 0.75 |
| 5 | CLZ5-Z J | 4000 | 400 | 2900 | 0.63 | ZZT ₈ /30-H | 0.8 |
| | | | | | | Y801-2H | 0.75 |
| 6 | CLZ6-Z J | 4000 | 700 | 2900 | 1.12 | ZZT ₁₅ /30-H | 1.5 |
| | | | | | | Y90S-2H | 1.5 |
| 7 | CLZ7-Z J | 6000 | 750 | 2900 | 1.53 | ZZT ₂₂ /30-H | 2.2 |
| | | | | | | Y90L-2H | 2.2 |
| 8 | CLZ8-Z J | 9000 | 800 | 2900 | 2.6 | ZZT ₃₀ /30-H | 3 |
| | | | | | | Y100L-2H | 3 |
| 9 | CLZ9-Z J | 12000 | 500 | 1450 | 2.1 | ZZT ₃₀ /15-H | 3 |
| | | | | | | Y100L ₂ -4H | 3 |
| 10 | CLZ10-Z J | 12000 | 900 | 1450 | 3.8 | ZZT ₅₅ /15-H | 5.5 |
| | | | | | | Y132S-4H | 5.5 |
| 11 | CLZ11-Z J | 16000 | 500 | 1450 | 3.3 | ZZT ₄₀ /15-H | 4 |
| | | | | | | Y112M-4H | 4 |
| 12 | CLZ12-Z J | 16000 | 1100 | 1450 | 6 | ZZT ₇₅ /15-H | 7.5 |
| | | | | | | Y132M-4H | 7.5 |
| 13 | CLZ13-Z J | 25000 | 600 | 1450 | 5.2 | ZZT ₇₅ /15-H | 7.5 |
| | | | | | | Y132M-4H | 7.5 |
| 14 | CLZ14-Z J | 25000 | 1100 | 1450 | 10.2 | ZZT ₁₃₀ /15-H | 13 |
| | | | | | | Y160L-4H | 15 |

备注：本表所列性能均指在温度为20℃相对湿度50%，大气压力101325Pa,气体比重1.2Kg/m³,标准转速下的情况。

Remarks: The performance parameters shown in the table are based on the air conditions of absolute pressure 101325Pa, temperature 20°C, relative humidity 50%, specific gravity 1.2Kg/m³, and standard speed shown in the table.



通风机外形尺寸表
Outline Dimensions Of Vertical Type Axial-Flow Fans For Marine Use

| 型号 type | 电动机 motor | | D1 | D2 | D3 | D4 | E | F | G | n × d | 重量 weight ≈kg | |
|---------------|---------------------------------------|-------|------|-----|-----|-----|-----|------|------|-------|---------------------|------|
| | 型号 type | r/min | | | | | | | | | | kw |
| CLZ1- Z J | ZZT ₂ /30-H | 2900 | 0.2 | 162 | 280 | 320 | 350 | 360 | 587 | 427 | 12×Φ9 | 45 |
| | AsH102T ₂ P | | 0.25 | | | | | | | | | 250 |
| CLZ2- Z J | ZZT ₄ /30-H | 2900 | 0.4 | 180 | 260 | 305 | 330 | 430 | 606 | 407 | 12×Φ9 | 52 |
| | A ₃ H-6322T ₂ 类 | | 0.55 | | | | | | | | | 280 |
| CLZ3- Z J | ZZT ₄ /30-H | 2900 | 0.4 | 162 | 320 | 360 | 390 | 430 | 606 | 467 | 12×Φ9 | 58 |
| | A ₃ H-6322T ₂ 类 | | 0.55 | | | | | | | | | 280 |
| CLZ4- Z J | ZZT ₈ /30-H | 2900 | 0.8 | 195 | 320 | 360 | 390 | 500 | 726 | 465 | 12×Φ9 | 78 |
| | Y801-2H | | 0.75 | | | | | | | | | 330 |
| CLZ5- Z J | ZZT ₈ /30-H | 2900 | 0.8 | 195 | 350 | 390 | 420 | 510 | 736 | 495 | 12×Φ9 | 83 |
| | Y801-2H | | 0.75 | | | | | | | | | 330 |
| CLZ6- Z J | ZZT ₁₅ /30-H | 2900 | 1.5 | 280 | 420 | 460 | 490 | 560 | 880 | 570 | 12×Φ9 | 144 |
| | Y90S-2H | | 1.5 | | | | | | | | | 360 |
| CLZ7- Z J | ZZT ₂₂ /30-H | 2900 | 2.2 | 280 | 440 | 480 | 510 | 600 | 920 | 590 | 12×Φ9 | 88 |
| | Y90L-2H | | 2.2 | | | | | | | | | 400 |
| CLZ8- Z J | ZZT ₃₀ /30-H | 2900 | 3 | 280 | 500 | 560 | 590 | 620 | 940 | 660 | 12×Φ11 | 182 |
| | Y100L-2H | | 3 | | | | | | | | | 400 |
| CLZ9- Z J | ZZT ₃₀ /15-H | 1450 | 3 | 410 | 640 | 700 | 732 | 740 | 1260 | 801 | 12×Φ11 | 312 |
| | Y100L ₂ -4H | | 3 | | | | | | | | | 500 |
| CLZ10- Z J | ZZT ₅₅ /15-H | 1450 | 5.5 | 410 | 640 | 700 | 732 | 1166 | 1633 | 801 | 12×Φ11 | 474 |
| | Y132S-4H | | 5.5 | | | | | | | | | 1020 |
| CLZ11- Z J | ZZT ₄₀ /15-H | 1450 | 4 | 410 | 700 | 760 | 792 | 765 | 1285 | 861 | 12×Φ11 | 358 |
| | Y112M-4H | | 4 | | | | | | | | | 500 |
| CLZ12- Z J | ZZT ₇₅ /15-H | 1450 | 7.5 | 410 | 700 | 760 | 792 | 1198 | 1665 | 861 | 12×Φ11 | 524 |
| | Y132M-4H | | 7.5 | | | | | | | | | 1020 |
| CLZ13- Z J | ZZT ₇₅ /15-H | 1450 | 7.5 | 440 | 780 | 836 | 870 | 810 | 1375 | 940 | 12×Φ11 | 384 |
| | Y132M-4H | | 7.5 | | | | | | | | | 530 |
| CLZ14- Z J | ZZT ₁₃₀ /15-H | 1450 | 13 | 440 | 780 | 836 | 870 | 1406 | 1916 | 940 | 12×Φ11 | 700 |
| | Y160L-4H | | 15 | | | | | | | | | 1090 |

注：重量为包括电机在内的总重量5%（标准设计重量）
Remad:weight(WT)shown im the table including fan and motor.

CWZ 系列舰船用小型轴流通风机 CWZ Series Marine or Navy Small-sized Axial Fans

一、概述

CWZ系列舰船用小型轴流通风机（以下简称“通风机”）可适用于各种军舰与民船上的厨房、厕所、舱壁、公共场所、会议室等通风换气，也可适用于其他适当的场合。

二、特点

通风机采用变环量法设计。根据通风机的参数选取合理的变环量系数，合理分配叶片各个截面上的特性速度和长度等，通风机具有噪声低、尺寸小、重量轻、性能稳定等特点。

通风机在设计 and 制造过程中充分考虑到舰船用的特殊条件要求：叶轮经过严格的动平衡校正、超速试验、故通风机具有耐腐蚀性好、抗摇摆、抗冲击、振动、运转平稳和安全可靠等特点。

通风机适用于380V/220V, 50Hz或440V/220V, 60Hz的场所。

三、结构型式

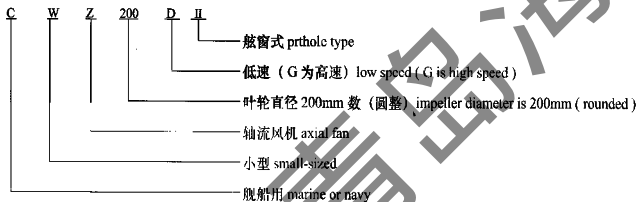
通风机可分为 I 型管道式、II 型舷窗式两种结构：

I 型管道式可直接用于短管道或安装在舱壁上通风。

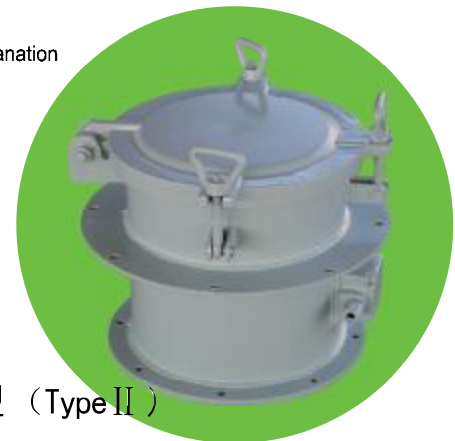
II 型舷窗式可固定装于舷窗和舱壁上，由于有水密封装置，可方便地开启、关闭以防海水、雨水进入。

通风机叶轮为铝合金铸造成型，机壳为钢板焊接成型。

四、型号说明



I 型 (Type I)



II 型 (Type II)

1、General

CWZ series marine or navy small-sized axial fans are suitable for ventilation of kitchen, lavatory, bulkhead, the public place and meeting room etc, in the naval and merchant ships. They are also applicable in other places that suit.

2、Features

The fans are designed according to arbitrary vortex flow method. We choose the most reasonable vortex flow coefficient on the basis of the fans, specification, distribute every sectional characteristic speed length of the vanes, the fans have low-noise, small size, Tight-weight, stable performance, etc.

In the course of designing & manufacturing, we had thought fully of the marine special conditions, the impellers are strictly made by dynamic balance adjustment, over speed test. Therefore, the fans also have the features of good-anticorrosion, anti-swing, vibration resistance, shock resistance, stable running and safety reliable.

The fans can be used with 380V/220V, 50Hz or 440V/220V, 60Hz.

3、Structure

The fans can be made into two structure types, type I (tube type), type II (porthole type):

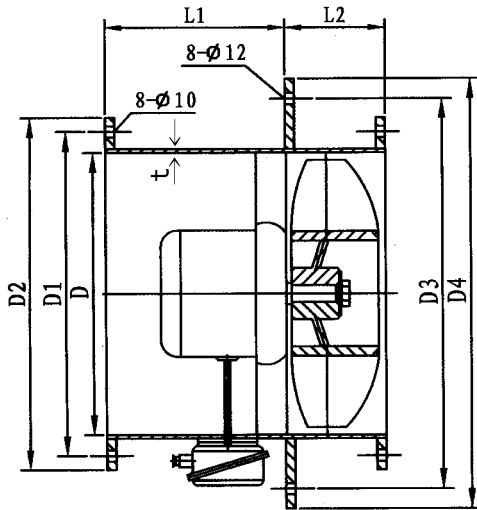
I type—tube type for ventilation of short tubes or fixed on the bulkhead.

II type—fixed on porthole. It can be fixed on the porthole or the bulkhead. Since it's water-proof it can be easily opened or closed to keep rain or sea water out.

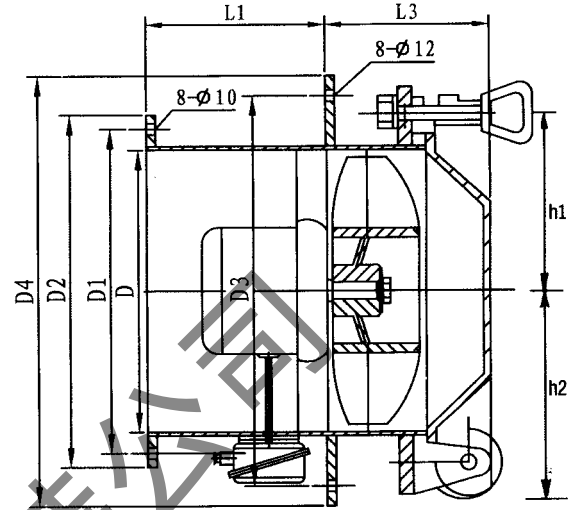
Impeller is made of cast aluminium alloy, casing is welded by steel sheet.

4、Model explanation

主要性能参数及外形安装尺寸
Main Property Parameters and Outline Dimensions



I 型 (Type I)



II 型 (Type II)

| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 转速 speed r/min | 电动机 motor | | | 外形尺寸 mm dimensions | | | | | | | | | | | 重量 weight ≈kg | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--------------------------------------|-------------------------------|----------------------|------------------|-------------------|------------|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|------------------|------|-----|-----|-----|-----|----|-----|-----|-----|---|------|------|-----|-----|-----|-----|----|-----|-----|-----|---|------|------|
| | | | | 频率 freq Hz | 功率 power kw | 型号 type | D | D ₁ | D ₂ | D ₃ | D ₄ | L ₁ | L ₂ | L ₃ | h ₁ | h ₂ | t | I | II | | | | | | | | | | | | | | | | | | | | | | |
| CWZ-200D | 450 | 35 | 1400 | 50 | 0.04 | Y502-4H | 200 | 240 | 264 | 290 | 314 | 110 | 88 | 108 | 146 | 150 | 3 | 12.7 | 14.3 | | | | | | | | | | | | | | | | | | | | | | |
| | 550 | 50 | 1700 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CWZ-200G | 920 | 140 | 2800 | 50 | 0.09 | Y561-2H | | | | | | | | | | | | | | | | | | | | | | | 12.7 | 14.3 | | | | | | | | | | | |
| | 1120 | 200 | 3400 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CWZ-224D | 650 | 40 | 1400 | 50 | 0.04 | Y502-4H | | | | | | | | | | | | 224 | 268 | 288 | 314 | 338 | 156 | 88 | 118 | 158 | 162 | 3 | 14 | 15.8 | | | | | | | | | | | |
| | 790 | 60 | 1700 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CWZ-224G | 1310 | 160 | 2800 | 50 | 0.12 | Y562-2H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14.6 | 16.4 |
| | 1590 | 240 | 3400 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CWZ-250D | 910 | 50 | 1400 | 50 | 0.09 | Y562-4H | | | | | | | | | | | | | | | | | | | | | | | 250 | 290 | 314 | 340 | 364 | 156 | 95 | 125 | 172 | 175 | 3 | 16.2 | 18.5 |
| | 1100 | 75 | 1700 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CWZ-250G | 1810 | 200 | 2800 | 50 | 0.25 | Y632-2H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17.2 | 19.6 |
| | 2210 | 300 | 3400 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CWZ-280 | 1280 | 65 | 1400 | 50 | 0.09 | Y562-4H | 280 | 324 | 344 | 370 | 394 | 156 | 103 | 134 | 187 | 190 | 3 | 20 | 22.5 | | | | | | | | | | | | | | | | | | | | | | |
| | 1550 | 95 | 1700 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

JCL系列舰船用离心通风机

JCL Series Marine Or Navy Centrifugal Fans

一、概述

JCL系列舰船用离心通风机（以下简称“通风机”）可输送空气，含有盐雾的海洋空气和含有油雾、蓄电池自然蒸发形成的少量酸蒸汽等腐蚀性空气，通风机适用于船舶上各种舱室的通风换气、锅炉通风，也可适用于其他适当的场合。

通风机是按照国标GB/T11864-2008《船用离心通风机》和现行的《船舶建造规范》设计制造的。

二、特点

尺寸小、重量轻、低噪声、防腐性好、气密性好、启动力矩小、抗摇摆、振动和冲击性强。

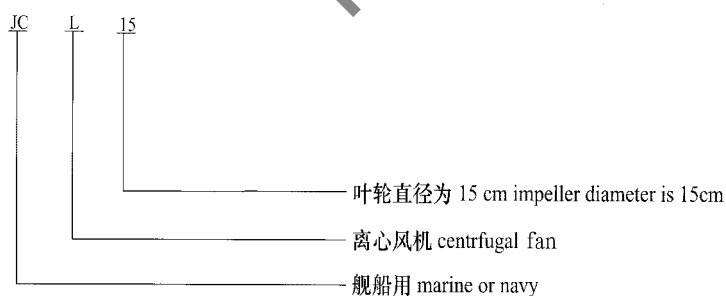
三、结构型式

通风机为卧式，电动机直联式结构，亦可制成立式结构。

叶轮由铝合金材料铆接制成，并经静、动平衡校正。

机壳、进风口等采用普通钢质材料焊接而成，并制成气密式结构。

四、型号说明



1、General

JCL Series marine or navy centrifugal fans(thereafter called the fan) are capable of blowing air , ocean air containing salt vapor, and corrosive air which contains oil vapor and a small quantity of acid steam generated by the natural evaporation off the batteries. They are suitable for cabin air ventilating and exchanging as well as boiler ventilation on ocean-going vessels . They are also applicable in other places that suit.

The fan is designde and manufacturde according to GB/T11864-2008 « Marine Gentrifugal Fan » and the current « Ship Building Norms » .

2、Features

Small size and light weight, low noise and low vibration , good anticorrosive, good airtight, small starting torque, Strong resistance against swing, vibration and shock .

3、Structure

The fan is of horizontal type with direct coupling for the motor However , it can also be constructde into a vertical type.

The impeller is made of riveted alumnjium alloy . It has been undergone both static and dynamic calibrations.

Both the casing and the inlet are made of welded common steel with airtight structure.

4、Model explanation



离心风机旋转方向实物图

Centrifugal Fans Pictures Of Revolving Direction

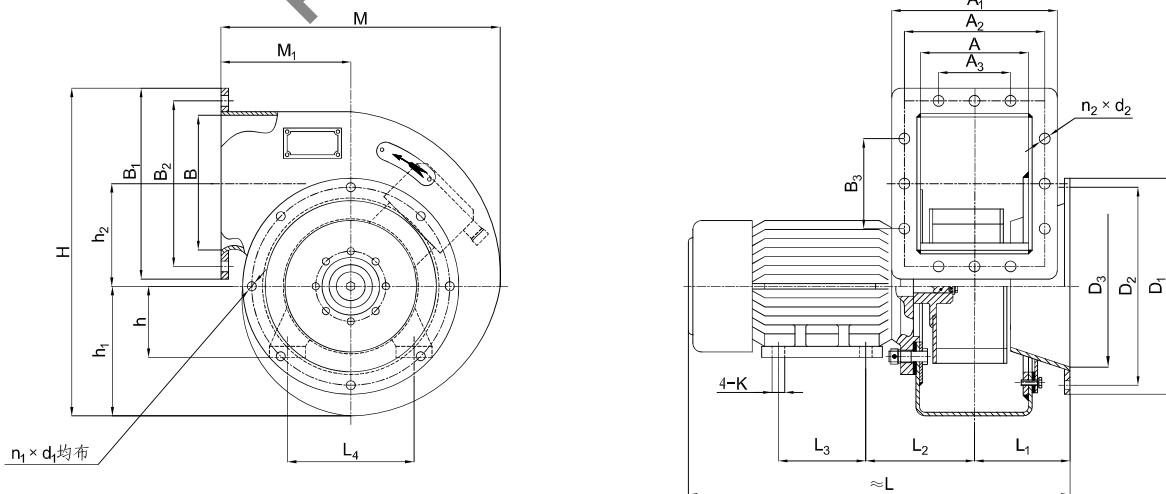


JCL舰船用离心通风机

CENTRIFUGAL FANS FOR MARINE ORNAVY USE

主要性能参数和尺寸

JCL TYPE MAIN PROPERTY PARAMETERS AND DIMENSIONS



JCL系列主要性能参数
JCL Main Property Parameters

| 型号 type | 风量 flow rate m³/h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 Motor | | | A | A ₁ | A ₂ | A ₃ | B | B ₁ | B ₂ | B ₃ | D ₃ | D ₁ | D ₂ |
|------------|-------------------------|----------------------------|-----------------------------|----------------------|------------------|-------------------|------------|-----|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | | | | | | | | | | | |
| JCL-15 | 300 | 570 | 545 | 2920 | 50 | 0.75 | Y801-2H | 105 | 160 | 135 | 60 | 135 | 188 | 165 | 80 | Φ156 | Φ210 | Φ185 |
| | 500 | 550 | 490 | | | | | | | | | | | | | | | |
| | 800 | 540 | 390 | | | | | | | | | | | | | | | |
| | 1000 | 450 | 250 | | | | | | | | | | | | | | | |
| JCL-16 | 360 | 820 | 780 | 3500 | 60 | 0.75 | Y801-2H | 110 | 165 | 140 | 70 | 150 | 203 | 180 | 90 | Φ170 | Φ224 | Φ200 |
| | 600 | 780 | 700 | | | | | | | | | | | | | | | |
| | 960 | 770 | 560 | | | | | | | | | | | | | | | |
| | 1200 | 640 | 360 | | | | | | | | | | | | | | | |
| JCL-17 | 700 | 640 | 550 | 2920 | 50 | 0.75 | Y801-2H | 110 | 165 | 140 | 70 | 150 | 203 | 180 | 90 | Φ180 | Φ234 | Φ210 |
| | 800 | 600 | 490 | | | | | | | | | | | | | | | |
| | 1200 | 590 | 340 | | | | | | | | | | | | | | | |
| | 1300 | 530 | 230 | | | | | | | | | | | | | | | |
| | 840 | 910 | 790 | 1750 | 60 | 0.55 | Y801-4H | 110 | 165 | 140 | 70 | 150 | 203 | 180 | 90 | Φ180 | Φ234 | Φ210 |
| | 960 | 860 | 700 | | | | | | | | | | | | | | | |
| | 1400 | 840 | 490 | | | | | | | | | | | | | | | |
| | 1550 | 750 | 330 | | | | | | | | | | | | | | | |
| JCL-18 | 600 | 740 | 680 | 2920 | 50 | 0.75 | Y801-2H | 125 | 180 | 155 | 80 | 155 | 203 | 185 | 100 | Φ190 | Φ244 | Φ220 |
| | 800 | 700 | 590 | | | | | | | | | | | | | | | |
| | 1200 | 690 | 440 | | | | | | | | | | | | | | | |
| | 1350 | 640 | 350 | | | | | | | | | | | | | | | |
| | 350 | 330 | 310 | 1750 | 60 | 0.55 | Y801-4H | 125 | 180 | 155 | 80 | 155 | 203 | 185 | 100 | Φ190 | Φ244 | Φ220 |
| | 480 | 250 | 210 | | | | | | | | | | | | | | | |
| | 700 | 240 | 160 | | | | | | | | | | | | | | | |
| | 800 | 230 | 130 | | | | | | | | | | | | | | | |
| 700 | 1020 | 930 | 3500 | 60 | 0.75 | Y801-2H | 125 | 180 | 155 | 80 | 155 | 203 | 185 | 100 | Φ190 | Φ244 | Φ220 | |
| 960 | 1000 | 840 | | | | | | | | | | | | | | | | |
| 1400 | 990 | 630 | | | | | | | | | | | | | | | | |
| 1600 | 920 | 500 | | | | | | | | | | | | | | | | |
| JCL-19 | 1000 | 870 | 710 | 2920 | 50 | 0.75 | Y801-2H | 140 | 195 | 175 | 80 | 180 | 233 | 215 | 120 | Φ200 | Φ254 | Φ235 |
| | 1200 | 810 | 640 | | | | | | | | | | | | | | | |
| | 1500 | 810 | 540 | | | | | | | | | | | | | | | |
| | 1600 | 750 | 470 | | | | | | | | | | | | | | | |
| | 600 | 310 | 250 | 1750 | 60 | 0.55 | Y801-4H | 140 | 195 | 175 | 80 | 180 | 233 | 215 | 120 | Φ200 | Φ254 | Φ235 |
| | 700 | 290 | 230 | | | | | | | | | | | | | | | |
| | 800 | 290 | 220 | | | | | | | | | | | | | | | |
| | 900 | 290 | 200 | | | | | | | | | | | | | | | |
| 1200 | 1116 | 1010 | 3500 | 60 | 1.1 | Y802-2H | 140 | 195 | 175 | 80 | 180 | 233 | 215 | 120 | Φ200 | Φ254 | Φ235 | |
| 1400 | 1100 | 910 | | | | | | | | | | | | | | | | |
| 1800 | 1100 | 780 | | | | | | | | | | | | | | | | |
| 1900 | 1080 | 670 | | | | | | | | | | | | | | | | |
| JCL-20 | 500 | 230 | 200 | 1460 | 50 | 0.55 | Y801-4H | 140 | 195 | 175 | 80 | 180 | 233 | 215 | 120 | Φ210 | Φ264 | Φ245 |
| | 700 | 225 | 190 | | | | | | | | | | | | | | | |
| | 800 | 225 | 180 | | | | | | | | | | | | | | | |
| | 1000 | 220 | 150 | | | | | | | | | | | | | | | |
| | 1300 | 920 | 810 | 2920 | 60 | 1.1 | Y802-2H | 140 | 195 | 175 | 80 | 180 | 233 | 215 | 120 | Φ210 | Φ264 | Φ245 |
| | 1500 | 900 | 740 | | | | | | | | | | | | | | | |
| | 2000 | 880 | 590 | | | | | | | | | | | | | | | |
| | 2200 | 750 | 450 | | | | | | | | | | | | | | | |
| 800 | 330 | 290 | 1750 | 60 | 0.55 | Y801-4H | 140 | 195 | 175 | 80 | 180 | 233 | 215 | 120 | Φ210 | Φ264 | Φ245 | |
| 900 | 320 | 260 | | | | | | | | | | | | | | | | |
| 1200 | 315 | 210 | | | | | | | | | | | | | | | | |
| 1300 | 270 | 160 | | | | | | | | | | | | | | | | |
| 1600 | 1320 | 1160 | 3500 | 60 | 1.5 | Y90S-2H | 140 | 195 | 175 | 80 | 180 | 233 | 215 | 120 | Φ210 | Φ264 | Φ245 | |
| 1800 | 1300 | 1060 | | | | | | | | | | | | | | | | |
| 2400 | 1270 | 840 | | | | | | | | | | | | | | | | |
| 2600 | 1080 | 650 | | | | | | | | | | | | | | | | |
| JCL-21 | 750 | 260 | 220 | 1460 | 50 | 0.55 | Y801-4H | 145 | 210 | 180 | 90 | 190 | 253 | 225 | 140 | Φ220 | Φ284 | Φ255 |
| | 800 | 250 | 200 | | | | | | | | | | | | | | | |
| | 900 | 250 | 190 | | | | | | | | | | | | | | | |
| | 1000 | 250 | 180 | | | | | | | | | | | | | | | |
| | 1500 | 1050 | 880 | 2920 | 60 | 1.5 | Y90S-2H | 145 | 210 | 180 | 90 | 190 | 253 | 225 | 140 | Φ220 | Φ284 | Φ255 |
| | 1600 | 1040 | 780 | | | | | | | | | | | | | | | |
| | 1800 | 1035 | 750 | | | | | | | | | | | | | | | |
| | 2000 | 1030 | 740 | | | | | | | | | | | | | | | |
| 900 | 380 | 320 | 1750 | 60 | 0.55 | Y801-4H | 145 | 210 | 180 | 90 | 190 | 253 | 225 | 140 | Φ220 | Φ284 | Φ255 | |
| 950 | 375 | 280 | | | | | | | | | | | | | | | | |
| 1100 | 370 | 270 | | | | | | | | | | | | | | | | |
| 1200 | 370 | 260 | | | | | | | | | | | | | | | | |
| 1800 | 1510 | 1270 | 3500 | 60 | 2.2 | Y90L-2H | 145 | 210 | 180 | 90 | 190 | 253 | 225 | 140 | Φ220 | Φ284 | Φ255 | |
| 1900 | 1500 | 1130 | | | | | | | | | | | | | | | | |
| 2100 | 1490 | 1080 | | | | | | | | | | | | | | | | |
| 2400 | 1480 | 1060 | | | | | | | | | | | | | | | | |
| JCL-21 | 900 | 300 | 260 | 1460 | 50 | 0.55 | Y801-4H | 145 | 210 | 180 | 90 | 190 | 253 | 225 | 140 | Φ220 | Φ284 | Φ255 |
| | 1000 | 290 | 230 | | | | | | | | | | | | | | | |
| | 1200 | 280 | 200 | | | | | | | | | | | | | | | |
| | 1400 | 250 | 150 | | | | | | | | | | | | | | | |
| | 1800 | 1200 | 1060 | 2920 | 60 | 1.5 | Y90S-2H | 145 | 210 | 180 | 90 | 190 | 253 | 225 | 140 | Φ220 | Φ284 | Φ255 |
| | 2000 | 1180 | 930 | | | | | | | | | | | | | | | |
| | 2500 | 1170 | 780 | | | | | | | | | | | | | | | |
| | 2800 | 990 | 600 | | | | | | | | | | | | | | | |
| 1080 | 432 | 374 | 1750 | 60 | 0.55 | Y801-4H | 145 | 210 | 180 | 90 | 190 | 253 | 225 | 140 | Φ220 | Φ284 | Φ255 | |
| 1200 | 417 | 331 | | | | | | | | | | | | | | | | |
| 1440 | 400 | 288 | | | | | | | | | | | | | | | | |
| 1680 | 360 | 216 | | | | | | | | | | | | | | | | |
| 2160 | 1728 | 1520 | 3500 | 60 | 2.2 | Y90L-2H | 145 | 210 | 180 | 90 | 190 | 253 | 225 | 140 | Φ220 | Φ284 | Φ255 | |
| 2400 | 1690 | 1340 | | | | | | | | | | | | | | | | |
| 3000 | 1680 | 1130 | | | | | | | | | | | | | | | | |
| 3360 | 1430 | 860 | | | | | | | | | | | | | | | | |

| n1×d1 | n2×d2 | 4-K | L ₁ | L ₂ | L ₃ | L ₄ | h | h ₁ | h ₂ | H | M ₁ | M | L | 重量 weight ≈kg |
|-------|--------|-------|----------------|----------------|----------------|----------------|----|----------------|----------------|-----|----------------|-------|-------|---------------------|
| 8-Φ10 | 8-Φ10 | 4-Φ10 | 87 | 109 | 100 | 125 | 80 | 124.5 | 95.5 | 314 | 125.5 | 270 | 393 | 24 |
| 8-Φ10 | 8-Φ10 | 4-Φ10 | 92 | 112 | 100 | 125 | 80 | 133 | 104 | 338 | 134 | 290 | 401 | 24.5 |
| 8-Φ10 | 8-Φ10 | 4-Φ10 | 92 | 112 | 100 | 125 | 80 | 133 | 104 | 338 | 134 | 290.5 | 401.5 | 26 |
| 8-Φ10 | 8-Φ10 | 4-Φ10 | 100 | 119 | 100 | 125 | 80 | 142.5 | 111.5 | 358 | 143.5 | 310 | 417 | 27 |
| 8-Φ10 | 10-Φ10 | 4-Φ10 | 108 | 127.5 | 100 | 125 | 80 | 158.5 | 123 | 398 | 154 | 340.5 | 437.5 | 28 |
| | | | | 133.5 | 100 | 140 | 90 | | | | | | 447.5 | 33 |
| 8-Φ10 | 10-Φ10 | 4-Φ10 | 108.5 | 127.5 | 100 | 125 | 80 | 158.5 | 123 | 398 | 154 | 340.5 | 438 | 29 |
| | | | | 133.5 | 125 | 140 | 90 | | | | | | 487 | 37 |
| 8-Φ10 | 10-Φ10 | 4-Φ10 | 115 | 130 | 100 | 125 | 80 | 171.5 | 139 | 437 | 167 | 370.5 | 446 | 29.5 |
| | | | | 136 | 100 | 140 | 90 | | | | | | 466 | 34.5 |
| | | | | 130 | 100 | 125 | 80 | | | | | | 446 | 29.5 |
| | | | | 136 | 125 | 140 | 90 | | | | | | 531 | 38 |

JCL系列主要性能参数
JCL Main Property Parameters

| 型号 type | 风量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 Motor | | | A | A ₁ | A ₂ | A ₃ | B | B ₁ | B ₂ | B ₃ | D ₃ | D ₁ | D ₂ | | | |
|------------|--------------------------------------|----------------------------|-----------------------------|----------------------|------------------|-------------------|------------|-----|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|------|------|---------|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | | | | | | | | | | | | | | |
| JCL-22 | 1100 | 340 | 290 | 1460 | 50 | 0.55 | Y801-4H | 150 | 215 | 190 | 90 | 210 | 273 | 245 | 160 | 230 | 293 | Φ265 | | | |
| | 1250 | 320 | 250 | | | | | | | | | | | | | | | | | | |
| | 1380 | 315 | 230 | | | | | | | | | | | | | | | | | | |
| | 1500 | 310 | 210 | | | | | | | | | | | | | | | | | | |
| | 2200 | 1350 | 1150 | 2920 | 60 | 2.2 | Y90L-2H | | | | | | | | | | | | | | |
| | 2500 | 1280 | 980 | | | | | | | | | | | | | | | | | | |
| | 2800 | 1260 | 910 | | | | | | | | | | | | | | | | | | |
| | 3000 | 1260 | 830 | | | | | | | | | | | | | | | | | | |
| | 1300 | 480 | 410 | | | | | | | | | | | | | | | | 1750 | 0.75 | Y802-4H |
| | 1500 | 460 | 350 | | | | | | | | | | | | | | | | | | |
| 1600 | 450 | 330 | | | | | | | | | | | | | | | | | | | |
| 1800 | 440 | 290 | | | | | | | | | | | | | | | | | | | |
| 2600 | 1920 | 1640 | 3500 | 3 | Y100L-2H | | | | | | | | | | | | | | | | |
| 3000 | 1840 | 1420 | | | | | | | | | | | | | | | | | | | |
| 3300 | 1800 | 1320 | | | | | | | | | | | | | | | | | | | |
| 3600 | 1760 | 1200 | | | | | | | | | | | | | | | | | | | |
| JCL-23 | 2250 | 1335 | 1200 | 2920 | 50 | 2.2 | Y90L-2H | 165 | 230 | 200 | 100 | 215 | 278 | 250 | 160 | 240 | 304 | Φ275 | | | |
| | 2500 | 1400 | 1180 | | | | | | | | | | | | | | | | | | |
| | 3000 | 1410 | 1080 | | | | | | | | | | | | | | | | | | |
| | 3300 | 1200 | 790 | | | | | | | | | | | | | | | | | | |
| | 1350 | 480 | 430 | 1750 | 0.75 | Y802-4H | | | | | | | | | | | | | | | |
| | 1500 | 500 | 420 | | | | | | | | | | | | | | | | | | |
| | 1800 | 510 | 390 | | | | | | | | | | | | | | | | | | |
| | 1950 | 430 | 280 | | | | | | | | | | | | | | | | | | |
| | 2700 | 1920 | 1730 | 3500 | 4 | Y112M-2H | | | | | | | | | | | | | | | |
| | 3000 | 2010 | 1690 | | | | | | | | | | | | | | | | | | |
| 3600 | 2030 | 1550 | | | | | | | | | | | | | | | | | | | |
| 3900 | 1720 | 1130 | | | | | | | | | | | | | | | | | | | |
| JCL-24 | 1350 | 480 | 430 | 1460 | 50 | 0.55 | Y801-4H | 175 | 243 | 210 | 100 | 225 | 291 | 260 | 170 | 250 | 314 | Φ285 | | | |
| | 1500 | 410 | 340 | | | | | | | | | | | | | | | | | | |
| | 2000 | 360 | 250 | | | | | | | | | | | | | | | | | | |
| | 2200 | 340 | 180 | | | | | | | | | | | | | | | | | | |
| | 2700 | 1660 | 1400 | 2920 | 60 | 3 | Y100L-2H | | | | | | | | | | | | | | |
| | 3000 | 1640 | 1370 | | | | | | | | | | | | | | | | | | |
| | 4000 | 1560 | 1080 | | | | | | | | | | | | | | | | | | |
| | 4400 | 1360 | 710 | | | | | | | | | | | | | | | | | | |
| | 1600 | 600 | 500 | | | | | | | | | | | | | | | | 1750 | 1.1 | Y90S-4H |
| | 1800 | 590 | 490 | | | | | | | | | | | | | | | | | | |
| 2400 | 570 | 390 | | | | | | | | | | | | | | | | | | | |
| 2600 | 490 | 250 | | | | | | | | | | | | | | | | | | | |
| 3200 | 2390 | 2010 | 3500 | 5.5 | Y132S1-2H | | | | | | | | | | | | | | | | |
| 3600 | 2370 | 1970 | | | | | | | | | | | | | | | | | | | |
| 4800 | 2090 | 1410 | | | | | | | | | | | | | | | | | | | |
| 5200 | 1950 | 1020 | | | | | | | | | | | | | | | | | | | |
| JCL-25 | 1800 | 440 | 390 | 1460 | 50 | 1.1 | Y90S-4H | 185 | 263 | 220 | 110 | 250 | 325 | 285 | 190 | 260 | 333 | Φ295 | | | |
| | 2000 | 430 | 340 | | | | | | | | | | | | | | | | | | |
| | 2500 | 430 | 290 | | | | | | | | | | | | | | | | | | |
| | 2800 | 370 | 220 | | | | | | | | | | | | | | | | | | |
| | 3600 | 1950 | 1600 | 2920 | 60 | 4 | Y112M-2H | | | | | | | | | | | | | | |
| | 4000 | 1910 | 1570 | | | | | | | | | | | | | | | | | | |
| | 5000 | 1730 | 1180 | | | | | | | | | | | | | | | | | | |
| | 5600 | 1470 | 880 | | | | | | | | | | | | | | | | | | |
| | 2150 | 730 | 560 | | | | | | | | | | | | | | | | 1750 | 1.1 | Y90S-4H |
| | 2400 | 670 | 540 | | | | | | | | | | | | | | | | | | |
| 3000 | 640 | 440 | | | | | | | | | | | | | | | | | | | |
| 3300 | 530 | 320 | | | | | | | | | | | | | | | | | | | |
| 4300 | 2530 | 2230 | 3500 | 7.5 | Y132S2-2H | | | | | | | | | | | | | | | | |
| 4800 | 2480 | 1970 | | | | | | | | | | | | | | | | | | | |
| 6000 | 2480 | 1690 | | | | | | | | | | | | | | | | | | | |
| 6700 | 2110 | 1260 | | | | | | | | | | | | | | | | | | | |
| JCL-27 | 2300 | 520 | 440 | 1460 | 50 | 1.1 | Y90S-4H | 200 | 275 | 235 | 120 | 250 | 325 | 285 | 190 | 280 | 353 | Φ330 | | | |
| | 2500 | 510 | 390 | | | | | | | | | | | | | | | | | | |
| | 3000 | 510 | 340 | | | | | | | | | | | | | | | | | | |
| | 3300 | 430 | 260 | | | | | | | | | | | | | | | | | | |
| | 1800 | 330 | 280 | 1160 | 60 | 0.75 | Y90S-6H | | | | | | | | | | | | | | |
| | 2000 | 320 | 250 | | | | | | | | | | | | | | | | | | |
| | 2400 | 320 | 220 | | | | | | | | | | | | | | | | | | |
| | 2600 | 270 | 160 | | | | | | | | | | | | | | | | | | |
| | 2750 | 750 | 640 | | | | | | | | | | | | | | | | 1750 | 1.5 | Y90L-4H |
| | 3000 | 730 | 560 | | | | | | | | | | | | | | | | | | |
| 3600 | 730 | 490 | | | | | | | | | | | | | | | | | | | |
| 3900 | 620 | 370 | | | | | | | | | | | | | | | | | | | |
| JCL-29 | 2200 | 760 | 570 | 1460 | 50 | 1.1 | Y90S-4H | 210 | 286 | 255 | 150 | 270 | 344 | 310 | 200 | 300 | 374 | Φ329 | | | |
| | 2500 | 630 | 540 | | | | | | | | | | | | | | | | | | |
| | 3000 | 570 | 440 | | | | | | | | | | | | | | | | | | |
| | 3300 | 540 | 390 | | | | | | | | | | | | | | | | | | |
| | 1700 | 480 | 360 | 1160 | 60 | 0.75 | Y90S-6H | | | | | | | | | | | | | | |
| | 2000 | 400 | 340 | | | | | | | | | | | | | | | | | | |
| | 2400 | 370 | 290 | | | | | | | | | | | | | | | | | | |
| | 2600 | 340 | 240 | | | | | | | | | | | | | | | | | | |
| | 2600 | 1080 | 810 | | | | | | | | | | | | | | | | 1750 | 1.5 | Y90L-4H |
| | 3000 | 900 | 770 | | | | | | | | | | | | | | | | | | |
| 3600 | 820 | 630 | | | | | | | | | | | | | | | | | | | |
| 3900 | 770 | 550 | | | | | | | | | | | | | | | | | | | |



| n1×d1 | n2×d2 | 4-K | L ₁ | L ₂ | L ₃ | L ₄ | h | h ₁ | h ₂ | H | M ₁ | M | L | 重量 weight ≈kg |
|-------|--------|-------|----------------|----------------|----------------|----------------|-----|----------------|----------------|-----|----------------|-------|-------|---------------------|
| 8-Φ10 | 10-Φ10 | 4-Φ10 | 115 | 132.5 | 100 | 125 | 80 | 180.5 | 142 | 459 | 180.5 | 395 | 441.5 | 30 |
| | | | | 138.5 | 125 | 140 | 90 | | | | | | 532.5 | 38 |
| | | | | 132.5 | 100 | 125 | 80 | | | | | | 447.5 | 30 |
| | | 4-Φ12 | | 141.5 | 140 | 160 | 100 | | | | | | 522.5 | 46 |
| 8-Φ10 | 8-Φ10 | 4-Φ10 | 125 | 146 | 125 | 140 | 90 | 185.5 | 144.5 | 469 | 190.5 | 410 | 551 | 40 |
| | | | | 139 | 100 | 125 | 80 | | | | | | 446 | 33 |
| | | 4-Φ12 | | 159 | 140 | 190 | 112 | | | | | | 561 | 60 |
| 8-Φ10 | 10-Φ12 | 4-Φ10 | 131 | 144 | 100 | 140 | 80 | 194.5 | 156.5 | 495 | 195 | 428 | 479 | 50 |
| | | 4-Φ12 | | 157 | 140 | 160 | 100 | | | | | | 554 | 58 |
| | | 4-Φ10 | | 144 | 100 | 140 | 90 | | | | | | 479 | 60 |
| | | 4-Φ12 | | 183 | 140 | 216 | 132 | | | | | | 629 | 89 |
| 8-Φ12 | 10-Φ12 | 4-Φ10 | 136 | 150 | 100 | 140 | 90 | 203 | 155 | 513 | 205 | 447 | 487 | 38 |
| | | 4-Φ12 | | 163 | 140 | 190 | 112 | | | | | | 582 | 65 |
| | | 4-Φ10 | | 156 | 100 | 140 | 90 | | | | | | 507 | 42 |
| | | 4-Φ12 | | 189 | 140 | 216 | 132 | | | | | | 637 | 84 |
| 8-Φ12 | 10-Φ12 | 4-Φ10 | 153 | 164.5 | 100 | 140 | 90 | 221.5 | 175 | 553 | 220 | 481.5 | 531.5 | 43 |
| | | | | 125 | 140 | 596.5 | | | | | | | 48 | |
| 8-Φ12 | 12-Φ12 | 4-Φ10 | 155 | 170 | 100 | 140 | 90 | 234 | 181 | 587 | 234 | 510 | 541 | 47 |
| | | | | | 125 | 140 | | | | | | | 606 | 51 |

JCL系列主要性能参数
JCL Main Property Parameters

| 型号 type | 风量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 Motor | | | A | A ₁ | A ₂ | A ₃ | B | B ₁ | B ₂ | B ₃ | D ₃ | D ₁ | D ₂ |
|------------|--------------------------------------|----------------------------|-----------------------------|----------------------|------------------|-------------------|------------|-----|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | | | | | | | | | | | |
| JCL-30 | 2700 | 660 | 560 | 1460 | 50 | 1.5 | Y90L-4H | 220 | 296 | 265 | 160 | 280 | 354 | 320 | 210 | Φ310 | Φ384 | Φ350 |
| | 3000 | 650 | 540 | | | | | | | | | | | | | | | |
| | 4000 | 640 | 440 | | | | | | | | | | | | | | | |
| | 4400 | 540 | 330 | 1160 | 60 | 0.75 | Y90S-6H | | | | | | | | | | | |
| | 1800 | 420 | 350 | | | | | | | | | | | | | | | |
| | 2000 | 410 | 340 | | | | | | | | | | | | | | | |
| 2400 | 400 | 280 | 1750 | 60 | 2.2 | Y100L1-4H | | | | | | | | | | | | |
| 2600 | 340 | 210 | | | | | | | | | | | | | | | | |
| 3200 | 950 | 800 | | | | | | | | | | | | | | | | |
| 3600 | 930 | 770 | | | | | | | | | | | | | | | | |
| 4800 | 920 | 630 | | | | | | | | | | | | | | | | |
| 5250 | 780 | 470 | | | | | | | | | | | | | | | | |
| JCL-32 | 3600 | 760 | 640 | 1460 | 50 | 2.2 | Y100L1-4H | 230 | 306 | 275 | 170 | 300 | 374 | 340 | 210 | Φ330 | Φ404 | Φ370 |
| | 4000 | 750 | 590 | | | | | | | | | | | | | | | |
| | 5000 | 740 | 490 | | | | | | | | | | | | | | | |
| | 5500 | 630 | 380 | 1160 | 60 | 1.1 | Y90L-6H | | | | | | | | | | | |
| | 2850 | 480 | 410 | | | | | | | | | | | | | | | |
| | 3200 | 470 | 370 | | | | | | | | | | | | | | | |
| 4000 | 460 | 310 | 1750 | 60 | 4 | Y112M-4H | | | | | | | | | | | | |
| 4300 | 390 | 240 | | | | | | | | | | | | | | | | |
| 4300 | 1090 | 930 | | | | | | | | | | | | | | | | |
| 4800 | 1070 | 850 | | | | | | | | | | | | | | | | |
| 6000 | 1060 | 800 | | | | | | | | | | | | | | | | |
| 6600 | 900 | 540 | | | | | | | | | | | | | | | | |
| JCL-33 | 3500 | 750 | 670 | 1460 | 50 | 2.2 | Y100L1-4H | 240 | 316 | 285 | 170 | 310 | 384 | 350 | 210 | Φ340 | Φ414 | Φ380 |
| | 4000 | 820 | 690 | | | | | | | | | | | | | | | |
| | 5000 | 790 | 590 | | | | | | | | | | | | | | | |
| | 6000 | 680 | 360 | 1160 | 60 | 1.1 | Y90L-6H | | | | | | | | | | | |
| | 2800 | 570 | 420 | | | | | | | | | | | | | | | |
| | 3200 | 520 | 430 | | | | | | | | | | | | | | | |
| 4000 | 500 | 370 | 1750 | 60 | 4 | Y112M-4H | | | | | | | | | | | | |
| 4750 | 430 | 230 | | | | | | | | | | | | | | | | |
| 4200 | 1180 | 980 | | | | | | | | | | | | | | | | |
| 4800 | 1180 | 980 | | | | | | | | | | | | | | | | |
| 6000 | 1140 | 830 | | | | | | | | | | | | | | | | |
| 7200 | 980 | 520 | | | | | | | | | | | | | | | | |
| JCL-34 | 4500 | 880 | 740 | 1460 | 50 | 3 | Y100L2-4H | 250 | 326 | 295 | 180 | 325 | 399 | 365 | 220 | Φ350 | Φ424 | Φ390 |
| | 5000 | 860 | 690 | | | | | | | | | | | | | | | |
| | 6000 | 840 | 590 | | | | | | | | | | | | | | | |
| | 6500 | 720 | 430 | 1160 | 60 | 1.5 | Y100L-6H | | | | | | | | | | | |
| | 3550 | 550 | 470 | | | | | | | | | | | | | | | |
| | 4000 | 540 | 430 | | | | | | | | | | | | | | | |
| 4750 | 530 | 370 | 1750 | 60 | 4 | Y112M-4H | | | | | | | | | | | | |
| 5150 | 450 | 270 | | | | | | | | | | | | | | | | |
| 5400 | 1260 | 1070 | | | | | | | | | | | | | | | | |
| 6000 | 1240 | 980 | | | | | | | | | | | | | | | | |
| 7200 | 1200 | 850 | | | | | | | | | | | | | | | | |
| 7800 | 1030 | 620 | | | | | | | | | | | | | | | | |
| JCL-36 | 4500 | 980 | 870 | 1460 | 50 | 4 | Y112M-4H | 270 | 346 | 315 | 210 | 340 | 414 | 380 | 260 | Φ370 | Φ444 | Φ410 |
| | 5000 | 970 | 830 | | | | | | | | | | | | | | | |
| | 6000 | 930 | 740 | | | | | | | | | | | | | | | |
| | 7200 | 870 | 590 | 1160 | 60 | 1.5 | Y100L-6H | | | | | | | | | | | |
| | 3550 | 620 | 550 | | | | | | | | | | | | | | | |
| | 4000 | 610 | 530 | | | | | | | | | | | | | | | |
| 4750 | 590 | 460 | 1750 | 60 | 5.5 | Y132S-4H | | | | | | | | | | | | |
| 5700 | 550 | 370 | | | | | | | | | | | | | | | | |
| 5400 | 1410 | 1250 | | | | | | | | | | | | | | | | |
| 6000 | 1400 | 1200 | | | | | | | | | | | | | | | | |
| 7200 | 1340 | 1060 | | | | | | | | | | | | | | | | |
| 8600 | 1250 | 850 | | | | | | | | | | | | | | | | |
| JCL-37 | 5400 | 1030 | 890 | 1460 | 50 | 4 | Y112M-4H | 270 | 346 | 315 | 210 | 360 | 434 | 400 | 270 | Φ380 | Φ454 | Φ420 |
| | 6000 | 1010 | 830 | | | | | | | | | | | | | | | |
| | 7200 | 990 | 740 | | | | | | | | | | | | | | | |
| | 7850 | 840 | 510 | 1160 | 60 | 2.2 | Y112M-6H | | | | | | | | | | | |
| | 4300 | 650 | 560 | | | | | | | | | | | | | | | |
| | 4750 | 640 | 530 | | | | | | | | | | | | | | | |
| 5700 | 630 | 460 | 1750 | 60 | 5.5 | Y132S-4H | | | | | | | | | | | | |
| 6200 | 530 | 320 | | | | | | | | | | | | | | | | |
| 6500 | 1480 | 1270 | | | | | | | | | | | | | | | | |
| 7200 | 1450 | 1200 | | | | | | | | | | | | | | | | |
| 8600 | 1420 | 1060 | | | | | | | | | | | | | | | | |
| 9400 | 1210 | 730 | | | | | | | | | | | | | | | | |
| JCL-39 | 4300 | 600 | 510 | 970 | 50 | 2.2 | Y112M-6H | 290 | 366 | 335 | 230 | 370 | 444 | 410 | 280 | Φ400 | Φ474 | Φ440 |
| | 4800 | 520 | 430 | | | | | | | | | | | | | | | |
| | 6000 | 480 | 350 | | | | | | | | | | | | | | | |
| | 6600 | 410 | 250 | 1460 | 60 | 5.5 | Y132S-4H | | | | | | | | | | | |
| | 6500 | 1350 | 1150 | | | | | | | | | | | | | | | |
| | 7200 | 1190 | 980 | | | | | | | | | | | | | | | |
| 9000 | 1090 | 780 | 1160 | 60 | 2.2 | Y112M-6H | | | | | | | | | | | | |
| 10000 | 930 | 560 | | | | | | | | | | | | | | | | |
| 5100 | 850 | 730 | | | | | | | | | | | | | | | | |
| 5700 | 750 | 620 | 1750 | 60 | 7.5 | Y132M-4H | | | | | | | | | | | | |
| 7200 | 690 | 500 | | | | | | | | | | | | | | | | |
| 7900 | 580 | 350 | | | | | | | | | | | | | | | | |
| 7800 | 1930 | 1650 | | | | | | | | | | | | | | | | |
| 8600 | 1700 | 1400 | | | | | | | | | | | | | | | | |
| 10500 | 1560 | 1120 | | | | | | | | | | | | | | | | |
| 12000 | 790 | 730 | | | | | | | | | | | | | | | | |



| n1×d1 | n2×d2 | 4-K | L ₁ | L ₂ | L ₃ | L ₄ | h | h ₁ | h ₂ | H | M _I | M | L | 重量 weight ≈kg |
|--------|--------|-------|----------------|----------------|----------------|----------------|-----|----------------|----------------|-----|----------------|-------|-----|---------------------|
| 8-Φ12 | 12-Φ12 | 4-Φ10 | 160 | 174 | 125 | 140 | 90 | 242 | 188 | 607 | 249 | 535 | 616 | 53 |
| | | | | | 100 | 140 | 90 | | | | | | 551 | 49 |
| | | 4-Φ12 | | 181 | 140 | 190 | 112 | | | | | | 606 | 64 |
| 8-Φ12 | 12-Φ12 | 4-Φ12 | 165 | 187 | 140 | 160 | 100 | 259 | 203 | 648 | 258 | 565 | 615 | 62 |
| | | 4-Φ10 | | 180 | 125 | 140 | 90 | | | | | | 625 | 53 |
| | | 4-Φ12 | | 187 | 140 | 190 | 112 | | | | | | 645 | 62 |
| 8-Φ12 | 12-Φ12 | 4-Φ12 | 170 | 197 | 140 | 190 | 112 | 266 | 205 | 663 | 266 | 580 | 624 | 64 |
| | | 4-Φ10 | | 185 | 125 | 140 | 90 | | | | | | 634 | 55 |
| | | 4-Φ12 | | 197 | 140 | 190 | 112 | | | | | | 624 | 73 |
| 8-Φ12 | 12-Φ12 | 4-Φ12 | 175 | 196 | 140 | 190 | 100 | 278 | 217.5 | 695 | 280 | 610 | 633 | 70 |
| | | | | 203 | 140 | 190 | 112 | | | | | | 653 | 75 |
| 12-Φ12 | 12-Φ12 | 4-Φ12 | 185 | 213 | 140 | 190 | 112 | 292 | 228 | 727 | 289 | 635 | 674 | 79 |
| | | | | 206 | 140 | 160 | 100 | | | | | | 654 | 69 |
| | | | | 232 | 140 | 216 | 132 | | | | | | 729 | 104 |
| 12-Φ12 | 12-Φ12 | 4-Φ12 | 187 | 214 | 140 | 190 | 112 | 300 | 234 | 751 | 292 | 650 | 676 | 84 |
| | | | | 233 | 140 | 216 | 132 | | | | | | 733 | 120 |
| 12-Φ12 | 12-Φ12 | 4-Φ12 | 195 | 224 | 140 | 190 | 112 | 312.5 | 250 | 784 | 300 | 674.5 | 694 | 90 |
| | | | | 243 | 140 | 216 | 132 | | | | | | 749 | 113 |
| | | | | 224 | 140 | 190 | 112 | | | | | | 694 | 90 |
| | | | | 243 | 178 | 216 | 132 | | | | | | 789 | 108 |

JCL系列主要性能参数
JCL Main Property Parameters

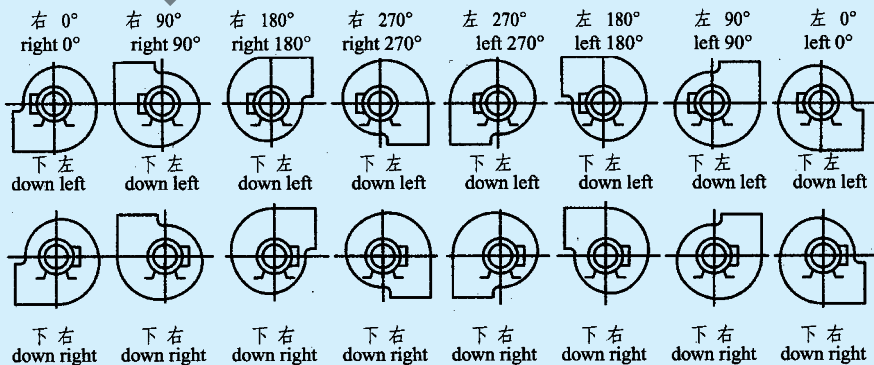
| 型号 type | 风量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 Motor | | | A | A ₁ | A ₂ | A ₃ | B | B ₁ | B ₂ | B ₃ | D ₃ | D ₁ | D ₂ |
|------------|--------------------------------------|----------------------------|-----------------------------|----------------------|------------------|-------------------|------------|-----|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | | | | | | | | | | | |
| JCL-40 | 4500 | 1230 | 1100 | 1460 | 50 | 4 | Y112M-4H | 270 | 346 | 315 | 210 | 340 | 414 | 380 | 260 | Φ400 | Φ474 | Φ440 |
| | 5000 | 1220 | 1080 | | | | | | | | | | | | | | | |
| | 6000 | 1180 | 980 | | | | | | | | | | | | | | | |
| | 6600 | 1000 | 700 | | | | | | | | | | | | | | | |
| | 5400 | 1760 | 1590 | 1750 | 60 | 7.5 | Y132M-4H | | | | | | | | | | | |
| 6000 | 1770 | 1550 | | | | | | | | | | | | | | | | |
| 7200 | 1690 | 1410 | | | | | | | | | | | | | | | | |
| 8000 | 1350 | 1280 | | | | | | | | | | | | | | | | |
| JCL-42 | 5500 | 600 | 520 | 970 | 50 | 2.2 | Y112M-6H | 320 | 396 | 365 | 270 | 400 | 475 | 440 | 340 | Φ430 | Φ505 | Φ470 |
| | 6000 | 590 | 490 | | | | | | | | | | | | | | | |
| | 7200 | 540 | 390 | | | | | | | | | | | | | | | |
| | 8000 | 460 | 260 | | | | | | | | | | | | | | | |
| | 8250 | 1350 | 1180 | 1460 | 50 | 7.5 | Y132M-4H | | | | | | | | | | | |
| | 9000 | 1300 | 1080 | | | | | | | | | | | | | | | |
| | 10500 | 1290 | 980 | | | | | | | | | | | | | | | |
| | 12000 | 1280 | 880 | | | | | | | | | | | | | | | |
| | 6600 | 850 | 750 | 1160 | 60 | 3 | Y132S-6H | | | | | | | | | | | |
| | 7200 | 840 | 700 | | | | | | | | | | | | | | | |
| 8600 | 770 | 560 | | | | | | | | | | | | | | | | |
| 9600 | 660 | 400 | | | | | | | | | | | | | | | | |
| 9900 | 1930 | 1670 | 1750 | 60 | 11 | Y160M-4H | | | | | | | | | | | | |
| 10500 | 1910 | 1600 | | | | | | | | | | | | | | | | |
| 12500 | 1750 | 1280 | | | | | | | | | | | | | | | | |
| 14000 | 1490 | 900 | | | | | | | | | | | | | | | | |
| JCL-44 | 6500 | 645 | 510 | 970 | 50 | 3 | Y132S-6H | 320 | 396 | 365 | 270 | 420 | 495 | 460 | 350 | Φ450 | Φ526 | Φ490 |
| | 7200 | 640 | 490 | | | | | | | | | | | | | | | |
| | 9000 | 600 | 390 | | | | | | | | | | | | | | | |
| | 10000 | 510 | 300 | | | | | | | | | | | | | | | |
| | 9800 | 1460 | 1160 | 1460 | 50 | 11 | Y160M-4H | | | | | | | | | | | |
| | 10800 | 1440 | 1110 | | | | | | | | | | | | | | | |
| | 13500 | 1360 | 890 | | | | | | | | | | | | | | | |
| | 15000 | 1150 | 690 | | | | | | | | | | | | | | | |
| | 7800 | 920 | 740 | 1160 | 60 | 4 | Y132M-6H | | | | | | | | | | | |
| | 8600 | 910 | 700 | | | | | | | | | | | | | | | |
| 10500 | 860 | 560 | | | | | | | | | | | | | | | | |
| 12000 | 730 | 440 | | | | | | | | | | | | | | | | |
| 11500 | 2080 | 1670 | 1750 | 60 | 15 | Y160L-4H | | | | | | | | | | | | |
| 13000 | 2060 | 1590 | | | | | | | | | | | | | | | | |
| 16000 | 1940 | 1270 | | | | | | | | | | | | | | | | |
| 18000 | 1650 | 990 | | | | | | | | | | | | | | | | |
| JCL-46 | 7000 | 710 | 600 | 970 | 50 | 4 | Y132M-6H | 320 | 396 | 365 | 270 | 440 | 516 | 480 | 360 | Φ470 | Φ545 | Φ510 |
| | 8000 | 710 | 560 | | | | | | | | | | | | | | | |
| | 10000 | 660 | 430 | | | | | | | | | | | | | | | |
| | 11000 | 560 | 340 | | | | | | | | | | | | | | | |
| | 10500 | 1620 | 1350 | 1460 | 50 | 11 | Y160M-4H | | | | | | | | | | | |
| | 12000 | 1610 | 1270 | | | | | | | | | | | | | | | |
| | 15000 | 1599 | 980 | | | | | | | | | | | | | | | |
| | 16500 | 1280 | 770 | | | | | | | | | | | | | | | |
| | 8400 | 1020 | 860 | 1160 | 60 | 5.5 | Y132M-6H | | | | | | | | | | | |
| | 9500 | 1020 | 810 | | | | | | | | | | | | | | | |
| 12000 | 950 | 620 | | | | | | | | | | | | | | | | |
| 13000 | 810 | 490 | | | | | | | | | | | | | | | | |
| 12500 | 2320 | 1940 | 1750 | 60 | 18.5 | Y180M-4H | | | | | | | | | | | | |
| 14000 | 2310 | 1830 | | | | | | | | | | | | | | | | |
| 18000 | 2160 | 1410 | | | | | | | | | | | | | | | | |
| 19000 | 1830 | 1100 | | | | | | | | | | | | | | | | |
| JCL-48 | 8000 | 770 | 630 | 970 | 50 | 4 | Y132M-6H | 350 | 438 | 400 | 280 | 450 | 536 | 495 | 370 | Φ500 | Φ586 | Φ550 |
| | 9000 | 740 | 590 | | | | | | | | | | | | | | | |
| | 10000 | 750 | 560 | | | | | | | | | | | | | | | |
| | 12000 | 660 | 390 | | | | | | | | | | | | | | | |
| | 12000 | 1740 | 1470 | 1460 | 50 | 15 | Y160L-4H | | | | | | | | | | | |
| | 13500 | 1720 | 1350 | | | | | | | | | | | | | | | |
| | 15000 | 1700 | 1270 | | | | | | | | | | | | | | | |
| | 16500 | 1260 | 820 | | | | | | | | | | | | | | | |
| | 9600 | 1100 | 900 | 1160 | 60 | 5.5 | Y132M-6H | | | | | | | | | | | |
| | 10500 | 1090 | 850 | | | | | | | | | | | | | | | |
| 12000 | 1080 | 810 | | | | | | | | | | | | | | | | |
| 14000 | 940 | 560 | | | | | | | | | | | | | | | | |
| 14000 | 2500 | 2110 | 1750 | 60 | 22 | Y180L-4H | | | | | | | | | | | | |
| 16000 | 2470 | 1940 | | | | | | | | | | | | | | | | |
| 18000 | 2440 | 1830 | | | | | | | | | | | | | | | | |
| 20000 | 1800 | 1170 | | | | | | | | | | | | | | | | |
| JCL-50 | 9000 | 870 | 650 | 970 | 50 | 5.5 | Y132M-6H | 360 | 448 | 408 | 290 | 470 | 556 | 515 | 390 | Φ520 | Φ606 | Φ570 |
| | 10000 | 810 | 640 | | | | | | | | | | | | | | | |
| | 12000 | 800 | 560 | | | | | | | | | | | | | | | |
| | 13000 | 630 | 410 | | | | | | | | | | | | | | | |
| | 13500 | 1740 | 1480 | 1460 | 50 | 15 | Y160L-4H | | | | | | | | | | | |
| | 15000 | 1830 | 1470 | | | | | | | | | | | | | | | |
| | 18000 | 1790 | 1270 | | | | | | | | | | | | | | | |
| | 20000 | 1440 | 930 | | | | | | | | | | | | | | | |
| | 10500 | 1100 | 940 | 1160 | 60 | 7.5 | Y160M-6H | | | | | | | | | | | |
| | 12000 | 1170 | 930 | | | | | | | | | | | | | | | |
| 14000 | 1140 | 810 | | | | | | | | | | | | | | | | |
| 15500 | 910 | 590 | | | | | | | | | | | | | | | | |
| 16000 | 2500 | 2120 | 1750 | 60 | 22 | Y180L-4H | | | | | | | | | | | | |
| 18000 | 2640 | 2110 | | | | | | | | | | | | | | | | |
| 21500 | 2580 | 1830 | | | | | | | | | | | | | | | | |
| 24000 | 2060 | 1340 | | | | | | | | | | | | | | | | |



| n1×d1 | n2×d2 | 4-K | L ₁ | L ₂ | L ₃ | L ₄ | h | h ₁ | h ₂ | H | M _I | M | L | 重量 weight ≈kg |
|--------|--------|-------|----------------|----------------|----------------|----------------|-----|----------------|----------------|-----|----------------|-------|------|---------------------|
| 12-Φ12 | 12-Φ12 | 4-Φ12 | 185 | 214 | 140 | 190 | 112 | 313 | 249 | 769 | 313 | 680 | 674 | 83 |
| | | | | 233 | 178 | 216 | 132 | | | | | | 769 | 121 |
| 12-Φ12 | 12-Φ12 | 4-Φ12 | 210 | 239 | 140 | 190 | 112 | 340.5 | 266 | 844 | 331 | 735.5 | 724 | 100 |
| | | | | 258 | 178 | 216 | 132 | | | | | | 819 | 128 |
| | | | | 258 | 140 | 216 | 132 | | | | | | 779 | 136 |
| | | 4-Φ15 | | 277 | 210 | 254 | 160 | | | | | | 874 | 178 |
| 12-Φ12 | 12-Φ12 | 4-Φ12 | 210 | 258 | 140 | 216 | 132 | 356 | 276 | 879 | 344 | 765 | 779 | 121 |
| | | 4-Φ15 | | 276 | 210 | 254 | 160 | | | | | | 895 | 181 |
| | | 4-Φ12 | | 258 | 178 | 216 | 132 | | | | | | 819 | 131 |
| | | 4-Φ15 | | 276 | 254 | 254 | 160 | | | | | | 940 | 181 |
| 12-Φ12 | 12-Φ12 | 4-Φ12 | 210 | 258 | 178 | 216 | 132 | 373 | 286 | 917 | 360 | 800 | 803 | 139 |
| | | 4-Φ15 | | 278 | 210 | 254 | 160 | | | | | | 891 | 189 |
| | | 4-Φ12 | | 258 | 178 | 216 | 132 | | | | | | 803 | 150 |
| | | 4-Φ15 | | 291 | 241 | 279 | 180 | | | | | | 953 | 248 |
| 12-Φ12 | 12-Φ12 | 4-Φ12 | 230 | 275 | 178 | 216 | 132 | 391 | 307 | 966 | 377 | 840 | 856 | 138 |
| | | 4-Φ15 | | 294 | 254 | 254 | 160 | | | | | | 956 | 209 |
| | | 4-Φ12 | | 275 | 178 | 216 | 132 | | | | | | 856 | 138 |
| | | 4-Φ15 | | 307 | 279 | 279 | 180 | | | | | | 1011 | 268 |
| 12-Φ12 | 12-Φ12 | 4-Φ12 | 235 | 278 | 178 | 216 | 132 | 402 | 312 | 992 | 394 | 870 | 866 | 166 |
| | | 4-Φ15 | | 297 | 254 | 254 | 160 | | | | | | 966 | 205 |
| | | | | 297 | 210 | 254 | 160 | | | | | | 921 | 180 |
| | | | | 400 | 279 | 279 | 180 | | | | | | 1021 | 251 |

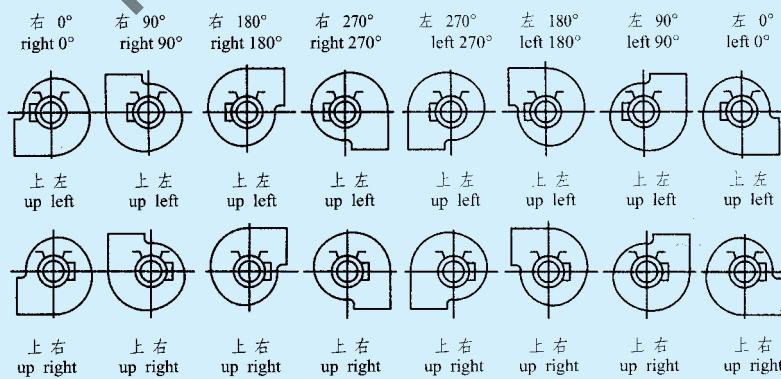
| 型号 type | 风量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 Motor | | | A | A ₁ | A ₂ | A ₃ | B | B ₁ | B ₂ | B ₃ | D ₃ | D ₁ | D ₂ |
|------------|--------------------------------------|----------------------------|-----------------------------|----------------------|------------------|-------------------|------------------------|-----|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | | | | | | | | | | | |
| JCL-52 | 11000 | 950 | 790 | 970 | 50 | 7.5 | Y160M-6H | 380 | 468 | 428 | 310 | 480 | 566 | 526 | 400 | Φ540 | Φ626 | Φ590 |
| | 12000 | 930 | 740 | | | | | | | | | | | | | | | |
| | 15000 | 850 | 540 | | | | | | | | | | | | | | | |
| | 16500 | 730 | 400 | 870 | 60 | 5.5 | Y160M ₂ -8H | | | | | | | | | | | |
| | 9500 | 760 | 630 | | | | | | | | | | | | | | | |
| | 10500 | 750 | 590 | | | | | | | | | | | | | | | |
| | 13500 | 690 | 430 | 1160 | 60 | 11 | Y160L-6H | | | | | | | | | | | |
| | 15000 | 580 | 320 | | | | | | | | | | | | | | | |
| | 13000 | 1360 | 1130 | | | | | | | | | | | | | | | |
| 14000 | 1330 | 1050 | 970 | 50 | 7.5 | Y160M-6H | | | | | | | | | | | | |
| 18000 | 1220 | 780 | | | | | | | | | | | | | | | | |
| 20000 | 1040 | 570 | | | | | | | | | | | | | | | | |
| JCL-54 | 13000 | 970 | 770 | 970 | 50 | 7.5 | Y160M-6H | 380 | 468 | 428 | 310 | 530 | 616 | 576 | 450 | Φ560 | Φ646 | Φ610 |
| | 14000 | 960 | 730 | | | | | | | | | | | | | | | |
| | 15000 | 940 | 690 | | | | | | | | | | | | | | | |
| | 16000 | 850 | 510 | 870 | 60 | 7.5 | Y160L-8H | | | | | | | | | | | |
| | 11500 | 780 | 620 | | | | | | | | | | | | | | | |
| | 12000 | 770 | 590 | | | | | | | | | | | | | | | |
| | 13500 | 760 | 550 | 1160 | 60 | 11 | Y160L-6H | | | | | | | | | | | |
| | 14000 | 680 | 410 | | | | | | | | | | | | | | | |
| | 15500 | 1390 | 1090 | | | | | | | | | | | | | | | |
| 16500 | 1370 | 1040 | 970 | 50 | 11 | Y160L-6H | | | | | | | | | | | | |
| 18000 | 1350 | 980 | | | | | | | | | | | | | | | | |
| 19000 | 1210 | 730 | | | | | | | | | | | | | | | | |
| JCL-56 | 13500 | 1070 | 900 | 970 | 50 | 11 | Y160L-6H | 400 | 488 | 448 | 330 | 540 | 626 | 586 | 460 | Φ580 | Φ666 | Φ630 |
| | 15000 | 1060 | 830 | | | | | | | | | | | | | | | |
| | 18000 | 1010 | 690 | | | | | | | | | | | | | | | |
| | 20000 | 860 | 520 | 870 | 60 | 7.5 | Y160L-8H | | | | | | | | | | | |
| | 12000 | 860 | 720 | | | | | | | | | | | | | | | |
| | 13500 | 850 | 670 | | | | | | | | | | | | | | | |
| | 16000 | 810 | 550 | 1160 | 60 | 15 | Y180L-6H | | | | | | | | | | | |
| | 18000 | 810 | 490 | | | | | | | | | | | | | | | |
| | 16000 | 1530 | 1290 | | | | | | | | | | | | | | | |
| 18000 | 1500 | 1180 | 970 | 50 | 15 | Y180L-6H | | | | | | | | | | | | |
| 21500 | 1440 | 980 | | | | | | | | | | | | | | | | |
| 24000 | 1230 | 740 | | | | | | | | | | | | | | | | |
| JCL-58 | 16000 | 1200 | 1020 | 970 | 50 | 15 | Y180L-6H | 420 | 508 | 468 | 350 | 560 | 646 | 606 | 480 | Φ600 | Φ686 | Φ650 |
| | 17000 | 1180 | 930 | | | | | | | | | | | | | | | |
| | 18000 | 1160 | 880 | | | | | | | | | | | | | | | |
| | 19000 | 980 | 640 | 870 | 60 | 11 | Y180L-8H | | | | | | | | | | | |
| | 14000 | 680 | 570 | | | | | | | | | | | | | | | |
| | 15000 | 660 | 520 | | | | | | | | | | | | | | | |
| | 16000 | 650 | 500 | 1160 | 60 | 18.5 | Y200L ₁ -6H | | | | | | | | | | | |
| | 16500 | 550 | 360 | | | | | | | | | | | | | | | |
| | 19000 | 1200 | 1020 | | | | | | | | | | | | | | | |
| 20000 | 1180 | 930 | | | | | | | | | | | | | | | | |
| 21500 | 1160 | 880 | | | | | | | | | | | | | | | | |
| 22500 | 980 | 640 | | | | | | | | | | | | | | | | |

从电动机端正视 Looking From the Motor Side



| $n1 \times d1$ | $n2 \times d2$ | 4-K | L_1 | L_2 | L_3 | L_4 | h | h_1 | h_2 | H | M_1 | M | L | 重量 weight ≈kg |
|----------------|----------------|-------|-------|-------|-------|-------|-----|-------|-------|------|-------|------|------|---------------------|
| 12-Φ12 | 12-Φ12 | 4-Φ15 | 245 | 307 | 210 | 254 | 160 | 420 | 331 | 1036 | 412 | 910 | 939 | 234 |
| | | | | | 254 | 254 | | | | | | | 224 | |
| | | | | | 254 | 254 | | | | | | | 989 | 262 |
| 12-Φ12 | 12-Φ12 | 4-Φ15 | 250 | 307 | 210 | 254 | 160 | 437 | 329 | 1078 | 416 | 935 | 935 | 231 |
| | | | | 307 | 254 | 254 | 160 | | | | | | 980 | 257 |
| | | | | 307 | 254 | 254 | 160 | | | | | | 980 | 259 |
| 12-Φ12 | 12-Φ12 | 4-Φ15 | 260 | 319 | 254 | 254 | 160 | 449 | 344 | 1106 | 442 | 975 | 1011 | 267 |
| | | | | 332 | 279 | 279 | 180 | | | | | | 1066 | 265 |
| | | | | 332 | 279 | 279 | 180 | | | | | | 1066 | 315 |
| 12-Φ12 | 12-Φ12 | 4-Φ15 | 270 | 340 | 279 | 279 | 180 | 470 | 355 | 1152 | 454 | 1010 | 1080 | 395 |
| | | 4-Φ15 | | 352 | 305 | 318 | 200 | | | | | | 1115 | 384 |
| | | 4-Φ19 | | 352 | 305 | 318 | 200 | | | | | | 1115 | 420 |

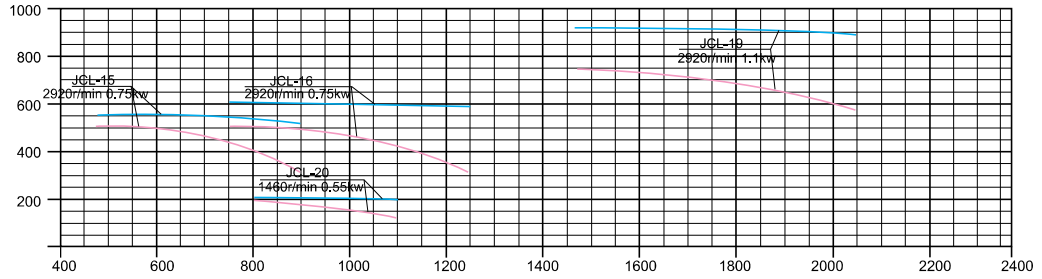
从电动机端正视 Looking From the Motor Side



注：图中的“上、下”即表示电动机基座脚向上或向下。“左、右”即表示电动机接线盒在机体的左边或右边。
 note: "up or down", indicates that motor foot is upward or downward. "left or right" indicates that terminal box is left or right to the motor

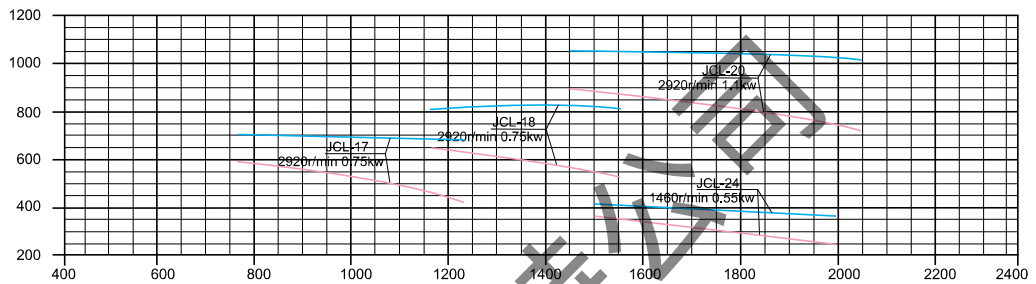
风机特性曲线图 Characteristic Curves 380V 50HZ

全压 p_t(pa) total pressure
静压 p_{st}(pa) static pressure



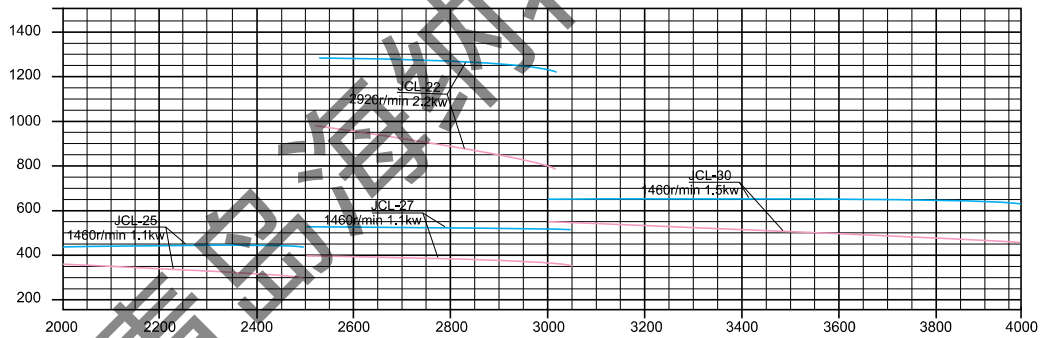
Power supply 3N 380V 50HZ

全压 p_t(pa) total pressure
静压 p_{st}(pa) static pressure



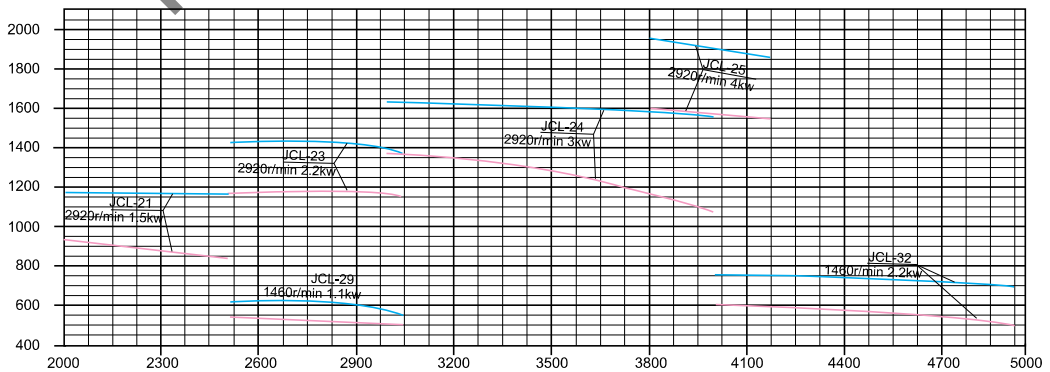
Power supply 3N 380V 50HZ

全压 p_t(pa) total pressure
静压 p_{st}(pa) static pressure

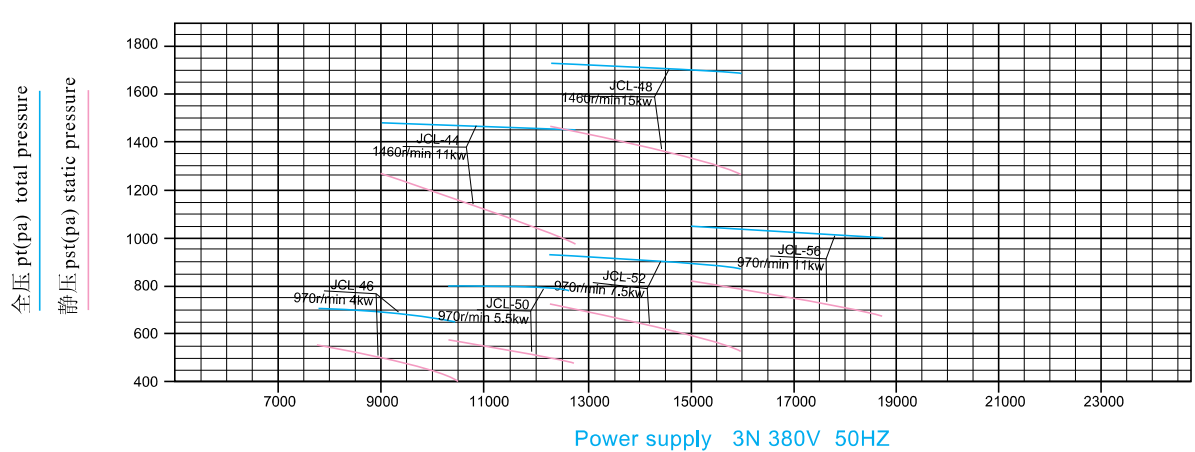
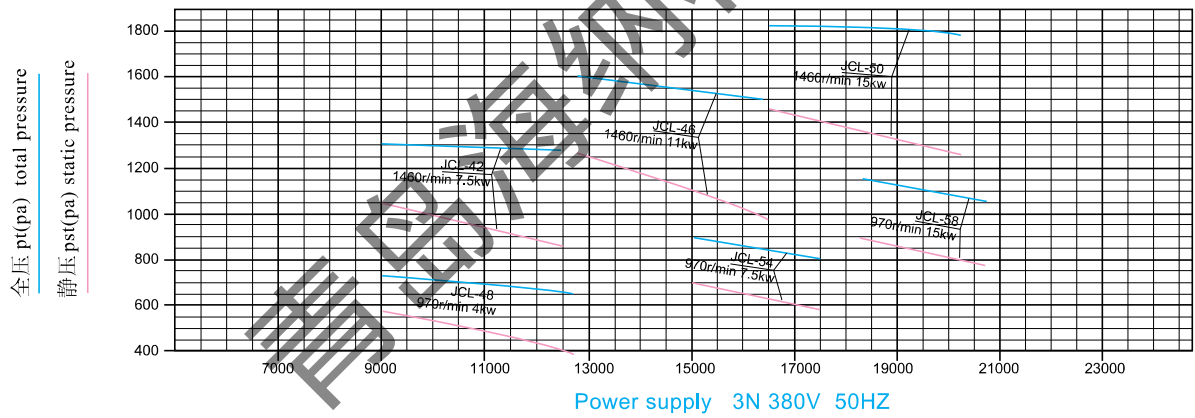
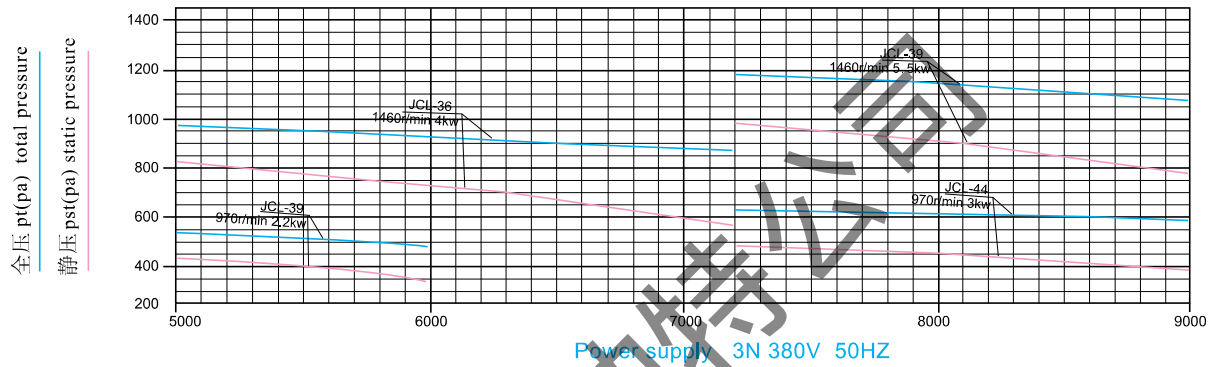
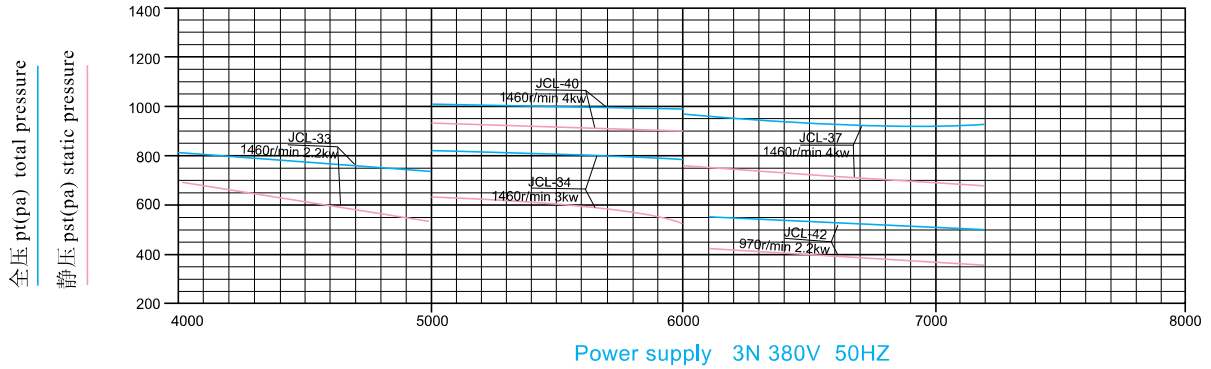


Power supply 3N 380V 50HZ

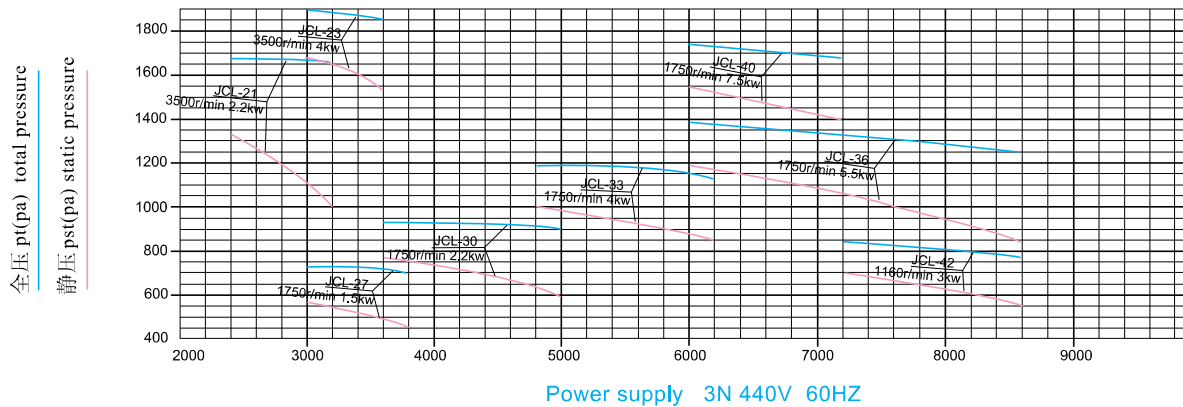
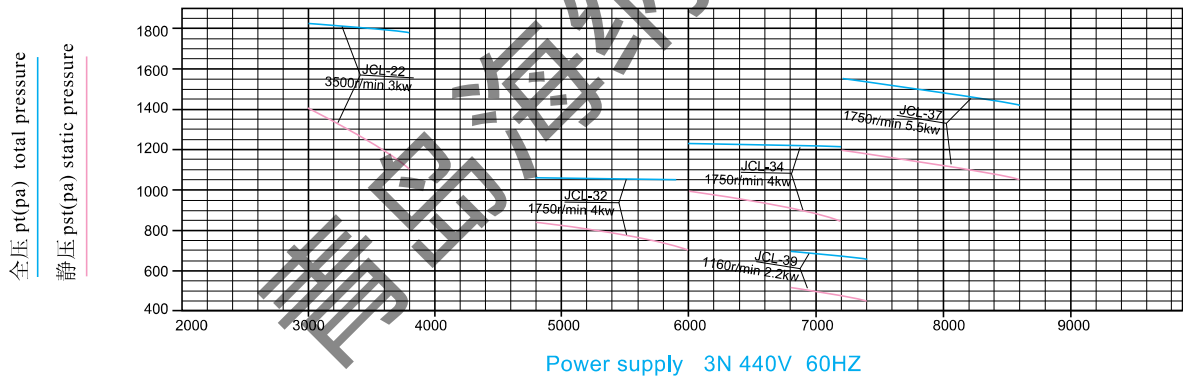
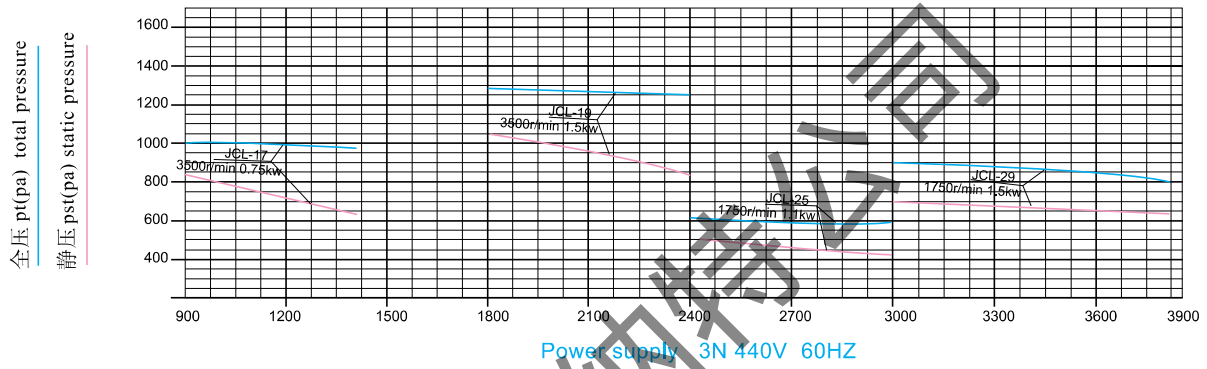
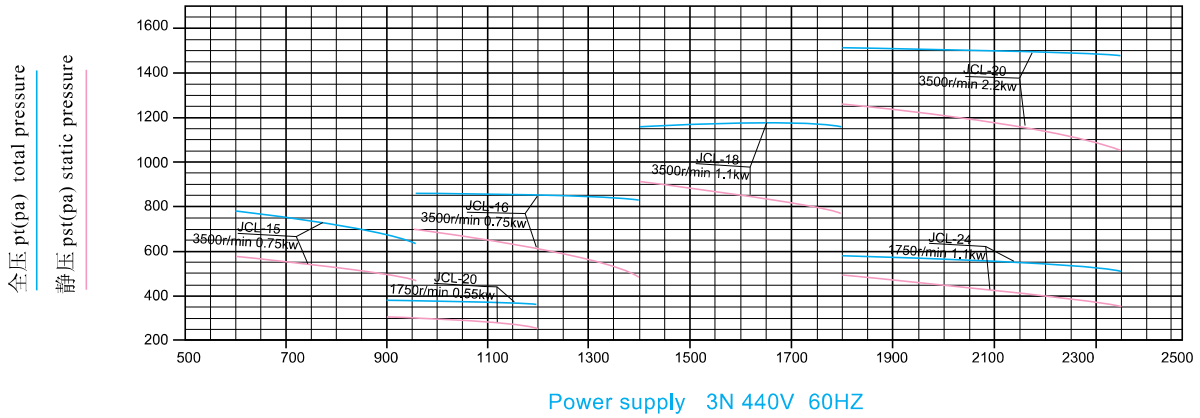
全压 p_t(pa) total pressure
静压 p_{st}(pa) static pressure

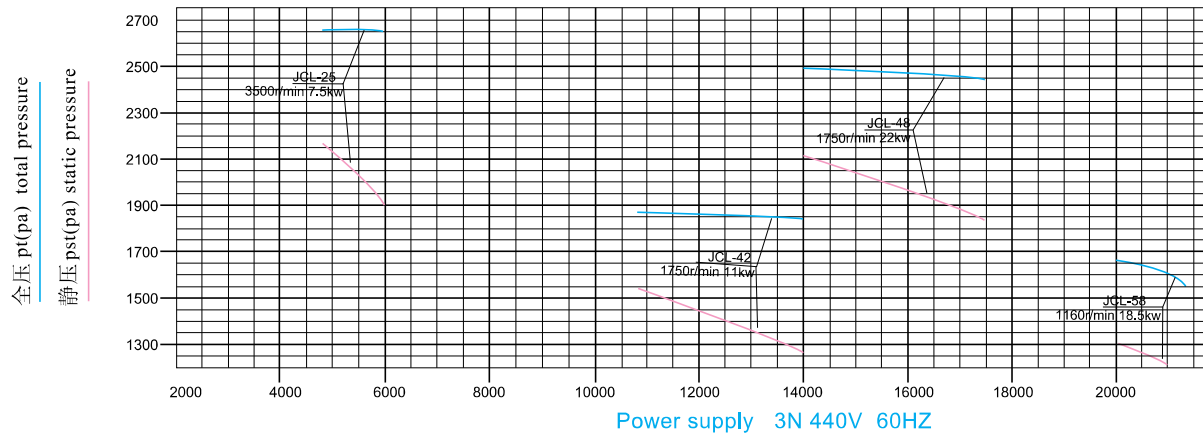
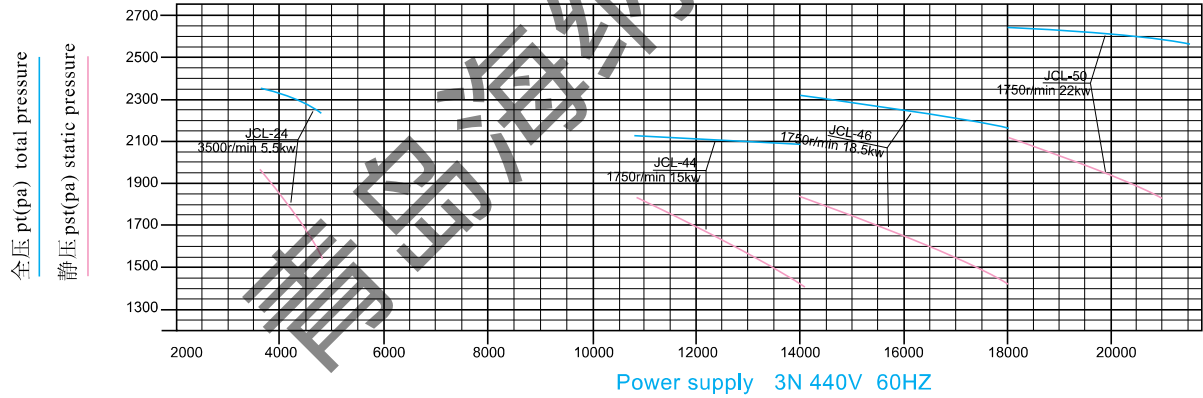
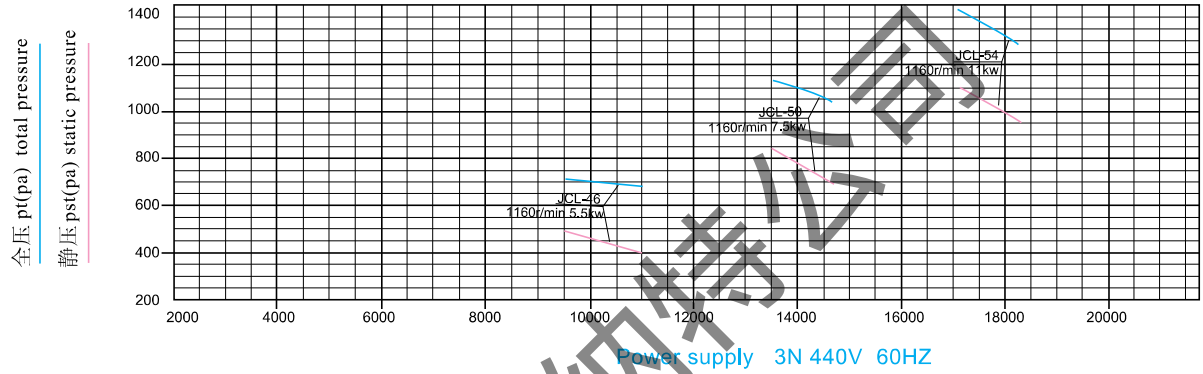
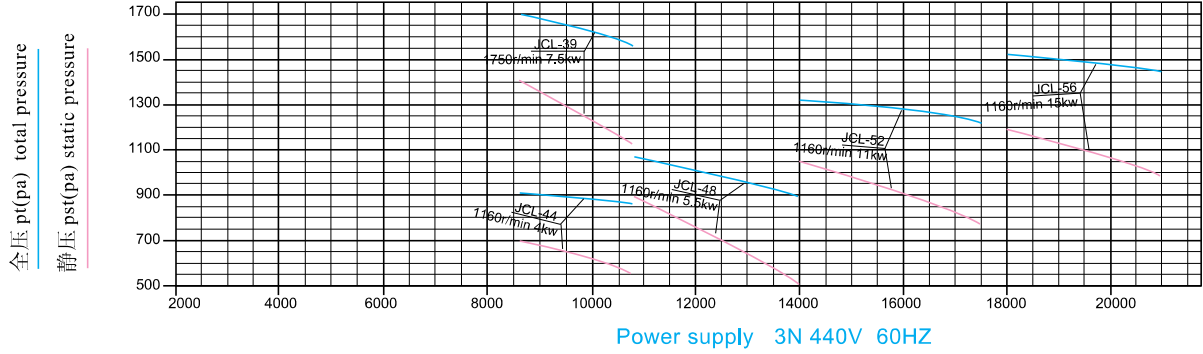


Power supply 3N 380V 50HZ



风机特性曲线图 Characteristic Curves 440V 60HZ





CGDL系列舰船用高效率低噪声离心通风机 CGDL series marine or navy high efficiency low noise centrifugal fans

一、概述

CGDL系列舰船用高效率低噪声离心通风机（以下简称通风机）是我厂与上海船舶设计研究共同开发的一种新型节能、低噪声舰船用产品。通风机通过专门设计和加工，具有效率高（>80%）、噪声低、不会超载、运转平稳和满足舰船条件要求等特点，它适用于各种舰船的通风换气，也适用于其他相适应的场所。

二、特点

通风机采用了特殊设计的机翼型叶片和进风口。机壳的尺寸和型线也按特征速度进行专门设计。叶轮进行专门加工，从而使气流流动更良好，使通风机具有效率高、噪声低等优点，由于功率特征至大流量区后反而下降，故电动机不会因超载而损坏。

通风机在设计和制造中充分考虑到舰船用的特殊条件要求，叶轮用铝制造并经严格动平衡校正，超速试验。故通风机还具有耐腐蚀性好、抗摇摆、抗冲击、振动、运转平稳和安全可靠等特点。

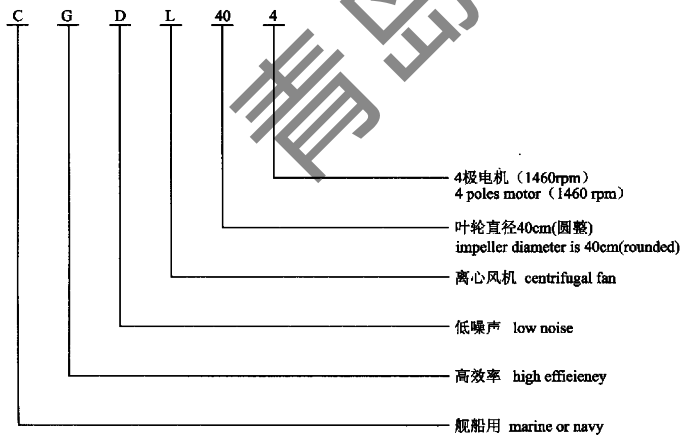
三、结构型式

通风机为卧式，电动机直联结构，需要时也可制成立式结构。

通风机叶轮由铝合金制成，叶片为机翼型，并经过严格动平衡校正，具有优良的空气动力性能。机壳、进风口等由普通钢板制成，采用镀锌等防腐措施，机号≥40时，通风机加有机架（40以下无机架）。

通风机机号40~80的风口方向在0~225°间，按22.5°变化。

四、型号说明



1.General

CGDL Series marine or navy high-efficiency,low-noise centrifugal fans (thereafter called the fan) are new-type & energy-save.Low-noise marine products which is developde by our special design and process. the fans are characterized with high-efficiency (>80%), Low-noise. nooverload,stable running and meeting the marine conditions, etc.They are suitable for every cabin air ventilating and exchanging on ships. They are also applicable in other places that suit.

2.Features

The fans are adopted with deaigned specially aerofoil blade and inlet.The dimension and line of casing are designed specially according to characteristic speeds. The impeller are processed specially so that air flows perfectly and the fans have the advantages of high-efficiency and low-noise.When power get to large flow,it gets down oppositely,Therefore, the motor can not be damaged because of overload.

In the course of designing & manufacturing, we had thought fully of the marine special conditions,the impellers are strictly made by dynamic balanc adjustment & over speed test. Therefore, the fans alsohave the features of good-corrosive resistance.resistance to swing, resistance to shock and vibration, stable turning,safety & reliability,etc.

3.Structure

The fans are in horizontal pattern with direct coupling for the motor.However it can also be constructed into a vertical pattern.

The fans impellers are made by aluminum alloy and blades are like aerofoil.They are adjustde strictly by dynamic balance.So that they have good air dynamic performance.The casing and inlet are made by common steel and adopted with corrosion prevention of galvanization. When the machine number are equal to or more than 40. the fans add to frame.

The outlet directions of No.40~80 of the fans which exist between 0° and 225° ,change in 22.5°

4.Model explanation



主要性能参数
Main Property Parameters

| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 噪声 noise dB(A) | 电动机 motor | | | 重量 weight ≈kg |
|------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|----------------------|------------------|-------------------|------------|---------------------|
| | | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | |
| CGDL-20-2 | 400 600 800 | 570 500 380 | 550 450 295 | 2920 | 63 62 63 | 50 | 0.37 | Y631-2H | 20 |
| | 600 800 1000 | 790 680 440 | 735 590 390 | 3500 | 67 67 67 | | | | |
| CGDL-25-2 | 800 1100 1500 | 790 700 540 | 745 630 410 | 2920 | 68 67 68 | 50 | 0.55 | Y712-2H | 25 |
| | 1000 1400 1800 | 1140 990 775 | 1060 880 590 | 3500 | 72 72 73 | | | | |
| CGDL-28-2 | 1000 1600 2200 | 970 860 650 | 940 790 500 | 2920 | 71 71 72 | 50 | 0.75 | Y801-2H | 38 |
| | 1200 1900 2600 | 1390 1230 930 | 1350 1130 720 | 3500 | 74 74 75 | | | | |
| CGDL-32-2 | 1600 2200 3000 | 1320 1220 940 | 1280 1130 790 | 2920 | 75 75 76 | 50 | 1.1 | Y802-2H | 48 |
| | 1900 2600 3600 | 1890 1750 1350 | 1830 1620 1130 | 3500 | 78 79 80 | | | | |
| CGDL-32-4 | 900 1200 1500 | 330 290 235 | 310 260 195 | 1460 | 62 62 63 | 50 | 0.55 | Y801-4H | 48 |
| | 1000 1400 1800 | 470 420 340 | 450 390 280 | 1750 | 65 65 66 | | | | |
| CGDL-36-2 | 2400 3300 4200 | 1690 1550 1320 | 1620 1430 1130 | 2920 | 80 79 80 | 50 | 2.2 | Y90L-2H | 60 |
| | 2850 3950 6000 | 2420 2220 1890 | 2320 2050 1620 | 3500 | 83 82 83 | | | | |
| CGDL-36-4 | 1400 1800 2200 | 410 380 300 | 390 350 245 | 1460 | 64 64 65 | 50 | 0.55 | Y801-4H | 50 |
| | 1400 1900 2500 | 610 580 490 | 590 530 420 | 1750 | 69 68 69 | | | | |
| CGDL-40-2 | 4000 5500 7000 | 2160 1860 1420 | 2040 1640 1060 | 2920 | 83 83 84 | 50 | 4 | Y112M-2H | 100 |

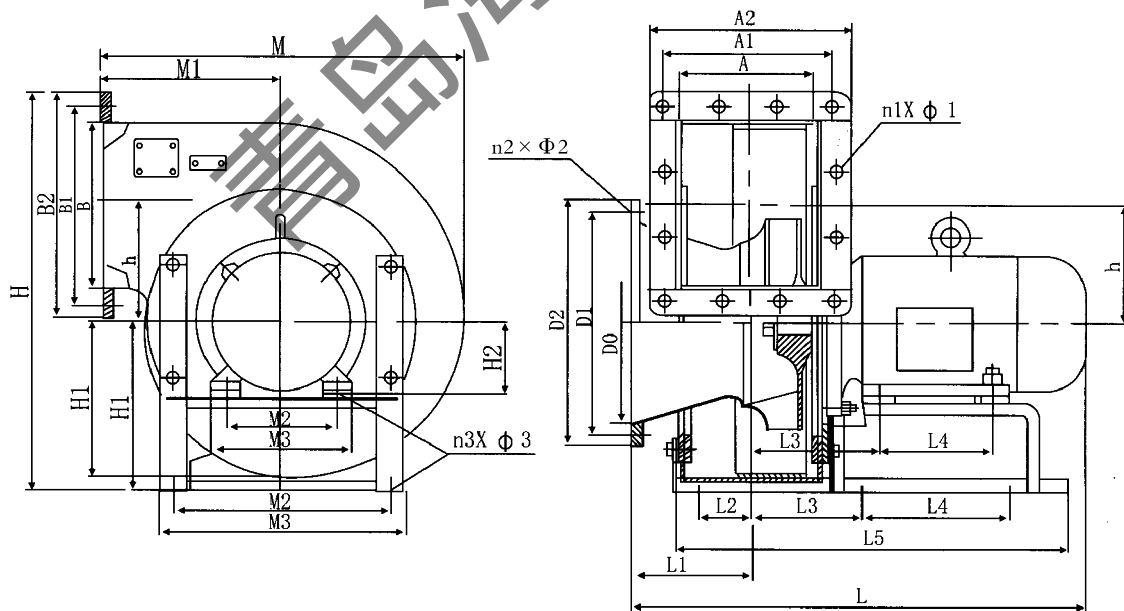
主要性能参数
Main Property Parameters

| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 噪声 noise dB(A) | 电动机 motor | | | 重量 weight ≈kg |
|------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|----------------------|------------------|-------------------|------------------------|---------------------|
| | | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | |
| CGDL-40-4 | 2000 | 530 | 500 | 1460 | 68 | 50 | 0.75 | Y802-4H | 71 |
| | 2800 | 470 | 410 | | 68 | | | | |
| | 3500 | 370 | 280 | | 69 | | | | |
| CGDL-45-2 | 2400 | 760 | 725 | 1750 | 72 | 60 | 1.1 | Y90S-4H | 71 |
| | 3200 | 700 | 620 | | 72 | | | | |
| | 4200 | 540 | 410 | | 73 | | | | |
| CGDL-45-4 | 5000 | 2960 | 2840 | 2920 | 88 | 50 | 7.5 | Y132S ₂ -2H | 141 |
| | 7000 | 2580 | 2350 | | 87 | | | | |
| | 9000 | 1940 | 1570 | | 88 | | | | |
| CGDL-50-2 | 2400 | 755 | 725 | 1460 | 72 | 50 | 1.1 | Y90S-4H | 90 |
| | 3600 | 610 | 540 | | 72 | | | | |
| | 5000 | 410 | 290 | | 73 | | | | |
| CGDL-50-4 | 3000 | 1060 | 1020 | 1750 | 76 | 60 | 1.5 | Y90L-4H | 90 |
| | 4500 | 870 | 775 | | 76 | | | | |
| | 6000 | 590 | 420 | | 77 | | | | |
| CGDL-50-4 | 8000 | 3320 | 3130 | 2920 | 91 | 50 | 15 | Y160M ₂ -2H | 224 |
| | 10000 | 3030 | 2740 | | 90 | | | | |
| | 12000 | 2450 | 2040 | | 91 | | | | |
| CGDL-50-4 | 4000 | 830 | 790 | 1460 | 75 | 50 | 1.5 | Y90L-4H | 110 |
| | 5000 | 760 | 690 | | 75 | | | | |
| | 6000 | 620 | 510 | | 75 | | | | |
| CGDL-50-4 | 4500 | 1220 | 1160 | 1750 | 79 | 60 | 2.2 | Y100L ₁ -4H | 113 |
| | 6000 | 1090 | 980 | | 79 | | | | |
| | 7500 | 755 | 590 | | 79 | | | | |
| CGDL-55-4 | 4500 | 1010 | 970 | 1460 | 77 | 50 | 2.2 | Y100L ₁ -4H | 180 |
| | 6400 | 880 | 800 | | 77 | | | | |
| | 8400 | 690 | 540 | | 78 | | | | |
| CGDL-55-4 | 5400 | 1450 | 1390 | 1750 | 81 | 60 | 4.0 | Y112M-4H | 184 |
| | 7800 | 1260 | 1130 | | 81 | | | | |
| | 10500 | 930 | 710 | | 82 | | | | |
| CGDL-55-6 | 3400 | 420 | 400 | 970 | 68 | 50 | 0.75 | Y90S-6H | 175 |
| | 4200 | 390 | 350 | | 68 | | | | |
| | 5400 | 320 | 260 | | 69 | | | | |
| CGDL-55-6 | 4000 | 670 | 580 | 1160 | 72 | 60 | 1.1 | Y90L-6H | 175 |
| | 5000 | 560 | 510 | | 72 | | | | |
| | 6400 | 450 | 380 | | 73 | | | | |
| CGDL-60-4 | 5400 | 1180 | 1130 | 1460 | 79 | 50 | 3.0 | Y100L ₂ -4H | 270 |
| | 7600 | 1050 | 960 | | 79 | | | | |
| | 9500 | 790 | 650 | | 79 | | | | |
| CGDL-60-4 | 6500 | 1690 | 1620 | 1750 | 84 | 60 | 5.5 | Y132S-4H | 274 |
| | 9000 | 1540 | 1410 | | 83 | | | | |
| | 12000 | 1040 | 820 | | 89 | | | | |
| CGDL-60-6 | 4500 | 470 | 440 | 970 | 70 | 50 | 1.1 | Y90L-6H | 261 |
| | 5600 | 410 | 360 | | 70 | | | | |
| | 6500 | 310 | 240 | | 71 | | | | |
| CGDL-60-6 | 4500 | 710 | 680 | 1160 | 74 | 60 | 1.5 | Y100L-6H | 259 |
| | 6000 | 640 | 580 | | 74 | | | | |
| | 7800 | 430 | 340 | | 75 | | | | |
| CGDL-70-4 | 9000 | 1730 | 1670 | 1460 | 86 | 50 | 11 | Y160M-4H | 330 |
| | 11000 | 1700 | 1610 | | 85 | | | | |
| | 14000 | 1570 | 1420 | | 85 | | | | |
| | 17000 | 1320 | 1100 | | 86 | | | | |

主要性能参数 Main Property Parameters

| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 噪声 noise dB(A) | 电动机 motor | | | 重量 weight ≈kg | | | | |
|------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|----------------------|------------------|-------------------|------------------------|---------------------|-----|------------------------|----------|-----|
| | | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | | | | | |
| CGDL-70-6 | 7000 | 755 | 715 | 970 | 76 | 50 | 3.0 | Y132S-6H | 251 | | | | |
| | 9000 | 700 | 640 | | 76 | | | | | | | | |
| | 11000 | 610 | 510 | | 78 | | | | | | | | |
| | 8000 | 1090 | 1040 | 80 | 60 | | | | | 4.0 | Y132M ₁ -6H | 251 | |
| | 10000 | 1030 | 950 | 80 | | | | | | | | | |
| 13000 | 850 | 720 | 82 | | | | | | | | | | |
| CGDL-80-4 | 14000 | 2030 | 1940 | 1460 | 90 | 50 | 1.5 | Y160L-4H | 362 | | | | |
| | 18000 | 1910 | 1760 | | 89 | | | | | | | | |
| | 21000 | 1640 | 1430 | | 88 | | | | | | | | |
| | 24000 | 1320 | 1060 | | 88 | | | | | | | | |
| CGDL-80-6 | 9000 | 920 | 880 | 970 | 79 | 50 | 4.0 | Y132M ₁ -6H | 300 | | | | |
| | 12500 | 830 | 760 | | 79 | | | | | | | | |
| | 16000 | 590 | 470 | | 80 | | | | | | | | |
| | 9000 | 1330 | 1290 | 1160 | 83 | | | | | 60 | 7.5 | Y160M-6H | 362 |
| | 12000 | 1290 | 1230 | | 83 | | | | | | | | |
| | 15000 | 1190 | 1080 | | 84 | | | | | | | | |
| | 19000 | 850 | 690 | | 84 | | | | | | | | |

外形安装尺寸 Outline Dimension



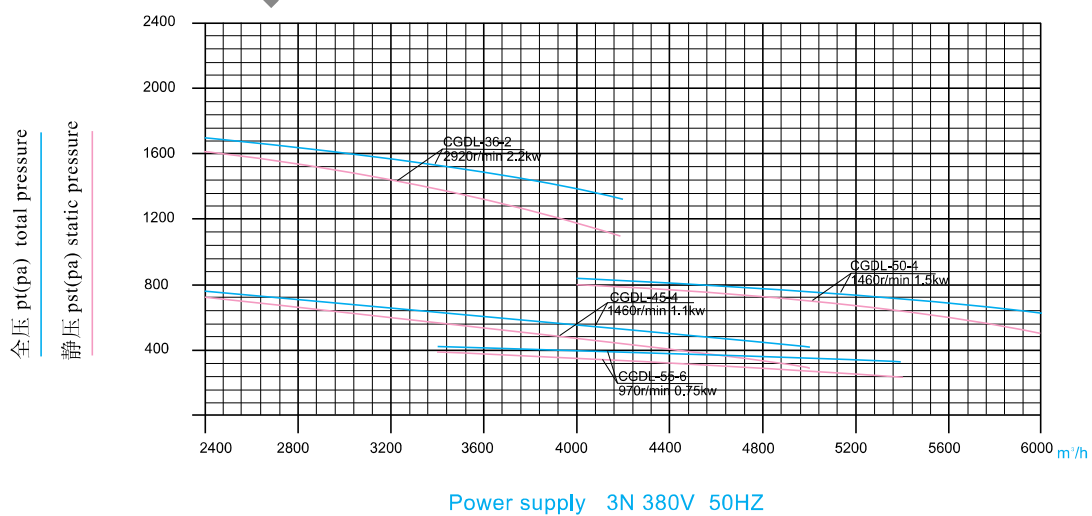
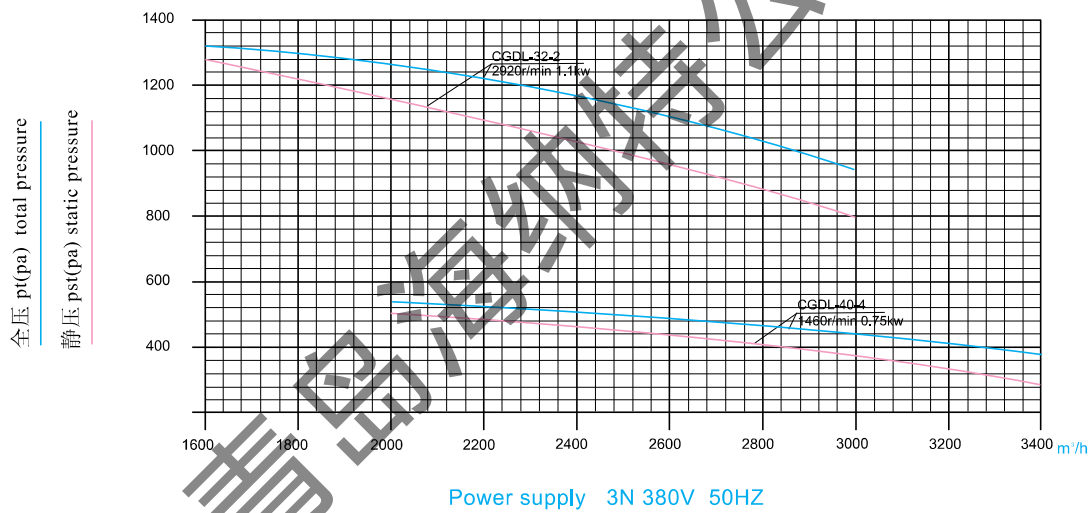
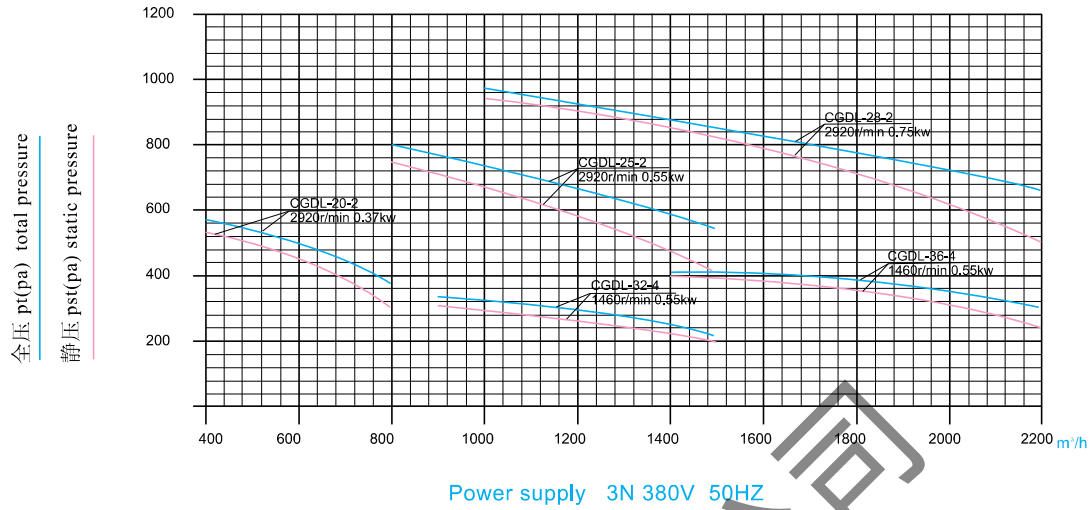
注：CGDL-20~36 无机架
CGDL-40~80 有机架

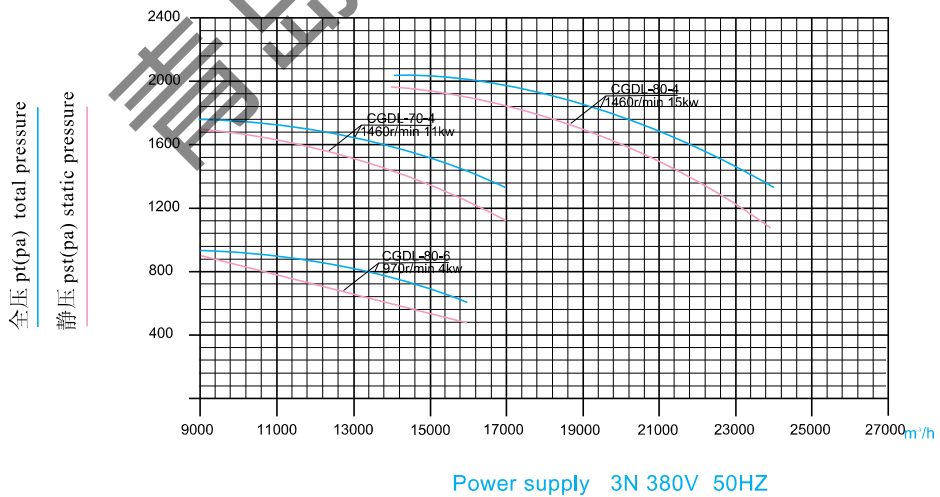
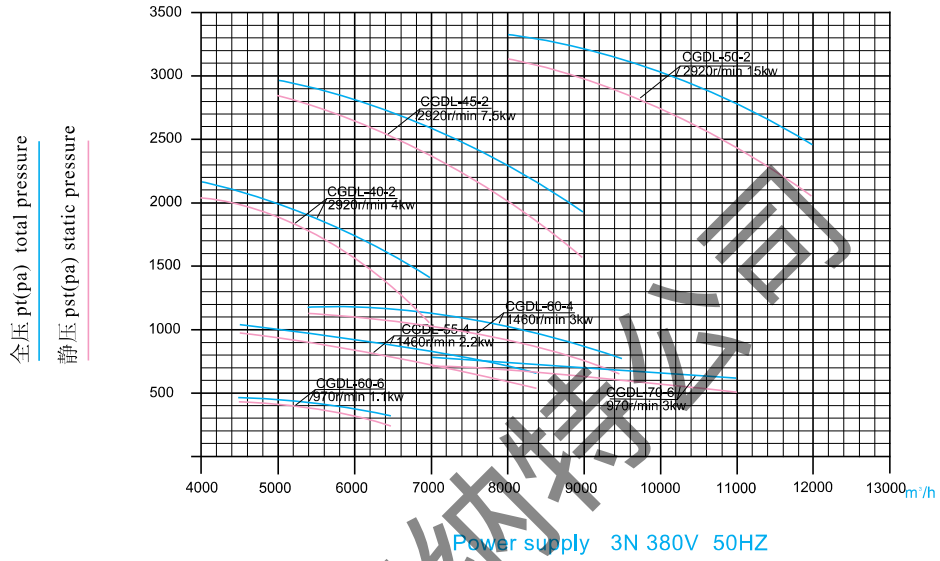
外形安装尺寸
Outline Dimension

| 型号 type | 电动机型号 type of the motor | A | A ₁ | A ₂ | B | B ₁ | B ₂ | D ₀ | D ₁ | n ₁ ×Φ ₁ | n ₂ ×Φ ₂ |
|------------|------------------------------------|-----|----------------|----------------|-----|----------------|----------------|----------------|----------------|--------------------------------|--------------------------------|
| CGDL-20-2 | Y711-2H | 120 | 76×2 | 175 | 150 | 60×2 | 203 | Φ170 | Φ200 | 10×Φ8 | 8×Φ8 |
| CGDL-25-2 | Y712-2H | 155 | 93×2 | 210 | 185 | 72×3 | 238 | Φ210 | Φ240 | 10×Φ8 | 8×Φ8 |
| CGDL-28-2 | Y801-2H Y802-2H | 180 | 106×2 | 235 | 215 | 82×3 | 268 | Φ240 | Φ270 | 10×Φ8 | 8×Φ8 |
| CGDL-32-2 | Y802-2H Y90L-2H | 210 | 124×2 | 276 | 245 | 94×3 | 309 | Φ270 | Φ305 | 10×Φ10 | 8×Φ10 |
| CGDL-32-4 | Y801-4H | | | | | | | | | | |
| CGDL-36-2 | Y90L-2H Y112M-2H | 230 | 134×2 | 296 | 280 | 105×3 | 344 | Φ320 | Φ355 | 10×Φ10 | 8×Φ10 |
| CGDL-36-4 | Y801-4H | 230 | 134×2 | 296 | 280 | 105×3 | 344 | Φ320 | Φ355 | 10×Φ10 | 8×Φ10 |
| CGDL-40-2 | Y112M-2H | 255 | 146×2 | 321 | 310 | 115×3 | 374 | Φ360 | Φ395 | 10×Φ10 | 8×Φ10 |
| CGDL-40-4 | Y802-4H Y90S-4H | | | | | | | | | | |
| CGDL-45-2 | Y132S ₂ -2H | 290 | 109×3 | 356 | 345 | 127×3 | 409 | Φ400 | Φ435 | 12×Φ10 | 12×Φ10 |
| CGDL-45-4 | Y90S-4H Y90L-4H | | | | | | | | | | |
| CGDL-50-2 | Y160M ₂ -2H | 320 | 119×3 | 386 | 390 | 142×3 | 455 | Φ450 | Φ485 | 12×Φ10 | 12×Φ10 |
| CGDL-50-4 | Y90L-4H Y100L ₁ -4H | | | | | | | | | | |
| CGDL-55-4 | Y100L ₁ -4H Y112M-4H | 355 | 131×3 | 423 | 425 | 154×3 | 491 | Φ490 | Φ532 | 12×Φ10 | 12×Φ10 |
| CGDL-55-6 | Y90S-6H Y90L-6H | 380 | 142×3 | 458 | 460 | 167×3 | 536 | Φ530 | Φ572 | 12×Φ12 | 16×Φ10 |
| CGDL-60-4 | Y100L ₂ -4H Y132S-4H | | | | | | | | | | |
| CGDL-60-6 | Y90L-6H Y100L-6H | 450 | 165×3 | 528 | 545 | 147×4 | 621 | Φ620 | Φ662 | 14×Φ12 | 16×Φ12 |
| CGDL-70-4 | Y160M-4H | | | | | | | | | | |
| CGDL-70-6 | Y132S-6H Y132M ₁ -6H | 510 | 139×4 | 588 | 620 | 166×4 | 696 | Φ700 | Φ742 | 16×Φ12 | 16×Φ12 |
| CGDL-80-4 | Y160L-4H | | | | | | | | | | |
| CGDL-80-6 | Y132M ₁ -6H Y160M-6H | 510 | 139×4 | 588 | 620 | 166×4 | 696 | Φ700 | Φ742 | 16×Φ12 | 16×Φ12 |
| CGDL-80-6 | Y160M-6H | | | | | | | | | | |

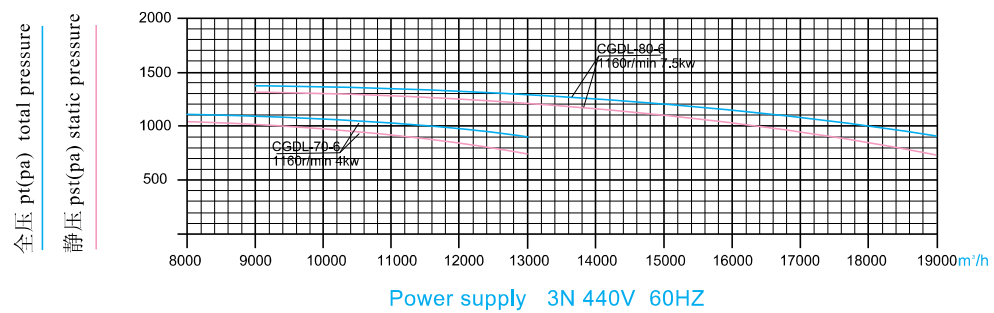
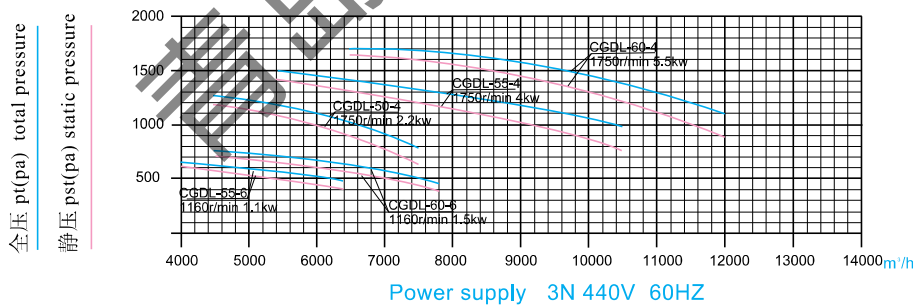
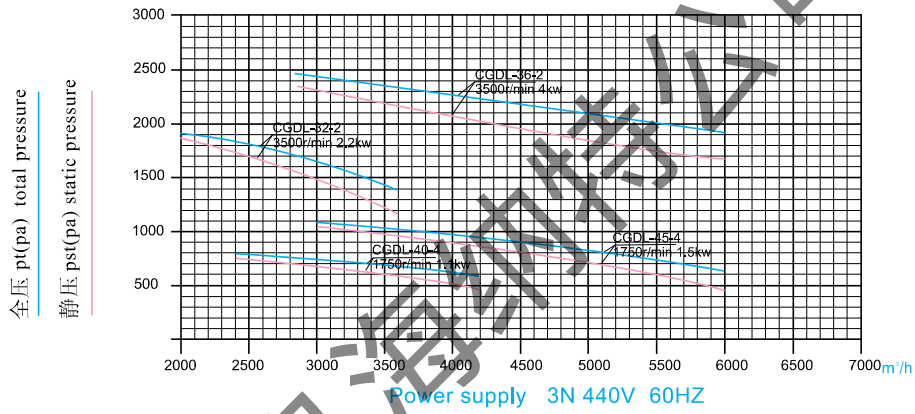
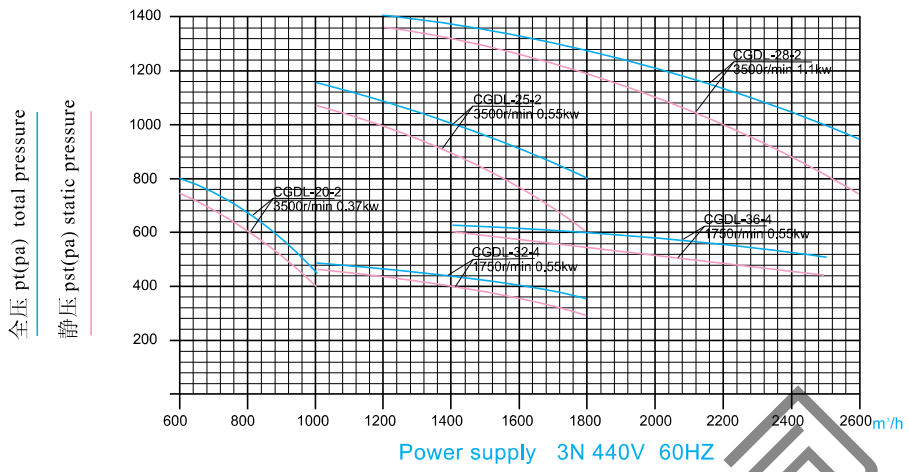
| $n_3 \times \Phi_3$ | D_2 | M_1 | M_2 | M_3 | L_1 | L_2 | L_3 | L_4 | L_5 | h | H | H_1 | H_2 | M | L |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|------|-------|-------|------|------|
| 4×Φ8 | Φ224 | 156.5 | 112 | 145 | 105 | | 107.5 | 90 | | 105 | 348 | 141 | 71 | 318 | 398 |
| 4×Φ8 | Φ264 | 181.5 | 112 | 145 | | | 125 | 90 | | 124 | 412 | 170 | 71 | 375 | 436 |
| 4×Φ10 | Φ294 | 201.5 | 125 | 160 | 138 | | 142.5 | 100 | | 140 | 466 | 193 | 80 | 422 | 477 |
| 4×Φ10 | Φ335 | 225 | 125 | 160 | 160 | | 163 | 100 | | 159 | 532 | 218 | 80 | 476 | 515 |
| | | | 140 | 176 | | | 169 | 125 | | | | | 90 | | 607 |
| | | | 125 | 160 | | | 163 | 100 | | | | | 80 | | 515 |
| 4×Φ10 | Φ385 | 252 | 140 | 176 | 170 | | 179 | 125 | | 176 | 595 | 249 | 90 | 534 | 596 |
| | | | 190 | 240 | | | 192 | 140 | | | | | 112 | | 636 |
| 4×Φ10 | Φ385 | 252 | 125 | 160 | 170 | | 173 | 100 | | 176 | 595 | 249 | 80 | 534 | 534 |
| 6×Φ12 | Φ425 | 282 | 310 | 344 | 182 | | 175 | 190 | 580 | 191 | 680 | 302 | 112 | 594 | 660 |
| | | | | | | | | 120 | 500 | | | | 80 | | 560 |
| | | | | | | | | 120 | 500 | | | | 90 | | 586 |
| 6×Φ12 | Φ465 | 310 | 350 | 384 | 200 | | 200 | 200 | 660 | 214 | 752 | 334 | 132 | 658 | 740 |
| | | | | | | | | 120 | 550 | | | | 90 | | 621 |
| | | | | | | | | 120 | 550 | | | | | | 666 |
| 4×Φ15 | Φ515 | 338 | 254 | 330 | 215 | | 277 | 210 | 730 | 240 | 812 | 370 | 160 | 729 | 880 |
| 6×Φ12 | Φ515 | 338 | 390 | 429 | 215 | | 220 | 130 | 600 | 240 | 837 | 370 | 90 | 729 | 681 |
| | | | | | | | | | | | | | 100 | | 706 |
| 6×Φ12 | Φ566 | 367 | 416 | 456 | 240 | | 240 | 160 | 670 | 260 | 905 | 400 | 100 | 795 | 742 |
| | | | | | | | | | | | | | 112 | | 760 |
| | | | | | | | | 120 | 620 | | | | 90 | | 695 |
| 6×Φ15 | Φ606 | 390 | 462 | 506 | 254 | | 250 | 170 | 710 | 280 | 975 | 427 | 100 | 847 | 768 |
| | | | | | | | | | | | | | 132 | | 840 |
| | | | | | | | | 140 | 680 | | | | 90 | | 756 |
| | | | | | | | | 170 | 710 | | | | 100 | | 768 |
| 6×Φ15 | Φ696 | 465 | 542 | 586 | 290 | 210 | 290 | 280 | 930 | 327 | 1114 | 507 | 160 | 1007 | 1012 |
| | | | | | | | | 210 | 830 | | | | 132 | | 912 |
| | | | | | | | | | | | | | | | 950 |
| 6×Φ19 | Φ776 | 509 | 590 | 644 | 320 | 240 | 320 | 300 | 980 | 370 | 1282 | 564 | 160 | 1120 | 1126 |
| | | | | | | | | 240 | 930 | | | | 132 | | 1010 |
| | | | | | | | | 300 | 980 | | | | 160 | | 1072 |

风机特性曲线图 Characteristic Curves
380V 50HZ





风机特性曲线图 Characteristic Curves
440V 60HZ



CXL系列舰船用小型离心通风机 CXL Series Marine Or Navy Small-sized Centrifugal Fans

一、概述

CXL系列舰船用小型离心通风机可输送空气，含有盐雾的海洋空气和含有油雾等腐蚀性空气。

本型风机适用于军船与民船上的厨房、厕所、舱壁、公共场所。

CXL型舰船用小型离心通风机如配用防爆电机，即可输送易燃、易爆的混合性气体和蒸气，并能在“危险区”内安全工作。

CXL型舰船用小型离心通风机，配用Y-H舰船用三相微型异步电动机，适用于380V/220V或440V、50/60Hz的场所。

二、特点

尺寸小、重量轻、性能稳定、噪声低。

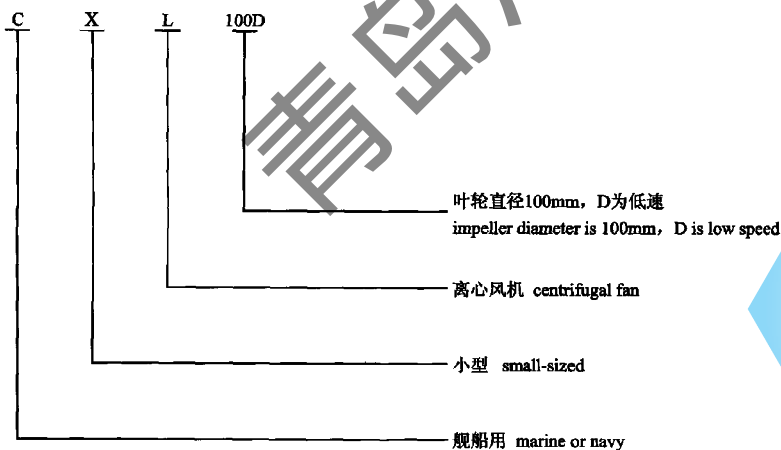
强度高、耐腐蚀、适用范围广。

抗摇摆、振动和冲击性能强。

三、结构型式

CXL型舰船用小型离心通风机，为电机直联式结构，可制成卧式或立式。本型风机的机壳、叶轮和进风口采用1Cr18Ni9Ti不锈钢制成。叶轮为铆接组成，进风口和机壳为焊接结构。

四、型号说明



1、General

CXL Series marine or navy small-sized centrifugal fans can carry ordinary air, sea air containing salt vapor and corrosive air containing oil vapor.

They are suitable ventilation of kitchen, Lavatory bulkhead, the public place and meeting room etc. in the naval and merchant ships, they can also be used for all kinds respective place.

CXL type fans can transmit gas mixtures or vapor of combustible and explosive and working safely in "dangerous place", if the fans are matched with explosion-proof motors.

CXL series fans can be matched with Y - H three phase marine small induction motors they can used on place of 380V/220V or 440V, 50/60HZ.

2.Features

Small size, light weight, stable performance, low noise.

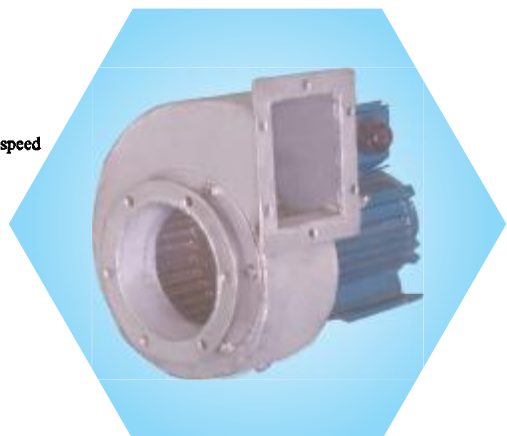
Well strength well-anticorrosive, Wide application range.

Strongly capable of resisting swing, vibration and shock.

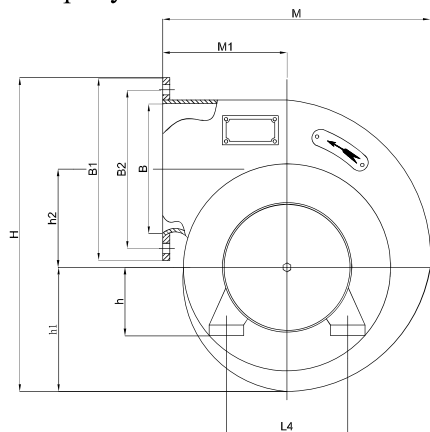
3.Structure

CXL series marine or navy small-sized centrifugal fans is the construction with direct coupling for the motor. It can be constructed into a horizontal type or a vertical type. The impeller, the casing and the inlet are made of 1Cr18Ni9Ti stainless steel, the impeller is made of riveted. Both the casing and the inlet are made of welded.

4.Model explanation



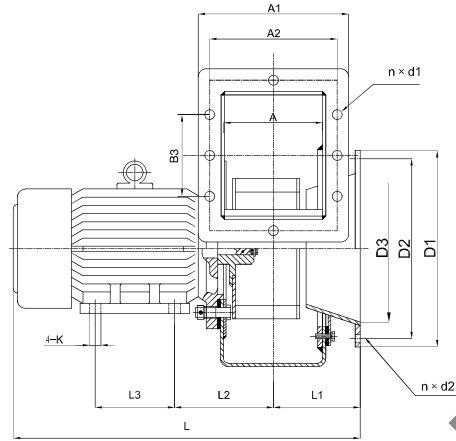
CXL系列主要性能参数及外形安装尺寸 CXL Main Property Parameters and Outline Dimensions



| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 噪声 noise dB(A) | 电动机 motor | | | 外形尺寸 dimensions (mm) | | | | | | | | | |
|------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|----------------------|------------------|-------------------|------------|----------------------|-----|-----|-----|-----|-----|------|------|------|------|
| | | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | A | A1 | A2 | B | B1 | B2 | B3 | D1 | D2 | D3 |
| CXL-100D | 110 | 90 | 67 | 1400 | 52 | 50 | 0.06 | Y561-4H | 64 | 98 | 84 | 76 | 108 | 94 | 50 | φ119 | φ104 | φ86 |
| | 135 | 133 | 99 | 1700 | 55 | 60 | 0.06 | | | | | | | | | | | |
| CXL-100G | 220 | 360 | 268 | 2800 | 63 | 50 | 0.09 | Y561-2H | 64 | 98 | 84 | 76 | 108 | 94 | 50 | φ119 | φ104 | φ86 |
| | 270 | 532 | 396 | 3400 | 67 | 60 | 0.09 | | | | | | | | | | | |
| CXL-110D | 150 | 110 | 80 | 1400 | 54 | 50 | 0.06 | Y561-4H | 70 | 104 | 90 | 84 | 116 | 102 | 55 | φ128 | φ113 | φ95 |
| | 185 | 162 | 118 | 1700 | 58 | 60 | 0.06 | | | | | | | | | | | |
| CXL-110G | 300 | 440 | 320 | 2800 | 65 | 50 | 0.12 | Y562-2H | 70 | 104 | 90 | 84 | 116 | 102 | 55 | φ128 | φ113 | φ95 |
| | 370 | 648 | 472 | 3400 | 69 | 60 | 0.12 | | | | | | | | | | | |
| CXL-125D | 220 | 140 | 102 | 1400 | 57 | 50 | 0.06 | Y561-4H | 80 | 114 | 100 | 95 | 127 | 113 | 62.5 | φ141 | φ126 | φ108 |
| | 270 | 206 | 150 | 1700 | 61 | 60 | 0.06 | | | | | | | | | | | |
| CXL-125G | 440 | 560 | 408 | 2800 | 69.5 | 50 | 0.18 | Y631-2H | 80 | 114 | 100 | 95 | 127 | 113 | 62.5 | φ141 | φ126 | φ108 |
| | 540 | 824 | 600 | 3400 | 72 | 60 | 0.18 | | | | | | | | | | | |
| CXL-140D | 300 | 180 | 135 | 1400 | 60 | 50 | 0.06 | Y561-4H | 90 | 134 | 114 | 107 | 149 | 129 | 70 | φ164 | φ144 | φ121 |
| | 365 | 265 | 199 | 1700 | 64 | 60 | 0.06 | | | | | | | | | | | |
| CXL-140G | 600 | 720 | 540 | 2800 | 71.5 | 50 | 0.25 | Y632-2H | 90 | 134 | 114 | 107 | 149 | 129 | 70 | φ164 | φ144 | φ121 |
| | 730 | 1060 | 796 | 3400 | 76 | 60 | 0.37 | | | | | | | | | | | |
| CXL-160D | 450 | 230 | 170 | 1400 | 64 | 50 | 0.12 | Y631-4H | 102 | 146 | 126 | 122 | 165 | 145 | 80 | φ181 | φ161 | φ138 |
| | 550 | 339 | 251 | 1700 | 68 | 60 | 0.12 | | | | | | | | | | | |
| CXL-160G | 900 | 920 | 680 | 2800 | 75 | 50 | 0.37 | Y711-2H | 102 | 146 | 126 | 122 | 165 | 145 | 80 | φ181 | φ161 | φ138 |
| | 1100 | 1356 | 1004 | 3500 | 79 | 60 | 0.75 | | | | | | | | | | | |
| CXL-180D | 640 | 290 | 217 | 1400 | 67 | 50 | 0.37 | Y712-4H | 115 | 171 | 146 | 137 | 190 | 165 | 90 | φ208 | φ183 | φ155 |
| | 780 | 428 | 320 | 1700 | 71 | 60 | 0.37 | | | | | | | | | | | |
| CXL-180G | 1280 | 1160 | 868 | 2920 | 78 | 50 | 0.75 | Y801-2H | 115 | 171 | 146 | 137 | 190 | 165 | 90 | φ208 | φ183 | φ155 |
| | 1600 | 1812 | 1356 | 3500 | 82.5 | 60 | 1.50 | | | | | | | | | | | |
| CXL-200D | 900 | 375 | 276 | 1460 | 70 | 50 | 0.55 | Y801-4H | 128 | 184 | 159 | 152 | 205 | 180 | 100 | φ225 | φ200 | φ172 |
| | 1080 | 553 | 407 | 1750 | 74 | 60 | 0.55 | | | | | | | | | | | |
| CXL-200G | 1880 | 1631 | 1201 | 2920 | 82 | 50 | 1.50 | Y90S-2H | 128 | 184 | 159 | 152 | 205 | 180 | 100 | φ225 | φ200 | φ172 |
| | 2250 | 2343 | 1725 | 3500 | 85 | 60 | 2.20 | | | | | | | | | | | |

CXL系列主要性能参数及外形安装尺寸

CXL Main Property Parameters and Outline Dimensions



| 外形尺寸 dimensions (mm) | | | | | | | | | | | | | | | 重量 weight ≈kg | | | | | | | |
|----------------------|----|------|----|-------|-----|-------|-------|-------|------|-----|-------|------|-----|-----|---------------------|-------|------|-----|-----|------|------|----|
| n×d1 | | n×d2 | | H | h | h1 | h2 | M | M1 | L | L1 | L2 | L3 | L4 | | 4-K | | | | | | |
| 6 | φ6 | 6 | φ6 | 192 | 56 | 76 | 62 | 163.5 | 75 | 280 | 56 | 70.5 | 71 | 90 | 4 | φ 5.8 | 12 | | | | | |
| 6 | φ6 | 6 | φ6 | 209.5 | 56 | 83.5 | 68 | 179.8 | 82.5 | 290 | 61.5 | 73.5 | 71 | 90 | 4 | φ 5.8 | 13.5 | | | | | |
| 6 | φ6 | 6 | φ6 | 235.7 | 56 | 94.5 | 77.55 | 204.4 | 94 | 301 | 68.5 | 78.5 | 71 | 90 | 4 | φ 5.8 | 15.5 | | | | | |
| | | | | | 63 | | | | | 318 | | | | | | | 82.5 | 80 | 100 | 4 | φ 7 | 17 |
| 6 | φ7 | 6 | φ7 | 267 | 56 | 106 | 86.5 | 228.5 | 105 | 315 | 77.5 | 83.5 | 71 | 90 | 4 | φ 5.8 | 17 | | | | | |
| | | | | | 63 | | | | | 332 | | | | | | | 87.5 | 80 | 100 | φ 7 | 19 | |
| | | | | | 71 | | | | | 350 | | | | | | | 92.5 | 90 | 112 | φ 7 | 21 | |
| 6 | φ7 | 6 | φ7 | 303 | 63 | 121.5 | 99 | 261.5 | 120 | 346 | 86 | 93.5 | 80 | 100 | 4 | φ 7 | 20 | | | | | |
| | | | | | 71 | | | | | 364 | | | | | | | 98 | 90 | 112 | 4 | φ 7 | 22 |
| | | | | | 80 | | | | | 394 | | | | | | | 103 | 100 | 125 | 4 | φ 10 | 26 |
| 6 | φ9 | 6 | φ9 | 343 | 71 | 130.5 | 111.5 | 294 | 135 | 382 | 103.5 | 106 | 90 | 112 | 4 | φ 7 | 23 | | | | | |
| | | | | | 80 | | | | | 412 | | | | | | | 111 | 100 | 125 | 4 | φ 10 | 27 |
| | | | | | 90 | | | | | 427 | | | | | | | 117 | 100 | 140 | 4 | φ 10 | 30 |
| 6 | φ9 | 6 | φ9 | 378 | 80 | 151.5 | 124 | 306.5 | 150 | 427 | 104.5 | 117 | 100 | 125 | 4 | φ 10 | 30 | | | | | |
| | | | | | 442 | | | | | 123 | | | | | | | 100 | 140 | 4 | φ 10 | 43 | |
| | | | | | 467 | | | | | 125 | | | | | | | 125 | | | | 45 | |

CQ系列舰船用离心通风机 CQ Series Marine Or Navy Centrifugal Fans

一、概述

CQ系列舰船用离心通风机（以下简称通风机）可输送空气，含有盐雾的海洋空气和含有油雾、蓄电池自然蒸发形成的少量酸蒸气等腐蚀性空气。通风机适用于船舶上各种舱室的通风换气、锅炉通风，也可应用于其他适当的场合。

通风机按照GB11865《船用离心通风机》和中国船舶检验局现行《钢质海船入级和建造规范》的有关规定设计制造的。

二、特点

尺寸小、重量轻、低噪声、低振动、防腐性好、气密性好、启动转矩小，抗摇摆、振动和冲击性强。

三、结构型式

通风机为卧式，电动机直联式结构，亦可制成立式结构。

叶轮由铝合金材料铆接制成，并经静、动平衡校正。

机壳、进风口等采用普通钢质材料焊接而成。

通风机可制成顺时针旋转（右转）或逆时针旋转（左转）。

逆转（左转）—从电动机端正视，叶轮按逆时针方向旋转，以“L”表示。

顺转（右转）—从电动机端正视，叶轮按顺时针方向旋转，以“R”表示。

通风机可配用380V、50Hz船用交流电动机或220V船用直流电动机。

1.General

CQ series marine or navy centrifugal fan ventilator is capable of blowing air, ocean air containing salt vapour, and corrosive air which contains oil vapour and a small quantity of acid steam generated by the natural evaporation of the batteries. So it can be widely used for ventilation of various machinery room and each compartment of boats and ships as well as other like spaces.

The ventilator is designed and manufactured according to GB11865 (Marine centrifugal fan) and the Rules and Regulations for the Construction and classification of Sea-going Steelships approved by the Register of the People's Republic of China.

2.Characteristics

Small in size and light in weight. Low noise and low vibration. Good anticorrosiveness. Good airtightness. Small starting torque. Strong resistance against swing, vibration and impact.

3.structure type

The ventilator is designed and manufactured into a horizontal structure type or a vertical one, which the vane wheel is mounted directly on the motor shaft extension.

The vane wheel, being riveting structure is made of aluminium alloy and carefully balanced in static and dynamic ways.

Both the machine casing and the inlet are made of welded common steel.

The ventilator can be made for left or right rotation:

Left rotation-viewed from the motor indicated as "L".

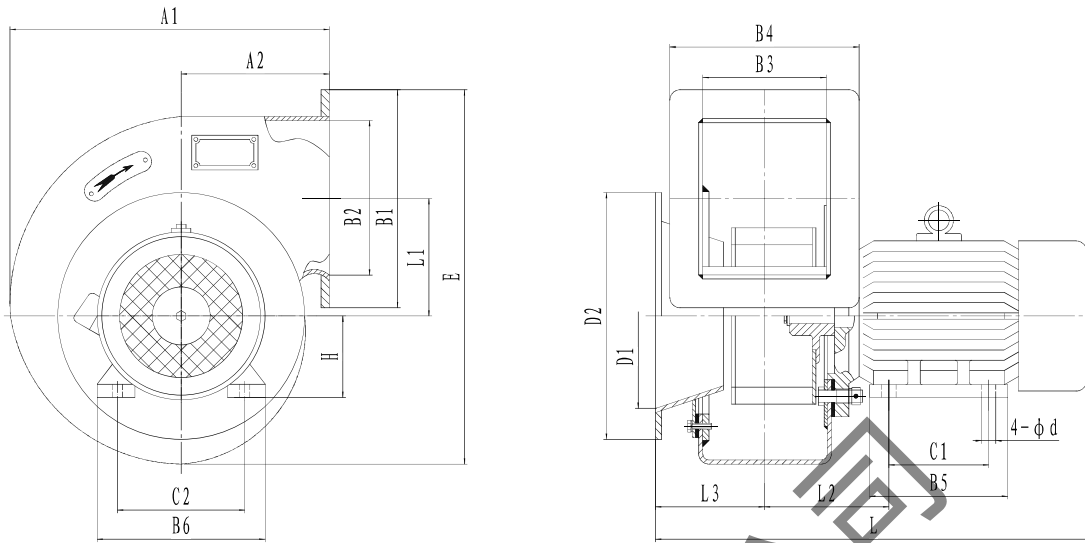
Right rotation-viewed from the motor side, the vane wheel rotates clockwise and indicated as "R".

The ventilator can be matched with marine AC motor of 380V, 50HZ, or marine DC motor of 220V.



性能参数表
Performance Parameters

| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 全压效率 efficiency % | 轴功率 shaft power KW | 转速 speed r/min | 电动机 motor | |
|------------|--------------------------------------|-------------------------------|-------------------------|--------------------------|----------------------|------------------------|-------------------|
| | | | | | | 型号 type | 功率 power Kw |
| CQ2-J | 500 | 590 | 54 | 0.15 | 2900 | A3H6312 | 0.37 |
| CQ3-J | 800 | 590 | 55 | 0.24 | 2900 | A3H6312 | 0.37 |
| CQ4-J | 1800 | 590 | 56 | 0.53 | 2900 | Y801-2H | 0.75 |
| CQ5-J | 2500 | 590 | 65 | 0.68 | 1450 | Y90S-4H | 1.1 |
| CQ6-J | 3500 | 590 | 60 | 0.96 | 1450 | Y90L-4H | 1.5 |
| CQ7-J | 6000 | 590 | 60 | 1.64 | 1450 | Y100L ₁ -4H | 2.2 |
| CQ8-J | 8000 | 590 | 62 | 2.18 | 960 | Y132S-6H | 3.0 |
| CQ9-J | 10000 | 590 | 62 | 2.65 | 960 | Y132M ₁ -6H | 4 |
| CQ10-J | 900 | 1180 | 64 | 0.54 | 2900 | Y801-2H | 0.75 |
| CQ11-J | 1500 | 1180 | 65 | 0.76 | 2900 | Y802-2H | 1.1 |
| CQ12-J | 2200 | 1180 | 70 | 0.96 | 2900 | Y90S-2H | 1.5 |
| CQ13-J | 2800 | 1180 | 60 | 1.53 | 2900 | Y90L-2H | 2.2 |
| CQ14-J | 5000 | 1180 | 60 | 2.72 | 1450 | Y112M-4H | 4 |
| CQ15-J | 7500 | 1180 | 65 | 3.78 | 1450 | Y132S-4H | 5.5 |
| CQ16-J | 9000 | 1180 | 65 | 4.60 | 1450 | Y132S-4H | 5.5 |
| CQ17-J | 12000 | 1180 | 65 | 6.04 | 1450 | Y132M-4H | 7.5 |
| CQ18-J | 600 | 1960 | 60 | 0.55 | 2900 | Y801-2H | 0.75 |
| CQ19-J | 2000 | 1960 | 64 | 1.82 | 2900 | Y90L-2H | 2.2 |
| CQ20-J | 3500 | 1960 | 60 | 3.18 | 2900 | Y112M-2H | 4 |
| CQ21-J | 5000 | 1960 | 60 | 4.52 | 2900 | Y132Si-2H | 5.5 |
| CQ22-J | 9000 | 1960 | 70 | 7.00 | 1450 | Y160M-4H | 11 |
| CQ23-J | 800 | 4410 | 62 | 1.58 | 2900 | Y90L-2H | 2.2 |
| CQ24-J | 1000 | 1960 | 65 | 0.85 | 2900 | Y802-2H | 1.1 |
| CQ25-J | 12000 | 2450 | 61 | 13.4 | 2900 | Y160-2H | 18.5 |



通风机外形尺寸 (mm)
Outline Dimensions

| 型号 type | D1 | D2 | B1 | B2 | B3 | B4 | A1 | A2 | L1 | L2 | L3 | B5 | B6 | C1 | C2 | E | H | L | d | 重量 weight /kg |
|------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|---------------------|
| CQ2-J | 137 | 190 | 183 | 130 | 90 | 144 | 294 | 126 | 109 | 101 | 90 | 104 | 120 | 80 | 100 | 322 | 63 | 394 | 8 | 28 |
| CQ3-J | 137 | 190 | 183 | 130 | 90 | 144 | 294 | 126 | 109 | 101 | 90 | 104 | 120 | 80 | 100 | 322 | 63 | 394 | 8 | 27 |
| CQ4-J | 205 | 265 | 238 | 185 | 125 | 181 | 379 | 172 | 153 | 120 | 103 | 130 | 160 | 100 | 125 | 445 | 80 | 420 | 10 | 35 |
| CQ5-J | 215 | 270 | 283 | 230 | 160 | 216 | 467 | 209 | 189 | 145 | 121 | 130 | 180 | 100 | 140 | 545 | 90 | 471 | 10 | 37 |
| CQ6-J | 280 | 340 | 313 | 260 | 180 | 236 | 521 | 225 | 210 | 155 | 150 | 155 | 180 | 125 | 140 | 616 | 90 | 535 | 10 | 44 |
| CQ7-J | 325 | 380 | 378 | 325 | 215 | 271 | 638 | 270 | 271 | 179 | 147 | 180 | 205 | 140 | 160 | 760 | 100 | 583 | 12 | 58 |
| CQ8-J | 400 | 455 | 434 | 380 | 255 | 311 | 755 | 320 | 313 | 225 | 178 | 210 | 280 | 140 | 216 | 895 | 132 | 710 | 12 | 91 |
| CQ9-J | 420 | 475 | 474 | 420 | 270 | 328 | 825 | 360 | 327 | 234 | 175 | 245 | 280 | 178 | 216 | 955 | 132 | 756 | 12 | 132 |
| CQ10-J | 150 | 205 | 218 | 165 | 78 | 134 | 401 | 200 | 134 | 97 | 86 | 130 | 160 | 100 | 125 | 426 | 80 | 379 | 10 | 26 |
| CQ11-J | 180 | 236 | 218 | 165 | 115 | 171 | 414 | 156 | 142 | 115 | 97 | 130 | 160 | 100 | 125 | 410 | 80 | 412 | 10 | 26 |
| CQ12-J | 180 | 234 | 218 | 165 | 115 | 171 | 414 | 156 | 142 | 121 | 89 | 130 | 180 | 100 | 140 | 410 | 90 | 415 | 10 | 38 |
| CQ13-J | 210 | 265 | 243 | 190 | 135 | 191 | 395 | 175 | 155 | 131 | 115 | 155 | 180 | 125 | 140 | 464 | 90 | 476 | 10 | 37 |
| CQ14-J | 350 | 406 | 373 | 320 | 230 | 286 | 675 | 302 | 275 | 194 | 173 | 185 | 245 | 140 | 190 | 772 | 112 | 639 | 12 | 99 |
| CQ15-J | 420 | 475 | 394 | 340 | 260 | 318 | 758 | 319 | 327 | 229 | 182 | 210 | 280 | 140 | 216 | 903 | 132 | 717 | 12 | 118 |
| CQ16-J | 390 | 445 | 434 | 380 | 255 | 311 | 755 | 320 | 313 | 225 | 190 | 210 | 280 | 140 | 216 | 895 | 132 | 711 | 12 | 113 |
| CQ17-J | 390 | 445 | 474 | 420 | 270 | 328 | 827 | 360 | 322 | 234 | 175 | 245 | 280 | 178 | 216 | 953 | 132 | 756 | 12 | 159 |
| CQ18-J | 142 | 205 | 203 | 150 | 74 | 130 | 393 | 193 | 140 | 95 | 70 | 130 | 160 | 100 | 125 | 426 | 80 | 360 | 10 | 26 |
| CQ19-J | 185 | 240 | 263 | 210 | 100 | 156 | 494 | 230 | 185 | 115 | 140 | 155 | 180 | 125 | 140 | 552 | 90 | 484 | 10 | 43 |
| CQ20-J | 240 | 294 | 273 | 220 | 150 | 206 | 442 | 198 | 178 | 154 | 115 | 185 | 245 | 140 | 190 | 519 | 112 | 539 | 12 | 66 |
| CQ21-J | 240 | 294 | 313 | 260 | 180 | 236 | 472 | 210 | 170 | 188 | 125 | 210 | 280 | 140 | 216 | 543 | 132 | 621 | 12 | 116 |
| CQ22-J | 420 | 475 | 434 | 380 | 230 | 288 | 825 | 360 | 347 | 233 | 166 | 270 | 325 | 210 | 254 | 955 | 160 | 781 | 15 | 177 |
| CQ23-J | 140 | 195 | 118 | 65 | 95 | 151 | 560 | 275 | 257 | 112 | 94 | 155 | 180 | 125 | 140 | 596 | 90 | 436 | 10 | 65 |
| CQ24-J | 150 | 206 | 203 | 150 | 85 | 141 | 400 | 193 | 140 | 100 | 92 | 130 | 160 | 100 | 125 | 426 | 80 | 389 | 10 | 35 |

CBZ系列舰船用防爆轴流通风机 CBZ series marine or navy explosion-proof axial fans

一、概述

CBZ系列舰船用防爆轴流通风机(以下简称“防爆通风机”)是按照GB11800-2008《舰船用防爆轴流通风机》、GB3836.1-2000《爆炸性环境用防爆电气设备》中的I通用要求、GB3836.2-2000《爆炸性环境用防爆电气设备、隔爆型电气设备“d”》的有关规定和中国船舶检验局现行《钢质海船入级和建造规范》的有关规定设计制造的。

本系列防爆通风机经中华人民共和国防爆检验单位检验合格,取得了防爆合格证,同时也经中华人民共和国船舶检验局检验合格,取得了产品船检证书。

二、特点

防爆,运转安全可靠、防腐性能好、抗摇摆、振动和冲击性能强。

三、结构形式

防爆通风机有五种结构,即I型(甲板式)、II型(管道式)和III型(隔舱式)、IV型(橄榄式)和V型(上出风式)整机结构,均为无火花型。

I型防爆电机装在机架上部,机架周围2目/英寸不锈钢网,整机立式安在甲板上,可用于抽风或送风。

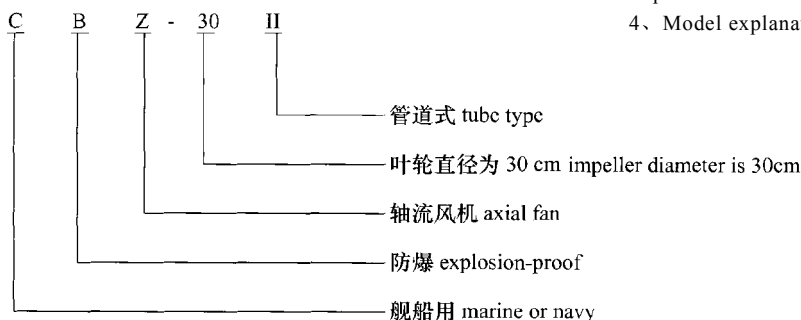
II型防爆通风机不带风帽,防蚀电动机为内装式,由静叶撑脚固定在机壳上,可立式或卧式安装,也可安装在甲板上,可用于抽风或送风。

根据用户特殊需要,可制成III、IV、V型结构,III型(隔舱式)的机构即风机和电机分开型式,中间加传动装置,密封填料函和挠性联轴器的结构,主要用于排除危险舱室的气体。

IV型(橄榄式)和V型(上出风式)气流不经过电机,保证安全

防爆通风机制成从防爆电机端正视,叶轮按顺时针方向旋转的结构。在使用过程中,允许风机逆向旋转。

四、型号说明



1、General

CBZ Series marine or navy explosion-proof axial fans (thereafter called the explosion-proof fan) are designed and manufactured according to GB11800-2008《marine explosion-proof axial fans》, GB3836.1-2000《electrical apparatus for explosive atmosphere》, GB3836.2-2000《electrical apparatus for explosive atmospheres, and explosion-proof electrical equipment "d"》,《Rules for Steel Sea Ship in Class and Building》.

This Series fans have been examined and proved up to standard by the Explosion-proof Inspection Authority of the PRC and have got the certificate of inspection. They have also been examined by the Register of shipping of PRC and have got the Certificate.

2、Features

Explosion-proof, safe and reliable in operation, well anticorrosive, strongly capable of resisting swing, vibration and shocking.

3、Structure

There are five structural types: type I (deck type), type II (tube type), type III (separate cabins type), type IV (olive type) and type V (wind upward type). The construction is non-sparking.

Type I explosion-proof fan has an explosion-proof motor installed on the top of the frame and a wire mesh guard with 2/inch, made of stainless steel, surrounding the frame. The fan is vertically fixed on the deck. It can be delivered for air supply or air extraction.

Type II explosion-proof fan has no hood, built-in type anticorrosive motor is mounted on the casing by the static vane. It can be installed vertically or horizontally, and can also be installed on the deck. It may be used for air supply or air extraction.

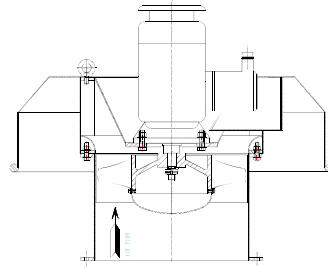
According to the customer's special requirement, the fan can be made into III, IV, V type structure, the fan and the motor with a driving device, a stuffing box and flexible coupling.

It is used primarily for exhaust of dangerous compartment. the ventilator fan can also be Type IV and Type V (olive type or wind upward type), in which the air not pass the motor thus ensuring the vessel safety.

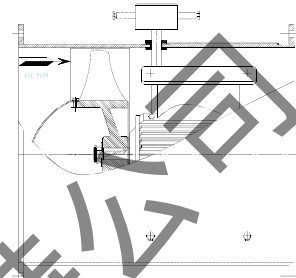
The explosion-proof ventilator is manufactured in the structure under which the impeller turns clockwise view from the motor side impeller can be reversible.

4、Model explanation

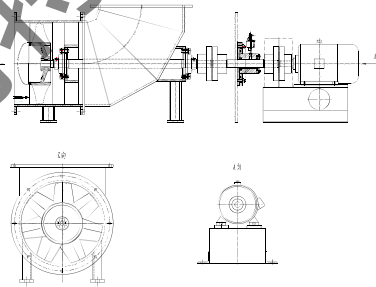
CBZ系列舰船用防爆轴流通风机
CBZ series marine or navy explosion-proof axial fans



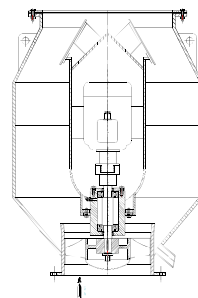
I型



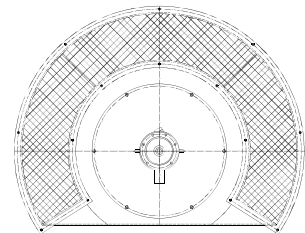
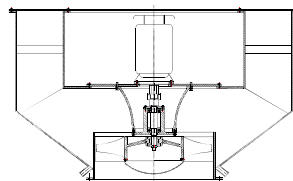
II型



III型

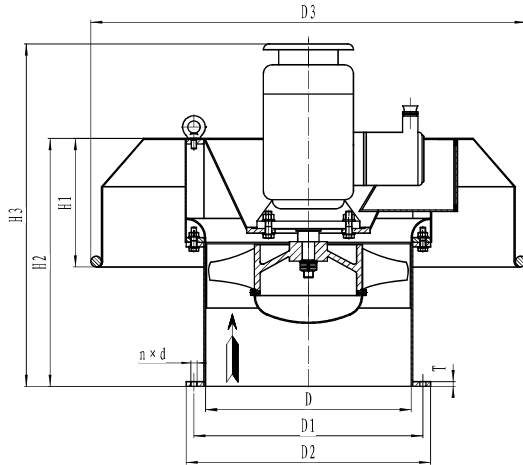


IV型

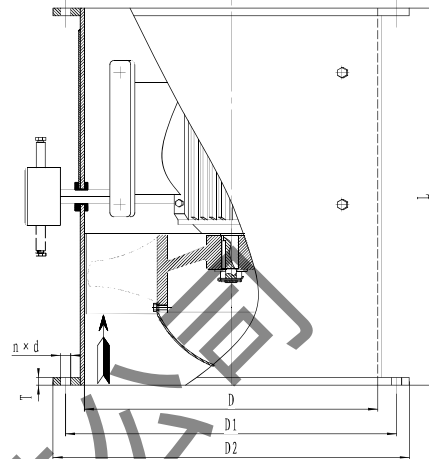


V型

CBZ系列主要性能参数及外形安装尺寸
CBZ Main Property Parameters and Outline Dimensions



I 型 (Type I)



II 型 (Type II)

| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 motor | | | 外形尺寸 dimensions (mm) | | | | | | | | | 重量 weight ≈kg | | |
|------------|--------------------------------------|----------------------------|-----------------------------|----------------------|------------------|-------------------|------------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|----|---------------------|-----|-----|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | D | D ₁ | D ₂ | D ₃ | H ₁ | H ₂ | H ₃ | L | T | n × d | I | II |
| CBZ-30A | 1200 | 250 | 230 | 2920 | 50 | 0.75 | YB801-2H | φ 300 | φ 345 | φ 375 | φ 600 | 200 | 405 | 640 | 400 | 10 | 8 × 12 | 83 | 78 |
| | 1800 | 170 | 140 | | | | | | | | | | | | | | | | |
| | 1400 | 360 | 330 | 3500 | 60 | | | | | | | | | | | | | | |
| 2100 | 240 | 200 | | | | | | | | | | | | | | | | | |
| CBZ-30B | 1000 | 230 | 220 | 2920 | 50 | 1.1 | YB802-2H | φ 350 | φ 395 | φ 425 | φ 700 | 220 | 425 | 660 | 450 | 10 | 8 × 12 | 92 | 86 |
| | 1200 | 150 | 140 | | | | | | | | | | | | | | | | |
| | 1200 | 330 | 320 | 3500 | 60 | | | | | | | | | | | | | | |
| 1400 | 220 | 200 | | | | | | | | | | | | | | | | | |
| CBZ-35A | 3000 | 360 | 320 | 2920 | 50 | 1.5 | YB90S-2H | φ 350 | φ 395 | φ 425 | φ 700 | 220 | 425 | 660 | 450 | 10 | 8 × 12 | 91 | 85 |
| | 4500 | 240 | 140 | | | | | | | | | | | | | | | | |
| | 3600 | 520 | 460 | 3500 | 60 | | | | | | | | | | | | | | |
| 5400 | 340 | 200 | | | | | | | | | | | | | | | | | |
| CBZ-35B | 1800 | 360 | 340 | 2920 | 50 | 1.1 | YB802-2H | φ 400 | φ 445 | φ 475 | φ 800 | 250 | 485 | 730 | 500 | 10 | 12 × 12 | 97 | 90 |
| | 3000 | 220 | 180 | | | | | | | | | | | | | | | | |
| | 2100 | 510 | 490 | 3500 | 60 | | | | | | | | | | | | | | |
| 3600 | 330 | 270 | | | | | | | | | | | | | | | | | |
| CBZ-40A | 4500 | 550 | 490 | 2920 | 50 | 2.2 | YB90L-2H | φ 400 | φ 445 | φ 475 | φ 800 | 250 | 485 | 730 | 500 | 10 | 12 × 12 | 96 | 89 |
| | 6000 | 470 | 370 | | | | | | | | | | | | | | | | |
| | 5400 | 800 | 710 | 3500 | 60 | | | | | | | | | | | | | | |
| 7200 | 680 | 530 | | | | | | | | | | | | | | | | | |
| CBZ-40B | 3000 | 490 | 460 | 2920 | 50 | 2.2 | YB90L-2H | φ 450 | φ 510 | φ 547 | φ 850 | 265 | 500 | 730 | 550 | 10 | 12 × 12 | 102 | 87 |
| | 4500 | 380 | 320 | | | | | | | | | | | | | | | | |
| | 3600 | 710 | 670 | 3500 | 60 | | | | | | | | | | | | | | |
| 5400 | 540 | 460 | | | | | | | | | | | | | | | | | |
| CBZ-45A | 3000 | 190 | 180 | 1460 | 50 | 1.1 | YB90S-4H | φ 500 | φ 560 | φ 595 | φ 900 | 280 | 515 | 720 | 550 | 10 | 12 × 15 | 99 | 91 |
| | 5000 | 160 | 120 | | | | | | | | | | | | | | | | |
| | 3600 | 270 | 260 | 1750 | 60 | | | | | | | | | | | | | | |
| 6000 | 230 | 170 | | | | | | | | | | | | | | | | | |
| CBZ-45B | 4300 | 500 | 460 | 2920 | 50 | 2.2 | YB90L-2H | φ 450 | φ 510 | φ 547 | φ 850 | 265 | 500 | 730 | 550 | 10 | 12 × 12 | 106 | 90 |
| | 6500 | 400 | 350 | | | | | | | | | | | | | | | | |
| | 5200 | 720 | 650 | 3500 | 60 | | | | | | | | | | | | | | |
| 7200 | 570 | 490 | | | | | | | | | | | | | | | | | |
| CBZ-45C | 6500 | 600 | 540 | 2920 | 50 | 3 | YB100L-2H | φ 450 | φ 510 | φ 547 | φ 850 | 265 | 500 | 730 | 550 | 10 | 12 × 12 | 102 | 87 |
| | 8400 | 510 | 380 | | | | | | | | | | | | | | | | |
| | 7200 | 850 | 700 | 3500 | 60 | | | | | | | | | | | | | | |
| 10000 | 700 | 530 | | | | | | | | | | | | | | | | | |
| CBZ-50A | 6000 | 210 | 170 | 1460 | 50 | 1.1 | YB90S-4H | φ 500 | φ 560 | φ 595 | φ 900 | 280 | 515 | 720 | 550 | 10 | 12 × 15 | 99 | 91 |
| | 7200 | 300 | 240 | 1750 | 60 | 1.5 | YB90L-4H | | | | | | | | | | | | |
| CBZ-50B | 6000 | 640 | 600 | 2920 | 50 | 3 | YB100L-2H | φ 500 | φ 560 | φ 595 | φ 900 | 280 | 515 | 780 | 550 | 10 | 12 × 15 | 111 | 103 |
| | 9000 | 560 | 460 | | | | | | | | | | | | | | | | |

CBZ系列主要性能参数及外形安装尺寸

CBZ Main Property Parameters and Outline Dimensions

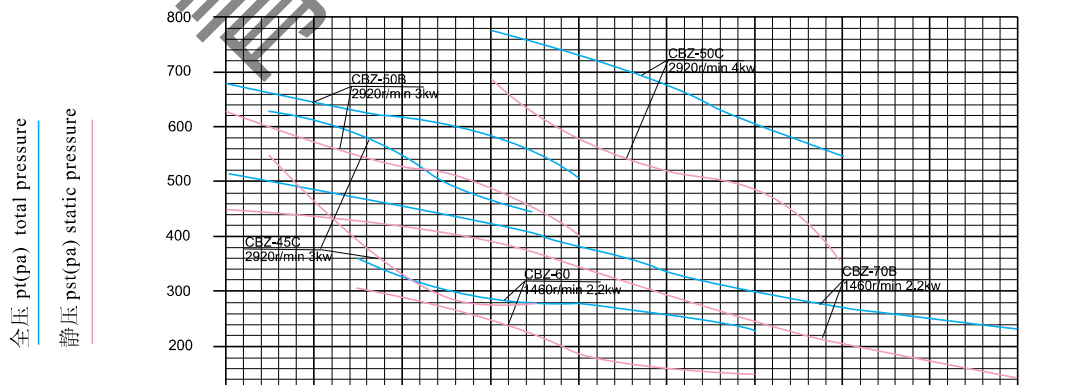
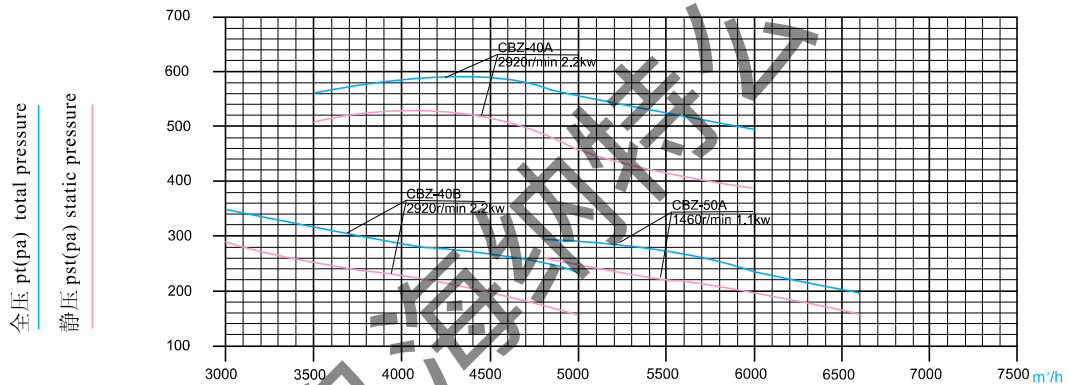
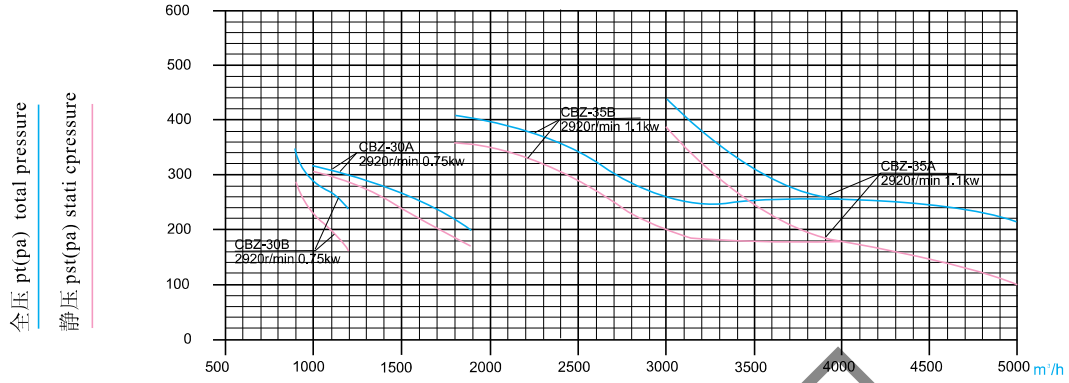
| 型号 type | 流量 flow rate m³/h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 motor | | | 外形尺寸 dimensions (mm) | | | | | | | | | | 重量 weight ≈kg | |
|------------|-------------------------|----------------------------|-----------------------------|----------------------|------------------|-------------------|-------------------------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|----|---------|---------------------|-----|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | D | D ₁ | D ₂ | D ₃ | H ₁ | H ₂ | H ₃ | L | T | n×d | I | II |
| | | | | | | | | | | | | | | | | | | | |
| CBZ-50B | 7200 | 920 | 860 | 3500 | 60 | 4 | YB112M-2H | φ 500 | φ 560 | φ 595 | φ 900 | 280 | 515 | 810 | 550 | 10 | 12 × 15 | 111 | 103 |
| | 10000 | 790 | 670 | | | | | | | | | | | | | | | 119 | 111 |
| CBZ-50C | 9000 | 750 | 650 | 2920 | 50 | 4 | YB112M-2H | φ 500 | φ 560 | φ 595 | φ 900 | 280 | 515 | 810 | 550 | 10 | 12 × 15 | 119 | 111 |
| | 12000 | 630 | 460 | | | | | | | | | | | 810 | | | | 143 | 135 |
| CBZ-55 | 10000 | 1060 | 940 | 3500 | 60 | 5.5 | YB132S-2H | φ 550 | φ 610 | φ 647 | φ 960 | 290 | 530 | 750 | 550 | 10 | 12 × 15 | 140 | 120 |
| | 9000 | 180 | 120 | | | | | | | | | | | 795 | | | | 125 | |
| CBZ-60 | 7200 | 240 | 190 | 1460 | 50 | 1.5 | YB90L-4H | φ 550 | φ 610 | φ 647 | φ 960 | 290 | 530 | 750 | 550 | 10 | 12 × 15 | 140 | 120 |
| | 9000 | 180 | 120 | | | | | | | | | | | 795 | | | | 125 | |
| CBZ-60 | 8600 | 340 | 270 | 1750 | 60 | 2.2 | YB100L ₁ -4H | φ 600 | φ 660 | φ 695 | φ 1020 | 300 | 545 | 800 | 550 | 10 | 12 × 15 | 140 | 130 |
| | 10800 | 250 | 170 | | | | | | | | | | | 800 | | | | 130 | |
| CBZ-70A | 9000 | 260 | 220 | 1460 | 50 | 2.2 | YB100L ₁ -4H | φ 600 | φ 660 | φ 695 | φ 1020 | 300 | 545 | 800 | 550 | 10 | 12 × 15 | 140 | 130 |
| | 12000 | 220 | 140 | | | | | | | | | | | 800 | | | | 130 | |
| CBZ-70A | 10000 | 380 | 320 | 1750 | 60 | 3 | YB100L ₂ -4H | φ 700 | φ 760 | φ 795 | φ 1200 | 320 | 585 | 830 | 700 | 10 | 16 × 15 | 218 | 205 |
| | 14000 | 310 | 200 | | | | | | | | | | | 830 | | | | 205 | |
| CBZ-70A | 12000 | 410 | 370 | 1460 | 50 | 3 | YB100L ₂ -4H | φ 700 | φ 760 | φ 795 | φ 1200 | 320 | 585 | 830 | 700 | 10 | 16 × 15 | 218 | 205 |
| | 15000 | 340 | 280 | | | | | | | | | | | 830 | | | | 205 | |
| CBZ-70A | 18000 | 280 | 180 | 1750 | 60 | 5.5 | YB132S-4H | φ 700 | φ 760 | φ 795 | φ 1200 | 320 | 585 | 860 | 700 | 10 | 16 × 15 | 229 | 216 |
| | 14000 | 590 | 530 | | | | | | | | | | | 860 | | | | 216 | |
| CBZ-70B | 18000 | 500 | 400 | 1750 | 60 | 5.5 | YB132S-4H | φ 700 | φ 760 | φ 795 | φ 1200 | 320 | 585 | 860 | 700 | 10 | 16 × 15 | 229 | 216 |
| | 21000 | 410 | 280 | | | | | | | | | | | 860 | | | | 216 | |
| CBZ-70B | 9000 | 390 | 370 | 1460 | 50 | 2.2 | YB100L ₁ -4H | φ 700 | φ 760 | φ 795 | φ 1200 | 320 | 585 | 830 | 700 | 10 | 16 × 15 | 216 | 203 |
| | 12000 | 270 | 230 | | | | | | | | | | | 830 | | | | 203 | |
| CBZ-70B | 15000 | 210 | 140 | 1750 | 60 | 4 | YB112M-4H | φ 700 | φ 760 | φ 795 | φ 1200 | 320 | 585 | 830 | 700 | 10 | 16 × 15 | 216 | 203 |
| | 10000 | 560 | 530 | | | | | | | | | | | 830 | | | | 203 | |
| CBZ-70B | 14000 | 390 | 330 | 1750 | 60 | 4 | YB112M-4H | φ 700 | φ 760 | φ 795 | φ 1200 | 320 | 585 | 830 | 700 | 10 | 16 × 15 | 218 | 205 |
| | 18000 | 300 | 200 | | | | | | | | | | | 830 | | | | 205 | |
| CBZ-75 | 15000 | 510 | 460 | 1460 | 50 | 4 | YB112M-4H | φ 750 | φ 820 | φ 860 | φ 1280 | 350 | 625 | 880 | 700 | 12 | 16 × 19 | 240 | 225 |
| | 18000 | 440 | 370 | | | | | | | | | | | 880 | | | | 225 | |
| CBZ-75 | 21000 | 320 | 220 | 1750 | 60 | 7.5 | YB132M-4H | φ 750 | φ 820 | φ 860 | φ 1280 | 350 | 625 | 960 | 700 | 12 | 16 × 19 | 267 | 252 |
| | 24000 | 270 | 140 | | | | | | | | | | | 960 | | | | 252 | |
| CBZ-80A | 18000 | 730 | 660 | 1460 | 50 | 4 | YB112M-4H | φ 800 | φ 870 | φ 910 | φ 1356 | 380 | 665 | 985 | 780 | 12 | 16 × 19 | 255 | 240 |
| | 21000 | 630 | 530 | | | | | | | | | | | 985 | | | | 240 | |
| CBZ-80A | 25000 | 640 | 560 | 1460 | 50 | 7.5 | YB132M-4H | φ 800 | φ 870 | φ 910 | φ 1356 | 380 | 665 | 985 | 780 | 12 | 16 × 19 | 255 | 240 |
| | 24000 | 560 | 460 | | | | | | | | | | | 985 | | | | 240 | |
| CBZ-80A | 27000 | 500 | 370 | 1750 | 60 | 11 | YB160M-4H | φ 800 | φ 870 | φ 910 | φ 1356 | 380 | 665 | 1060 | 780 | 12 | 16 × 19 | 308 | 293 |
| | 30000 | 370 | 210 | | | | | | | | | | | 1060 | | | | 293 | |
| CBZ-80B | 25000 | 910 | 800 | 1460 | 50 | 5.5 | YB132S-4H | φ 800 | φ 870 | φ 910 | φ 1356 | 380 | 665 | 985 | 780 | 12 | 16 × 19 | 255 | 240 |
| | 28000 | 800 | 660 | | | | | | | | | | | 985 | | | | 240 | |
| CBZ-80B | 32000 | 720 | 530 | 1750 | 60 | 7.5 | YB132M-4H | φ 800 | φ 870 | φ 910 | φ 1356 | 380 | 665 | 985 | 780 | 12 | 16 × 19 | 255 | 240 |
| | 36000 | 550 | 310 | | | | | | | | | | | 985 | | | | 240 | |
| CBZ-90A | 18000 | 520 | 460 | 1460 | 50 | 7.5 | YB132M-4H | φ 900 | φ 970 | φ 1010 | φ 1500 | 400 | 705 | 1010 | 850 | 12 | 16 × 19 | 283 | 265 |
| | 21000 | 450 | 370 | | | | | | | | | | | 1010 | | | | 265 | |
| CBZ-90A | 24000 | 660 | 600 | 1460 | 50 | 7.5 | YB132M-4H | φ 900 | φ 970 | φ 1010 | φ 1500 | 400 | 705 | 1010 | 850 | 12 | 16 × 19 | 283 | 265 |
| | 27000 | 540 | 460 | | | | | | | | | | | 1010 | | | | 265 | |
| CBZ-90A | 30000 | 470 | 370 | 1750 | 60 | 15 | YB160L-4H | φ 900 | φ 970 | φ 1010 | φ 1500 | 400 | 705 | 1085 | 850 | 12 | 16 × 19 | 336 | 318 |
| | 33000 | 330 | 210 | | | | | | | | | | | 1085 | | | | 318 | |
| CBZ-90B | 28000 | 950 | 860 | 1460 | 50 | 11 | YB160M-4H | φ 900 | φ 970 | φ 1010 | φ 1500 | 400 | 705 | 1085 | 850 | 12 | 16 × 19 | 336 | 318 |
| | 32000 | 770 | 660 | | | | | | | | | | | 1085 | | | | 318 | |
| CBZ-90B | 36000 | 680 | 530 | 1750 | 60 | 18.5 | YB180M-4H | φ 900 | φ 970 | φ 1010 | φ 1500 | 400 | 705 | 1125 | 850 | 12 | 16 × 19 | 354 | 336 |
| | 40000 | 480 | 300 | | | | | | | | | | | 1125 | | | | 336 | |

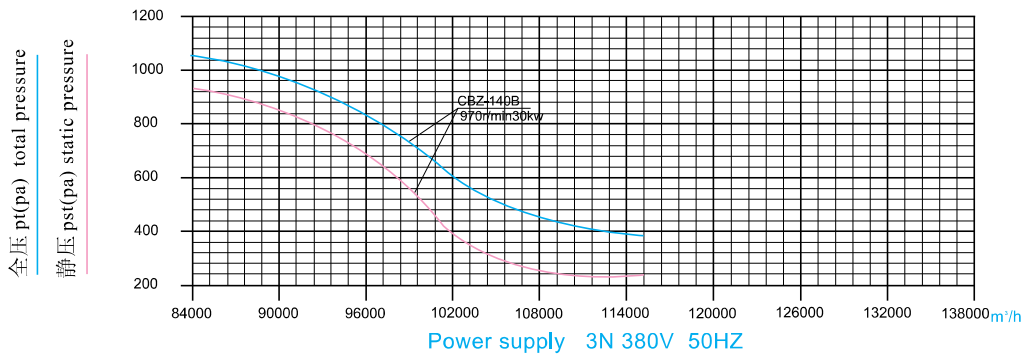
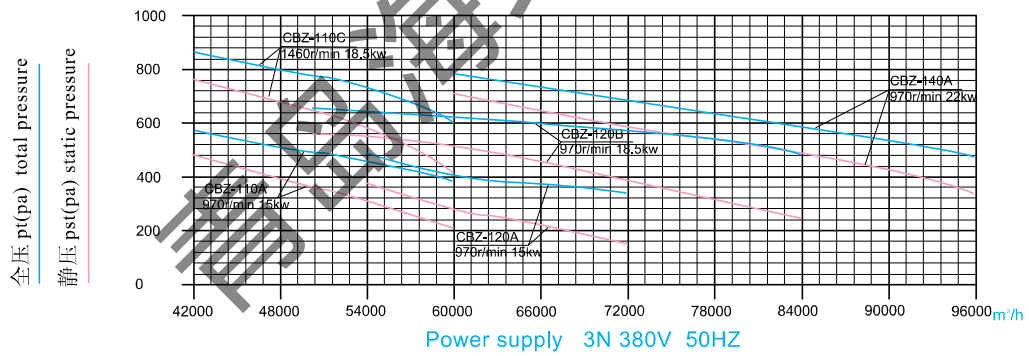
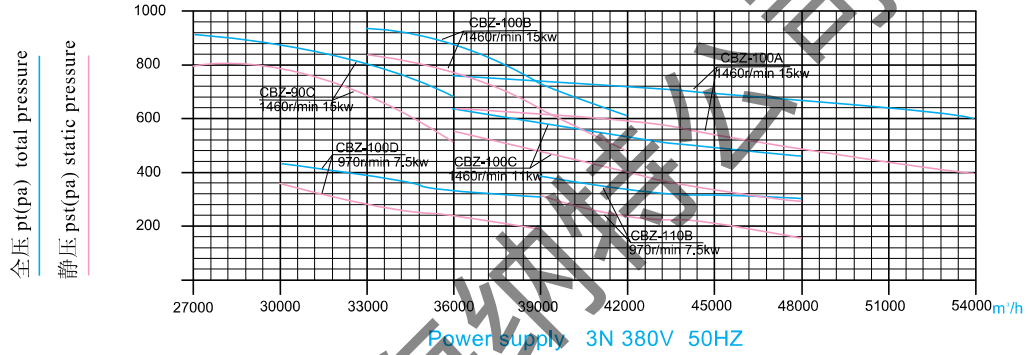
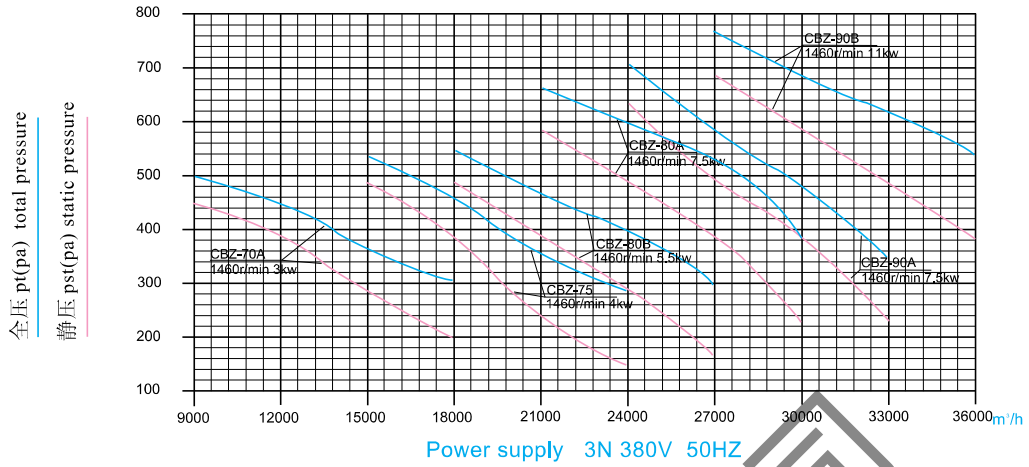
CBZ系列主要性能参数及外形安装尺寸

CBZ Main Property Parameters and Outline Dimensions

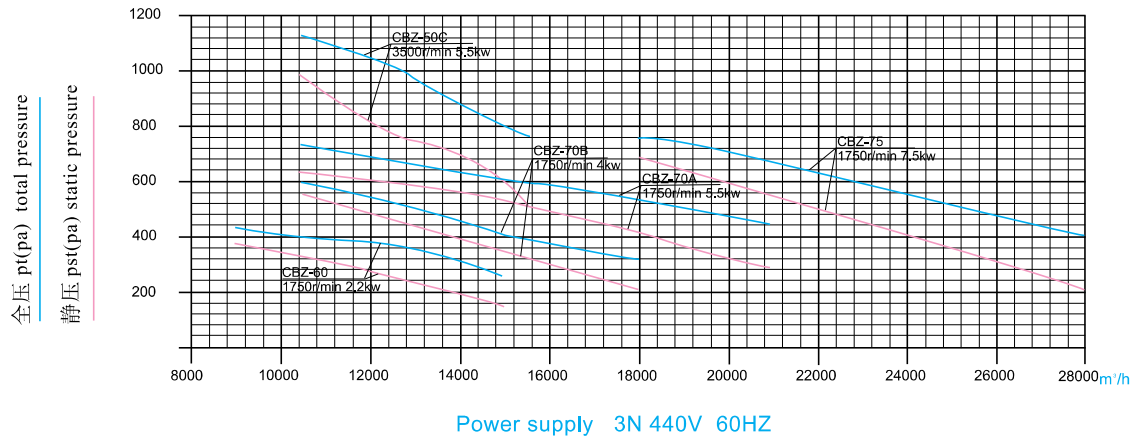
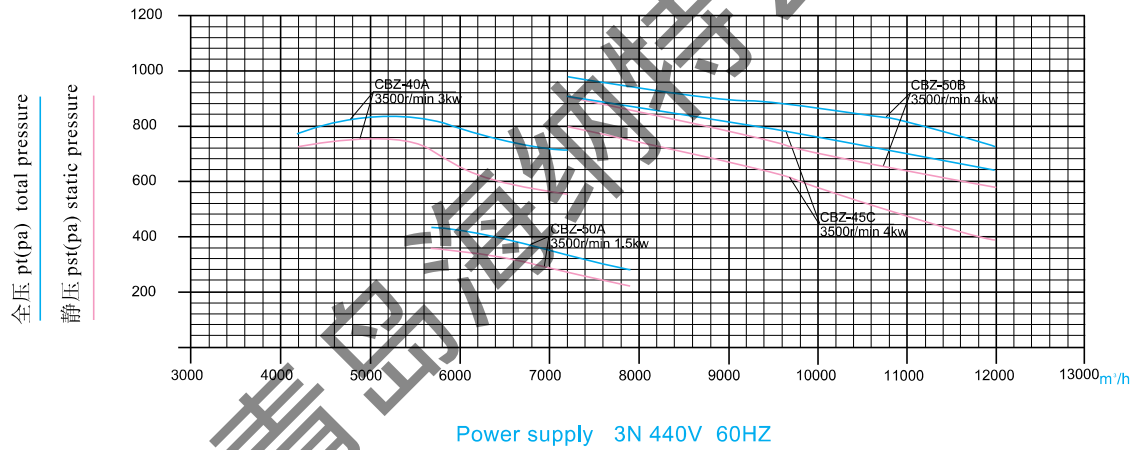
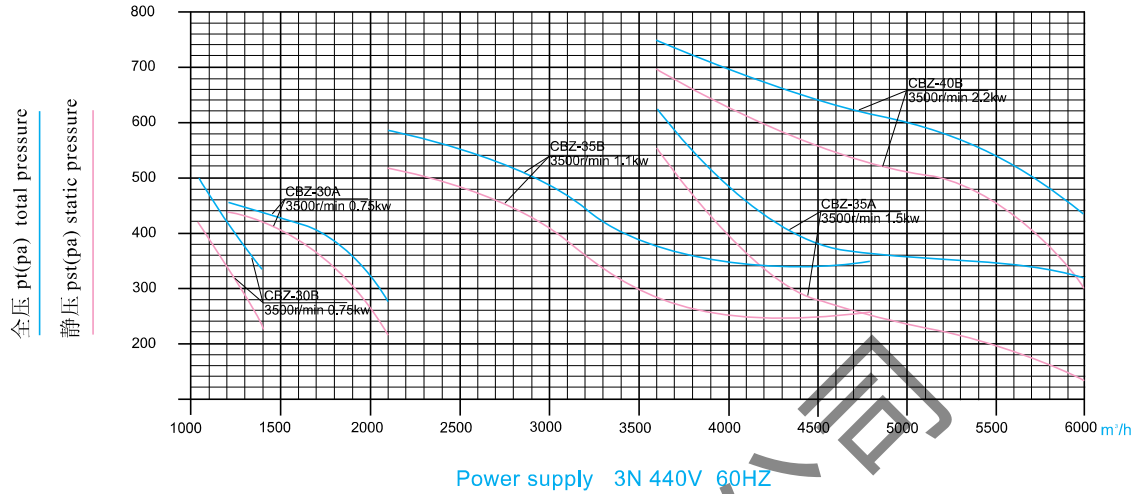
| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 motor | | | 外形尺寸 dimensions (mm) | | | | | | | | | | | 重量 weight ≈kg | |
|------------|--------------------------------------|----------------------------|-----------------------------|----------------------|------------------|-------------------|-------------------------|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|------|----|---------|------|---------------------|--|
| | | | | | 频率 freq Hz | 功率 power Kw | 型号 type | D | D ₁ | D ₂ | D ₃ | H ₁ | H ₂ | H ₃ | L | T | n×d | I | II | |
| | | | | | | | | | | | | | | | | | | | | |
| CBZ-90C | 30000 | 840 | 740 | 1460 | 50 | 15 | YB160L-4H | φ 900 | φ 970 | φ 1010 | φ 1500 | 400 | 705 | 1125 | 850 | 12 | 16 × 19 | 354 | 336 | |
| | 33000 | 770 | 650 | | | | | | | | | | | | | | | 408 | 390 | |
| | 36000 | 660 | 510 | | | | | | | | | | | | | | | | | |
| CBZ-100A | 36000 | 1220 | 1070 | 1750 | 60 | 18.5 | YB180M-4H | φ 1000 | φ 1070 | φ 1110 | φ 1800 | 480 | 805 | 1180 | 900 | 12 | 20 × 19 | 365 | 345 | |
| | 39000 | 1100 | 930 | | | | | | | | | | | | | | | 470 | 450 | |
| | 43000 | 940 | 730 | | | | | | | | | | | | | | | | | |
| CBZ-100B | 42000 | 685 | 545 | 1460 | 50 | 15 | YB160L-4H | φ 1000 | φ 1070 | φ 1110 | φ 1800 | 480 | 805 | 1180 | 900 | 12 | 20 × 19 | 365 | 345 | |
| | 48000 | 625 | 450 | | | | | | | | | | | | | | | 470 | 450 | |
| | 54000 | 585 | 350 | | | | | | | | | | | | | | | | | |
| CBZ-100C | 50000 | 985 | 780 | 1750 | 60 | 30 | YB200L-4H | φ 1000 | φ 1070 | φ 1110 | φ 1800 | 480 | 805 | 1235 | 900 | 12 | 20 × 19 | 470 | 450 | |
| | 57000 | 900 | 645 | | | | | | | | | | | | | | | 470 | 450 | |
| | 60000 | 840 | 500 | | | | | | | | | | | | | | | | | |
| CBZ-100D | 36000 | 840 | 745 | 1460 | 50 | 15 | YB160L-4H | φ 1000 | φ 1070 | φ 1110 | φ 1800 | 480 | 805 | 1180 | 900 | 12 | 20 × 19 | 365 | 345 | |
| | 39000 | 795 | 695 | | | | | | | | | | | | | | | 470 | 450 | |
| | 43000 | 1205 | 1070 | | | | | | | | | | | | | | | | | |
| CBZ-110A | 46000 | 1140 | 1000 | 1750 | 60 | 30 | YB200L-4H | φ 1100 | φ 1170 | φ 1210 | φ 2000 | 500 | 845 | 1235 | 1000 | 12 | 20 × 19 | 470 | 450 | |
| | 43000 | 1205 | 1070 | | | | | | | | | | | | | | | 470 | 450 | |
| | 46000 | 1140 | 1000 | | | | | | | | | | | | | | | | | |
| CBZ-110B | 39000 | 545 | 505 | 1460 | 50 | 11 | YB160M-4H | φ 1100 | φ 1170 | φ 1210 | φ 2000 | 500 | 845 | 1140 | 1000 | 12 | 20 × 19 | 350 | 330 | |
| | 42000 | 490 | 450 | | | | | | | | | | | | | | | 350 | 330 | |
| | 48000 | 430 | 390 | | | | | | | | | | | | | | | | | |
| CBZ-110C | 46000 | 780 | 725 | 1750 | 60 | 18.5 | YB180M-4H | φ 1100 | φ 1170 | φ 1210 | φ 2000 | 500 | 845 | 1180 | 1000 | 12 | 20 × 19 | 365 | 345 | |
| | 50000 | 705 | 645 | | | | | | | | | | | | | | | 365 | 345 | |
| | 57000 | 620 | 560 | | | | | | | | | | | | | | | | | |
| CBZ-110D | 36000 | 300 | 205 | 970 | 50 | 7.5 | YB160M-6H | φ 1100 | φ 1170 | φ 1210 | φ 2000 | 500 | 845 | 1140 | 1000 | 12 | 20 × 19 | 350 | 330 | |
| | 39000 | 255 | 155 | | | | | | | | | | | | | | | 365 | 345 | |
| | 43000 | 430 | 290 | | | | | | | | | | | | | | | | | |
| CBZ-110A | 46000 | 365 | 220 | 1160 | 60 | 11 | YB160L-6H | φ 1100 | φ 1170 | φ 1210 | φ 2000 | 500 | 845 | 1180 | 1000 | 12 | 20 × 19 | 365 | 345 | |
| | 43000 | 365 | 220 | | | | | | | | | | | | | | | 365 | 345 | |
| | 46000 | 365 | 220 | | | | | | | | | | | | | | | | | |
| CBZ-110A | 42000 | 550 | 460 | 970 | 50 | 15 | YB180L-6H | φ 1100 | φ 1170 | φ 1210 | φ 2000 | 500 | 845 | 1265 | 1000 | 12 | 20 × 19 | 570 | 545 | |
| | 48000 | 490 | 370 | | | | | | | | | | | | | | | 570 | 550 | |
| | 54000 | 450 | 300 | | | | | | | | | | | | | | | | | |
| CBZ-110B | 60000 | 380 | 200 | 1160 | 60 | 22 | YB200L ₂ -6H | φ 1100 | φ 1170 | φ 1210 | φ 2000 | 500 | 845 | 1320 | 1000 | 12 | 20 × 19 | 575 | 550 | |
| | 50000 | 790 | 660 | | | | | | | | | | | | | | | 575 | 550 | |
| | 57000 | 700 | 530 | | | | | | | | | | | | | | | | | |
| CBZ-110B | 65000 | 650 | 430 | 1160 | 60 | 11 | YB160L-6H | φ 1100 | φ 1170 | φ 1210 | φ 2000 | 500 | 845 | 1210 | 1000 | 12 | 20 × 19 | 475 | 350 | |
| | 72000 | 550 | 290 | | | | | | | | | | | | | | | 475 | 350 | |
| | 72000 | 550 | 290 | | | | | | | | | | | | | | | | | |
| CBZ-110C | 42000 | 310 | 220 | 970 | 50 | 7.5 | YB160M-6H | φ 1100 | φ 1170 | φ 1210 | φ 2000 | 500 | 845 | 1170 | 1000 | 12 | 20 × 19 | 351 | 326 | |
| | 48000 | 260 | 140 | | | | | | | | | | | | | | | 351 | 326 | |
| | 50000 | 450 | 320 | | | | | | | | | | | | | | | | | |
| CBZ-110C | 57000 | 370 | 200 | 1160 | 60 | 11 | YB160L-6H | φ 1100 | φ 1170 | φ 1210 | φ 2000 | 500 | 845 | 1210 | 1000 | 12 | 20 × 19 | 475 | 350 | |
| | 50000 | 450 | 320 | | | | | | | | | | | | | | | 475 | 350 | |
| | 57000 | 370 | 200 | | | | | | | | | | | | | | | | | |
| CBZ-110C | 42000 | 830 | 740 | 1460 | 50 | 18.5 | YB180M-4H | φ 1100 | φ 1170 | φ 1210 | φ 2000 | 500 | 845 | 1245 | 1000 | 12 | 20 × 19 | 530 | 500 | |
| | 48000 | 770 | 650 | | | | | | | | | | | | | | | 530 | 500 | |
| | 54000 | 710 | 560 | | | | | | | | | | | | | | | | | |
| CBZ-110C | 50000 | 1190 | 1060 | 1750 | 60 | 30 | YB200L-4H | φ 1100 | φ 1170 | φ 1210 | φ 2000 | 500 | 845 | 1320 | 1000 | 12 | 20 × 19 | 610 | 585 | |
| | 57000 | 1110 | 940 | | | | | | | | | | | | | | | 610 | 585 | |
| | 65000 | 1020 | 800 | | | | | | | | | | | | | | | | | |
| CBZ-120A | 60000 | 410 | 280 | 970 | 50 | 15 | YB180L-6H | φ 1200 | φ 1280 | φ 1330 | φ 2150 | 620 | 985 | 1435 | 1000 | 20 | 20 × 24 | 700 | 665 | |
| | 72000 | 340 | 150 | | | | | | | | | | | | | | | 705 | 670 | |
| | 72000 | 590 | 400 | | | | | | | | | | | | | | | | | |
| CBZ-120B | 86000 | 480 | 215 | 1160 | 60 | 22 | YB200L ₂ -6H | φ 1200 | φ 1280 | φ 1330 | φ 2150 | 620 | 985 | 1460 | 1000 | 20 | 20 × 24 | 705 | 670 | |
| | 60000 | 600 | 470 | | | | | | | | | | | | | | | 705 | 670 | |
| | 72000 | 560 | 370 | | | | | | | | | | | | | | | | | |
| CBZ-120B | 84000 | 480 | 230 | 970 | 50 | 18.5 | YB200L ₁ -6H | φ 1200 | φ 1280 | φ 1330 | φ 2150 | 620 | 985 | 1490 | 1000 | 20 | 20 × 24 | 705 | 670 | |
| | 72000 | 860 | 670 | | | | | | | | | | | | | | | 705 | 670 | |
| | 86000 | 800 | 530 | | | | | | | | | | | | | | | | | |
| CBZ-120B | 100000 | 690 | 330 | 1160 | 60 | 37 | YB250M-6H | φ 1200 | φ 1280 | φ 1330 | φ 2150 | 620 | 985 | 1545 | 1200 | 20 | 20 × 24 | 845 | 810 | |
| | 72000 | 860 | 670 | | | | | | | | | | | | | | | 845 | 810 | |
| | 86000 | 800 | 530 | | | | | | | | | | | | | | | | | |
| CBZ-140A | 100000 | 720 | 460 | 1160 | 60 | 37 | YB250M-6H | φ 1400 | φ 1480 | φ 1530 | φ 2450 | 750 | 1125 | 1460 | 1200 | 20 | 24 × 24 | 950 | 900 | |
| | 72000 | 660 | 560 | | | | | | | | | | | | | | | 1068 | 1018 | |
| | 84000 | 600 | 460 | | | | | | | | | | | | | | | | | |
| CBZ-140A | 96000 | 500 | 320 | 970 | 50 | 22 | YB200L ₂ -6H | φ 1400 | φ 1480 | φ 1530 | φ 2450 | 750 | 1125 | 1525 | 1200 | 20 | 24 × 24 | 1068 | 1018 | |
| | 86000 | 940 | 800 | | | | | | | | | | | | | | | 1068 | 1018 | |
| | 100000 | 860 | 660 | | | | | | | | | | | | | | | | | |
| CBZ-140B | 115000 | 720 | 460 | 1160 | 60 | 45 | YB280S-6H | φ 1400 | φ 1480 | φ 1530 | φ 2450 | 750 | 1125 | 1460 | 1200 | 20 | 24 × 24 | 950 | 900 | |
| | 96000 | 510 | 320 | | | | | | | | | | | | | | | 950 | 900 | |
| | 115000 | 490 | 225 | | | | | | | | | | | | | | | | | |
| CBZ-140B | 138000 | 700 | 320 | 1160 | 60 | 45 | YB280S-6H | φ 1400 | φ 1480 | φ 1530 | φ 2450 | 750 | 1125 | 1525 | 1200 | 20 | 24 × 24 | 1068 | 1018 | |
| | 138000 | 700 | 320 | | | | | | | | | | | | | | | 1068 | 1018 | |

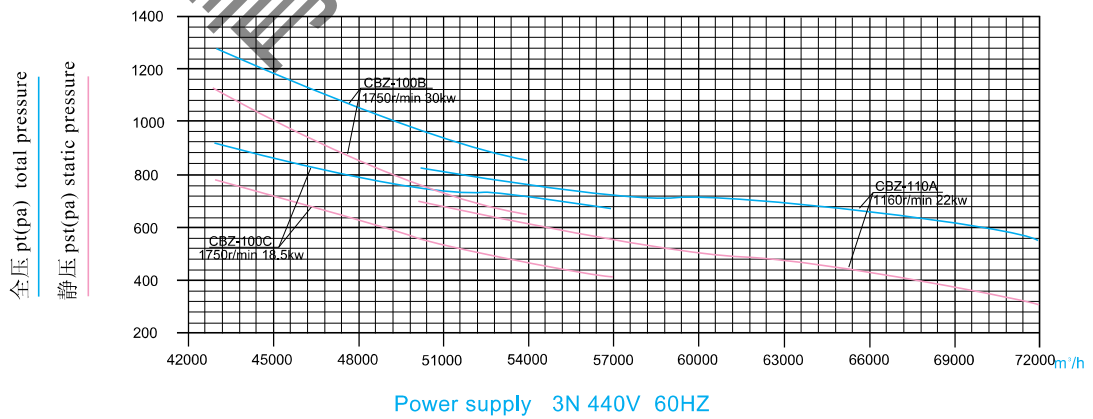
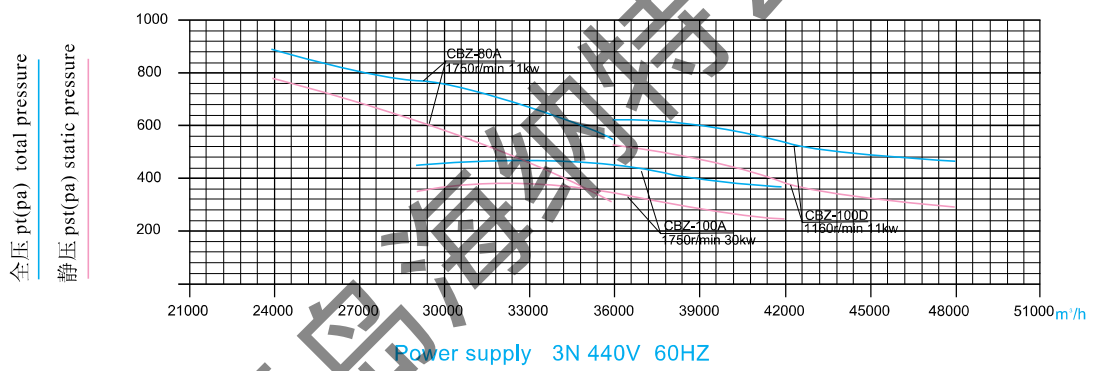
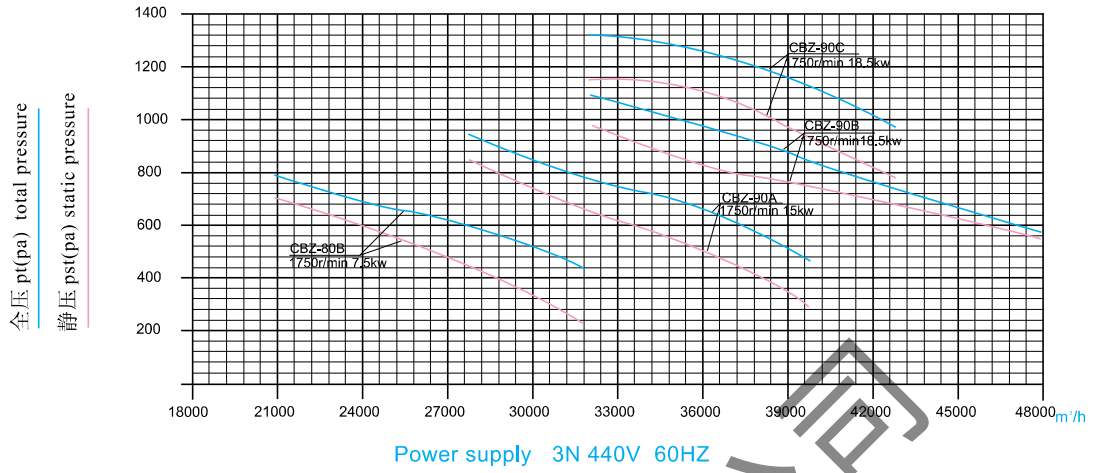
风机特性曲线图 Characteristic Curves 380V 50HZ



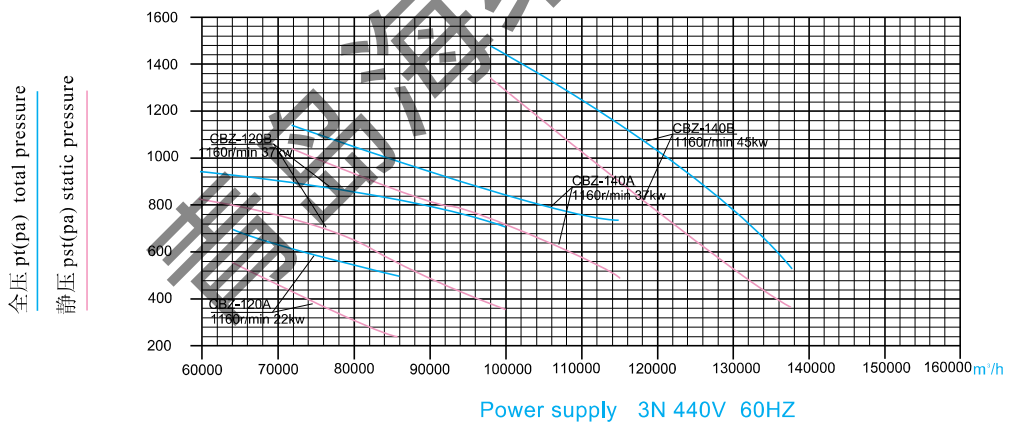
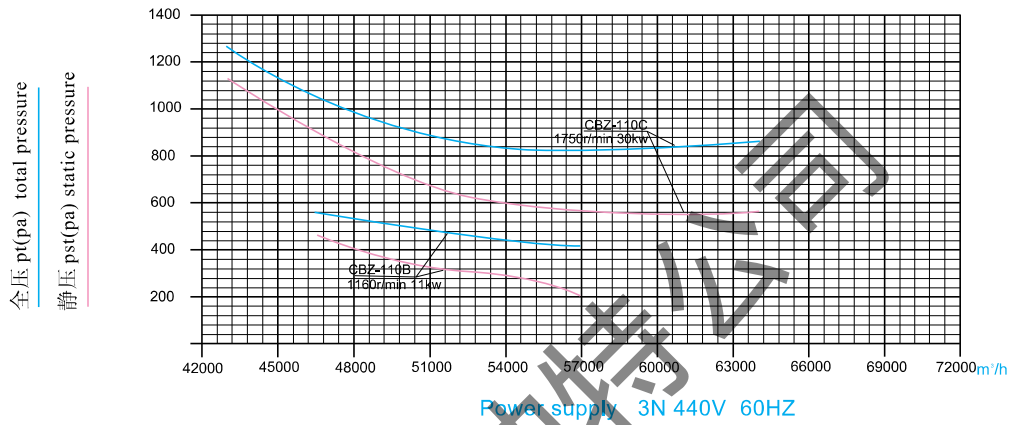


风机特性曲线图 Characteristic Curves
440V 60HZ





风机特性曲线图 Characteristic Curves
440V 60HZ



CBL系列舰船用防爆离心通风机 CBL Series Marine Or Navy Explosion-proof Centrifugal Fans

一、概述

CBL系列舰船用防爆离心通风机（以下简称“防爆通风机”）是按照 GB11799—2008《舰船用防爆离心通风机》、GB3836.1-2000《爆炸性环境用防爆电气设备》中的 1 通用要求、GB3836.2-2000《爆炸性环境用防爆电气设备、隔爆型电气设备“d”》的有关规定和中国船舶检验局现行《钢质海船入级和建造规范》的有关规定设计制造的。

本系列防爆通风机经中华人民共和国防爆检验单位检验合格，取得了防爆合格证，同时也经中华人民共和国船舶检验局检验合格，取得了产品船检证书。

二、特点

防爆，运转安全可靠、尺寸小、重量轻、噪声低、防腐蚀性能好、抗摇摆、振动和冲击性能强。

三、结构形式

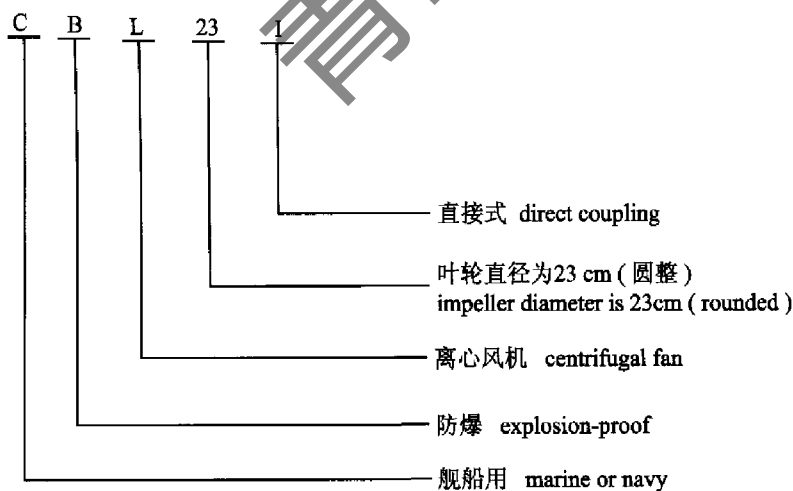
防爆通风机制成I型（直联式）和II型（隔舱式）两种结构。整机结构均为无火花型结构。

I型（直联式）防爆通风机制成防爆电动机直接传动式结构，叶轮直接装在电动机轴上，机壳固定在防爆电动机法兰上。

II型（隔舱式）为防爆通风机和电机分隔舱结构，由风机、传动机、弹性联轴器、电动机等组成；传动组由轴承体、轴承、轴、铜环、密封填料函等组成，能测温加油。一端直联防爆通风机，一端直联隔舱壁。

防爆通风机为卧式、单级、单吸入和气密式结构，也可制成立式结构。

四、型号说明



1.General

CBZ Series marine or navy explosion-proof axial fans are designed and manufactured according to GB11799-2008《marine explosion-proof centrifugal fans》, GB3836.1-2000《electrical apparatus for explosive atmospheres》, GB3836.2-2000《electrical apparatus for explosive atmospheres, and explosion-proof electrical equipment “d”》, 《rules for the steel sea Ship in class and building》.

This series fans have been examined and proved up to standard by the Explosion-proof Inspection Authority of the PRC and have got the certificate of inspection.They have also been examined by the register of shipping of RC and have got the certificat.

2、Features

Explosion-proof, safe and reliable in operation, small size, light weight, and low noise, well anticorrosive, strongly capable of resisging swing,vibration and hocking.

3.Structure

There are two structural types: type I (direct-coupling type) and type II (separate cabins type). The construction is non-sparking.

The structure of type I is a motor direct coupling one,the impeller is mounted directly on the motor shatt, and the casing is fixed on the flange of the explosion-proof motor.

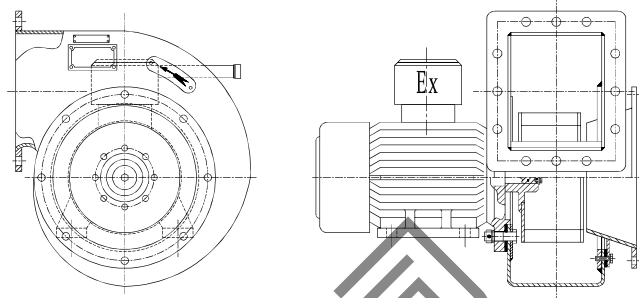
The type II is a separate structure, the fan and the motor are put into different cabins, with a driving device, flexible couplings, and the driving device consists of bearings, bearing-box, shaft, brass rings, stuffing box. It can be oiled and measured the temprature.One side is fixed on the fan,and the other side will be mounted on the bulkhead.

The fan may be made into a horizontal or vertical, single-stage, single-drawing and airtight structure by the customer's requirements.

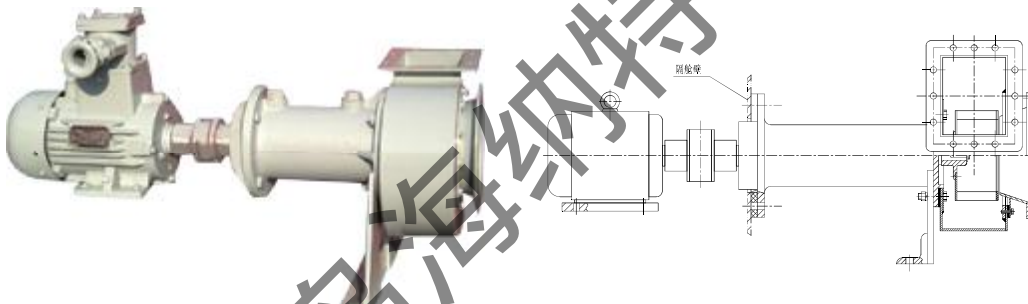
4.Model explanation

CBL系列舰船用防爆离心通风机

CBL Series Marine Or Navy Explosion-proof Centrifugal Fans

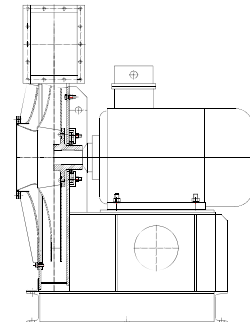
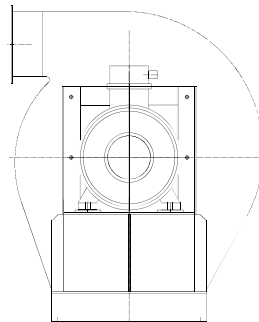


I型



网眼罩

II型



船用高压防爆离心通风机

主要性能参数 Main Property Parameters

| 型号 type | 风量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 motor | | | | |
|------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|------------------|----------------|----------------|------------|-----------------------|
| | | | | | 频率 freq Hz | 功率 power Kw | | 型号 type | |
| | | | | | | I型 type I | II型 type II | I型 type I | II型 type II |
| CBL-15 | 500 | 550 | 490 | 2920 | 50 | 0.75 | 1.5 | YB801-2H | YB90S-2H Y90S-2H |
| | 800 | 540 | 390 | 3500 | | | | | |
| | 600 | 780 | 590 | | 60 | | | | |
| | 960 | 645 | 470 | | | | | | |
| CBL-16 | 800 | 600 | 490 | 2920 | 50 | 0.75 | 1.5 | YB801-2H | YB90S-2H Y90S-2H |
| | 1200 | 590 | 340 | 3500 | | | | | |
| | 960 | 860 | 705 | | 60 | | | | |
| | 1400 | 840 | 490 | | | | | | |
| CBL-17 | 800 | 700 | 590 | 2920 | 50 | 0.75 | 1.5 | YB801-2H | YB90S-2H Y90S-2H |
| | 1200 | 685 | 440 | 3500 | | | | | |
| | 960 | 1000 | 840 | | 60 | | | | |
| | 1400 | 980 | 635 | | | | | | |
| CBL-18 | 1200 | 810 | 635 | 2920 | 50 | 1.1 | 1.5 | YB802-2H | YB90S-2H Y90S-2H |
| | 1500 | 810 | 540 | 3500 | | | | | |
| | 1400 | 1165 | 910 | | 60 | | | | |
| | 1800 | 1165 | 775 | | | | | | |
| CBL-19 | 1500 | 900 | 735 | 2920 | 50 | 1.5 | 2.2 | YB90S-2H | YB90L-2H Y90L-2H |
| | 2000 | 880 | 590 | 3500 | | | | | |
| | 1800 | 1295 | 1060 | | 60 | | | | |
| | 2400 | 1265 | 840 | | | | | | |
| CBL-20 | 800 | 245 | 195 | 1460 | 50 | 0.75 | 1.1 | YB802-4H | YB90S-4H Y90S-4H |
| | 960 | 350 | 285 | 1750 | | | | | |
| CBL-20 | 1500 | 1050 | 880 | 2920 | 50 | 2.2 | 3 | YB90L-2H | YB100L-2H Y100L-2H |
| | 2000 | 1030 | 735 | 3500 | | | | | |
| | 1800 | 1510 | 1265 | | 60 | | | | |
| | 2400 | 1480 | 1060 | | | | | | |
| CBL-21 | 2000 | 1175 | 930 | 2920 | 50 | 2.2 | 3 | YB90L-2H | YB100L-2H Y100L-2H |
| | 2500 | 1165 | 785 | 3500 | | | | | |
| | 2400 | 1685 | 1330 | | 60 | | | | |
| | 3000 | 1675 | 1125 | | | | | | |
| CBL-22 | 2500 | 1275 | 980 | 2920 | 50 | 2.2 | 4 | YB90L-2H | YB112M-2H Y112M-2H |
| | 3000 | 1255 | 830 | 3500 | | | | | |
| | 3000 | 1830 | 1410 | | 60 | | | | |
| | 3600 | 1805 | 1195 | | | | | | |
| CBL-23 | 2500 | 1400 | 1175 | 2920 | 50 | 2.2 | 4 | YB90L-2H | YB112M-2H Y112M-2H |
| | 3000 | 1410 | 1080 | 3500 | | | | | |
| | 3000 | 2010 | 1685 | | 60 | | | | |
| | 3600 | 2030 | 1550 | | | | | | |
| CBL-24 | 1500 | 410 | 340 | 1460 | 50 | 0.75 | 1.1 | YB802-4H | YB90S-4H Y90S-4H |
| | 2000 | 360 | 245 | 1750 | | | | | |
| | 1800 | 590 | 490 | | 60 | | | | |
| | 2400 | 520 | 350 | | | | | | |
| CBL-24 | 3000 | 1635 | 1370 | 2920 | 50 | 3 | 4 | YB100L-2H | YB112M-2H Y112M-2H |
| | 4000 | 1560 | 1080 | 3500 | | | | | |
| | 3600 | 2350 | 1970 | | 60 | | | | |
| | 4800 | 2235 | 1550 | | | | | | |

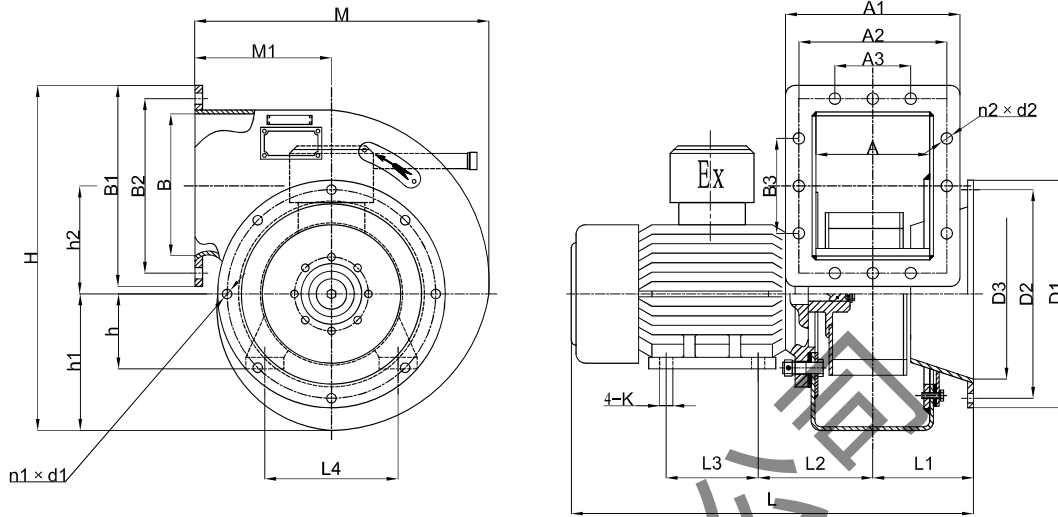
CBL系列主要性能参数 CBL Main Property Parameters

| 型号 type | 风量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 motor | | | | |
|------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|------------------|----------------|----------------|-------------------------|---|
| | | | | | 频率 freq Hz | 功率 power Kw | | 型号 type | |
| | | | | | | I型 type I | II型 type II | I型 type I | II型 type II |
| CBL-25 | 2000 | 430 | 340 | 1460 | 50 | 1.1 | 1.1 | YB90S-4H | YB90S-4H Y90S-4H |
| | 2500 | 430 | 295 | | | | | | |
| | 2400 | 615 | 490 | 1750 | 60 | 1.1 | 1.1 | YB90S-4H | YB90S-4H Y90S-4H |
| 3000 | 615 | 420 | | | | | | | |
| CBL-25 | 4000 | 1910 | 1570 | 2920 | 50 | 4 | 4 | YB112M-2H | YB112M-2H/Y112M-2H |
| | 4800 | 2745 | 2255 | 3500 | 60 | 7.5 | 7.5 | YB132S ₂ -2H | YB132S ₂ -2H/Y132S ₂ -2H |
| CBL-27 | 2500 | 510 | 390 | 1460 | 50 | 1.5 | 1.5 | YB90L-4H | YB90L-4H Y90L-4H |
| | 3000 | 510 | 340 | | | | | | |
| | 3000 | 735 | 560 | 1750 | 60 | 1.5 | 1.5 | YB90L-4H | YB90L-4H Y90L-4H |
| 3600 | 735 | 490 | | | | | | | |
| CBL-29 | 2500 | 625 | 540 | 1460 | 50 | 1.5 | 2.2 | YB90L-4H | YB100L ₁ -4H Y100L ₁ -4H |
| | 3000 | 570 | 440 | | | | | | |
| | 3000 | 900 | 775 | 1750 | 60 | 2.2 | 2.2 | YB100L ₁ -4H | YB100L ₁ -4H Y100L ₁ -4H |
| 3600 | 810 | 635 | | | | | | | |
| CBL-30 | 3000 | 645 | 540 | 1460 | 50 | 1.5 | 2.2 | YB90L-4H | YB100L ₁ -4H Y100L ₁ -4H |
| | 4000 | 635 | 440 | | | | | | |
| | 3600 | 930 | 775 | 1750 | 60 | 2.2 | 2.2 | YB100L ₁ -4H | YB100L ₁ -4H Y100L ₁ -4H |
| 4800 | 910 | 635 | | | | | | | |
| CBL-32 | 4000 | 745 | 590 | 1460 | 50 | 2.2 | 3 | YB100L ₁ -4H | YB100L ₂ -4H Y100L ₂ -4H |
| | 5000 | 735 | 490 | | | | | | |
| | 4800 | 1070 | 840 | 1750 | 60 | 3 | 3 | YB100L ₂ -4H | YB100L ₂ -4H Y100L ₂ -4H |
| 6000 | 1060 | 705 | | | | | | | |
| CBL-33 | 4000 | 820 | 685 | 1460 | 50 | 2.2 | 3 | YB100L ₁ -4H | YB100L ₂ -4H Y100L ₂ -4H |
| | 5000 | 795 | 590 | | | | | | |
| | 4800 | 1185 | 990 | 1750 | 60 | 3 | 3 | YB100L ₂ -4H | YB100L ₂ -4H Y100L ₂ -4H |
| 6000 | 1135 | 840 | | | | | | | |
| CBL-34 | 5000 | 860 | 685 | 1460 | 50 | 3 | 4 | YB100L ₂ -4H | YB112M-4H Y112M-4H |
| | 6000 | 840 | 590 | | | | | | |
| | 6000 | 1235 | 990 | 1750 | 60 | 4 | 4 | YB112M-4H | YB112M-4H Y112M-4H |
| 7200 | 1215 | 840 | | | | | | | |
| CBL-36 | 5000 | 970 | 830 | 1460 | 50 | 4 | 4 | YB112M-4H | YB112M-4H Y112M-4H |
| | 6000 | 930 | 735 | | | | | | |
| | 7200 | 870 | 590 | | | | | | |
| | 6000 | 1390 | 1195 | 1750 | 60 | 5.5 | 5.5 | YB132S-4H | YB132S-4H Y132S-4H |
| 7200 | 1330 | 1060 | | | | | | | |
| 8600 | 1255 | 840 | | | | | | | |
| CBL-37 | 6000 | 1010 | 830 | 1460 | 50 | 4 | 4 | YB112M-4H | YB112M-4H Y112M-4H |
| | 7200 | 990 | 735 | | | | | | |
| | 7200 | 1450 | 1195 | 1750 | 60 | 5.5 | 5.5 | YB132S-4H | YB132S-4H Y132S-4H |
| 8600 | 1420 | 1060 | | | | | | | |
| CBL-39 | 6000 | 490 | 340 | 970 | 50 | 2.2 | 2.2 | YB112M-6H | YB112M-6H Y112M-6H |
| | 7200 | 705 | 490 | | | | | | |
| CBL-39 | 7200 | 1185 | 980 | 1460 | 50 | 5.5 | 7.5 | YB132S-4H | YB132M-4H Y132M-4H |
| | 9000 | 1090 | 785 | | | | | | |
| | 8600 | 1705 | 1410 | 1750 | 60 | 7.5 | 7.5 | YB132M-4H | YB132M-4H Y132M-4H |
| 10800 | 1560 | 1125 | | | | | | | |
| CBL-40 | 5000 | 1215 | 1080 | 1460 | 50 | 4 | 4 | YB112M-4H | YB112M-4H Y112M-4H |
| | 6000 | 1175 | 980 | | | | | | |
| | 6000 | 1745 | 1550 | 1750 | 60 | 7.5 | 7.5 | YB132M-4H | YB132M-4H Y132M-4H |
| 7200 | 1685 | 1410 | | | | | | | |
| CBL-42 | 6000 | 590 | 490 | 970 | 50 | 2.2 | 3 | YB112M-6H | YB132S-6H Y132S-6H |
| | 7200 | 540 | 390 | | | | | | |
| | 7200 | 840 | 705 | 1160 | 60 | 3 | 3 | YB132S-6H | YB132S-6H Y132S-6H |
| 8600 | 775 | 560 | | | | | | | |

CBL系列主要性能参数 CBL Main Property Parameters

| 型号 type | 风量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 Speed r/min | 电动机 motor | | | | |
|------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|------------------|-------------------------|----------------|-------------------------|-------------------------|
| | | | | | 频率 freq Hz | 功率 power Kw | | 型号 type | |
| | | | | | | I型 type I | II型 type II | I型 type I | II型 type II |
| CBL-42 | 9000 | 1305 | 1080 | 1460 | 50 | 7.5 | 7.5 | YB132M-4H | YB132M-4H |
| | 12000 | 1285 | 880 | | | | | | Y132M-4H |
| CBL-44 | 10800 | 1870 | 1550 | 1750 | 60 | 11 | 11 | YB160M-4H | YB160M-4H |
| | 14000 | 1840 | 1265 | | | | | | Y160M-4H |
| | 7200 | 635 | 490 | 970 | 50 | 3 | 4 | YB132S-6H | YB132M ₁ -6H |
| 9000 | 600 | 390 | 1160 | 60 | 4 | YB132M ₁ -6H | | Y132M ₁ -6H | |
| CBL-44 | 8600 | 910 | 705 | 1460 | 50 | 11 | 11 | YB160M-4H | YB160M-4H |
| | 10800 | 860 | 560 | | | | | | Y160M-4H |
| | 12000 | 1480 | 1275 | 1750 | 60 | 15 | 15 | YB160L-4H | YB160L-4H |
| CBL-46 | 9000 | 675 | 490 | 970 | 50 | 4 | 4 | YB132M ₁ -6H | YB132M ₁ -6H |
| | 10800 | 970 | 340 | | | | | | 1160 |
| CBL-46 | 12000 | 1610 | 1275 | 1460 | 50 | 15 | 15 | YB160L-4H | YB160L-4H |
| | 15000 | 1500 | 980 | | | | | | Y160L-4H |
| | 14000 | 2310 | 1830 | 1750 | 60 | 18.5 | 18.5 | YB180M-4H | YB180M-4H |
| CBL-48 | 18000 | 2155 | 1410 | 970 | 50 | 4 | 4 | YB132M ₁ -6H | YB132M ₁ -6H |
| | 9000 | 735 | 590 | | | | | | 1160 |
| | 12000 | 655 | 390 | 1460 | 50 | 15 | 15 | YB160L-4H | YB160L-4H |
| CBL-48 | 10800 | 1060 | 840 | 1160 | 60 | 5.5 | 5.5 | YB132M ₂ -6H | YB132M ₂ -6H |
| | 14000 | 940 | 560 | | | | | | 1460 |
| | 15000 | 1735 | 1470 | 1750 | 60 | 22 | 22 | YB180L-4H | YB180L-4H |
| CBL-50 | 12000 | 775 | 540 | 970 | 50 | 5.5 | 5.5 | YB132M ₂ -6H | YB132M ₂ -6H |
| | 14000 | 1110 | 775 | | | | | | 1160 |
| | 15000 | 1695 | 1275 | 1460 | 50 | 18.5 | 18.5 | YB180M-4H | YB180M-4H |
| CBL-50 | 18000 | 1795 | 1275 | 1460 | 50 | 18.5 | 18.5 | YB180M-4H | YB180M-4H |
| | 18000 | 2635 | 2120 | | | | | | 1750 |
| | 21000 | 2580 | 1830 | 1750 | 60 | 22 | 22 | YB180L-4H | Y180L-4H |
| CBL-52 | 12000 | 930 | 735 | 970 | 50 | 7.5 | 7.5 | YB160M-6H | YB160M-6H |
| | 15000 | 850 | 540 | | | | | | 1160 |
| | 14000 | 1330 | 1060 | 1160 | 60 | 11 | 11 | YB160L-6H | Y160L-6H |
| CBL-54 | 15000 | 940 | 685 | 970 | 50 | 7.5 | 7.5 | YB160M-6H | YB160M-6H |
| | 18000 | 1350 | 990 | | | | | | 1160 |
| CBL-56 | 15000 | 1060 | 830 | 970 | 50 | 11 | 11 | YB160L-6H | YB160L-6H |
| | 18000 | 1010 | 685 | | | | | | 1160 |
| | 18000 | 1520 | 1195 | 1160 | 60 | 15 | 15 | YB180L-6H | Y180L-6H |
| CBL-58 | 21000 | 1440 | 980 | 970 | 50 | 15 | 15 | YB180L-6H | YB180L-6H |
| | 18000 | 1155 | 880 | | | | | | 1160 |
| | 21000 | 1655 | 1265 | 1160 | 60 | 18.5 | 18.5 | YB200L ₁ -6H | Y200L ₁ -6H |

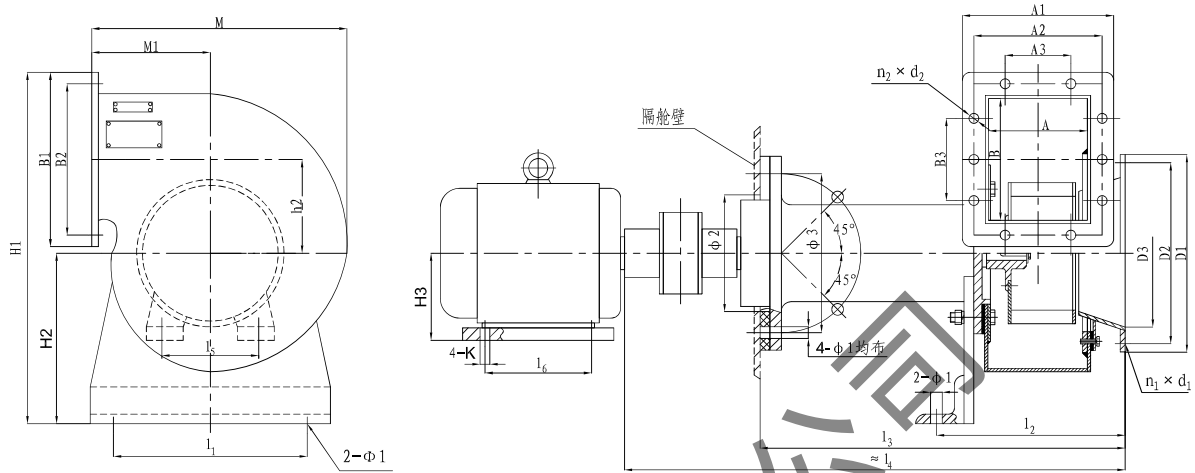
CBL系列外形安装尺寸 CBL Outline Dimensions



I 型 (Type I)

| 型号 type | 电动机型号 type of the motor | | A | A1 | A2 | A3 | B | B1 | B2 | B3 | D1 | D2 | D3 | n1 × d1 | n2 × d2 | H | h | h1 | h2 |
|------------|----------------------------|-----------------------|-----|-----|-----|----|-----|-----|-----|-----|-------|-------|-------|----------|-----------|-----|-----|-------|-------|
| | I 型 type I | II 型 type II | | | | | | | | | | | | | | | | | |
| CBL-15 | YB801-2H | YB90S-2H Y90S-2H | 105 | 159 | 135 | 60 | 135 | 188 | 165 | 80 | φ 209 | φ 185 | φ 156 | 8 × φ 10 | 8 × φ 10 | 314 | 80 | 124.5 | 95.5 |
| CBL-16 | YB801-2H | YB90S-2H Y90S-2H | 110 | 165 | 140 | 70 | 150 | 203 | 180 | 90 | φ 223 | φ 200 | φ 170 | 8 × φ 10 | 8 × φ 10 | 338 | 80 | 132.5 | 104 |
| CBL-17 | YB801-2H | YB90S-2H Y90S-2H | 110 | 165 | 140 | 70 | 150 | 203 | 180 | 90 | φ 233 | φ 210 | φ 180 | 8 × φ 10 | 8 × φ 10 | 338 | 80 | 132.5 | 104 |
| CBL-18 | YB802-2H | YB90S-2H Y90S-2H | 125 | 180 | 155 | 80 | 155 | 208 | 185 | 100 | φ 243 | φ 220 | φ 190 | 8 × φ 10 | 8 × φ 10 | 358 | 80 | 142.5 | 111.5 |
| CBL-19 | YB90S-2H | YB90L-2H Y90L-2H | 140 | 195 | 175 | 80 | 180 | 233 | 215 | 120 | φ 253 | φ 235 | φ 200 | 8 × φ 10 | 10 × φ 10 | 398 | 90 | 158.5 | 123 |
| CBL-20 | YB802-4H | YB90S-4H Y90S-4H | 140 | 195 | 175 | 80 | 180 | 233 | 215 | 120 | φ 263 | φ 245 | φ 210 | 8 × φ 10 | 10 × φ 10 | 398 | 80 | 158.5 | 123 |
| | YB90L-2H | YB100L-2H Y100L-2H | | | | | | | | | | | | | | | 90 | | |
| CBL-21 | YB90L-2H | YB100L-2H Y100L-2H | 145 | 210 | 180 | 90 | 190 | 253 | 225 | 140 | φ 283 | φ 255 | φ 220 | 8 × φ 10 | 10 × φ 10 | 437 | 90 | 171.5 | 139 |
| CBL-22 | YB90L-2H | YB112M-2H Y112M-2H | 150 | 215 | 190 | 90 | 210 | 273 | 245 | 160 | φ 293 | φ 265 | φ 230 | 8 × φ 10 | 10 × φ 10 | 459 | 90 | 180.5 | 142 |
| | YB100L-2H | | | | | | | | | | | | | | | | 100 | | |

CBL系列外形安装尺寸 CBL Outline Dimensions



II 型 (Type II)

| M | M ₁ | L | L ₁ | L ₂ | L ₃ | L ₄ | K | | H ₁ | H ₂ | H ₃ | φ 1 | φ 2 | φ 3 | l ₁ | l ₂ | l ₃ | l ₄ | l ₅ | l ₆ | 重量 (≈kg) weight | |
|-------|----------------|-------|----------------|----------------|----------------|----------------|--------------|----------------|----------------|----------------|----------------|------|-------|-------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|-----------------|
| | | | | | | | I型 type I | II型 type II | | | | | | | | | | | | | I 型 type I | II 型 type II |
| 270 | 125.5 | 432 | 87 | 105.5 | 100 | 125 | φ 10 | φ 10 | 439.5 | 250 | 90 | φ 12 | φ 140 | φ 165 | 250 | 185.5 | 387 | 542 | 140 | 100 | 40 | 61 |
| 290.5 | 134 | 440.5 | 92 | 108.5 | 100 | 125 | φ 10 | φ 10 | 455.5 | 250 | 90 | φ 12 | φ 140 | φ 165 | 250 | 193.5 | 395 | 550 | 140 | 100 | 41 | 62 |
| 290 | 134 | 440.5 | 92 | 108.5 | 100 | 125 | φ 10 | φ 10 | 455.5 | 250 | 90 | φ 12 | φ 140 | φ 165 | 250 | 193.5 | 395 | 550 | 140 | 100 | 42 | 63 |
| 310 | 143.5 | 456 | 100 | 116 | 100 | 125 | φ 10 | φ 10 | 465.5 | 250 | 90 | φ 12 | φ 140 | φ 165 | 250 | 209 | 410.5 | 565.5 | 140 | 100 | 43 | 64 |
| 340.5 | 154 | 492 | 108.5 | 129.5 | 100 | 140 | φ 10 | φ 10 | 489.5 | 250 | 90 | φ 12 | φ 140 | φ 165 | 250 | 225 | 426.5 | 581.5 | 140 | 100 | 44 | 71 |
| 340.5 | 154 | 472 | 108.5 | 123.5 | 100 | 125 | φ 10 | φ 10 | 489.5 | 250 | 90 | φ 12 | φ 140 | φ 165 | 250 | 225 | 426.5 | 581.5 | 140 | 100 | 45 | 67 |
| | | 517 | | 129.5 | 125 | 140 | φ 10 | φ 10 | 589.5 | 350 | 100 | φ 15 | φ 190 | φ 215 | 300 | | 454 | 631.5 | 160 | 140 | 53 | 80 |
| 370 | 166.5 | 526 | 115 | 132 | 125 | 140 | φ 10 | φ 12 | 615.5 | 350 | 100 | φ 15 | φ 190 | φ 215 | 300 | 234 | 465 | 640.5 | 160 | 140 | 58 | 79 |
| 395 | 180.5 | 528.5 | 115 | 134.5 | 125 | 140 | φ 10 | φ 12 | 628.5 | 350 | 112 | φ 15 | φ 190 | φ 215 | 300 | 236.5 | 467.5 | 643 | 190 | 140 | 60 | 86 |
| | | 563.5 | | 141.5 | 140 | 160 | φ 12 | | | | | | | | | | | | | | 63 | |

CBL系列外形安装尺寸
CBL Outline Dimensions

| 型号 type | 电动机型号 type of the motor | | A | A ₁ | A ₂ | A ₃ | B | B ₁ | B ₂ | B ₃ | D ₁ | D ₂ | D ₃ | n ₁ ×d ₁ | n ₂ ×d ₂ | H | h | h ₁ | h ₂ |
|------------|----------------------------|---|-----|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|--------------------------------|--------------------------------|-------|-----|----------------|----------------|
| | I型 type I | II型 type II | | | | | | | | | | | | | | | | | |
| CBL-23 | YB90L-2-H | YB112M-2H Y112M-2H | 165 | 230 | 200 | 100 | 215 | 278 | 250 | 160 | φ303 | φ275 | φ240 | 8×φ10 | 10×φ10 | 469 | 90 | 185.5 | 144.5 |
| | YB112M-2H | | | | | | | | | | | | | | | | 112 | | |
| CBL-24 | YB802-4H | YB90S-4H Y90S-4H | 175 | 243 | 210 | 100 | 225 | 291 | 260 | 170 | φ314 | φ285 | φ250 | 8×φ10 | 10×φ12 | 498 | 80 | 196 | 156.5 |
| | YB100L-2H | YB112M-2H Y112M-2H | | | | | | | | | | | | | | | 100 | | |
| | YB132S ₁ -2H | YB132S ₁ -2H Y132S ₁ -2H | | | | | | | | | | | | | | | 132 | | |
| CBL-25 | YB90S-4H | YB90S-4H Y90S-4H | 185 | 263 | 220 | 110 | 250 | 325 | 285 | 190 | φ334 | φ295 | φ260 | 8×φ12 | 10×φ12 | 521 | 90 | 203 | 155 |
| | YB112M-2H | YB112M-2H Y112M-2H | | | | | | | | | | | | | | | 112 | | |
| | YB132S ₂ -2H | YB132S ₂ -2H Y132S ₂ -2H | | | | | | | | | | | | | | | 132 | | |
| CBL-27 | YB90L-4H | YB90L-4H Y90L-4H | 200 | 275 | 235 | 120 | 250 | 325 | 285 | 190 | φ353 | φ315 | φ280 | 8×φ12 | 10×φ12 | 558 | 90 | 221.5 | 175 |
| CBL-29 | YB90L-4H | YB100L ₁ -4H Y100L ₁ -4H | 210 | 286 | 255 | 150 | 270 | 344 | 310 | 200 | φ374 | φ340 | φ300 | 8×φ12 | 12×φ12 | 587 | 90 | 234 | 181 |
| CBL-30 | YB90L-4H | YB100L ₁ -4H Y100L ₁ -4H | 220 | 296 | 265 | 160 | 280 | 354 | 320 | 210 | φ384 | φ350 | φ310 | 8×φ12 | 12×φ12 | 607 | 90 | 242 | 188 |
| | YB100L ₁ -4H | | | | | | | | | | | | | | | | 100 | | |
| CBL-32 | YB100L ₁ -4H | YB100L ₂ -4H Y100L ₂ -4H | 230 | 306 | 275 | 170 | 300 | 374 | 340 | 210 | φ404 | φ370 | φ330 | 8×φ12 | 12×φ12 | 649 | 100 | 259 | 203 |
| | YB100L ₂ -4H | | | | | | | | | | | | | | | | 100 | | |
| CBL-33 | YB100L ₁ -4H | YB100L ₂ -4H Y100L ₂ -4H | 240 | 316 | 285 | 170 | 310 | 384 | 350 | 210 | φ414 | φ380 | φ340 | 8×φ12 | 12×φ12 | 663 | 100 | 266 | 205 |
| | YB100L ₂ -4H | | | | | | | | | | | | | | | | 100 | | |
| CBL-34 | YB100L ₂ -4H | YB112M-4H Y112M-4H | 250 | 326 | 295 | 180 | 325 | 399 | 365 | 220 | φ424 | φ390 | φ350 | 8×φ12 | 12×φ12 | 695 | 100 | 278 | 217.5 |
| | YB112M-4H | | | | | | | | | | | | | | | | 112 | | |
| CBL-36 | YB112M-4H | YB112M-4H Y112M-4H | 270 | 346 | 315 | 210 | 340 | 414 | 380 | 260 | φ444 | φ410 | φ370 | 12×φ12 | 12×φ12 | 727 | 112 | 292 | 228 |
| | YB132S-4H | YB132S-4H Y132S-4H | | | | | | | | | | | | | | | 132 | | |
| CBL-37 | YB112M-4H | YB112M-4H Y112M-4H | 270 | 346 | 315 | 210 | 360 | 434 | 400 | 270 | φ454 | φ420 | φ380 | 12×φ12 | 12×φ12 | 751 | 112 | 300 | 234 |
| | YB132S-4H | YB132S-4H Y132S-4H | | | | | | | | | | | | | | | 132 | | |
| CBL-39 | YB112M-6H | YB112M-6H Y112M-6H | 290 | 366 | 335 | 230 | 370 | 444 | 410 | 280 | φ474 | φ440 | φ400 | 12×φ12 | 12×φ12 | 784.5 | 112 | 312.5 | 250 |
| | YB132S-4H | YB132M-4H Y132M-4H | | | | | | | | | | | | | | | 132 | | |
| | YB132M-4H | YB132M-4H Y132M-4H | | | | | | | | | | | | | | | 132 | | |
| CBL-40 | YB112M-4H | YB112M-4H Y112M-4H | 270 | 346 | 315 | 210 | 340 | 414 | 380 | 260 | φ474 | φ440 | φ400 | 12×φ12 | 12×φ12 | 769 | 112 | 313 | 249 |
| | YB132M-4H | YB132M-4H Y132M-4H | | | | | | | | | | | | | | | 132 | | |

CBL系列外形安装尺寸 CBL Outline Dimensions

| M | M1 | L | L1 | L2 | L3 | L4 | K | | H1 | H2 | H3 | φ 1 | φ 2 | φ 3 | l ₁ | l ₂ | l ₃ | l ₄ | l ₅ | l ₆ | 重量 (≈kg) weight | |
|-------|-------|-------|-----|-------|-----|------|--------------|----------------|-------|-----|------|-------|-------|-------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|-----------------|
| | | | | | | | I型 type I | II型 type II | | | | | | | | | | | | | I 型 type I | II 型 type II |
| 410 | 190.5 | 546 | 125 | 142 | 125 | 140 | φ 10 | φ 12 | 633.5 | 350 | 112 | φ 15 | φ 190 | φ 215 | 300 | 254 | 485 | 660.5 | 190 | 140 | 62 | 88 |
| | | 611 | | 156 | 140 | 190 | φ 12 | | | | | | | | | | | | | | 65 | |
| 429 | 195 | 515.5 | 133 | 142.5 | 100 | 125 | φ 10 | φ 10 | 552 | 250 | 90 | φ 12 | φ 140 | φ 165 | 250 | 267 | 468.5 | 623.5 | 140 | 100 | 48 | 75 |
| | | 595.5 | | 155.5 | 160 | φ 12 | φ 12 | 652 | 350 | 112 | φ 15 | φ 190 | φ 215 | 300 | 271 | | 498 | 673.5 | 190 | 140 | 69 | 102 |
| | | 655.5 | | 181.5 | 216 | | | 732 | 430 | 132 | | | | | | φ 240 | φ 265 | 400 | 538 | 756 | 216 | 104 |
| 448 | 205 | 545.5 | 138 | 153.5 | 100 | 140 | φ 10 | φ 10 | 567.5 | 250 | 90 | φ 12 | φ 140 | φ 165 | 250 | 277 | 478.5 | 633.5 | 140 | 100 | 59 | 79 |
| | | 635.5 | | 167.5 | 190 | φ 12 | φ 12 | 667.5 | 350 | 112 | φ 15 | φ 190 | φ 215 | 300 | 281 | | 508 | 683.5 | 190 | 140 | 79 | 104 |
| | | 765.5 | | 186.5 | 216 | | | 747.5 | 430 | 132 | | | | | | φ 240 | φ 265 | 400 | 548 | 766 | 216 | 110 |
| 481.5 | 220 | 592 | 153 | 160 | 125 | 140 | φ 10 | φ 10 | 587.5 | 250 | 90 | φ 12 | φ 140 | φ 165 | 250 | 299.5 | 501 | 656 | 140 | 125 | 65 | 85 |
| 510 | 234 | 599 | 155 | 165 | 125 | 140 | φ 10 | φ 15 | 703 | 350 | 100 | φ 12 | φ 190 | φ 215 | 300 | 311 | 536 | 663.5 | 160 | 140 | 68 | 88 |
| 535 | 249 | 609 | 160 | 170 | 125 | 140 | φ 10 | φ 12 | 715 | 350 | 100 | φ 15 | φ 190 | φ 215 | 300 | 317 | 548 | 723.5 | 160 | 140 | 70 | 101 |
| | | 644 | | 177 | 140 | 160 | φ 12 | | | | | | | | | | | | | | 78 | |
| 565 | 258 | 654 | 165 | 182 | 140 | 160 | φ 12 | φ 12 | 740 | 350 | 100 | φ 15 | φ 190 | φ 215 | 300 | 327 | 558 | 733.5 | 160 | 140 | 81 | 106 |
| | | | | | | | | | | | | | | | | | | | | | 83 | |
| 580 | 266 | 664 | 170 | 187 | 140 | 160 | φ 12 | φ 12 | 747 | 350 | 100 | φ 15 | φ 190 | φ 215 | 300 | 337 | 568 | 743.5 | 160 | 140 | 84 | 109 |
| | | | | | | | | | | | | | | | | | | | | | 86 | |
| 610 | 280 | 674 | 175 | 192 | 140 | 160 | φ 12 | φ 12 | 767 | 350 | 112 | φ 15 | φ 190 | φ 215 | 300 | 347 | 578 | 753.5 | 190 | 140 | 87 | 123 |
| | | 704 | | 199 | 190 | 100 | | | | | | | | | | | | | | | | |
| 635 | 289 | 724 | 185 | 209 | 140 | 190 | φ 12 | φ 12 | 785 | 350 | 112 | φ 15 | φ 190 | φ 215 | 300 | 367 | 598 | 773.5 | 190 | 140 | 83 | 106 |
| | | 754 | | 228 | 140 | 216 | φ 12 | φ 12 | 865 | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 371 | 638 | 856 | 216 | 140 | 105 | 138 |
| 650 | 292 | 724 | 185 | 209 | 140 | 190 | φ 12 | φ 12 | 801 | 350 | 112 | φ 15 | φ 190 | φ 215 | 300 | 367 | 598 | 773.5 | 190 | 140 | 108 | 131 |
| | | 754 | | 228 | 140 | 216 | φ 12 | φ 12 | 881 | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 371 | 638 | 856 | 216 | 140 | 130 | 163 |
| 674.5 | 300 | 744 | 195 | 219 | 140 | 190 | φ 12 | φ 12 | 822 | 350 | 112 | φ 15 | φ 190 | φ 215 | 300 | 387 | 618 | 793.5 | 190 | 140 | 111 | 134 |
| | | 744 | | 238 | 140 | 216 | φ 12 | φ 12 | 902 | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 391 | 658 | 876 | 216 | 140 | 138 | 186 |
| | | 814 | | 238 | 178 | 216 | φ 12 | φ 12 | 902 | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 391 | 658 | 876 | 216 | 140 | 153 | 186 |
| 680 | 313 | 724 | 185 | 209 | 140 | 190 | φ 12 | φ 12 | 806 | 350 | 112 | φ 15 | φ 190 | φ 215 | 300 | 367 | 598 | 773.5 | 190 | 140 | 112 | 135 |
| | | 795 | | 229 | 178 | 216 | φ 12 | φ 12 | 886 | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 371 | 638 | 856 | 216 | 178 | 149 | 182 |

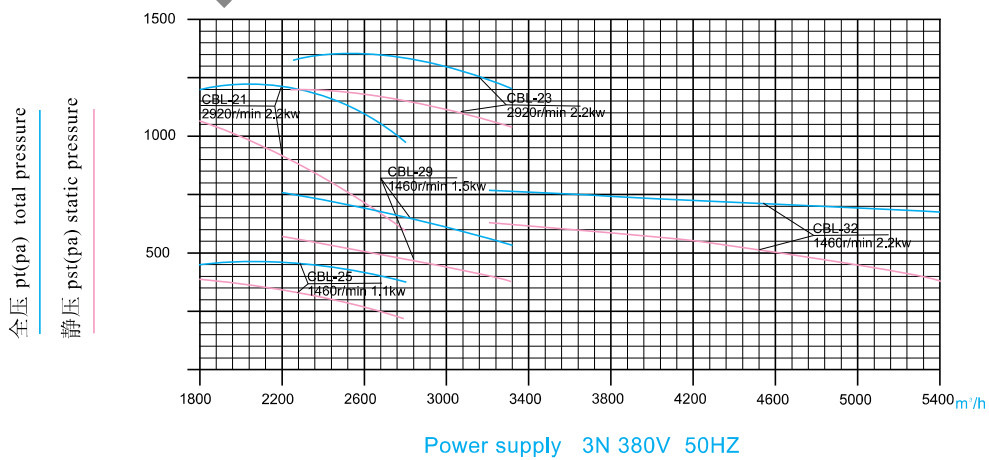
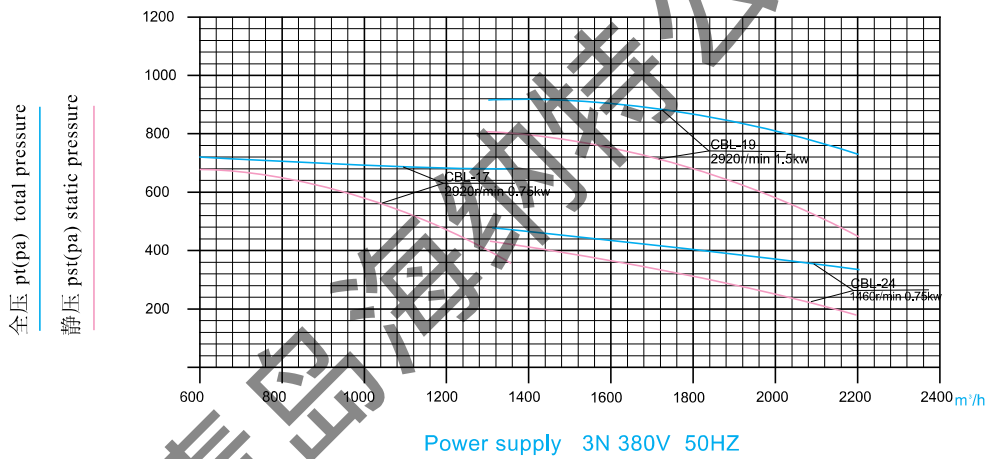
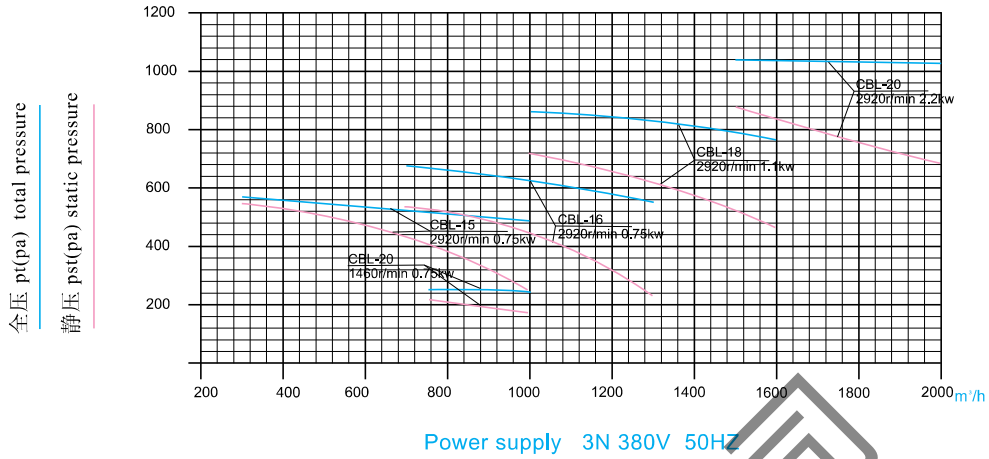
CBL系列外形安装尺寸
CBL Outline Dimensions

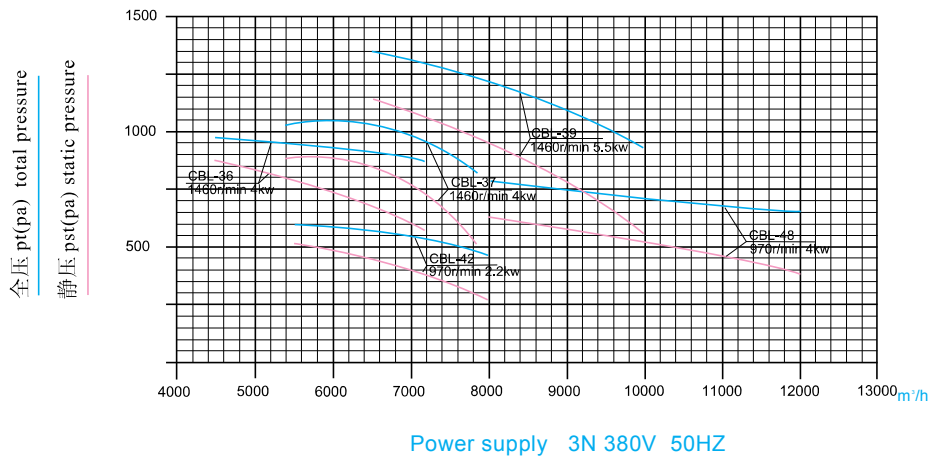
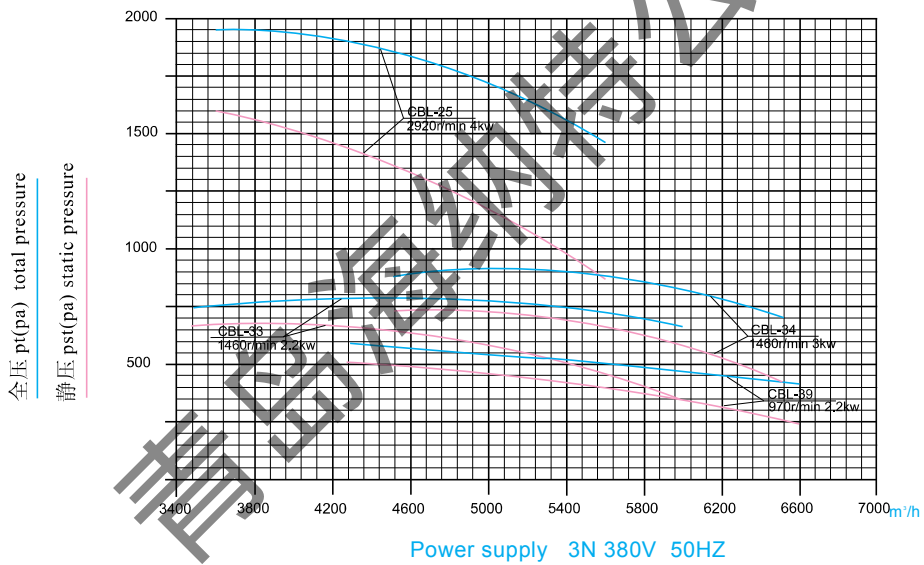
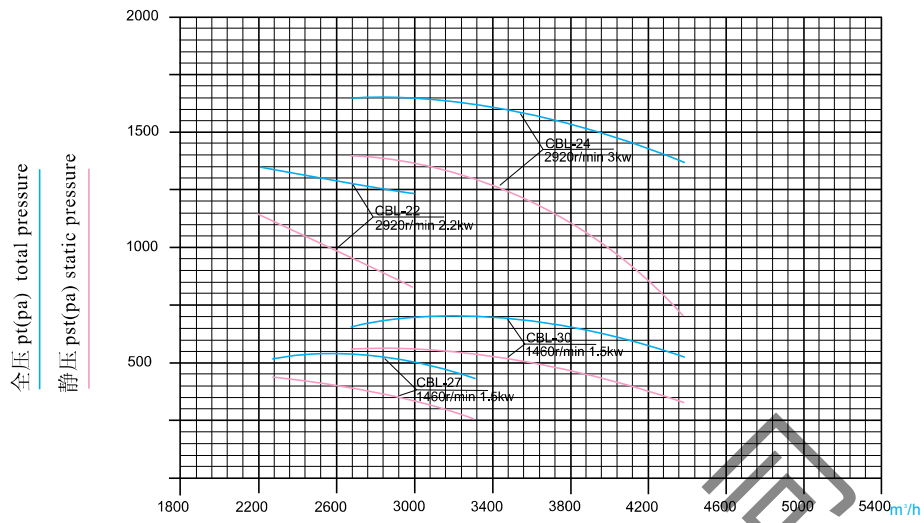
| 型号 type | 电动机型号 type of the motor | | A | A ₁ | A ₂ | A ₃ | B | B ₁ | B ₂ | B ₃ | D ₁ | D ₂ | D ₃ | n ₁ ×d ₁ | n ₂ ×d ₂ | H | h | h ₁ | h ₂ |
|------------|----------------------------|---|-----|----------------|----------------|----------------|-----|----------------|----------------|----------------|----------------|----------------|----------------|--------------------------------|--------------------------------|------|-----|----------------|----------------|
| | I型 type I | II型 type II | | | | | | | | | | | | | | | | | |
| CBL-42 | YB112M-6H | YB132S-6H Y132S-6H | 320 | 396 | 365 | 270 | 400 | 475 | 440 | 340 | φ505 | φ470 | φ430 | 12×φ12 | 12×φ12 | 844 | 112 | 340.5 | 266 |
| | YB132S-6H | | | | | | | | | | | | | | | | 132 | | |
| | YB132M-4H | YB132M-4H Y132M-4H | | | | | | | | | | | | | | | 130 | | |
| | YB160M-4H | YB160M-4H Y160M-4H | | | | | | | | | | | | | | | 160 | | |
| CBL-44 | YB132S-6H | YB132M ₁ -6H Y132M ₁ -6H | 320 | 396 | 363 | 270 | 420 | 495 | 460 | 350 | φ525 | φ490 | φ450 | 12×φ12 | 12×φ12 | 878 | 132 | 353.5 | 277 |
| | YB132M ₁ -6H | | | | | | | | | | | | | | | | 132 | | |
| | YB160M-4H | YB160M-4H Y160M-4H | | | | | | | | | | | | | | | 160 | | |
| | YB160L-4H | YB160L-4H Y160L-4H | | | | | | | | | | | | | | | 160 | | |
| CBL-46 | YB132M ₁ -6H | YB132M ₁ -6H Y132M ₁ -6H | 320 | 396 | 363 | 270 | 440 | 515 | 480 | 360 | φ545 | φ510 | φ470 | 12×φ12 | 12×φ12 | 915 | 132 | 371 | 286.5 |
| | YB132M ₂ -6H | YB132M ₂ -6H Y132M ₂ -6H | | | | | | | | | | | | | | | 132 | | |
| | YB160M-4H | YB160M-4H Y160M-4H | | | | | | | | | | | | | | | 160 | | |
| | YB180M-4H | YB180M-4H Y180M-4H | | | | | | | | | | | | | | | 180 | | |
| CBL-48 | YB132M ₁ -6H | YB132M ₁ -6H Y132M ₁ -6H | 350 | 438 | 399 | 290 | 450 | 536 | 495 | 370 | φ586 | φ550 | φ500 | 12×φ12 | 12×φ12 | 966 | 132 | 391 | 307 |
| | YB132M ₂ -6H | YB132M ₂ -6H Y132M ₂ -6H | | | | | | | | | | | | | | | 132 | | |
| | YB160L-4H | YB160L-4H Y160L-4H | | | | | | | | | | | | | | | 160 | | |
| | YB180L-4H | YB180L-4H Y180L-4H | | | | | | | | | | | | | | | 180 | | |
| CBL-50 | YB132M ₂ -6H | YB132M ₂ -6H Y132M ₂ -6H | 360 | 448 | 408 | 290 | 470 | 556 | 515 | 390 | φ606 | φ570 | φ520 | 12×φ12 | 12×φ12 | 992 | 132 | 402 | 312 |
| | YB160M-6H | YB160M-6H Y160M-6H | | | | | | | | | | | | | | | 160 | | |
| | YB180M-4H | YB180M-4H Y180M-4H | | | | | | | | | | | | | | | 180 | | |
| | YB180L-4H | YB180L-4H Y180L-4H | | | | | | | | | | | | | | | 180 | | |
| CBL-52 | YB160M-6H | YB160M-6H Y160M-6H | 380 | 468 | 428 | 310 | 480 | 566 | 525 | 400 | φ626 | φ590 | φ540 | 12×φ12 | 12×φ12 | 1036 | 160 | 422 | 331 |
| | YB160L-6H | YB160L-6H Y160L-6H | | | | | | | | | | | | | | | | | |
| CBL-54 | YB160M-6H | YB160M-6H Y160M-6-H | 380 | 468 | 428 | 310 | 530 | 616 | 576 | 450 | φ646 | φ610 | φ560 | 12×φ12 | 12×φ12 | 1078 | 160 | 442 | 329 |
| | YB160L-6H | YB160L-6H Y160L-6-H | | | | | | | | | | | | | | | | | |
| CBL-56 | YB160L-6H | YB160L-6H Y160L-6-H | 400 | 488 | 448 | 330 | 540 | 626 | 586 | 460 | φ666 | φ630 | φ586 | 12×φ12 | 12×φ12 | 1106 | 160 | 453 | 340 |
| | YB180L-6H | YB180L-6H Y180L-6H | | | | | | | | | | | | | | | 180 | | |
| CBL-58 | YB180L-6H | YB180L-6H Y180L-6H | 420 | 508 | 468 | 350 | 560 | 646 | 606 | 480 | φ686 | φ650 | φ600 | 12×φ12 | 12×φ12 | 1152 | 180 | 474 | 355 |
| | YB200L ₁ -6H | YB200L ₁ -6H Y200L ₁ -6H | | | | | | | | | | | | | | | 200 | | |

CBL系列外形安装尺寸 CBL Outline Dimensions

| M | M1 | L | L1 | L2 | L3 | L4 | K | | H1 | H2 | H3 | φ 1 | φ 2 | φ 3 | l ₁ | l ₂ | l ₃ | l ₄ | l ₅ | l ₆ | 重量 (≈kg) weight | |
|-------|-----|------|-----|-----|-----|-----|--------------|----------------|--------|--------|-----|------|-------|-------|----------------|----------------|----------------|----------------|----------------|----------------|--------------------|----------------|
| | | | | | | | I型 type I | II型 type II | | | | | | | | | | | | | I型 type I | II型 type II |
| | | | | | | | | | | | | | | | | | | | | | | |
| 735.5 | 331 | 774 | 210 | 234 | 140 | 190 | φ 12 | φ 12 | 933.5 | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 421 | 688 | 906 | 216 | 140 | 123 | 179 |
| | | 804 | | 253 | 140 | 216 | φ 12 | φ 12 | | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 421 | 688 | 906 | 216 | 140 | 146 | |
| | | 844 | | 253 | 178 | 216 | φ 12 | φ 12 | | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 421 | 688 | 906 | 216 | 178 | 165 | 198 |
| | | 919 | | 272 | 210 | 254 | φ 15 | φ 15 | | 1013.5 | 510 | 160 | φ 19 | φ 260 | φ 300 | 450 | 421 | 722 | 1006 | 254 | 210 | 218 |
| 765.5 | 344 | 804 | 210 | 253 | 140 | 216 | φ 12 | φ 12 | 954.5 | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 421 | 688 | 906 | 216 | 178 | 150 | 193 |
| | | 844 | | 253 | 178 | 216 | φ 12 | φ 12 | | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 421 | 688 | 906 | 216 | 178 | 160 | |
| | | 919 | | 272 | 210 | 254 | φ 15 | φ 15 | 1034.5 | 510 | 160 | φ 15 | φ 260 | φ 300 | 450 | 421 | 722 | 1006 | 254 | 210 | 222 | 267 |
| | | 959 | | 272 | 254 | 254 | φ 15 | φ 15 | | 510 | 160 | φ 19 | φ 260 | φ 300 | 450 | 421 | 722 | 1006 | 254 | 254 | 240 | 285 |
| 800 | 360 | 844 | 210 | 253 | 178 | 216 | φ 12 | φ 12 | 974 | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 421 | 688 | 906 | 216 | 178 | 166 | 199 |
| | | 844 | | 253 | 178 | 216 | φ 12 | φ 12 | | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 421 | 688 | 906 | 216 | 178 | 181 | |
| | | 919 | | 272 | 210 | 254 | φ 15 | φ 15 | 1054 | 510 | 160 | φ 19 | φ 260 | φ 300 | 450 | 421 | 722 | 1006 | 254 | 210 | 228 | 273 |
| | | 994 | | 285 | 241 | 279 | φ 15 | φ 15 | | 510 | 180 | φ 19 | φ 260 | φ 300 | 450 | 421 | 722 | 1006 | 279 | 241 | 300 | 245 |
| 840 | 377 | 880 | 230 | 269 | 178 | 216 | φ 12 | φ 12 | 1004 | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 457 | 724 | 942 | 216 | 178 | 169 | 202 |
| | | 880 | | 269 | 178 | 216 | φ 12 | φ 12 | | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 457 | 724 | 942 | 216 | 178 | 185 | |
| | | 995 | | 288 | 254 | 254 | φ 15 | φ 15 | 1085 | 510 | 160 | φ 19 | φ 260 | φ 300 | 450 | 457 | 758 | 1042 | 254 | 254 | 249 | 294 |
| | | 1050 | | 301 | 279 | 279 | φ 15 | φ 15 | | 510 | 180 | φ 19 | φ 260 | φ 300 | 450 | 457 | 758 | 1042 | 279 | 279 | 353 | 398 |
| 870 | 394 | 890 | 235 | 274 | 178 | 216 | φ 12 | φ 12 | 1020 | 430 | 132 | φ 15 | φ 240 | φ 265 | 400 | 467 | 734 | 952 | 216 | 178 | 190 | 223 |
| | | 965 | | 293 | 210 | 254 | φ 15 | φ 15 | | 1100 | 510 | 160 | φ 19 | φ 260 | φ 300 | 450 | 467 | 768 | 1052 | 254 | 210 | |
| | | 1005 | | 293 | 241 | 279 | φ 15 | φ 15 | 1100 | | 510 | 160 | φ 19 | φ 260 | φ 300 | 450 | 467 | 768 | 1052 | 254 | 254 | 255 |
| | | 1060 | | 306 | 279 | 279 | φ 15 | φ 15 | | 510 | 180 | φ 19 | φ 260 | φ 300 | 450 | 467 | 768 | 1052 | 279 | 279 | 359 | 404 |
| 910 | 412 | 985 | 245 | 303 | 210 | 254 | φ 15 | φ 15 | 1124 | 510 | 160 | φ 19 | φ 260 | φ 300 | 450 | 487 | 788 | 1072 | 254 | 210 | 241 | 286 |
| | | 1025 | | 303 | 254 | 254 | φ 15 | φ 15 | | 510 | | φ 19 | φ 260 | φ 300 | 450 | 487 | 788 | 1072 | 254 | 254 | 265 | |
| 935 | 416 | 995 | 250 | 303 | 210 | 254 | φ 15 | φ 15 | 1147 | 510 | 160 | φ 19 | φ 260 | φ 300 | 450 | 492 | 793 | 1077 | 254 | 210 | 252 | 297 |
| | | 1030 | | 303 | 254 | 254 | φ 15 | φ 15 | | 510 | | φ 19 | φ 260 | φ 300 | 450 | 492 | 793 | 1077 | 254 | 254 | 276 | |
| 975 | 442 | 1050 | 260 | 313 | 254 | 254 | φ 15 | φ 15 | 1163 | 510 | 160 | φ 19 | φ 260 | φ 300 | 450 | 512 | 813 | 1097 | 254 | 254 | 287 | 312 |
| | | 1105 | | 326 | 279 | 279 | φ 15 | φ 15 | | 510 | 180 | φ 19 | φ 260 | φ 300 | 450 | 512 | 813 | 1097 | 279 | 279 | 382 | |
| 1010 | 454 | 1125 | 270 | 336 | 279 | 279 | φ 15 | φ 15 | 1188 | 510 | 180 | φ 19 | φ 260 | φ 300 | 450 | 532 | 833 | 1117 | 279 | 279 | 393 | 438 |
| | | 1180 | | 348 | 305 | 318 | φ 15 | φ 15 | | 1278 | 600 | 200 | φ 19 | φ 310 | φ 350 | 500 | 544 | 863 | 1158 | 318 | 305 | |

风机特性曲线图 Characteristic Curves
380V 50HZ

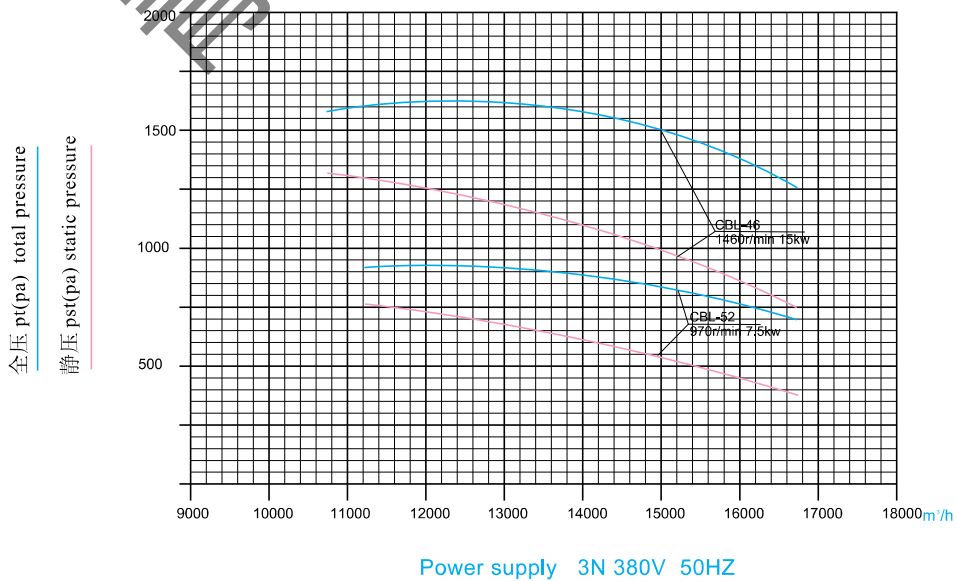
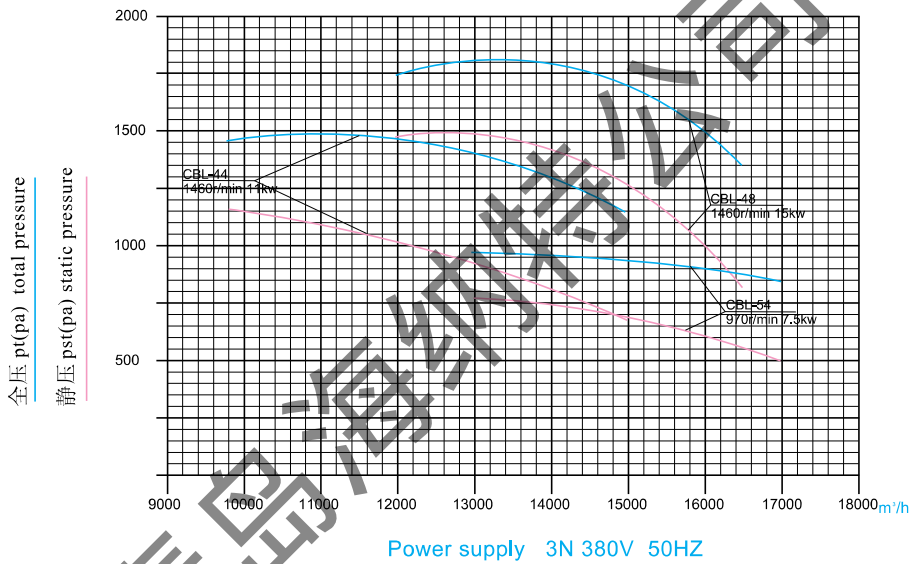
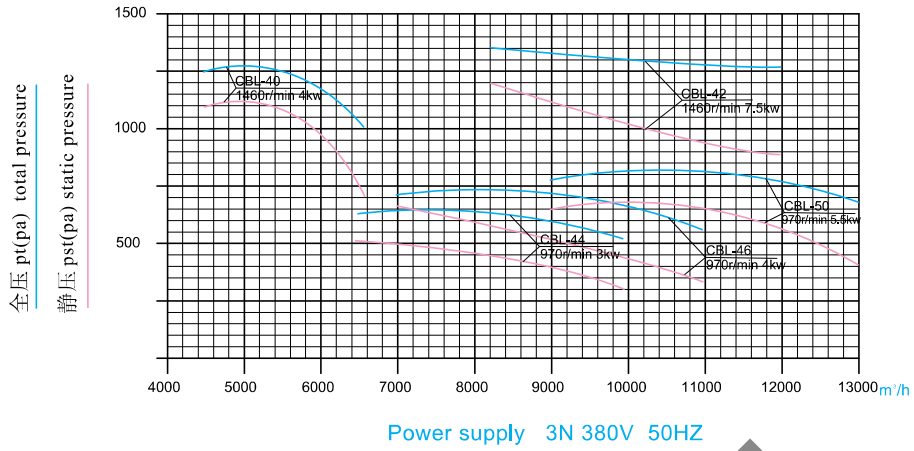


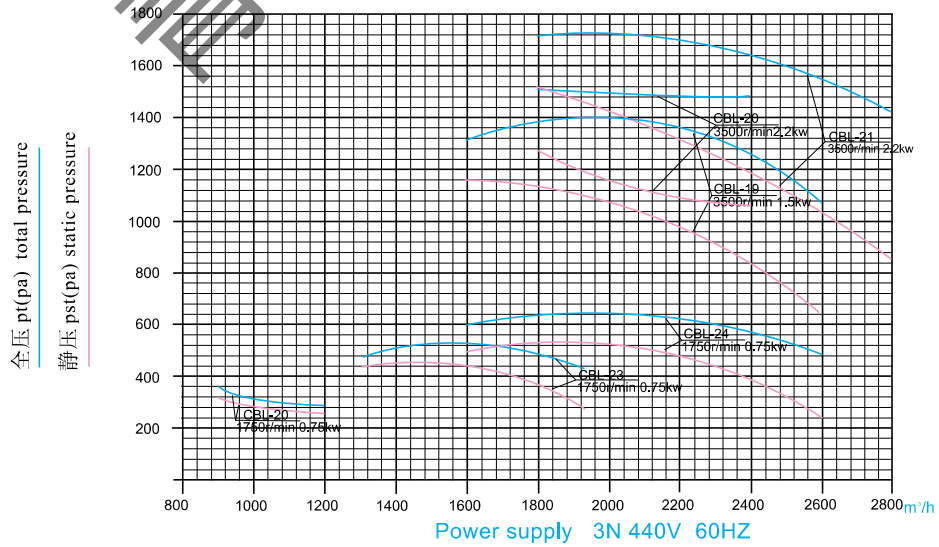
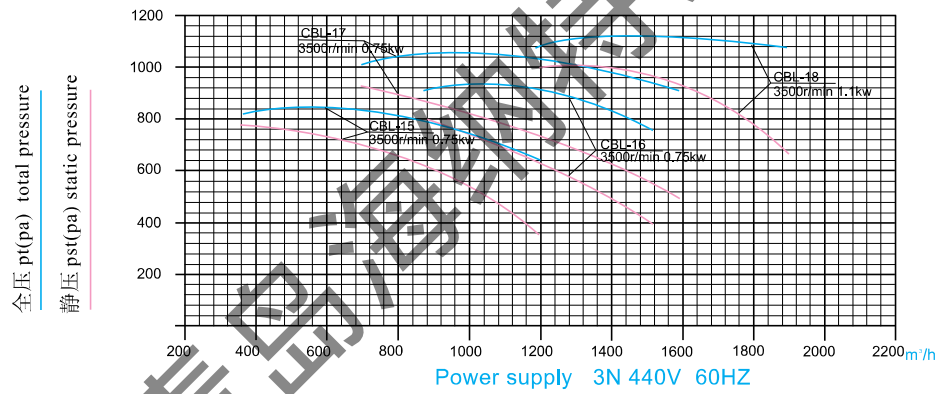
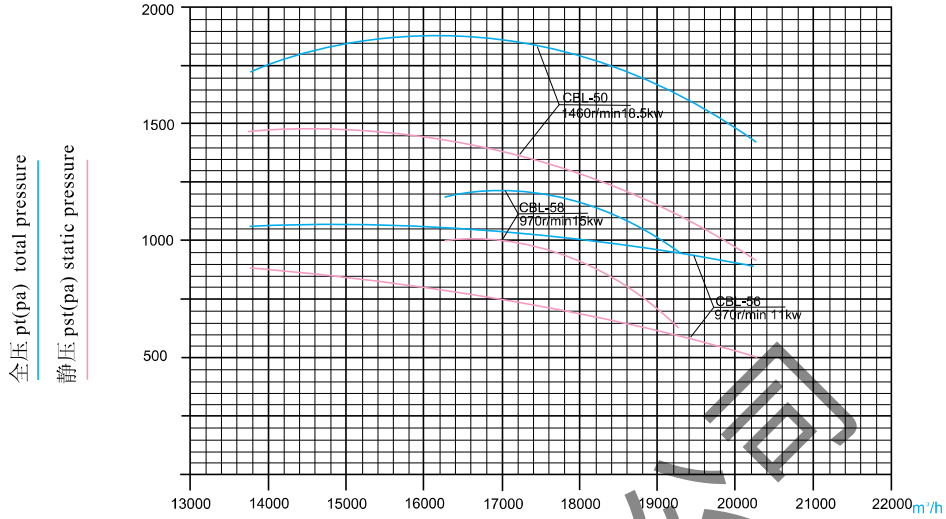


风机特性曲线图 Characteristic Curves
380V 50HZ



青岛海纳特公司

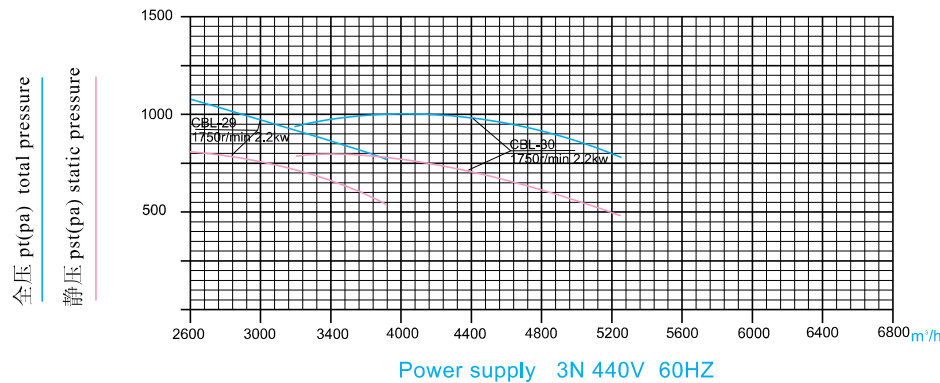
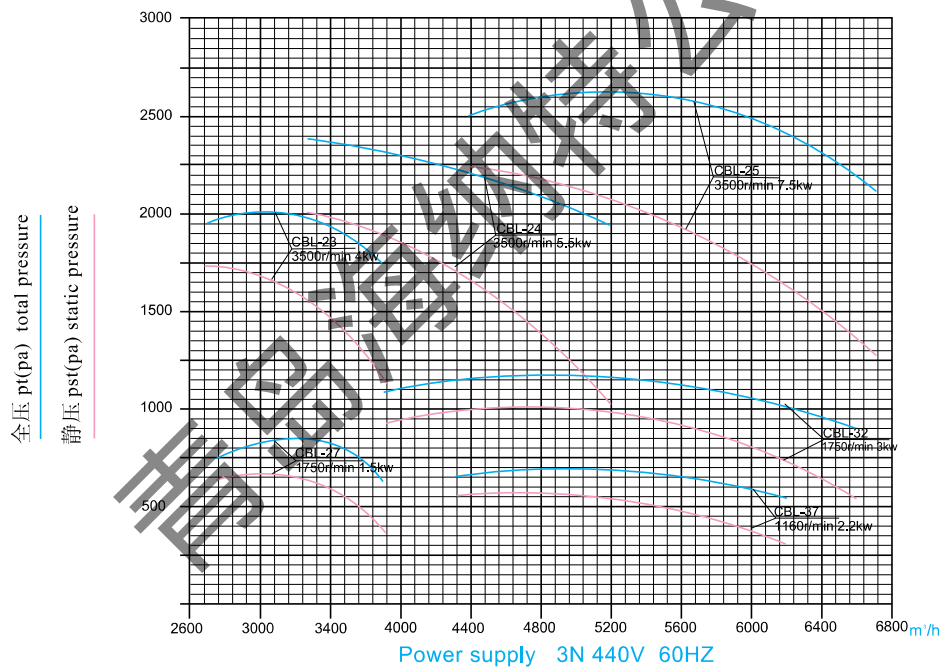
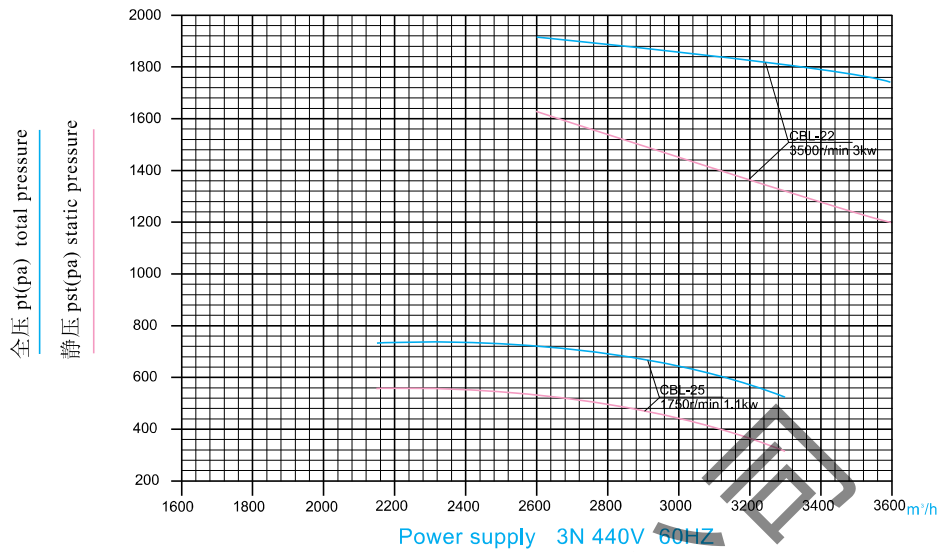


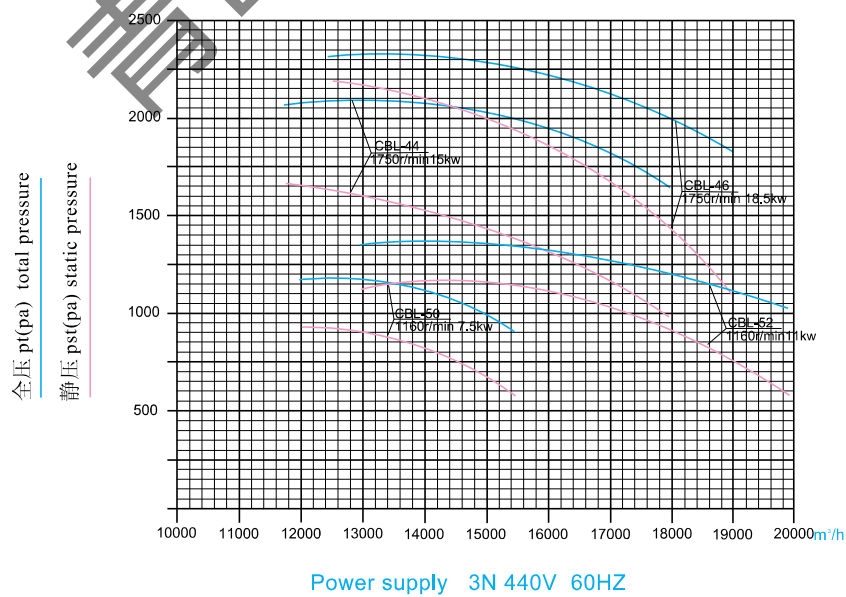
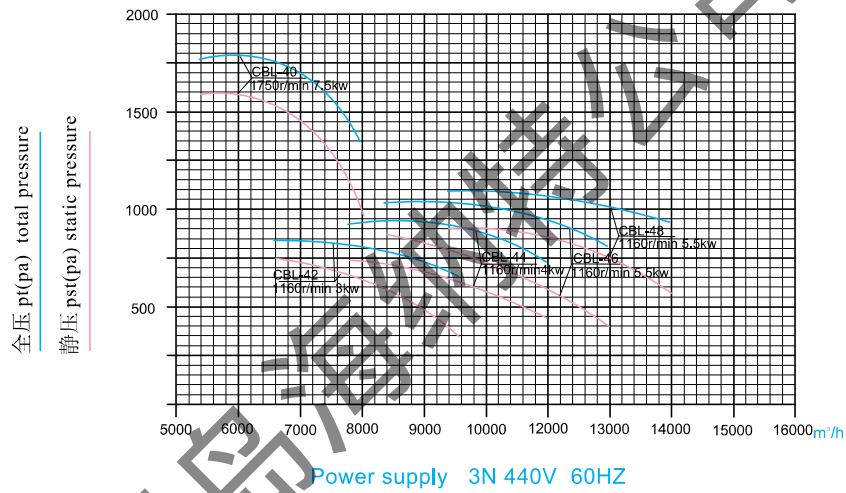
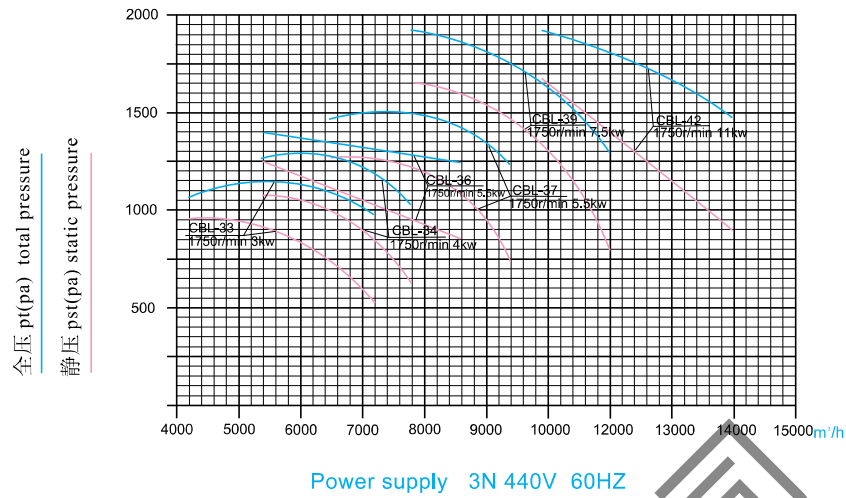


风机特性曲线图 Characteristic Curves
440V 60HZ



青岛海纳特公司



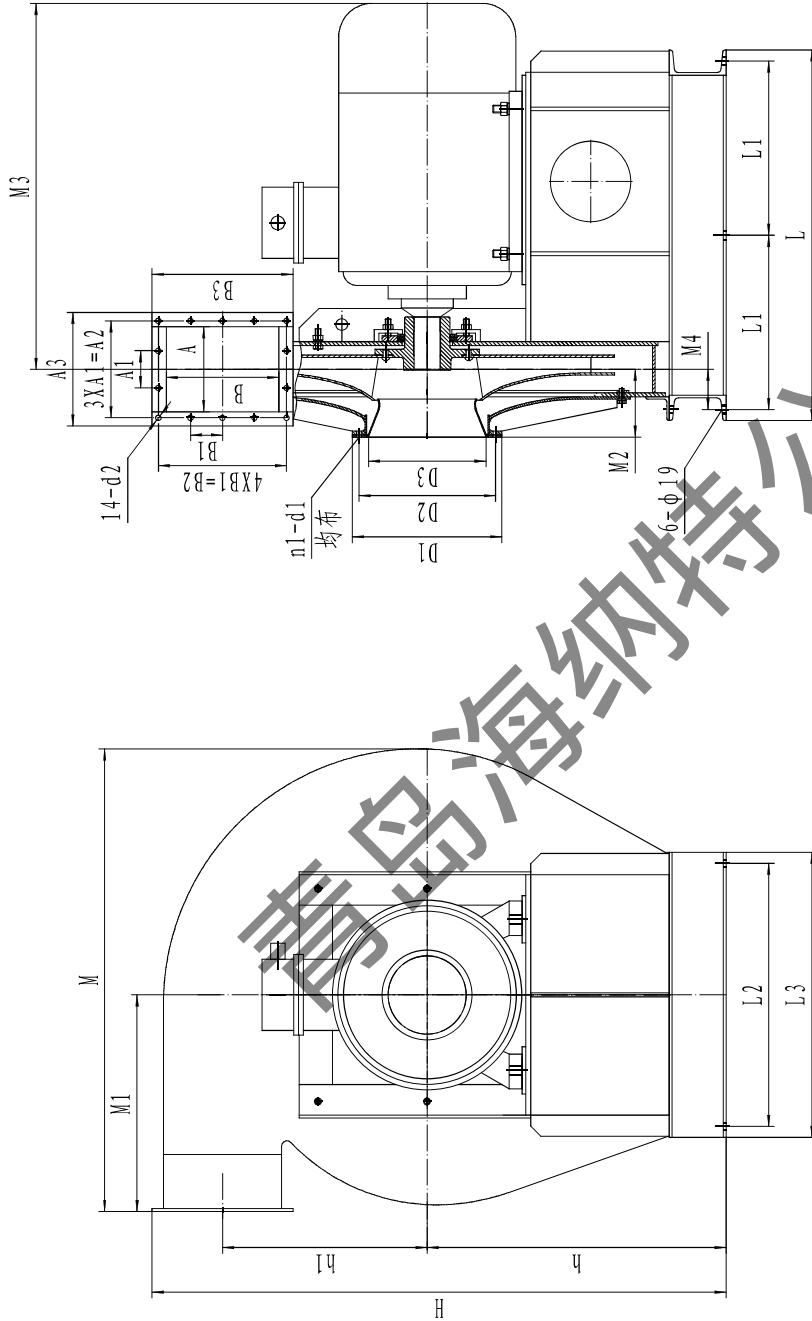


CBL型船用高压防爆离心通风机性能参数
Type CBL High Pressure Explosion-proof Centrifugal Fans For Marine Use



性能参数
property parameters

| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 转速 speed r/min | 轴功率 power kw | 配用电动机 motor | |
|------------|--------------------------------------|----------------------------|----------------------|--------------------|--------------------------|-------------|
| | | | | | 型号 type | 功率 power KW |
| CBL-63 | 3400 | 10160 | 2940 | 13.7 | YB180M - 2H | 22 |
| | 3600 | 10220 | | 14.59 | | |
| | 3800 | 10260 | | 15.47 | | |
| | 4000 | 10200 | | 16.18 | | |
| | 4200 | 10160 | | 16.93 | | |
| | 4500 | 9960 | | 17.78 | | |
| CBL-67 | 4000 | 11000 | 2940 | 17.45 | YB200L ₁ - 2H | 30 |
| | 4200 | 11200 | | 18.66 | | |
| | 4500 | 11100 | | 19.82 | | |
| | 4800 | 11000 | | 22.55 | | |
| | 5000 | 10500 | | 24.29 | | |
| | 5200 | 10000 | | 25.06 | | |
| CBL-71 | 5000 | 11800 | 2940 | 23.43 | YB200L ₂ - 2H | 37 |
| | 5500 | 12000 | | 26.18 | | |
| | 6000 | 11860 | | 28.09 | | |
| | 6500 | 11800 | | 29.05 | | |
| | 7000 | 11600 | | 31.1 | | |
| | 7500 | 11400 | | 32.72 | | |
| CBL-75 | 5500 | 12500 | 2940 | 28.36 | YB225M - 2H | 45 |
| | 6000 | 13000 | | 32.13 | | |
| | 6500 | 13500 | | 36.09 | | |
| | 7000 | 14000 | | 37.49 | | |
| | 7500 | 13500 | | 38.67 | | |
| | 8000 | 13000 | | 39.67 | | |



(180°)船用高压防爆离心风机外形图

Outline Dimensions

| 高压风机外形尺寸表 | | A | A1 | A2 | A3 | B | B1 | B2 | B3 | D1 | D2 | D3 | n1-d1 | d2 | H | h | h1 | M | M1 | M2 | M3 | M4 | L | L1 | L2 | L3 |
|-----------|---------------|-----|----|-----|-----|-----|------|-----|-----|-----|-----|-----|-------|-----|------|-----|-----|------|-----|-----|-----|----|-----|-----|-----|-----|
| 风机型号 | 电动机型号 | 145 | 64 | 192 | 221 | 202 | 61 | 244 | 272 | 290 | 263 | 223 | 8-Φ10 | Φ12 | 1130 | 595 | 397 | 895 | 418 | 138 | 670 | 80 | 710 | 332 | 494 | 540 |
| CBL-63 | YB180M2H-2KW | 154 | 67 | 201 | 230 | 214 | 64 | 256 | 284 | 302 | 275 | 235 | 8-Φ10 | Φ12 | 1170 | 620 | 407 | 920 | 450 | 143 | 770 | 85 | 760 | 357 | 524 | 570 |
| CBL-67 | YB200L-2H-3KW | 163 | 68 | 204 | 239 | 227 | 67.5 | 270 | 297 | 315 | 288 | 248 | 8-Φ10 | Φ12 | 1210 | 630 | 432 | 974 | 456 | 143 | 770 | 85 | 780 | 367 | 554 | 600 |
| CBL-71 | YB200L-2H-3KW | 172 | 73 | 219 | 248 | 240 | 70.5 | 282 | 310 | 320 | 293 | 253 | 8-Φ10 | Φ12 | 1275 | 670 | 450 | 1020 | 476 | 153 | 820 | 90 | 810 | 382 | 584 | 630 |
| CBL-75 | YB25M-2H-4KW | | | | | | | | | | | | | | | | | | | | | | | | | |

CBGD系列舰船用防爆(无火花)离心通风机 CBGD Series Marine Or Navy Explosion-proof(Non-sparking) Centrifugal Fans

一、概述

CBGD系列舰船用防爆(无火花)离心通风机(以下简称“无火花通风机”)是根据CGDL系列舰船用通风机发展出的一种舰船用防爆产品,它是按照《舰船用防爆通风机》、《爆炸性环境用防爆电气设计》和国内外船舶规范的有关规定设计制造的。

无火花通风机适用于船舶上各种含有易燃、易爆气体舱室的通风换气,也适用于其他相适应的场合。

本系列通风机经中华人民共和国防爆检验单位检验合格,取得了防爆合格证,同时也取得了中华人民共和国船舶检验局的认可。

二、特点

本系列无火花通风机具有防爆等级高、效率高、噪声低电动机不会超载、耐蚀性好、抗摇摆、抗振动、冲击、运转平稳和安全可靠等特点。

三、结构形式

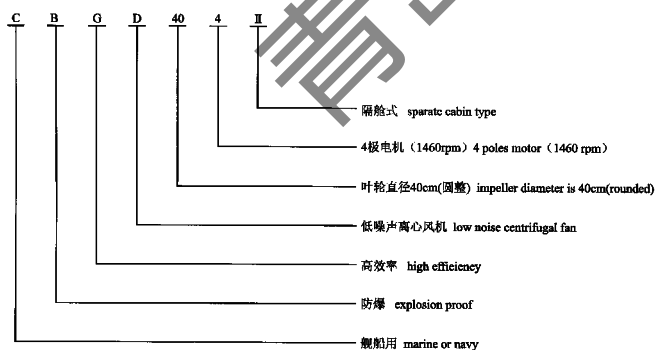
防爆通风机制成I型(直联式)和II型(隔舱式)两种结构,整机结构均为无火花型结构。

I型(直联式)防爆通风机制成防爆电动机直接传动式结构,叶轮直接装在电动机轴上,机壳固定在防爆发动机法兰上。

II型(隔舱式)为防爆通风机和电机分隔舱结构,由风机、传动组、弹性联轴器、电动机等组成;传动组由轴承体、轴承、轴、铜环、密封填料函等组成,能测温加油。一端直联防爆通风机,一端直联隔舱壁。

防爆通风机为卧式、单级、单吸入和气密式结构,也可制成立式结构。

四、型号说明



1.General

CBGD Series marine or navy explosion-proof (non-sparking) centrifugal fans (hereafter called the "non-sparking fans") are explosion-proof products for marine use which developed from the CGDL series marine centrifugal fans. The series are designed and manufacture according to 《Marine explosion-proof fans》. 《Electrical apparatus for explosive atmospheres》 and ship regulations of Chinese and international.

Non-sparking fans are suitable for every cabin air ventilating and exchanging on ships which containing combustibile and explosive gas. They are also applicable in other places that suit.

This serices non-sparking fans have the features of high explosion-proof grade,high efficiency, low noise,no overload, well anticorrosive, resistance to swing vibration and shock, stable turning and safety, reliability,etc.

3.Structure

There are two structural types:

Type I (direct-coupling type) and type II (separate cabins type). The construction is non-sparking. The structure of type I is a motor direct coupling one,the impeller is mounted directly on the motor shaft,and the casing is fixed on the flange of the explosion-proof motor.

The type II is a separate structure,the fan and the motor are put into different cabins. With a driving device, flexible couplings, and the driving device consists of bearings, bearing-box, shaft, brass rings, stuffing box, It can be oiled and measured the temperature. One side is fixed on the fan. And the other side will be mounted on the bulkhead.

The fan may be made into a horizontal or vertical, single-stage. Single-drawing and airtight structure by the customer's requirement.

4.Model explanation



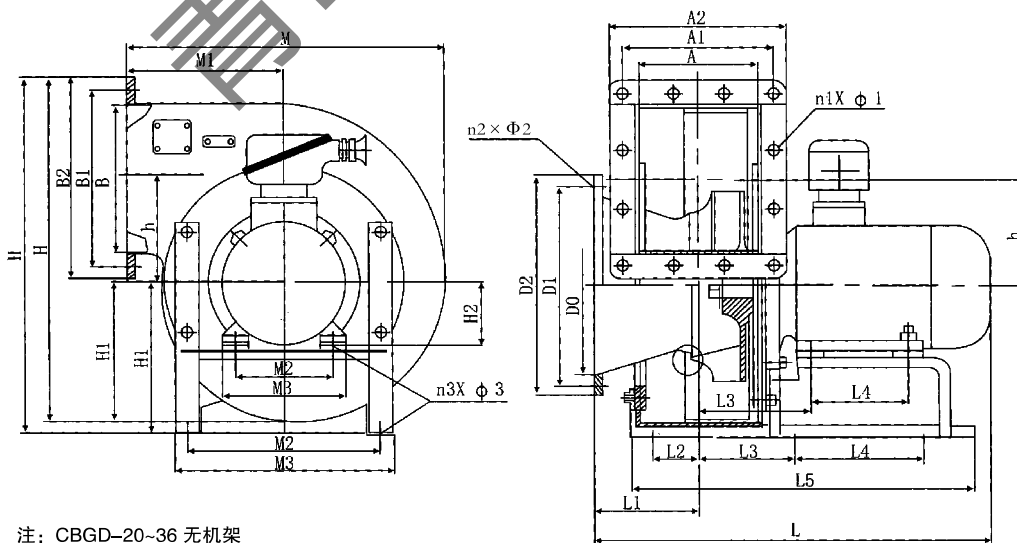
主要性能参数 Amain Property Parameters

| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 motor | | | | | | 重量 weight ≈kg | |
|------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|------------------|----------------|-----|-------------------------|---|-----|---------------------|--|
| | | | | | 频率 freq HZ | 功率 power Kw | | 型号 type | | | | |
| | | | | | | I | II | I | II | I | II | |
| CBGD-20-2 | 400 | 550 | 530 | 2920 | 50 | 0.75 | 1.5 | YB801-2H | YB90S-2H Y90S-2H | 45 | 73 | |
| | 600 | 490 | 430 | | | | | | | | | |
| CBGD-25-2 | 800 | 360 | 275 | 2920 | 50 | 0.75 | 1.5 | YB801-2H | YB90S-2H Y90S-2H | 47 | 75 | |
| | 600 | 760 | 700 | | | | | | | | | |
| | 800 | 650 | 560 | | | | | | | | | |
| | 1000 | 410 | 360 | | | | | | | | | |
| CBGD-28-2 | 800 | 760 | 710 | 2920 | 50 | 0.75 | 1.5 | YB801-2H | YB90S-2H Y90S-2H | 50 | 78 | |
| | 1100 | 670 | 600 | | | | | | | | | |
| | 1500 | 510 | 380 | | | | | | | | | |
| CBGD-32-2 | 1000 | 1090 | 1010 | 2920 | 60 | 0.75 | 1.5 | YB801-2H | YB90S-2H Y90S-2H | 58 | 86 | |
| | 1400 | 940 | 830 | | | | | | | | | |
| | 1800 | 730 | 550 | | | | | | | | | |
| CBGD-32-4 | 1000 | 930 | 900 | 2920 | 50 | 0.75 | 1.5 | YB801-2H | YB90S-2H Y90S-2H | 50 | 78 | |
| | 1600 | 820 | 750 | | | | | | | | | |
| | 2200 | 610 | 460 | | | | | | | | | |
| CBGD-36-2 | 1600 | 1270 | 1230 | 2920 | 50 | 1.1 | 1.5 | YB802-2H | YB90S-2H Y90S-2H | 58 | 86 | |
| | 2200 | 1170 | 1080 | | | | | | | | | |
| | 3000 | 890 | 740 | | | | | | | | | |
| CBGD-36-4 | 900 | 310 | 290 | 1460 | 50 | 0.55 | 1.1 | YB801-4H | YB90S-4H Y90S-4H | 58 | 86 | |
| | 1200 | 270 | 240 | | | | | | | | | |
| | 1500 | 220 | 180 | | | | | | | | | |
| CBGD-36-2 | 1000 | 440 | 420 | 1750 | 60 | 0.55 | 1.1 | YB801-4H | YB90S-4H Y90S-4H | 58 | 86 | |
| | 1400 | 390 | 360 | | | | | | | | | |
| | 1800 | 320 | 260 | | | | | | | | | |
| CBGD-36-2 | 2400 | 1630 | 1560 | 2920 | 50 | 2.2 | 2.2 | YB90L-2H | YB90L-2H Y90L-2H | 64 | 91 | |
| | 3300 | 1490 | 1370 | | | | | | | | | |
| | 4200 | 1260 | 1070 | | | | | | | | | |
| CBGD-40-2 | 1400 | 390 | 370 | 1460 | 50 | 0.55 | 1.1 | YB801-4H | YB90S-4H Y90S-4H | 61 | 88 | |
| | 1800 | 360 | 330 | | | | | | | | | |
| | 2200 | 280 | 230 | | | | | | | | | |
| | 1400 | 610 | 590 | | | | | | | | | |
| | 1900 | 580 | 530 | | | | | | | | | |
| CBGD-40-2 | 2500 | 490 | 420 | 1750 | 60 | 0.55 | 1.1 | YB801-4H | YB90S-4H Y90S-4H | 61 | 88 | |
| | 4000 | 2080 | 1960 | | | | | | | | | |
| | 5500 | 1790 | 1570 | | | | | | | | | |
| CBGD-40-2 | 7000 | 1360 | 1000 | 2920 | 50 | 4 | 4 | YB112M-2H | YB112M-2H Y112M-2H | 123 | 146 | |
| | 2000 | 510 | 480 | | | | | | | | | |
| | 2800 | 450 | 390 | | | | | | | | | |
| CBGD-40-4 | 3500 | 350 | 260 | 1460 | 50 | 0.75 | 1.1 | YB802-4H | YB90S-4H Y90S-4H | 88 | 115 | |
| | 2400 | 730 | 700 | | | | | | | | | |
| | 3200 | 670 | 590 | | | | | | | | | |
| | 4200 | 510 | 380 | | | | | | | | | |
| CBGD-45-2 | 5000 | 2860 | 2740 | 2920 | 50 | 7.5 | 7.5 | YB132S ₂ -2H | YB132S ₂ -2H Y132S ₂ -2H | 158 | 191 | |
| | 7000 | 2480 | 2250 | | | | | | | | | |
| | 9000 | 1850 | 1480 | | | | | | | | | |
| CBGD-45-4 | 2400 | 730 | 700 | 1460 | 50 | 1.1 | 1.5 | YB90S-4H | YB90L-4H Y90L-4H | 104 | 132 | |
| | 3800 | 580 | 510 | | | | | | | | | |
| | 5000 | 390 | 270 | | | | | | | | | |
| | 3000 | 1010 | 970 | | | | | | | | | |
| | 4500 | 820 | 730 | | | | | | | | | |
| CBGD-45-4 | 6000 | 550 | 380 | 1750 | 60 | 1.5 | 1.5 | YB90L-4H | YB90L-4H Y90L-4H | 108 | 132 | |
| | 8000 | 3160 | 2970 | | | | | | | | | |
| | 10000 | 2840 | 2550 | | | | | | | | | |
| CBGD-50-2 | 12000 | 2590 | 2160 | 2920 | 50 | 15 | 15 | YB160M ₂ -2H | YB160M ₂ -2H Y160M ₂ -2H | 239 | 284 | |
| | 4000 | 790 | 750 | | | | | | | | | |
| | 5000 | 720 | 650 | | | | | | | | | |
| | 6000 | 580 | 470 | | | | | | | | | |
| | 4500 | 1180 | 1120 | | | | | | | | | |
| CBGD-50-4 | 6000 | 1180 | 1120 | 1750 | 60 | 2.2 | 2.2 | YB100L ₁ -4H | YB100L ₁ -4H Y100L ₁ -4H | 125 | 156 | |
| | 7500 | 730 | 570 | | | | | | | | | |
| | 4500 | 980 | 940 | | | | | | | | | |
| CBGD-55-4 | 6400 | 850 | 770 | 1460 | 50 | 2.2 | 2.2 | YB100L ₁ -4H | YB100L ₁ -4H Y100L ₁ -4H | 149 | 174 | |
| | 8400 | 670 | 520 | | | | | | | | | |
| | 5400 | 1400 | 1340 | | | | | | | | | |
| | 7800 | 1210 | 1080 | | | | | | | | | |
| CBGD-55-6 | 10500 | 890 | 670 | 970 | 50 | 0.75 | 1.1 | YB90S-6H | YB90L-6H Y90L-6H | 137 | 162 | |
| | 3400 | 400 | 380 | | | | | | | | | |
| | 4200 | 370 | 330 | | | | | | | | | |
| | 5400 | 300 | 240 | | | | | | | | | |
| | 4000 | 590 | 560 | | | | | | | | | |
| CBGD-55-6 | 5000 | 540 | 490 | 1160 | 60 | 1.1 | 1.1 | YB90L-6H | YB90L-6H Y90L-6H | 142 | 162 | |
| | 6400 | 430 | 360 | | | | | | | | | |

主要性能参数 Amain Property Parameters

| 型号 type | 流量 flow rate m ³ /h | 全压 total pressure Pa | 静压 static pressure Pa | 转速 speed r/min | 电动机 motor | | | | 重量 weight ≈kg | | |
|------------|--------------------------------------|-------------------------------|--------------------------------|----------------------|------------------|----------------|-----|------------|-------------------------|-----|-----|
| | | | | | 频率 freq HZ | 功率 power Kw | | 型号 type | | I | II |
| | | | | | | I | II | I | II | | |
| CBGD-60-4 | 5400 | 1130 | 1080 | 1460 | 50 | 3 | 3 | YB100L2-4H | YB100L2-4H Y100L2-4H | 290 | 315 |
| | 7600 | 1000 | 910 | | | | | | | | |
| | 9500 | 750 | 610 | | | | | | | | |
| CBGD-60-6 | 6500 | 1630 | 1560 | 1750 | 60 | 5.5 | 5.5 | YB132S-4H | YB132S-4H Y132S-4H | 323 | 348 |
| | 9000 | 1480 | 1350 | | | | | | | | |
| | 12000 | 1000 | 780 | | | | | | | | |
| CBGD-60-6 | 4500 | 450 | 420 | 970 | 50 | 1.1 | 1.5 | YB90L-6H | YB100L-6H Y100L-6H | 281 | 312 |
| | 5600 | 390 | 340 | | | | | | | | |
| | 6500 | 290 | 220 | | | | | | | | |
| CBGD-60-6 | 4500 | 680 | 650 | 1160 | 60 | 1.5 | | YB100L-6H | | 289 | |
| | 6000 | 610 | 550 | | | | | | | | |
| | 7800 | 400 | 310 | | | | | | | | |
| CBGD-70-4 | 9000 | 1670 | 1610 | 1460 | 50 | 11 | 11 | YB160M-4H | YB160M-4H Y160M-4H | 355 | 400 |
| | 11000 | 1640 | 1550 | | | | | | | | |
| | 14000 | 1520 | 1370 | | | | | | | | |
| CBGD-70-6 | 7000 | 730 | 690 | 970 | 50 | 3 | 4 | YB132S-6H | YB132M1-6H Y132M1-6H | 276 | 319 |
| | 9000 | 670 | 610 | | | | | | | | |
| | 11000 | 580 | 480 | | | | | | | | |
| CBGD-70-6 | 8000 | 1040 | 990 | 1160 | 60 | 4 | | YB132M1-6H | | 286 | |
| | 10000 | 980 | 900 | | | | | | | | |
| | 13000 | 810 | 680 | | | | | | | | |
| CBGD-80-4 | 14000 | 1930 | 1840 | 1460 | 50 | 15 | 15 | YB160L-4H | YB160L-4H Y160L-4H | 389 | 443 |
| | 18000 | 1720 | 1570 | | | | | | | | |
| | 21000 | 1580 | 1370 | | | | | | | | |
| CBGD-80-6 | 24000 | 1480 | 1220 | 970 | 50 | 4 | 4 | YB132M1-6H | YB132M1-6H Y132M1-6H | 313 | 346 |
| | 9000 | 880 | 840 | | | | | | | | |
| | 12500 | 800 | 730 | | | | | | | | |
| CBGD-80-6 | 16000 | 560 | 440 | 1160 | 60 | 7.5 | 7.5 | YB160M-6H | YB160M-6H Y160M-6H | 348 | 402 |
| | 9000 | 1280 | 1240 | | | | | | | | |
| | 12000 | 1240 | 1180 | | | | | | | | |
| CBGD-80-6 | 15000 | 1140 | 1030 | | | | | | | | |
| | 19000 | 810 | 650 | | | | | | | | |

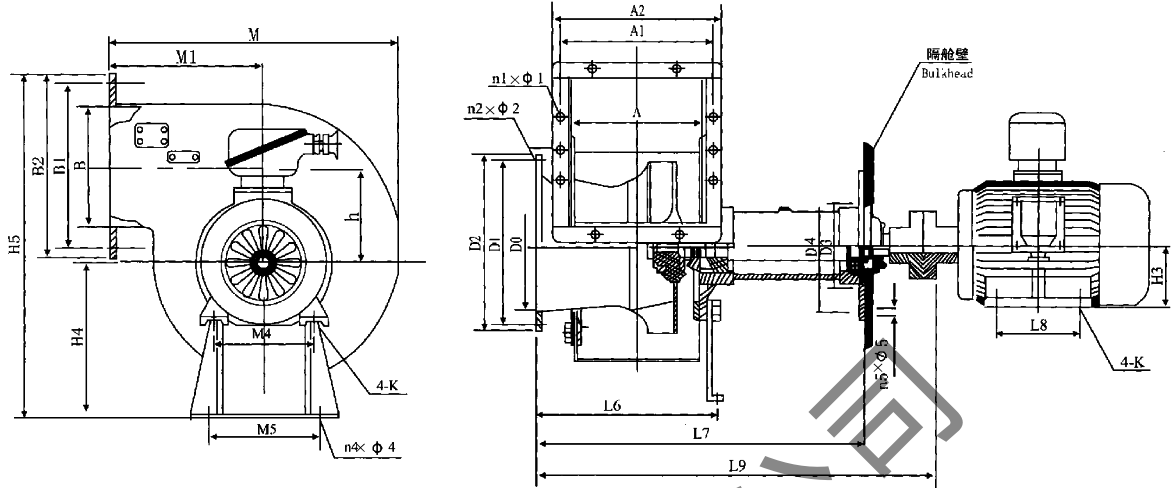
外形安装尺寸 Outline Dimensions



注: CBGD-20-36 无机架
 CBGD-40-80 有机架

I 型 (Type I)

外形安装尺寸
Outline Dimensions



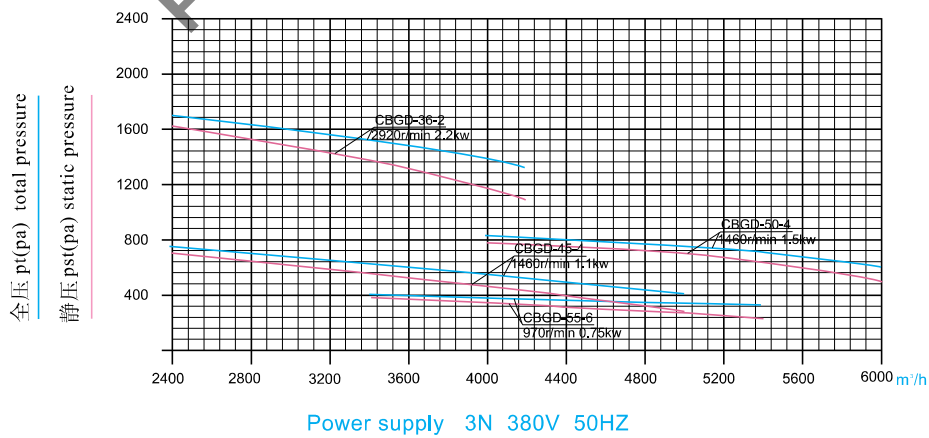
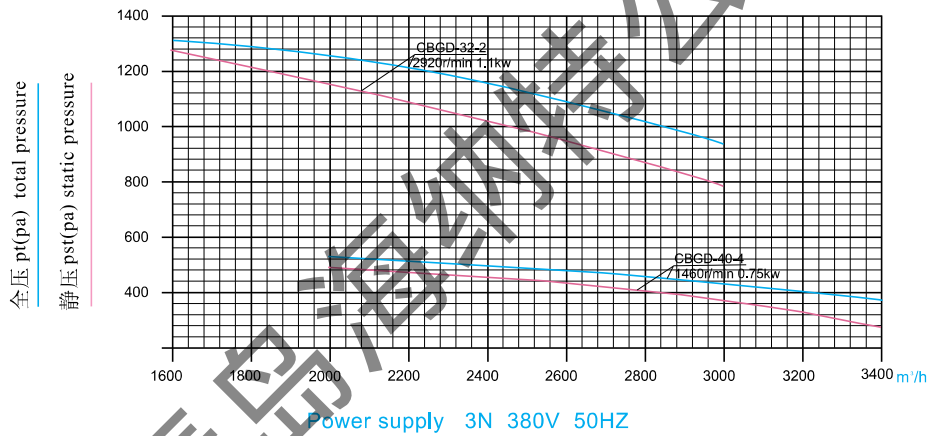
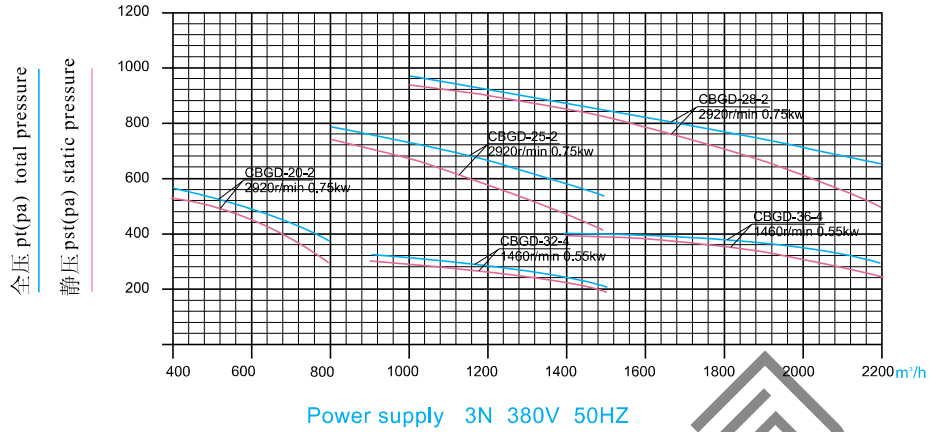
II 型 (Type II)

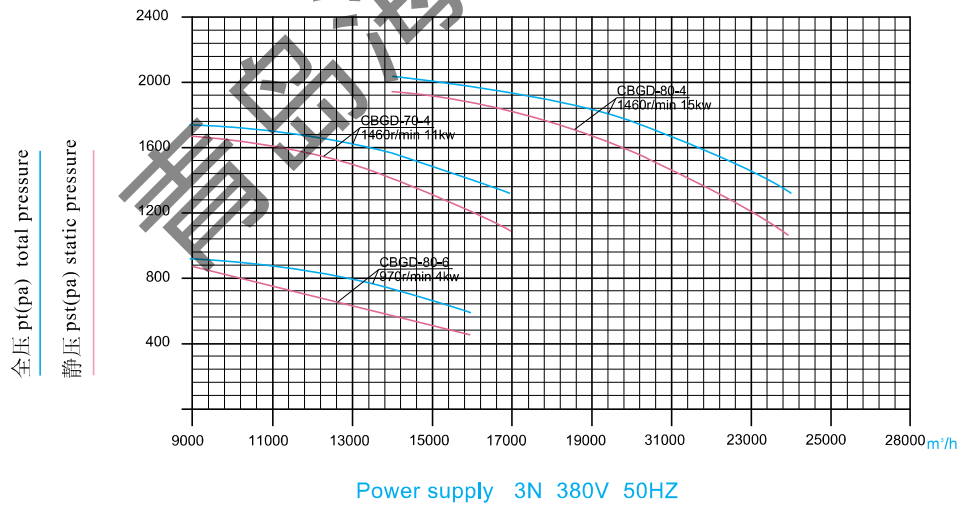
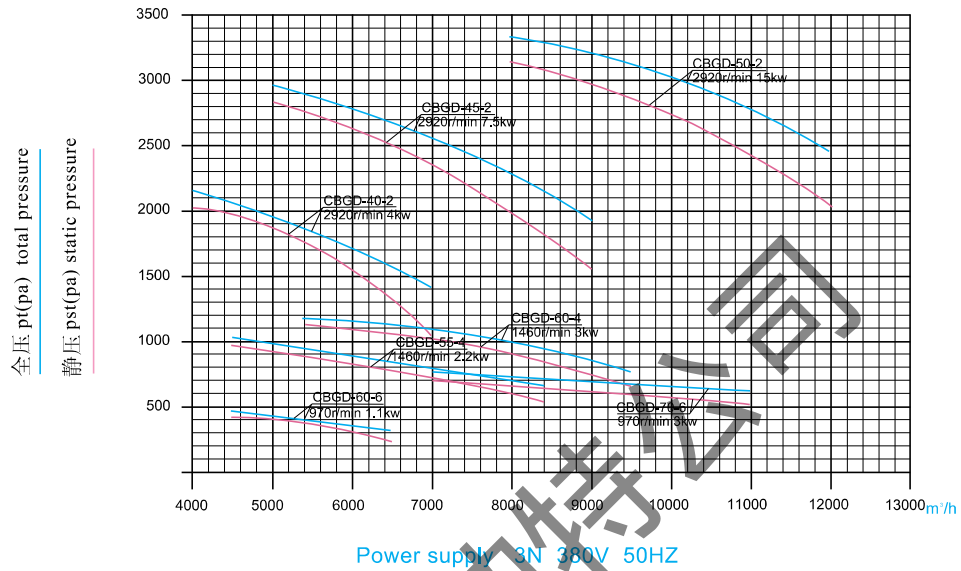
| 型号 type | 电动机型号 type of the motor | | A | A1 | A2 | D0 | n1×φ1 | n3×φ3 | M1 | L1 | L3 | H1 | H2 | H4 | D4 | M4 | n4×φ4 | L6 | L8 | M | H | H5 | L |
|------------|----------------------------|---------------------|-----|-------|-----|------|-------|-------|------------|------------|------------|-----------------|----------|------|------|-------|-------|------------|------------|-----|-----|-----|-----|
| | I 型 type I | II 型 type II | B | B1 | B2 | D1 | n2×φ2 | D2 | M2 | M3 | L4 | h | H3 | K | D5 | M5 | n5×φ5 | L7 | L9 | | | | |
| CBGD-20-2 | YB801-2H | YB90S-2H | 120 | 76×2 | 175 | φ170 | 10×φ8 | 4×φ10 | 156.5 | 105 | 112.5 | 141 | 80 | 250 | φ140 | 140 | 2×φ15 | 215 | 100 | 318 | 348 | 457 | 462 |
| | | Y90S-2H | 150 | 60×2 | 203 | φ200 | 8×φ8 | φ224 | 125 | 165 | 100 | 105 | 90 | φ10 | φ165 | 200 | 4×φ12 | 403 | 558 | | | | |
| CBGD-25-2 | YB801-2H | YB90S-2H | 155 | 93×2 | 210 | φ210 | 10×φ8 | 4×φ10 | 181.5 | 125 | 130 | 170 | 80 | 280 | φ140 | 140 | 2×φ15 | 252 | 100 | 375 | 412 | 523 | 500 |
| | | Y90S-2H | 185 | 72×3 | 238 | φ240 | 8×φ8 | φ264 | 125 | 165 | 100 | 124 | 90 | φ10 | φ165 | 250 | 4×φ12 | 440 | 595 | | | | |
| CBGD-28-2 | YB801-2H | YB90S-2H | 180 | 106×2 | 235 | φ240 | 10×φ8 | 4×φ10 | 201.5 | 138 | 142 | 193 | 80 | 310 | φ140 | 140 | 2×φ15 | 278 | 100 | 422 | 466 | 584 | 525 |
| | | Y90S-2H | 215 | 82×3 | 268 | φ270 | 8×φ8 | φ294 | 125 | 165 | 100 | 140 | 90 | φ10 | φ165 | 250 | 4×φ12 | 466 | 621 | | | | |
| CBGD-32-2 | YB802-2H | YB90S-2H Y90S-2H | 210 | 124×2 | 276 | φ270 | 10×φ8 | 4×φ10 | 225 | 160 | 163 | 218 | 80 | 350 | φ140 | 140 | 2×φ15 | 315 | 100 | 476 | 532 | 663 | 564 |
| CBGD-32-4 | YB801-4H | YB90S-4H Y90S-4H | 245 | 94×3 | 309 | φ305 | 8×φ8 | φ335 | 125 | 165 | 100 | 159 | 90 | φ10 | φ165 | 250 | 4×φ12 | 503 | 658 | | | | |
| CBGD-36-2 | YB90L-2H | YB90L-2H Y90L-2H | 230 | 134×2 | 296 | φ320 | 10×φ8 | 4×φ10 | 252 140 | 170 180 | 179 125 | 249 | 90 90 | 380 | φ190 | 140 | 2×φ15 | 335 | 125 725 | 534 | 595 | 728 | 628 |
| CBGD-36-4 | YB801-4H | YB90S-4H Y90S-4H | 280 | 105×3 | 344 | φ355 | 8×φ8 | φ385 | 252 125 | 170 165 | 173 100 | 176 80 90 | φ10 | φ215 | 340 | 4×φ15 | 550 | 100 725 | | | | | |

外形安装尺寸 Outline Dimensions

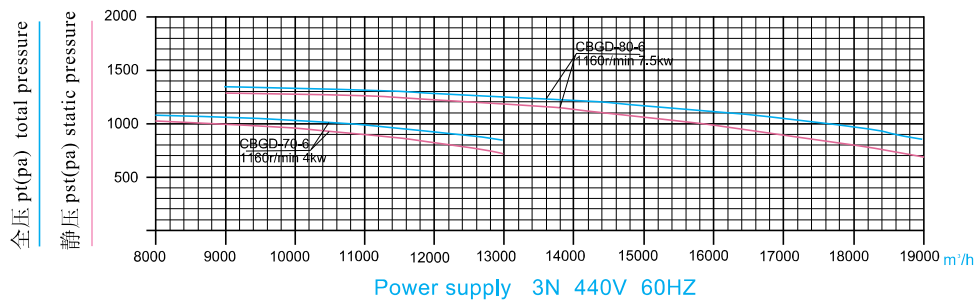
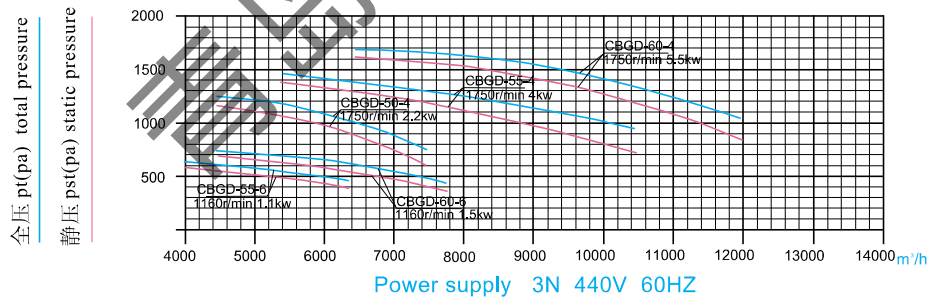
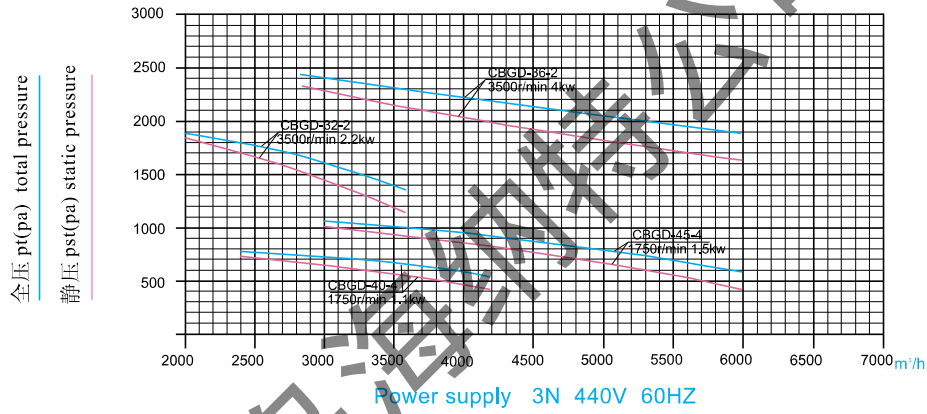
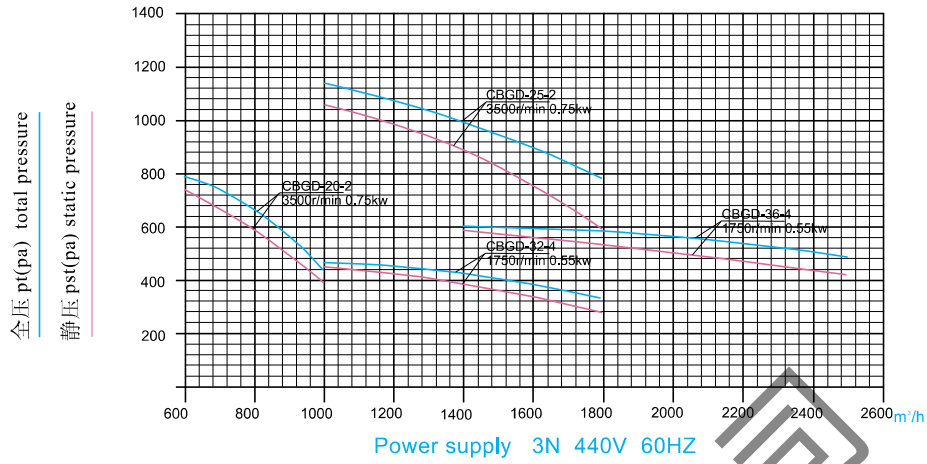
| 型号 type | 电动机型号 type of motor | | A | A ₁ | A ₂ | D ₀ | n ₁ × φ ₁ | m ₃ × φ ₃ |
|------------|---|--|-----|----------------|----------------|----------------|---------------------------------|---------------------------------|
| | I 型 type I | II 型 type II | B | B ₁ | B ₂ | D ₁ | n ₂ × φ ₂ | D ₂ |
| CBGD-40-2 | YB112M-2H | YB112M-2H Y112M-2H | 255 | 146×2 | 321 | φ 360 | 10× φ10 | 6× φ12 |
| CBGD-40-4 | YB802-4H YB90S-4H | YB90S-4H Y90S-4H | 310 | 115×3 | 374 | φ 395 | 8× φ10 | φ 425 |
| CBGD-45-2 | YB132S-2H | YB132S-2H Y132S-2H | 290 | 109×3 | 256 | φ 400 | 12× φ10 | 6× φ12 |
| CBGD-45-4 | YB90S-4H YB90L-4H | YB90L-4H Y90L-4H | 345 | 127×3 | 409 | φ 435 | 12× φ10 | φ 465 |
| CBGD-50-2 | YB160M ₂ -2H | YB160M ₂ -2H Y160M ₂ -2H | 320 | 119×3 | 386 | φ 450 | 12× φ10 | 4× φ15 φ 515 |
| CBGD-50-4 | YB90L ₁ -4H YB100L ₁ -4H | YB100L ₁ -4H Y100L ₁ -4H | 390 | 142×3 | 455 | φ 485 | 12× φ10 | 6× φ12 φ 515 |
| CBGD-55-4 | YB100L ₁ -4H YB112M-4H | YB100L ₁ -4H Y100L ₁ -4H YB112M-4H Y112M-4H | 355 | 131×3 | 423 | φ 490 | 12× φ10 | 6× φ12 |
| CBGD-55-6 | YB90S-6H YB90L-6H | YB90L-6H Y90L-6H | 425 | 154×3 | 491 | φ 532 | 12× φ10 | φ 566 |
| CBGD-60-4 | YB100L ₂ -4H YB132S-4H | YB100L ₂ -4H Y100L ₂ -4H YB132S-4H Y132S-4H | 380 | 142×3 | 458 | φ 530 | 12× φ12 | 6× φ15 |
| CBGD-60-6 | YB90L-6H YB100L-6H | YB100L-6H Y100L-6H | 460 | 167×3 | 536 | φ 572 | 16× φ10 | φ 606 |
| CBGD-70-4 | YB160M-4H | YB160M-4H Y160M-4H | 450 | 165×3 | 528 | φ 620 | 14× φ12 | 6× φ15 |
| CBGD-70-6 | YB132S-6H YB132M _i -6H | YB132M _i -6H Y132M _i -6H | 545 | 147×4 | 621 | φ 662 | 16× φ12 | φ 696 |
| CBGD-80-4 | YB160L-4H | YB160L-4H Y160L-4H | 510 | 139×4 | 588 | φ 700 | 16× φ12 | 6× φ19 |
| CBGD-80-6 | YB132M _i -6H YB160M-6H | YB132M _i -6H Y132M _i -6H YB160M-6H Y160M-6H | 620 | 166×4 | 696 | φ 742 | 16× φ12 | φ 776 |

| M ₁ | L ₁ | L ₂ | L ₄ | H ₁ | H ₃ | D ₃ | M ₄ | n ₄ × φ ₄ | L ₆ | L ₈ | M | K | H ₅ | L |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------------------------|----------------|----------------|------------|-----|----------------|------|
| M ₂ | M ₃ | L ₃ | L ₅ | h | H ₄ | D ₄ | M ₅ | n ₅ × φ ₅ | L ₇ | L ₉ | H | | | |
| 282 | 182 | 100 | 190 580 | 302 | 112 410 | φ190 | 190 340 | 2 × φ15 | 360 | 140 750 | 594 | φ12 | 788 | 719 |
| 310 | 344 | 175 | 120 500 | 191 | 90 410 | φ215 | 140 340 | 4 × φ15 | 575 | 100 750 | 680 | | | φ10 |
| | | | | | | | | | | | | | | |
| 310 | 200 | 110 | 200 660 | 334 | 132 450 | φ240 | 216 450 | 2 × φ15 | 395 | 140 846 | 658 | φ12 | 868 | 784 |
| 350 | 384 | 200 | 120 550 | 214 | 90 450 | φ265 | 140 450 | 4 × φ15 | 628 | 125 846 | 752 | | | φ10 |
| | | | | | | | | | | | | | | |
| 338 | 215 | 277 | 210 | 345 240 | 160 500 | φ240 | 254 450 | 2 × φ15 | 425 | 210 876 | 729 812 | φ15 | 967 | 930 |
| 338 | 215 | 125 | 130 | 370 240 | 100 500 | φ265 | 160 450 | 4 × φ15 | 658 | 140 876 | 729 837 | | | φ12 |
| 390 | 429 | 220 | 600 | | | | | | | | | | | |
| 367 | 240 | 140 | 160 670 | 400 | 100 540 | φ240 | 160 450 | 2 × φ15 | 470 | 140 921 | 792 | φ12 | 1045 | 797 |
| 416 | 456 | 240 | 120 620 | 260 | 90 540 | φ265 | 140 450 | 4 × φ15 | 703 | 125 921 | 905 | | | φ10 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 762 |
| 390 | 254 | 155 | 170 710 | 427 | 100 585 | φ260 | 160 600 | 2 × φ19 | 500 | 140 | 847 | φ12 | 1133 | 824 |
| 462 | 506 | 250 | 140 680 | 280 | 100 585 | φ300 | 160 600 | 4 × φ15 | 760 | 1044 | 975 | | | φ12 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | 824 |
| 465 | 290 | 190 | 280 930 | 507 | 160 675 | φ260 | 254 600 | 2 × φ19 | 571 | 210 1115 | 1007 | φ15 | 1312 | 1071 |
| 542 | 586 | 290 | 210 830 | 327 | 132 675 | φ300 | 216 600 | 4 × φ15 | 831 | 178 1115 | 1114 | | | φ12 |
| | | | | | | | | | | | | | | |
| 509 | 320 | 210 | 300 980 | 564 | 160 755 | φ260 | 254 600 | 2 × φ19 | 631 | 254 1175 | 1120 | φ15 | 1473 | 1171 |
| 590 | 644 | 320 | 240 930 | 370 | 132 755 | φ300 | 216 600 | 4 × φ15 | 891 | 178 1175 | 1282 | | | φ12 |
| | | | 300 980 | | 160 755 | | 254 600 | | | 210 1175 | | φ15 | | |





风机特性曲线图 Characteristic Curves
440V 60HZ



船用水力驱动防爆通风机 Marine Explosion-proof Fans With Water Driven

一、概述

CSZ、CSL型水力驱动防爆轴流风机。具有防爆等级高，耐腐蚀、抗摇摆、震动和冲击性强。整机结构简单、紧凑、重量轻操作简便，整机便携只需一人操作即可。用消防水直接驱动，不需另加动力设备。采用封闭轴承维护工作量少。适用范围广可在-35℃~250℃ 环境下驱动和输送易燃、易爆气体、蒸汽和有毒有害的危险性气体。

二、结构型式

CSZ型水力驱动防爆轴流风机由水轮机、机架、机壳、转动体和叶轮等组成。水轮机用耐腐蚀铜合金精密铸成。机壳用奥氏体不锈钢焊成，叶轮用高强度铝合金铸成。水轮机和转动体的密封采用机械密封和填料两层密封。机壳与叶轮间有黄铜制成的安全环整体为无火花结构。CSZ型风机有抽风和送风式结构，两者不能通用。

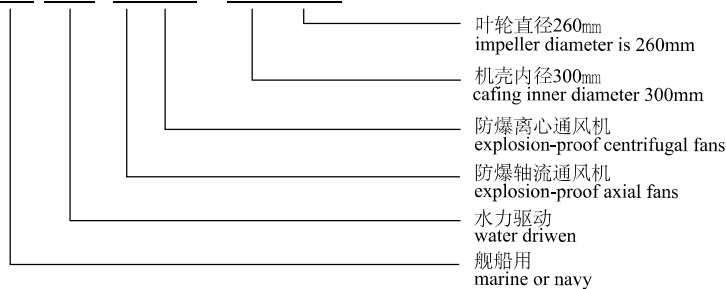
CSL型水力驱动防爆离心通风机由水轮机、机架、机壳、传动体和叶轮等组成。水涡轮用耐腐蚀铜合金精密铸造成型，机壳用奥氏体不锈钢焊成，叶轮用高强度铝合金铸成。整机结构为无火花结构。出风口角度抽风式为R90度，送风式为R225度，两者不能通用。

三、适用条件

IIB~IIC级T4~T6组爆炸性混合物气体的舱室和场所。
环境温度：-35℃~250℃
空气相对湿度：不大于95%
周期性摇摆22.5° - 45°（摇摆周期5-10S）
持续横倾：15°
持续纵倾：10°
振动：有
冲击：有

四、型号说明

C S Z (L) - 300 (260)



1.Fan general

CSZ series explosion-proof axial fan with water driven have high anti-hazard classification, sound anti-wobble, anti-vibration and anti-impact performance. The fan of simple structure. Low weight, simplicity of operation as well as its portability (normally only one operator of required) Driven directly by fire protection water, this ventilator depends on no other power With sealed bearings. it largely reduced the maintenance Job. With a wide applicability, this type of ventilator can work at -35℃~250℃, ideal for ducting flammable and explosive gases or steam as well as poisonous or other harmful gases.

2.Fan structure

CSZ Series ventilator fan is composed of waterturbine, frame, casing, rotor and impeller. The waterturbine is precisely cast of anti-corrosion copper alloy and the casing is welding of austenitic stainless steel. The impeller is cast of high strength aluminum alloy. The water turbine and the rotor adopt two degrees of sealing, contact sealing and padding. A safety brass ring is fitted between the casing and impeller, with the structure of no-spark design. CSZ ventilator fan serve either supply or exhaust fan, but they can't displace use.

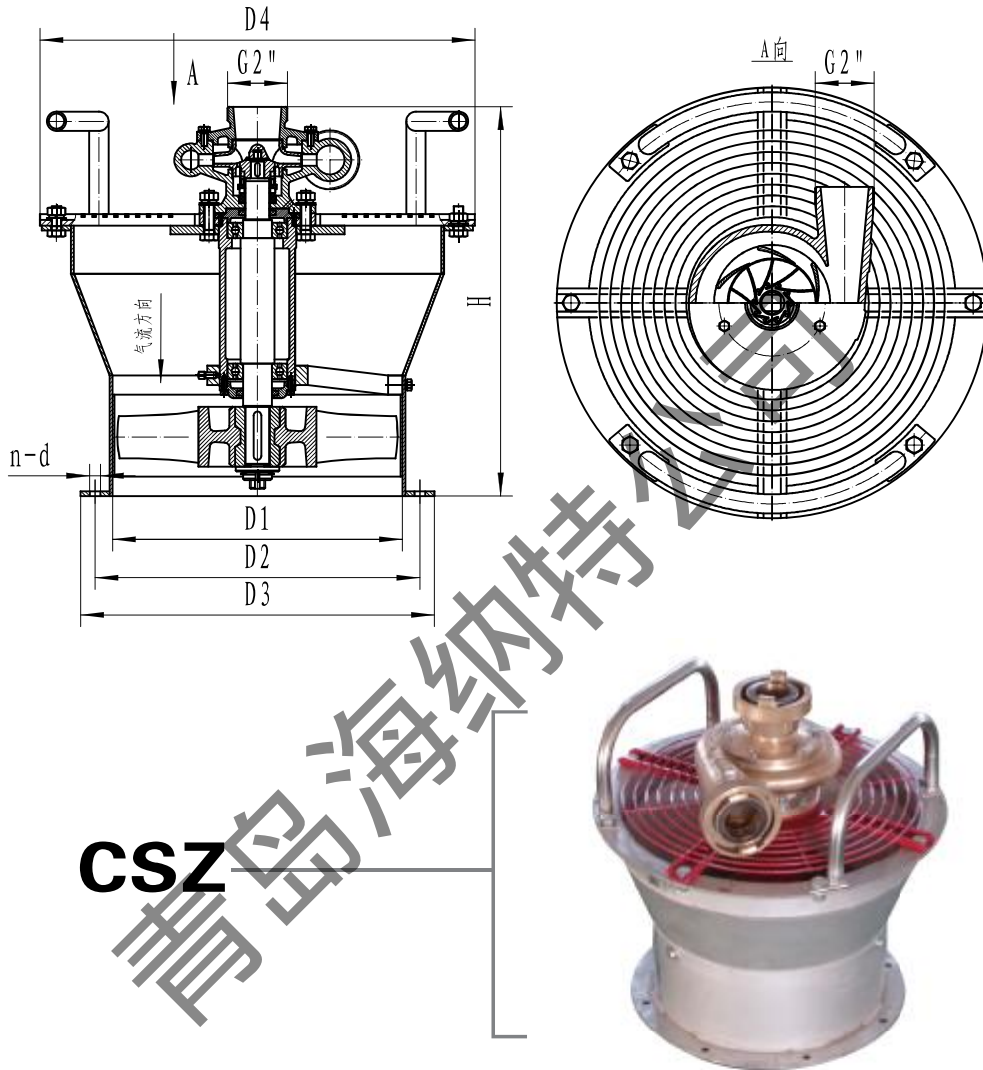
CSL ventilator fan is composed of water turbine, frame, casing, rotor, impeller, etc. The water turbine is precisely cast of anti-corrosion copper alloy, the casing is soldered of austenitic stainless steel and the impeller is cast of high strength aluminum alloy, with the whole structure of no-spark design. The angles for air-outlet are R90° for air supply and R225° for air exhaust. As a result, this type of ventilator can't change the model.

3.Fan applicable conditions

for places where there are explosive grade IIB and IIC and group from T4 to T6.
ambient temperatures: -35℃~250℃
relative humidity of the air: ≤95%
cyclical vacillation: 22.5° - 45° (vacillation cycle 5 - 10S)
Sustained horizontal tilting: 15°
sustained vertical tilting: 10°
vibration: existence
shock: existence

4.Model explanation

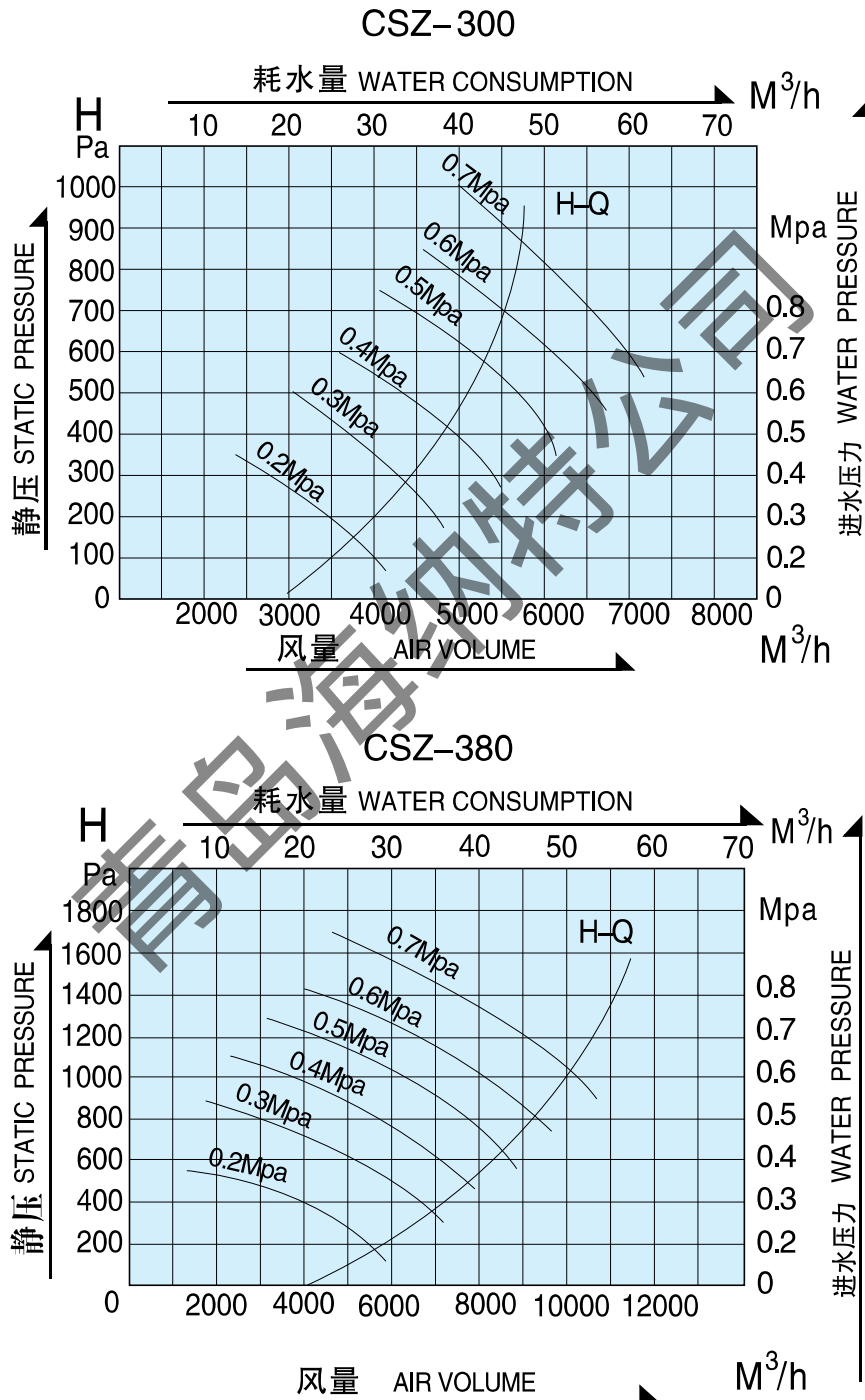
主要性能参数及外形安装尺寸
 Main Property Parameters and Outline Dimensions



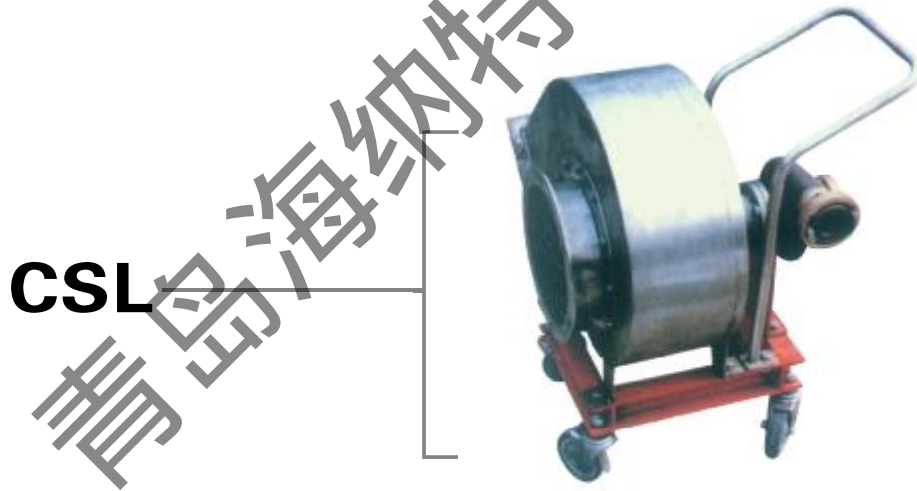
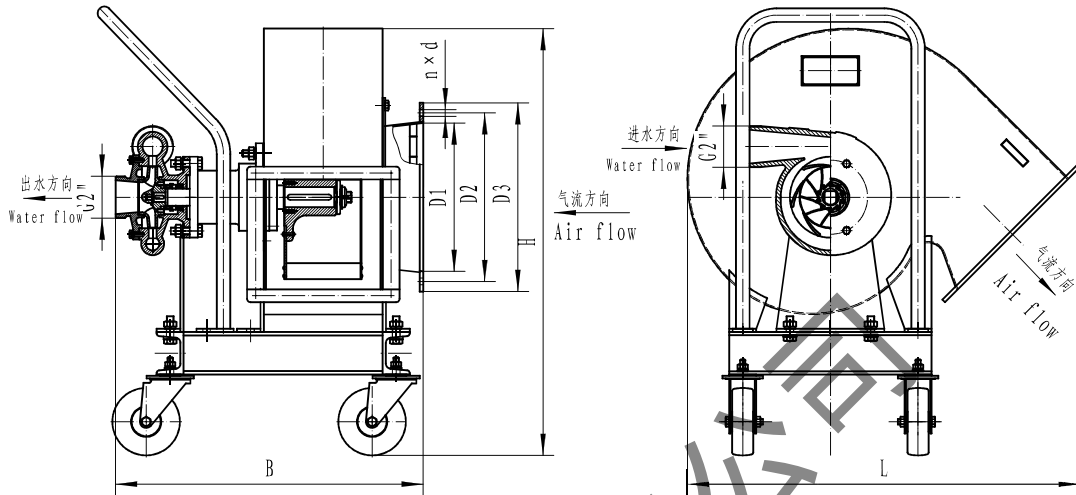
| 型号 type | 流量 flow rate m ³ /h | 静压 static pressure pa | 进水压力 water pressure MPa | 耗水量 water consumption m ³ /h | D1 | D2 | D3 | D4 | H | n-d | 重量 weight ≈kg |
|------------|--------------------------------------|--------------------------------|----------------------------------|--|------|------|------|------|-----|-------|---------------------|
| CSZ-300 | 3000-6000 | 260-820 | 0.2-0.7 | 25-43 | φ300 | φ336 | φ366 | φ446 | 404 | 8-φ11 | 28 |
| CSZ-380 | 4000-10000 | 380-1020 | 0.2-0.7 | 28-53 | φ380 | φ416 | φ446 | φ546 | 404 | 8-φ11 | 33 |

CSZ风机性能曲线图

CSZ Characteristic curves



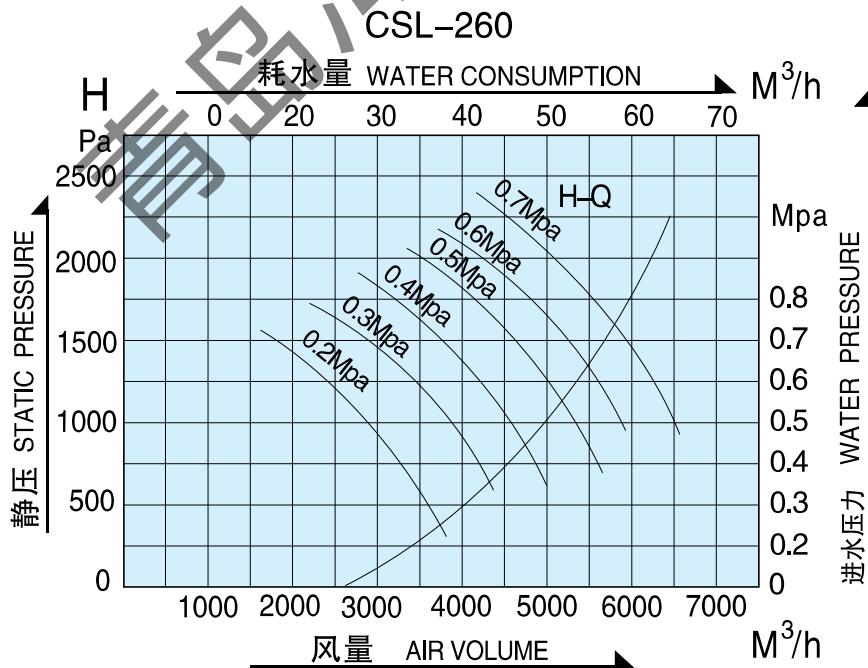
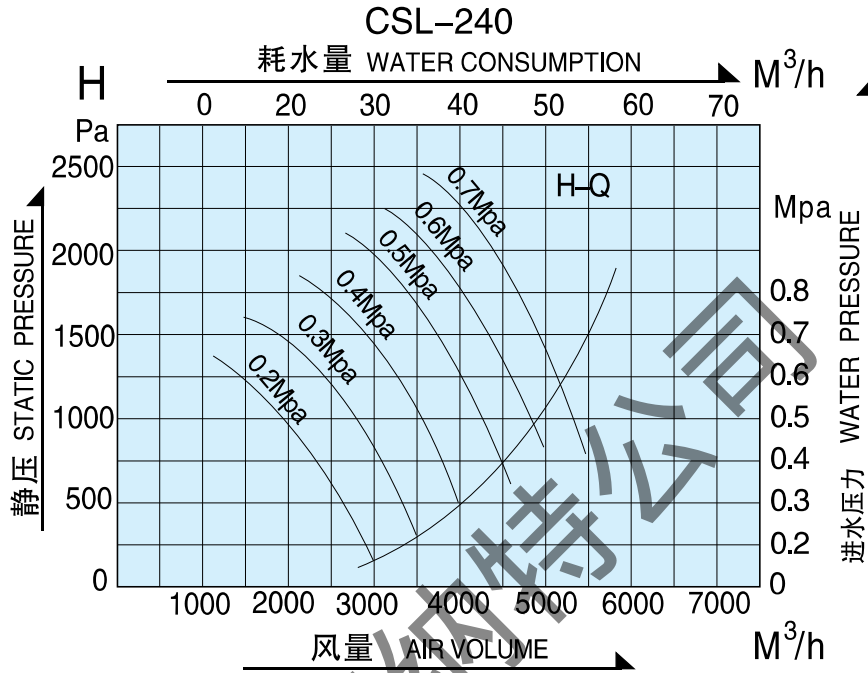
主要性能参数及外形安装尺寸 Main Property Parameters and Outline Dimensions



| 型号 type | 流量 flow rate m ³ /h | 静压 static pressure pa | 进水压力 water pressure MPa | 耗水量 water consumption m ³ /h | D1 | D2 | D3 | L | B | H | n×d | 重量 weight ≈kg |
|------------|--------------------------------------|--------------------------------|----------------------------------|--|------|------|------|-----|-----|-----|-------|---------------------|
| CSL-240 | 2000-5000 | 920-1500 | 0.2-0.7 | 34-56 | φ220 | φ250 | φ280 | 585 | 470 | 455 | 6-φ10 | 55 |
| CSL-260 | 3000-6000 | 1000-1500 | 0.2-0.7 | 34-56 | φ220 | φ250 | φ280 | 646 | 470 | 490 | 6-φ10 | 60 |

CSL风机性能曲线图

CSL Characteristic curves



船用菌型通风筒 Fungus-shaped Ventilated Canister For Marine Use

1. 适用范围及用途

船用菌形通风筒(以下简称通风筒)适应于安装在各类船舶露天甲板的自然通风和机械通风装置上作通风之用。

2. 适用标准

通风筒的制造、试验和验收的技术条件符合 GB/T295 - 2000《船用菌形通风筒》。

3. 分类

通风筒的型式、名称及规格范围见下表：

1. Using range & purpose

It can be fixed on the natural and machanical ventilate devices on the hypaethral decks of all sorts of ships for ventilation.

2. Operation Standards

Technical conditions of ventilators' manufacture, experiment and check - accept accord with GB/T295 - 2000《Fungus - shaped ventilated canister For Marine Use》.

3. Sort

Ventilated canister's types, names and sizes

| 型式 Type | 名 称 NAME | 公称通径 Nominal dia DN(mm) |
|------------|--|-------------------------------|
| A | 内部启闭风帽通风筒 Inside on - off Hood ventilator | 150~350 |
| B | 外部启闭风雨密盖通风筒 Outer on - off obturation ventilator | 250~1200 |
| C | 外部启闭风雨密盖、带轴流风机通风筒 Outer on - off obturation axial flow ventilator | 150~1600 |
| D | 固定式通风筒 Fixed ventilated canister | 200~1200 |
| E | 内部启闭风雨密盖通风筒 Inside on - off obturation ventilator | 150~350 |
| F | 外部侧面启闭风雨密盖通风筒 Outer side on - off obturation ventilator | 150~900 |

4. 特点

以上各类通风筒具有结构合理、启闭方便、外型美观、规格齐全、通风效果好,风雨密封性可靠等特点,可满足造船业的广泛需求。

5. 标记

公称通径 DN = 500mm 的 C 型通风筒,标记为:通风筒 C500 CB/T295 - 2000

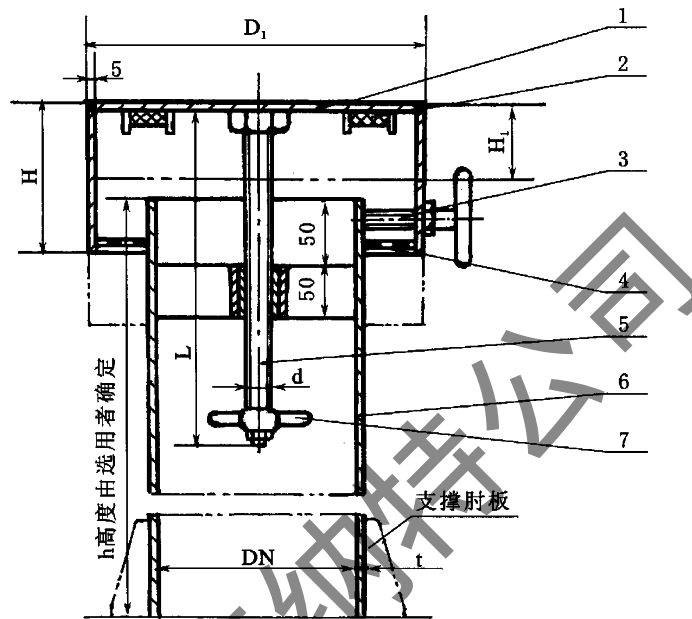
4. Features

Au types of ventilated canisters above have the following features reasonable structure convenient on - off, beautiful shapes, au ready types, good aeration, reliable obturation They can satisfy the wide needs of the shipping industry.

5. Marks

The mark of the ventilated cansiter cohose DN = 500 ventilated cansiter C500 CB/T295 - 2000.

A型-内部启闭风帽通风筒
Type A Inside on-off Hood Ventilator



1. 风帽 Hood 2. 密封填料 airproof filling 3. 制动螺针 triggng helix
4. 防鼠、防虫网(或防火网) The net for miceproofing(wormproofing fireproofing)
5. 螺杆 screw 6. 风筒 Ventilator 7. 手轮 handwheel

| 公称通径 Nominal dia DN | D_1 | H | H_1 | d | L | t | 重量 weight ≈kg |
|---------------------------|-------|-----|-------|-----|-----|---|---------------------|
| 150 | 250 | 100 | 40 | M22 | 250 | 8 | 11 |
| 200 | 320 | 110 | 50 | M24 | | | |
| 250 | 390 | 125 | 65 | | 300 | 9 | 16 |
| 300 | 470 | 135 | 75 | | | | |
| 350 | 540 | 150 | 90 | M30 | 350 | 9 | 27 |

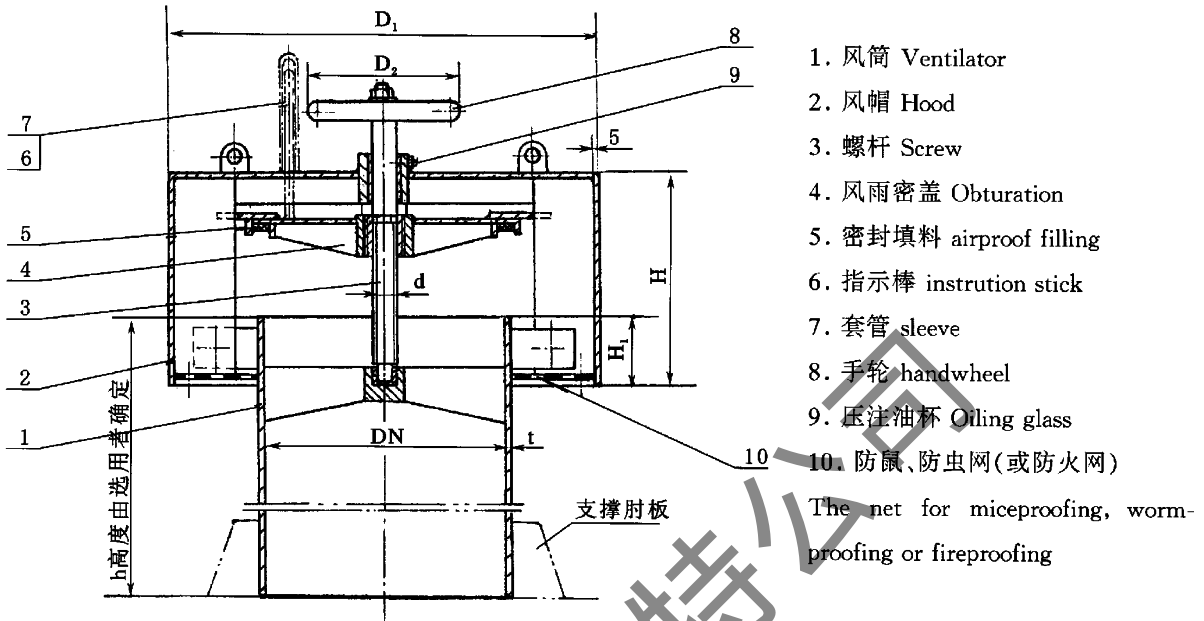
注:1. 通风筒重量不包括“序号6”风筒的重量

The weight of ventilator doesn't include the weight of type - 6

2. 风筒高度 h 距甲板大于 900mm 时, 应加装支撑肘板

Please fix supporting board when the distance between ventilator height(h) and the deck is more than 900mm.

B型-外部启闭风雨密盖通风筒
Type B Outer on-off obturation Ventilator



| 公称通径 Nominal dia DN | D ₁ | D ₂ | H | H ₁ | d | t | 重量 weight ≈kg | 备注 |
|---------------------------|----------------|----------------|-----|----------------|-----------|----|---------------------|----|
| 250 | 440 | 200 | 245 | 90 | Tr24×5-LH | 9 | 52 | |
| 300 | 530 | | 265 | | | | 65 | |
| 350 | 620 | | 310 | | | | 81 | |
| 400 | 710 | 280 | 345 | 105 | Tr30×6-LH | 10 | 98 | |
| 450 | 800 | | 375 | | | | 124 | |
| 500 | 890 | | 405 | | | | 148 | |
| 550 | 980 | 320 | 435 | 120 | Tr40×7-LH | 10 | 167 | |
| 600 | 1050 | | 470 | | | | 171 | |
| 650 | 1160 | | 500 | | | | 210 | |
| 700 | 1240 | 360 | 520 | 140 | Tr46×8-LH | 10 | 225 | |
| 750 | 1320 | | 540 | | | | 259 | |
| 800 | 1410 | | 560 | | | | 291 | |
| 850 | 1500 | 360 | 580 | 140 | Tr46×8-LH | 10 | 322 | |
| 900 | 1580 | | 600 | | | | 357 | |
| 950 | 1670 | | 620 | | | | 387 | |
| 1000 | 1760 | 360 | 640 | 140 | Tr46×8-LH | 10 | 420 | |
| 1100 | 1930 | | 680 | | | | 515 | |
| 1200 | 2100 | | 720 | | | | 585 | |

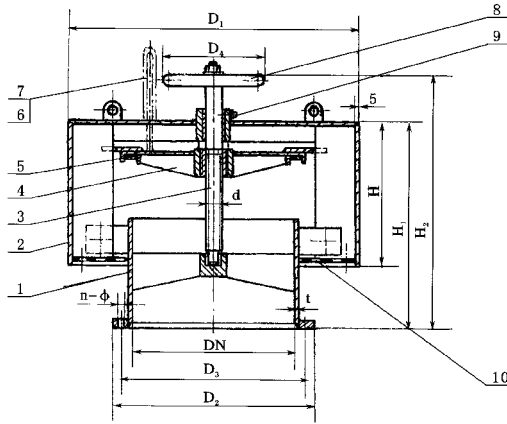
注: 1. 通风筒重量不包括“序号1”风筒的重量

The weight of ventilator doesn't include the weight of type-1

2. 风筒高度 h 距甲板大于900mm 时, 应加装支撑肘板

Please fix supporting board when the distance between ventilator of height(h) and the deck is more than 900mm

C 型-外部启闭风雨密盖、带轴流风机通风筒
Type C Inside on-off obturation axial flow ventilator



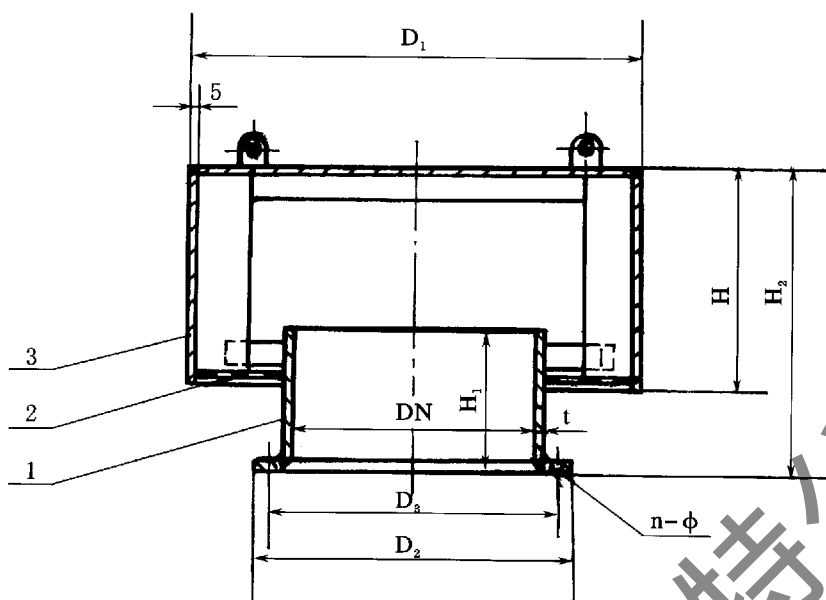
1. 风筒 Ventilator
2. 风帽 Hood
3. 螺杆 Screw
4. 风雨密盖 Obturation
5. 密封填料 airproof filling
6. 指示棒 instruction stick
7. 套管 sleeve
8. 手轮 handwheel
9. 压注油杯 Oiling glass
10. 防鼠、防虫网(或防火网)
The net for micproofing, worm-proofing or fireproofing

| 公称通径 Nominal dia DN | D ₁ | D ₄ | H | H ₁ | H ₂ | d | t | 法兰尺寸 Flange Dimensions | | | 重量 weight ≈kg | | |
|---------------------------|----------------|----------------|-----|----------------|----------------|-----------|-----------|---------------------------|----------------|--------|---------------------|--------|--------|
| | | | | | | | | D ₂ | D ₃ | n-φ | | | |
| 150 | 260 | 150 | 190 | 315 | 395 | Tr24×5-LH | 6 | 214 | 190 | 8-φ10 | 45 | | |
| 200 | 370 | | 210 | 335 | 415 | | | 264 | 240 | | 50 | | |
| 250 | 440 | | 245 | 365 | 447 | | | 314 | 290 | | 62 | | |
| 260 | 460 | 200 | 245 | 365/475 | 447/557 | | | 330 | 305 | 12-φ9 | 68 | | |
| 280 | 480 | | 250 | 370/470 | 452/552 | | | 350 | 320 | | 72 | | |
| 300 | 530 | | 265 | 385 | 467 | | | 375 | 345 | 8-φ12 | 77 | | |
| 320 | 570 | | 290 | 410/520 | 490/600 | | | 390 | 360 | | 89 | | |
| 350 | 620 | 280 | 310 | 430 | 512 | | | Tr30×6-LH | 8 | 425 | 395 | 12-φ12 | 96 |
| 400 | 710 | | 345 | 470 | 566 | | | | | 475 | 445 | | 118 |
| 420 | 710 | | 345 | 720 | 816 | | | | | 490 | 460 | 12-φ9 | 150 |
| 440 | 780 | | 345 | 720 | 816 | 510 | 480 | | | 165 | | | |
| 450 | 800 | | 375 | 500 | 596 | 545 | 510 | | | 12-φ12 | 147 | | |
| 500 | 890 | | 320 | 405 | 530 | 639 | Tr40×7-LH | | | 8 | 595 | 560 | 12-φ15 |
| 550 | 980 | 435 | | 560 | 669 | 645 | | 610 | 207 | | | | |
| 600 | 1050 | 470 | | 620 | 729 | 695 | | 660 | 223 | | | | |
| 640 | 1140 | 495 | | 1005 | 1114 | 732 | | 700 | 12-φ11 | | 280 | | |
| 650 | 1160 | 500 | | 650 | 759 | 745 | | 710 | 12-φ15 | | 249 | | |
| 700 | 1240 | 520 | | 670 | 779 | 795 | | 760 | 16-φ15 | | 274 | | |
| 750 | 1320 | 540 | | 690 | 799 | 860 | | 820 | 16-φ19 | | 309 | | |
| 780 | 1370 | 540 | | 1140 | 1249 | 870 | | 836 | 12-φ11 | | 380 | | |
| 800 | 1410 | 560 | | 740 | 849 | 910 | | 870 | 16-φ19 | | 359 | | |
| 850 | 1500 | 580 | | 760 | 869 | 960 | | 920 | | | 408 | | |
| 900 | 1580 | 600 | 780 | 900 | 1010 | 970 | 434 | | | | | | |
| 950 | 1670 | 360 | 620 | 800 | 920 | Tr46×8-LH | 8 | 1060 | 1020 | 20-φ19 | 453 | | |
| 1000 | 1760 | | 640 | 820 | 940 | | | 1110 | 1070 | | 530 | | |
| 1100 | 1930 | | 680 | 860 | 980 | | | 1210 | 1170 | 601 | | | |
| 1200 | 2100 | | 720 | 900 | 1020 | | | 1330 | 1280 | 20-φ24 | 689 | | |
| 1400 | 2350 | | 760 | 940 | 1160 | | | 1530 | 1480 | 24-φ24 | 780 | | |
| 1600 | 2450 | | 800 | 1100 | 1220 | | | 1730 | 1680 | | 890 | | |

注:法兰与轴流风机法兰尺寸相同。

Note: The sizes of flange and axial flange are equal.

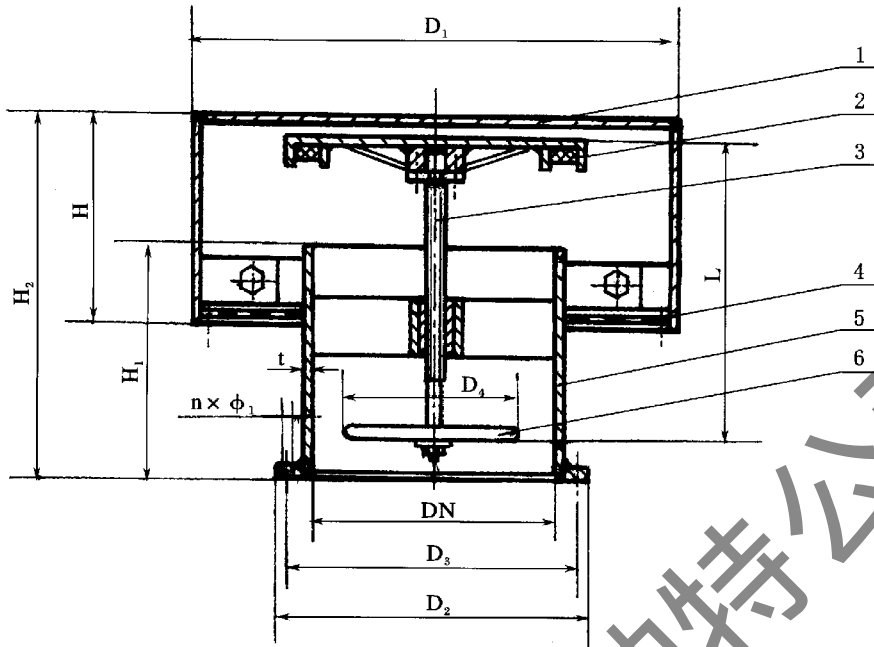
D型-固定式通风筒
Type D ventilator canister



1. 风筒 Ventilator
2. 防鼠、防虫网(或防火网)
The net for miceproofing, worm-proofing or fireproofing
3. 风帽 Hood

| 公称通径 Nominal dia DN | D ₁ | H | H ₁ | H ₂ | t | 法兰尺寸 Flange Dimensions | | | 重量 weight ≈kg | 备注 | |
|---------------------------|----------------|-----|----------------|----------------|------|---------------------------|----------------|--------|---------------------|-----|--|
| | | | | | | D ₂ | D ₃ | n-φ | | | |
| 200 | 360 | 190 | 195 | 290 | 6 | 264 | 240 | 8-φ10 | 38 | | |
| 250 | 440 | 220 | 195 | 320 | | 314 | 290 | | 42 | | |
| 300 | 530 | 265 | 195 | 365 | | 375 | 345 | 8-φ12 | 52 | | |
| 350 | 620 | 310 | 205 | 410 | | 425 | 395 | | 65 | | |
| 400 | 710 | 345 | 205 | 445 | | 475 | 445 | 12-φ12 | 81 | | |
| 450 | 800 | 375 | 205 | 475 | | 545 | 510 | | 99 | | |
| 500 | 890 | 405 | 205 | 505 | 8 | 595 | 560 | 12-φ15 | 122 | | |
| 550 | 980 | 435 | 205 | 535 | | 645 | 610 | | 147 | | |
| 600 | 1050 | 470 | 220 | 570 | | 695 | 660 | | 169 | | |
| 650 | 1160 | 500 | 220 | 600 | | 745 | 710 | | 194 | | |
| 700 | 1240 | 520 | 220 | 620 | | 795 | 760 | | 16-φ15 | 218 | |
| 750 | 1320 | 540 | 220 | 640 | | 860 | 820 | | 16-φ19 | 233 | |
| 800 | 1410 | 560 | 240 | 660 | | 910 | 870 | 299 | | | |
| 850 | 1500 | 580 | 240 | 680 | | 960 | 920 | 305 | | | |
| 900 | 1580 | 600 | 240 | 700 | | 1010 | 970 | 334 | | | |
| 950 | 1670 | 620 | 240 | 720 | | 1060 | 1020 | 358 | | | |
| 1000 | 1760 | 640 | 240 | 740 | | 1110 | 1070 | 20-φ19 | | 402 | |
| 1100 | 1930 | 680 | 240 | 780 | | 1210 | 1170 | | 496 | | |
| 1200 | 2100 | 720 | 240 | 820 | 1330 | 1280 | 592 | | | | |
| | | | | | | | 20-φ24 | | | | |

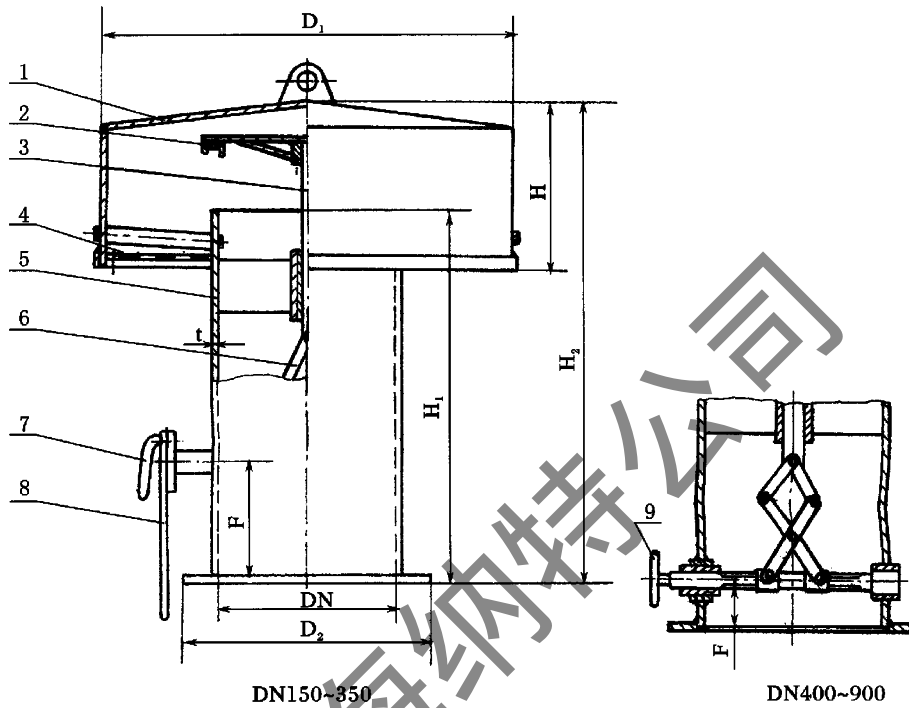
E 型-内部启闭风雨密盖通风筒
Type E Inside on-off obturation ventilator



1. 风帽 Hood
2. 风雨密盖 Obturation
3. 螺杆 Screw
4. 防鼠、防虫网(或防火网)
The net for miceproofing,
wormproofing or fireproofing
5. 风筒 Ventilator
6. 手轮 handwheel

| 公称通径 Nominal dia DN | D ₁ | H | H ₁ | H ₂ | d | L | t | 法兰尺寸 Flange Dimensions | | | D ₄ | 升程 Lift mm | 备注 |
|---------------------------|----------------|-----|----------------|----------------|--------|-----|---|---------------------------|----------------|-------|----------------|------------------|----|
| | | | | | | | | D ₂ | D ₃ | n×φ | | | |
| 150 | 270 | 155 | 195 | 275 | Tr20×4 | 235 | 6 | 214 | 190 | 8-φ10 | 100 | 55 | |
| 200 | 360 | 175 | 195 | 295 | | 250 | | 264 | 240 | | 140 | 75 | |
| 250 | 440 | 205 | 210 | 325 | Tr24×5 | 280 | | 314 | 290 | 8-φ12 | 160 | 90 | |
| 300 | 530 | 225 | 210 | 345 | | 300 | | 375 | 345 | | 160 | 110 | |
| 350 | 620 | 250 | 210 | 370 | Tr30×6 | 330 | | 425 | 395 | 200 | 135 | | |

F 型-外部侧面启闭风雨密盖通风筒
Type F Outer on-off obturation ventilator



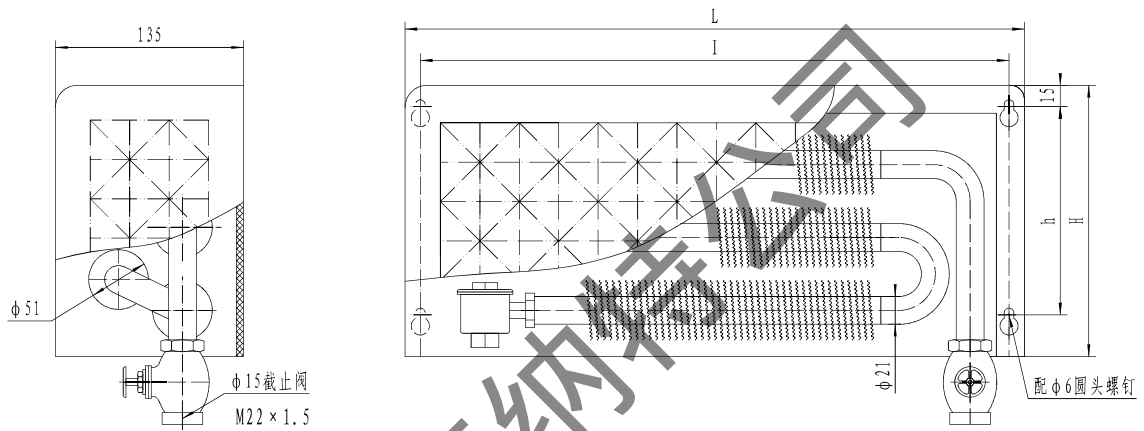
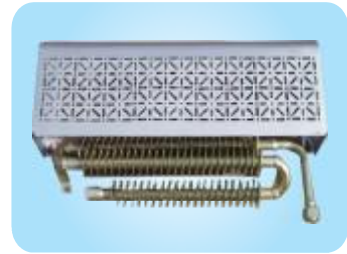
1. 风帽 Hood 2. 风雨密盖 Obturation 3. 导向杆 Oriented pole
4. 防鼠、防虫网 (或防火网) The net for miceproofing, wormproofing of fireproofing
5. 风筒 Ventilator 6. 支架 Pland 7. 定位手柄 Orientation handle 8. 手柄 handle 9. 手轮 handwheel

| 公称通径 Nominal dia DN | D ₁ | D ₂ | H | H ₁ | H ₂ | F | t | 重量 weight ≈kg | 备注 |
|---------------------------|----------------|----------------|-----|----------------|----------------|-----|---|---------------------|----|
| 150 | 360 | 214 | 200 | 600 | 700 | 170 | 6 | 40 | |
| 200 | 460 | 264 | 210 | 600 | 710 | 170 | 6 | 45 | |
| 250 | 530 | 314 | 240 | 600 | 740 | 170 | 6 | 50 | |
| 300 | 640 | 375 | 270 | 600 | 770 | 170 | 6 | 60 | |
| 350 | 760 | 425 | 305 | 700 | 905 | 220 | 6 | 70 | |
| 400 | 850 | 475 | 360 | 700 | 960 | 220 | 8 | 80 | |
| 500 | 980 | 595 | 420 | 1000 | 1320 | 220 | 8 | 180 | |
| 600 | 1100 | 695 | 480 | 1000 | 1380 | 220 | 8 | 275 | |
| 700 | 1280 | 795 | 640 | 1250 | 1790 | 220 | 8 | 350 | |
| 750 | 1350 | 860 | 680 | 1250 | 1830 | 220 | 8 | 375 | |
| 800 | 1440 | 910 | 710 | 1250 | 1860 | 220 | 8 | 400 | |
| 900 | 1670 | 1010 | 830 | 1250 | 1980 | 220 | 8 | 465 | |

钢质蒸汽散热器 (CB/T611-2001)
Steel steam raditor

性能参数

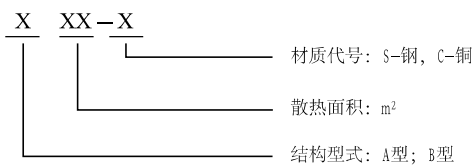
| 结构形式 | 规格 | | | | |
|------|-----|-----|-----|-----|-----|
| A型 | 0.8 | 1.2 | 1.5 | 2.0 | |
| B型 | 0.5 | 0.8 | 1.2 | 1.5 | 2.0 |



外形尺寸 (mm)

| 散热面积 m ² | A 型 | | | | | | B 型 | | | | | |
|------------------------|-----|-----|-----|-----|-----------|-------|------|------|-----|-----|-----------|-------|
| | L | H | h | l | 重量 ≈kg | | L | l | H | h | 重量 ≈kg | |
| | | | | | 铜 | 钢 | | | | | 铜 | 钢 |
| 0.5 | / | / | / | / | / | / | 455 | 423 | 195 | 150 | 7.10 | 6.46 |
| 0.8 | 445 | 270 | 185 | 423 | 9.95 | 8.92 | 575 | 553 | | | 8.96 | 8.03 |
| 1.2 | 445 | 355 | 270 | 423 | 13.14 | 11.78 | 775 | 753 | | | 11.80 | 10.56 |
| 1.5 | 530 | 355 | 270 | 508 | 15.35 | 13.76 | 955 | 933 | | | 14.17 | 12.70 |
| 2.0 | 530 | 440 | 360 | 508 | 19.10 | 17.1 | 1225 | 1203 | | | 18.20 | 16.27 |

型号组成



订货须知 | Notes to purchasers

- 1、订货时请详细注明通风机型号、结构型式、流量、压力、转速、防护等级、绝缘等级、防爆等级电动机型号和功率等。
- 2、单机成套供应范围：总装在一起的通风机一台（包括配套的隔爆型电动机一台）。
- 3、工厂不供应备用叶轮，用户需要可在订货时注明。
- 4、工厂按各船级社规范和有关标准配备备件工具。

1. Please give clear indication of the ventilator's model, structure type, volume, pressure, speed, protection class, insulation class, explosion-proof class, motor model and its power when placing an order with us.
2. Supply range of a complete set: one set of assembled ventilator including one set of motor.
3. No spare impeller is supplied. if necessary, shall be clarified with the order.
4. The tools are spared according to the relevant norms and standards of ship classification societies on different class.

注意事项 | Cautions

1. 输送混合性气体中的硬质颗粒物。不允许多于150mg/m，直径不允许大于2mm。
2. 在吸风管上要装设保护用黄铜网，以防止静电火花和其它物件的吸入，保证防爆通风机的安全。
3. 外接电缆进入接线盒固定时，接线盒本身及其引入装置和电缆间必须严格密封，不允许有雨水渗入接线盒内。
4. 电缆必须接地。
5. 通风机与风管连接时，不应存在由于硬性连接而产生机壳歪斜。



1. The hard particulate matter in the gaseous mixture is not allowed to be more than 150mg/m, and its average diameter can't be greater than 2 mm.
2. A protective brass net shall be fixed on the drawing tube in order to prevent static sparks and other things from being drawn in so as to keep the machine safe.
3. When a power cable is inserted in the junction box and fixed there, the junction box itself and its approaching device must be sealed hermetically with the cable, and no permeation of rainwater into the junction box is allowable.
4. The cable must be connected with the ground.
5. When the ventilator is connected with the wind pipe, tilting of the housing due to hard connection shall not be present.