

SYT 系列离心式空调风机

Centrifugal Ventilators

概述

Summary

浙江亿利达风机股份有限公司特此证明，此处所示 SYT 系列离心风机获得了加盖 AMCA 印章的授权。所示额定值系根据 AMCA 出版物 211 和 AMCA 出版物 311 所进行测试和程序确定，并符合 AMCA 认证额定值计划的要求。

这里描述的所有离心风机都已经取得了 AMCA 印章，其认证数据见第 034 页到 045 页。

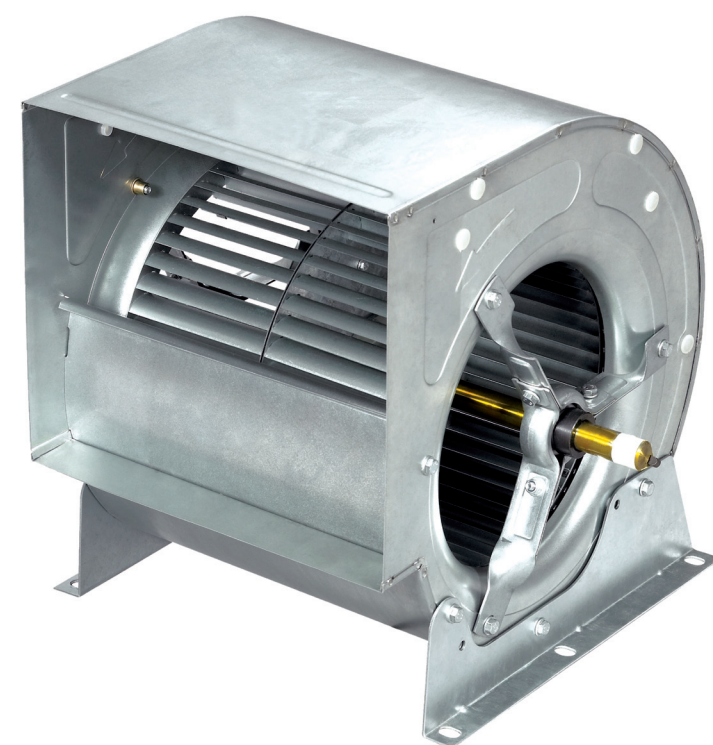
Zhejiang Yilida Ventilator Co.,Ltd.certifies that the SYT Series fans shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

All the Centrifugal Fans described herein are licensed to bear the AMCA Seal, and their certified ratings are shown on pages 034through 045.



SYT 系列离心式空调风机采用国际同类产品先进技术自行开发生产，通过了 AMCA 国际认证并取得 AMCA 印章。该样本中列出的 12 种规格风机，流量范围从 1000m³/h-40000 m³/h。SYT 系列风机采用前向多翼叶轮，具有通用性强、效率高、噪声低、耗能少等特点。是各类中央空调机组及其他暖通空调、净化、通风等设备理想的配套产品。

The SYT Series of centrifugal air conditioning fans was developed with advanced technologies. They are licensed to bear the AMCA Seal for air performance, sound, and FEG. The SYT Series includes 12 models as described in this catalogue. The volume flow of the SYT Series ranges from 1,000 m³/h to 40,000 m³/h. Some of the features and characteristics of these fans are: forward Wheel blades, a wide range of applications, high efficiency, low noise, and low power consumption. These fans are ideal for use in central air-conditioning systems, in purifiers. They are also suitable for use in a variety of other ventilation applications.



命名方式

Nomenclature



产品型式

Product Features

1. 旋向

SYT 系列风机可分为左旋(LG)和右旋(RD)两种旋转方式，从风机皮带轮一段正视，叶轮顺时针旋转的称为右旋风机，逆时针旋转的称为左旋风机。

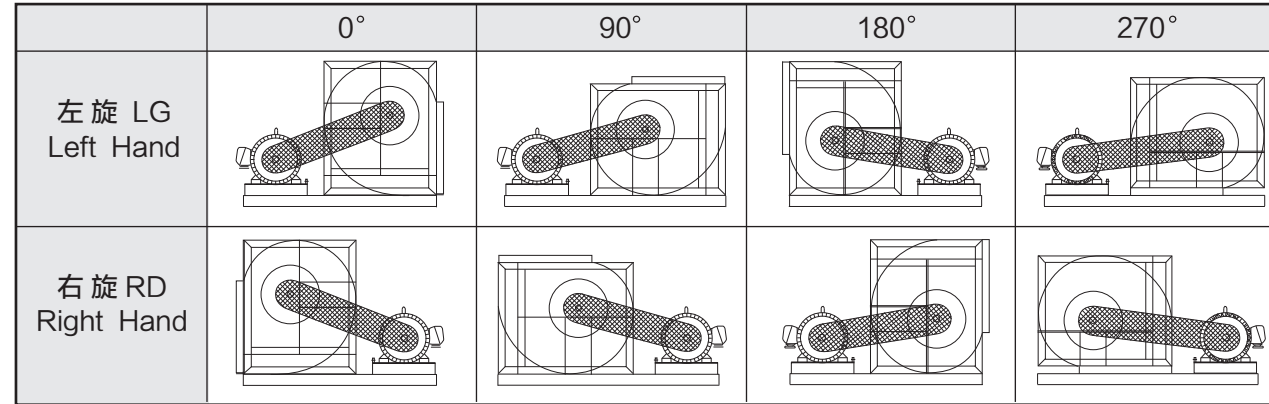
1. Rotation

SYT series fans have two direction of rotations, left-hand rotation (LG) and right-hand rotation (RD); Viewing from drive side, if the Wheel rotates clockwise, it is left hand (LG) rotation. If the Wheel rotates counter clockwise, it is right-hand (RD).

## 2. 出风口方向

SYT 系列出风口可按图 1 所示制成 0°、90°、180°、270° 四种出风方向。

图1(Fig 1)



## 2. Discharge Direction

As shown in Fig1, SYT Series fans can be constructed in four discharge directions: 0°, 90°, 180°, and 270°.

## 3. 结构形式

SYT 系列风机可按图 2 所示制成 L 型、LK、R 型、RK 型、L2 型、R2 型。

图2(Fig 2)

风机类型 Fan Type	机号 Fan Size	风机示意图 Fan Diagram	轴承实物图 Bearing Type
L、LK 型 TYPE L, LK	7-18in		
R、RK 型 TYPE R, RK	7-18in		
K 型 TYPE K	20-30in		
L2 型 TYPE L2	7-18in		
R2 型 TYPE R2	7-18in		

## 3. type of Construction

As shown in Fig 2, SYT series fans can be divided into category L, R, K, category R2, K2.

## 产品结构

SYT 系列风机主要由机壳、叶轮、框架、轴承、及轴构成。出口法兰(为可选件)。

### 1. 机壳

机壳采用热镀锌钢板制造，侧板具有符合空气动力的外形，进风口整体拉伸成型，蜗板采用点焊或“Pittsburg seam locking”的连接方式与侧板连成一体。

### 2. 叶轮

前向多翼叶轮采用优质热镀锌钢板制成，叶片设计成符合空气动力学的特定形状，使得效率最高，噪声最低。叶片用铆爪固定在中盘及端圈上，在最大功率连续运转时，叶轮将具备足够的刚度。所有叶轮进行静平衡和动平衡测试，内控精度达到 G2.5 级 (ANSI/AMCA 204-05)。

### 3. 框架

L、R 型风机框架采用热镀锌钢板剪切、折弯制成，TOX 连接保证了所需的尺寸精度和应有的刚度；K 型风机框架由角钢和扁钢冷弯焊接制成，轴承安装位进行对称铣平面加工，表面喷塑处理，以保证足够的刚度和强度，同时保证安装轴和轴承的同轴度。

### 4. 轴承

SYT 系列风机均采用优质滚珠轴承，并根据噪声最低来选择，该轴承设有加润滑油的孔，已预先加润滑油并自动对中；L/R 型风机的轴承安装在轴承支架上，并设有防振垫圈；K 型风机则采用带座向心球轴承。轴承寿命为  $L_{10} \geq 100000$  小时。

### 5. 轴

风机轴采用 40Cr 低合金钢，经车、调质热处理、磨削制成，强度高，挠度小，严格控制轴径尺寸公差及形位公差，每根轴均经过涂覆防锈处理。轴尺寸设计应满足第一临界转速至少为风机最大运行转速的 1.4 倍。

### 6. 出风口法兰

法兰采用热镀锌钢板制成，法兰与蜗壳的连接采用 TOX 免焊工艺，外观精美，并具备足够的刚度与强度。

## Construction of Product

SYT series fans are mainly constructed of housing, Wheel, frame, bearing and shaft. Outlet flange (is optional).

### 1. Housing

The housing is made of hot galvanized steel sheet. The side plates include inlet cones that are designed with the best aerodynamics for inlet condition. The scroll is fixed to the side plates by spot welding or "Pittsburg seam locking."

### 2. Wheel

Forward curved Wheel is constructed of high-grade hot galvanized steel sheet with the advanced aerodynamics profile to achieve the highest efficiency and the lowest noise level. The Wheel is fixed on the center plate and on the end ring with riveting grip pres. The Wheel is constructed with maximum strength that endures the continuous operation with maximum power. All Wheels are balanced to ANSI/AMCA Standard 204-05. Yilida's internal standard is G2.5 or higher for wheel balancing.

### 3. Frame

The frames for type R and type L constructions are made of galvanized steel angle iron bars. The cutting and bending of the frame parts, as well as the TOX connections, are formed with the use of toolings to ensure the high accuracy and the rigidity of the frames; The frames for K constructions are welded by angle steel and flat steel, and finished with polyester coating in order to ensure sufficient rigidity and strength. The bearing supports are machined to ensure proper installation and alignments of the bearings.

### 4. Bearings

Ball bearings are used in all of the SYT Series fans. They are high quality bearings and they are selected to minimize the noise levels. The bearings are pre-lubricated, sealed, and self-centering. For type R and L fans, the bearings are mounted using vibration resistant washers. For type K fans bearing are supplied with lubrication fittings. Bearing service life for L10  $\geq 100000$  hours.

### 5. Shaft

The shafts are made of 40 Cr carbon steel bars. The shafts are rough machined and then stress relieved with heat treatment before final machining. The shaft diameters are machined to very accurate tolerance levels, and they are fully checked to ensure precision fit. Each shaft is made turned, ground and polished. They are coated after assembly to provide corrosion resistance. Shaft size should be designed to meet the first critical speed of at least fan maximum running speed 1.4 times.

### 6. Outlet Flange

The outlet flange is made of galvanized steel. The connections of the flange components to the scroll are made using a TOX non-welding process. This maintains a good flange appearance while also providing sufficient strength and rigidity.

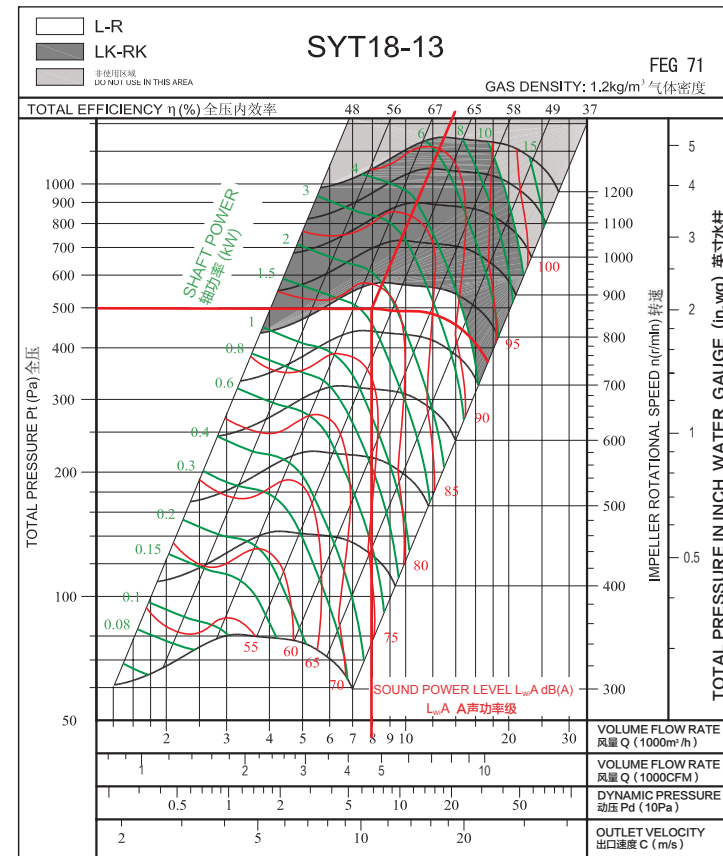
风机性能

Performance Chart

1. 风机选型示意图例

型号 Type	SYT18-13R
风量 Volume	$q_v=8000\text{m}^3/\text{h}$
全压 Total Pressure	$P_{TF}=500\text{Pa}$
动压 Dynamic Pressure	$P_{DF}=70\text{Pa}$
出口速度 Outlet Velocity	$C=10.81\text{m/s}$
风机转速 Fan Speed	$n=761\text{r/min}$
轴功率 Shaft Power	$P_{sh}=1.63\text{kW}$
A声功率级 A Sound Power Level	$L_{WA}=79\text{dB(A)}$
全压效率 Total Efficiency	$\eta_{TF}=68.3\%$

1. Fan Performance Curve



2. 电机的选配

性能曲线图上的功率  $P_{sh}$  是指风机轴功率。  
配套电机的功率： $P_{sh,p}=P_{sh} \times K \div \eta_{me}$   
风机传动效率的取值方法可参照表 1，  
电机容量安全系数的取值方法可参照表 2。

2. Motor selection

The power ( $P_{sh}$ ) on the performance chart refers to the shaft power of the fan.  
The rated power of the drive motor equals the total required shaft input multiplied by the safety factor:  $P_{sh,p}=P_{sh} \times K \div \eta_{me}$   
The value of mechanical drive efficiency can be obtained from Table 1.  
The required safety factors is provided in Table 2.

表 1 (Table 1)

风机传动方式 Drive Type	$\eta_{me}$
电机直联传动 Motor direct drive	1
联轴器直联传动 Coupling direct drive	0.98
三角皮带传动 V-belt drive	0.95

表 2 (Table 2)

电机功率 Power of electric motor (kW)	K 值 Value k
$\leq 0.75\text{kW}$	1.3
$\leq 2.2\text{kW}$	1.2
$\leq 7.5\text{kW}$	1.15
$\geq 11\text{kW}$	1.1

3. 双联风机的性能计算

L2 型、R2 型、K2 型双联风机性能与 L 型、R 型、K 型风机曲线上所示性能比较，在压力相同的情况下，双联风机性能如下：

3. The twin fans' performance calculation is the double fan performance calculation formula:

Comparing the performance of the twin fan of Category L2 Category R2 and Category K2 with the performance of Category L Category R and K in the chart in the same condition of pressure, the twin fans' performance is as the following.

风量	x2	转速	x1.05
轴功率	x2.15	噪声	+3 dB

Volume	x2	Speed	x1.05
Shaft Power	x2.15	Noise	+3 dB

双联风机的性能未获得 AMCA International 授权。

Performance of twin fans are not licensed by AMCA International.

安装与维护

Installation and Maintenance

A) 皮带传动安装

1. 拆除风机轴端的保护并检查有无缺口和毛刺；
2. 检查风机和电机轴之间的平行度；
3. 中心距控制在  $0.7(d1+d2) < a < 2(d1+d2)$ ，前向风机皮带速度应控制在  $10\sim 15\text{m/s}$ ；后向风机皮带速度应控制在  $25\sim 35\text{m/s}$ ；
4. 将皮带轮套在轴上滑进去，不要敲击，以免损伤轴承；
5. 用一根直尺把风机和电机上的带轮对齐并紧固；
6. 把皮带套进皮带轮，不要撬、挤压，以免损伤皮带；

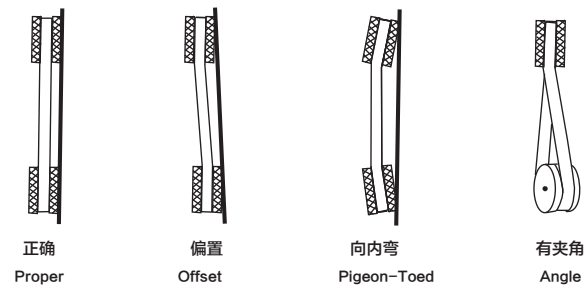
A) V-belt drive Installation

1. Remove the protective coating from the ends of the fan shaft and ensure that the shaft ends are free of nick and burrs.
2. Check fan and motor shafts for alignment.
3. The center distance must be controlled as  $0.7(d1+d2) < a < 2(d1+d2)$ . The belt speed of forward curve fan should be more than  $10\text{m/s}$ , but less than  $15\text{m/s}$ , ( $10 < v < 15\text{m/s}$ ). The belt speed of backward curve fan should be more  $25\text{m/s}$ , but less than  $35\text{m/s}$  ( $25 < v < 35\text{m/s}$ ).
4. Slide sheaves on to the shafts, Do not hammer the sheaves on to the shafts with force as this may result in bearing damage.
5. Align fan and motor sheaves with a straight-edge, and tighten the sheaves.
6. Place belts over the sheaves with care. Do not bend or squeeze the belts, or it might get damaged.



7. 调整张进度直至皮带看起来松紧适度, 风机运行几分钟后, 再调整皮带至合适的张紧度;  
8. 关掉风机, 移动电机座以调整张紧度, 当风机工作时, 皮带紧的一边是两个皮带轮连成的一条直线, 松的一边有轻微弧形。

图 3 (Fig3)



7. Adjust the belt tension until the belts appear snug. Run the unit for a few minutes and allow the belts to set properly.  
8. Switch off the fan, adjust the belt tension by moving the motor base. When in operation, the tight side of the belts should be in a straight line from sheave to sheave and there should be a slight bow on the slack side.

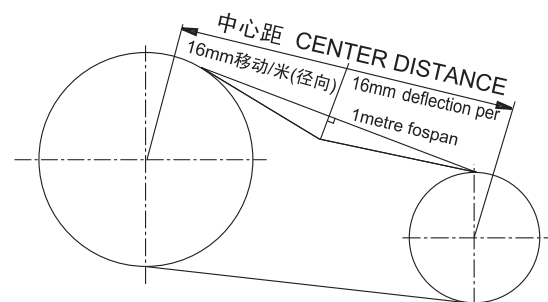


**B) 皮带松紧度**

合适的皮带松紧度对使用寿命来说很重要, 太紧会给皮带和轴承带来额外的负载, 降低它们的使用寿命, 太松会出现皮带打滑现象而产生热能并降低使用寿命。  
皮带松紧度量具可用于判断皮带是否松紧合适。量具本身带有一个尺表, 根据皮带轮中心距和皮带横截面确定皮带张紧力的大小, 如图 4 和表 3。  
如没有皮带张紧度量具, 应调节皮带松紧至风机启动时皮带不发生尖叫声为止, 如发生短促的叫声是允许的。  
拉紧皮带后、开动风机之前, 重新检查皮带轮的对齐情况, 如右必要则重新调整对齐。新皮带在开始使用时可能有点拉伸, 则应在运行几天后重新检查皮带张紧度。

图 4 (Fig4)

与中心距有关的皮带张紧度指示  
Belt tension indicator applied to mid centre distance.



**B) Belt tension**

A proper level of belt tension is required in order to obtain a satisfactory belt life. If the belt tension level is too high, excessive loads will be imposed on the belts and the bearing, and this will reduce the lives of both of these components. If the belt tension level is too low, the belt will slip. Belt slippage generates a large amount of heat, and this heat will drastically reduce the life of a belt.  
Belt-tensioning gauges can be used to determine whether the belts are tensioned properly. A chart is normally supplied with the gauge which indicates the ranges of forces required to deflect the belts by a given amount to obtain the proper belt tension level. The required forces are based upon the center distance of the sheaves and the belt cross-section. The belts are properly tensioned when the forces required to deflect the belt are within the specified range, see Fig 4 and Table 3.  
If a belt-tensioning gauge is not available, then the belt should be tightened just enough so that the belt does not squeal when the fan is started. A very short period of noise during the starting of a fans is allowable, but a squeal lasting several seconds or longer is not acceptable. After tensioning the belts and before starting the fan, check to make sure that the sheaves is properly aligned.  
Realign the sheaves if necessary. Note that new belts may stretch a little during initial use, so the belt tension level should be checked after a few days of operation.

表 3 (Table 3)

皮带截面 Belt Section	使皮带向下移动16mm径向距离1米所需的力 Force required to deflect belt 16mm per metre of span		
	张紧力 (小皮带轮直径) Small Pulley/Diameter (mm)	牛顿 Newtonian (N)	千克力 Kilogram force (Kgf)
SPZ	56-95	13-20	1.3-2.0
	100-140	20-25	2.0-2.5
SPA	80-140	25-35	2.5-3.6
	140-200	35-45	3.6-4.6
SPB	112-224	45-65	4.6-6.6
	236-315	65-85	6.6-8.7
SPC	224-335	85-115	8.7-11.7
	375-560	115-150	11.7-15.3
A	40-140	10-15	1.1-1.5
B	125-200	20-30	2.0-3.1

**C) 轴承润滑**

风机使用带座轴承, 可通过加油嘴注入润滑油。润滑油有效期取决于油脂类型、轴承的转速和工作温度。判断是否加油的最好办法是当加新油时观察清除下来的旧油脂, 可延长换油脂的间隔, 如果清除下来的油脂比新的黑得多表明油脂已氧化, 应缩短换油脂的间隔。

**C) Bearing Lubreication**

The fan bearings are filled with lubricant when they ship from the factory, so the bearings do not require any additional grease to be supplied before starting the fan. The fans that are equipped with pillow block bearing are provided with lubrication fittings, and these fittings allow for additional lubrication to the supplied to the bearings at regular intervals.  
The allowable period of time between lubrication of these bearings depends upon the operating speeds and temperatures of the bearing as well as on the type of lubrication. It is recommended to inspect the condition of the grease that is discharged from the bearings when new grease is added. If the discharged grease looks similar to the new grease, then a longer period of time between lubrications is possible. If the discharged grease is much darker than the new grease, this indicates that the grease is being oxidized and more frequent lubrications of the bearings are required.

**说明**

- 1). 订货时须注明风机型号、转速、风量、风压、出风口方向和旋转方向。若需配套皮带、皮带轮、电机、安装底座等配件及其它特殊要求可在订货时提出。
- 2). 在安装前应对风机各部件进行检查, 对叶轮、主轴和轴承等主要机件应重点细致检查, 如有损伤应修复后再安装使用。
- 3). 检查机壳和其它壳体内部, 不应有掉入、遗留的工具和杂物。
- 4). 风机正式运转前, 需检查电机的转向是否符合风机转向的要求。
- 5). 风管与出风口之间应采用软连接, 接头不得拉紧。
- 6). 风机安装后用手或杠杆拨动叶轮, 检查是否过紧或碰撞现象, 确认无这些现象时方可进行试转。
- 7). 风机配用电机功率是指在特定工况下, 风机内功率加上机械损失与电机容量安全系数而言, 并非出风口全敞开时所需的功率。为防止电机超功率运行而烧毁, 严禁风机出风口或进风口接管路或未加外界任何阻力进行空运转。
- 8). 风机在无较大腐蚀性气体、不含酸(碱)性和尘颗粒物 <150mg/m<sup>3</sup> 的气体、-20℃ < 温度 <85℃ 的气体环境下使用, 风机在运输装卸过程中应小心轻放, 防止碰撞挤压。

**Instructions**

- 1) When placing the order, it is necessary to state the type of fan, speed, air volume, air pressure, discharge direction, rotation direction, type of electric motor and its specifications.
- 2) Prior to installation, the fan should be carefully inspected. Special care should be taken in checking the shaft, wheel and bearings. If there is an indication of any damage, the damaged parts should be repaired or replaced before the fan is installed or commissioned.
- 3) The inside of the scroll and casing need to be checked to make sure that there are no foreign objects inside the housing, such as tools or loose parts.
- 4) The rotational directions of the motor and wheel should be checked to ensure that they are in compliance with the specification and purchase orders.
- 5) A flexible connector should be used between the fan out let flange and its mating ductwork. The flex connector should not be over-stretched.
- 6) Following the installation, the wheel should be turned by hand or with the use of a wrench to make sure that it turns freely without colliding with other parts of the fan. Once all this is done, the fan can be commissioned normally.
- 7) The rated motor power as calculated herein might not be sufficient to drive the fan with an unrestricted discharge flow. Operating the fan with an unrestricted discharge outlet will result in flow rate that exceeds the specified fan capabilities. Such operation will quickly burn the motor and damage the fan. Great care must be taken in operating the fan to make sure that the maximum rated flows, as provided on the performance charts in this catalog, are not exceeded.
- 8) The fan is limited for use in areas where air substances are non-corrosive, non-toxic and non-erosive and where dust particles are less than 150mg/m<sup>3</sup> with a temperature between -20℃ and 85℃. Special care should be taken during transportation, load and unload.

### 技术参数

### Technical Data

Wheel diameter 叶轮直径	D = 7 inch	Fan weight 风机质量	m = 8.5 kg
Moment of inertia 转动惯量	J = 0.009 kg·m <sup>2</sup>	Speed limit 极限转速	n <sub>max</sub> = 2200 r/min

### 技术参数

### Technical Data

Wheel diameter 叶轮直径	D = 8 inch	Fan weight 风机质量	m = 9.5 kg
Moment of inertia 转动惯量	J = 0.015 kg·m <sup>2</sup>	Speed limit 极限转速	n <sub>max</sub> = 2200 r/min

### 性能曲线

### Performance Curves

经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口L<sub>WA</sub>）。

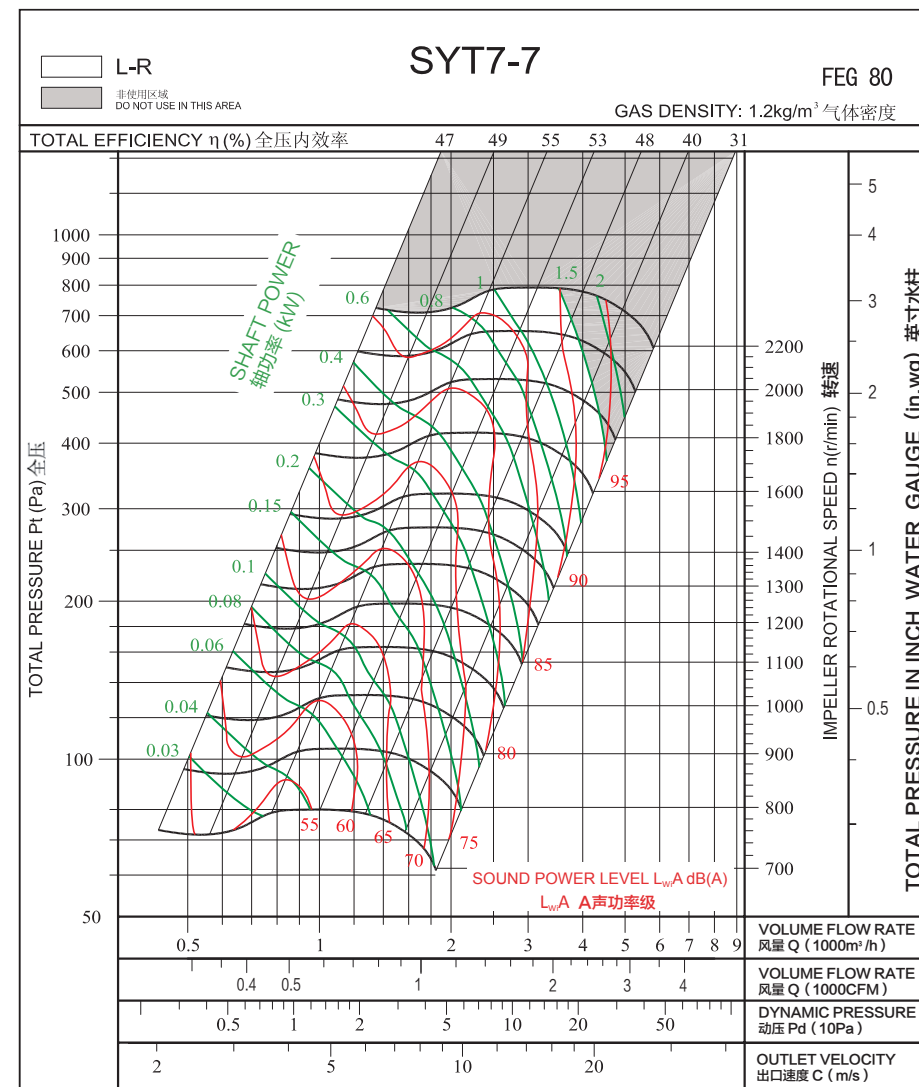
Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L<sub>WA</sub> sound power levels for installation type B: free inlet, ducted outlet.

### 性能曲线

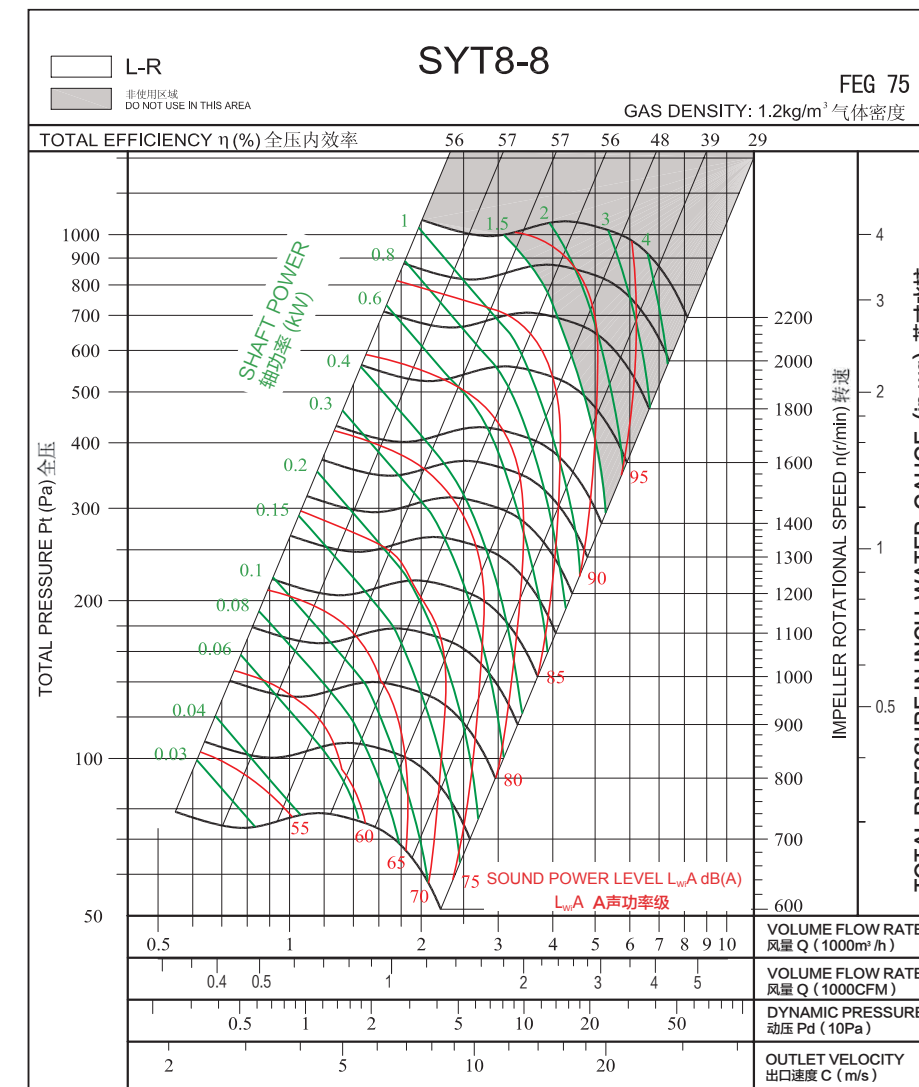
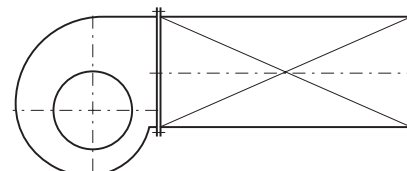
### Performance Curves

经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口L<sub>WA</sub>）。

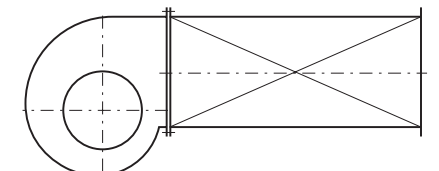
Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L<sub>WA</sub> sound power levels for installation type B: free inlet, ducted outlet.



Measured in installation B according to AMCA Standard 210:



Measured in installation B according to AMCA Standard 210:



### 技术参数

### Technical Data

Wheel diameter 叶轮直径	D = 9 inch	Fan weight 风机质量	m = 10.2 kg
Moment of inertia 转动惯量	J = 0.029 kg·m <sup>2</sup>	Speed limit 极限转速	n <sub>max</sub> = 2200 r/min

### 技术参数

### Technical Data

Wheel diameter 叶轮直径	D = 9 inch	Fan weight 风机质量	m = 11.4 kg
Moment of inertia 转动惯量	J = 0.034kg·m <sup>2</sup>	Speed limit 极限转速	n <sub>max</sub> = 1800 r/min

### 性能曲线

### Performance Curves

经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口L<sub>WA</sub>）。

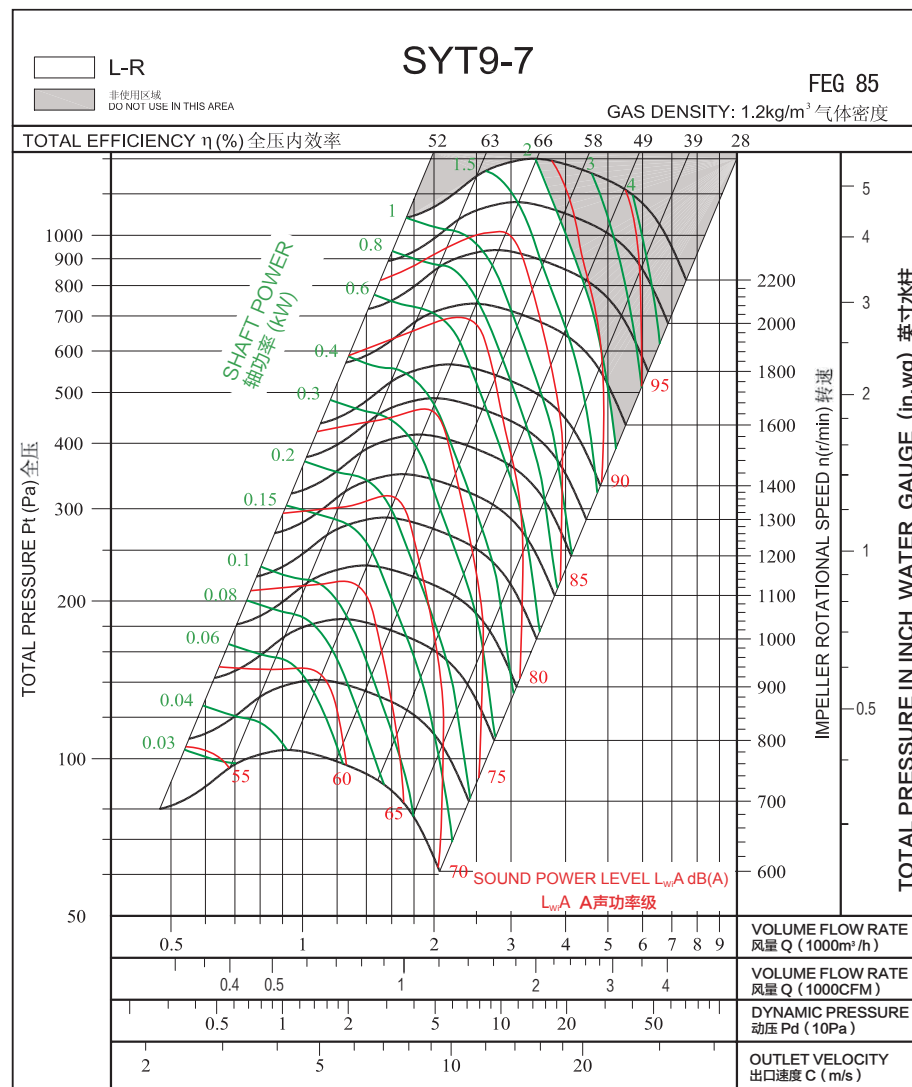
Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L<sub>WA</sub> sound power levels for installation type B: free inlet, ducted outlet.

### 性能曲线

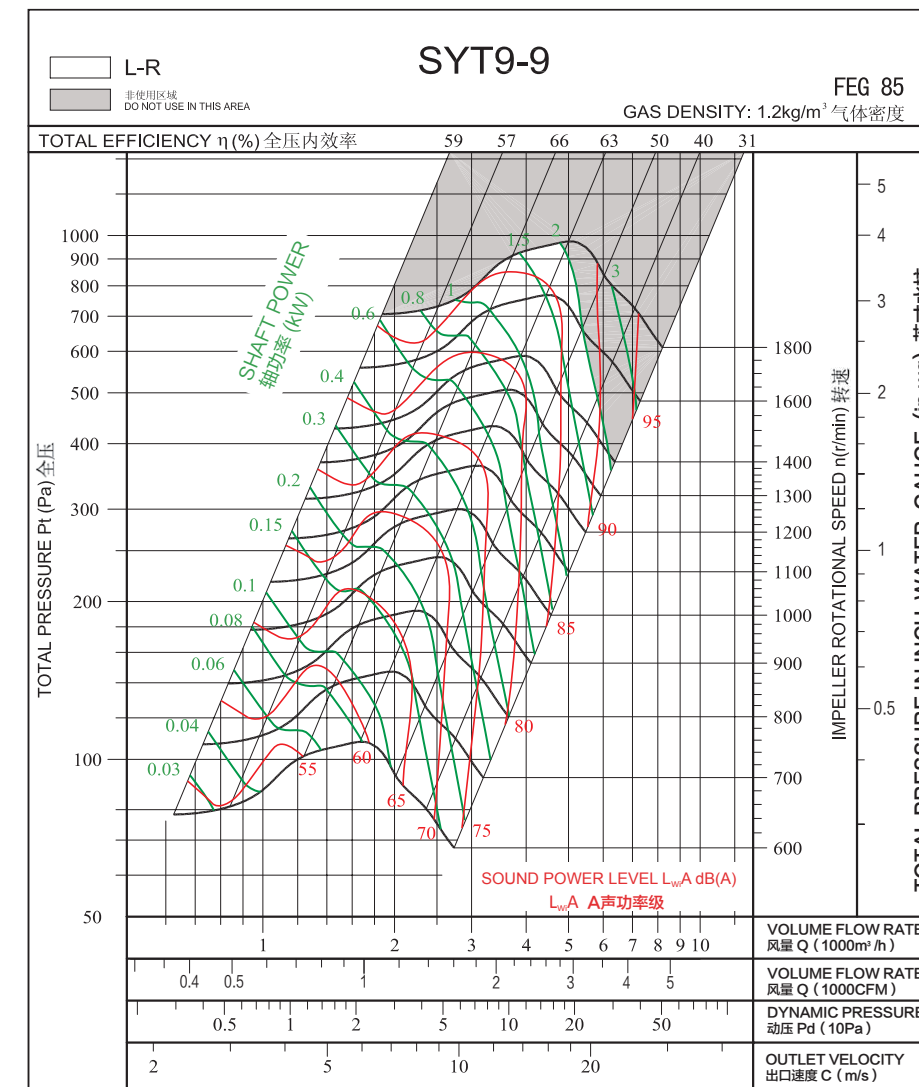
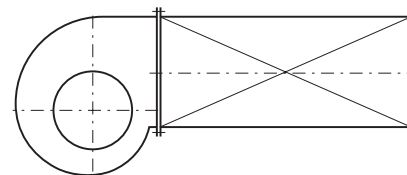
### Performance Curves

经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口L<sub>WA</sub>）。

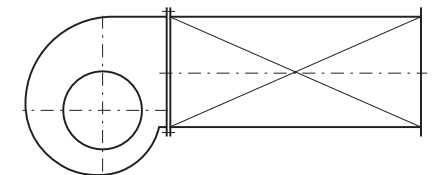
Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L<sub>WA</sub> sound power levels for installation type B: free inlet, ducted outlet.



Measured in installation B according to AMCA Standard 210:



Measured in installation B according to AMCA Standard 210:





## 技术参数

## Technical Data

Wheel diameter 叶轮直径	D = 10 inch	Fan weight 风机质量	m = 12.3 kg
Moment of inertia 转动惯量	J = 0.047 kg·m <sup>2</sup>	Speed limit 极限转速	n <sub>max</sub> = 1800 r/min

## 技术参数

## Technical Data

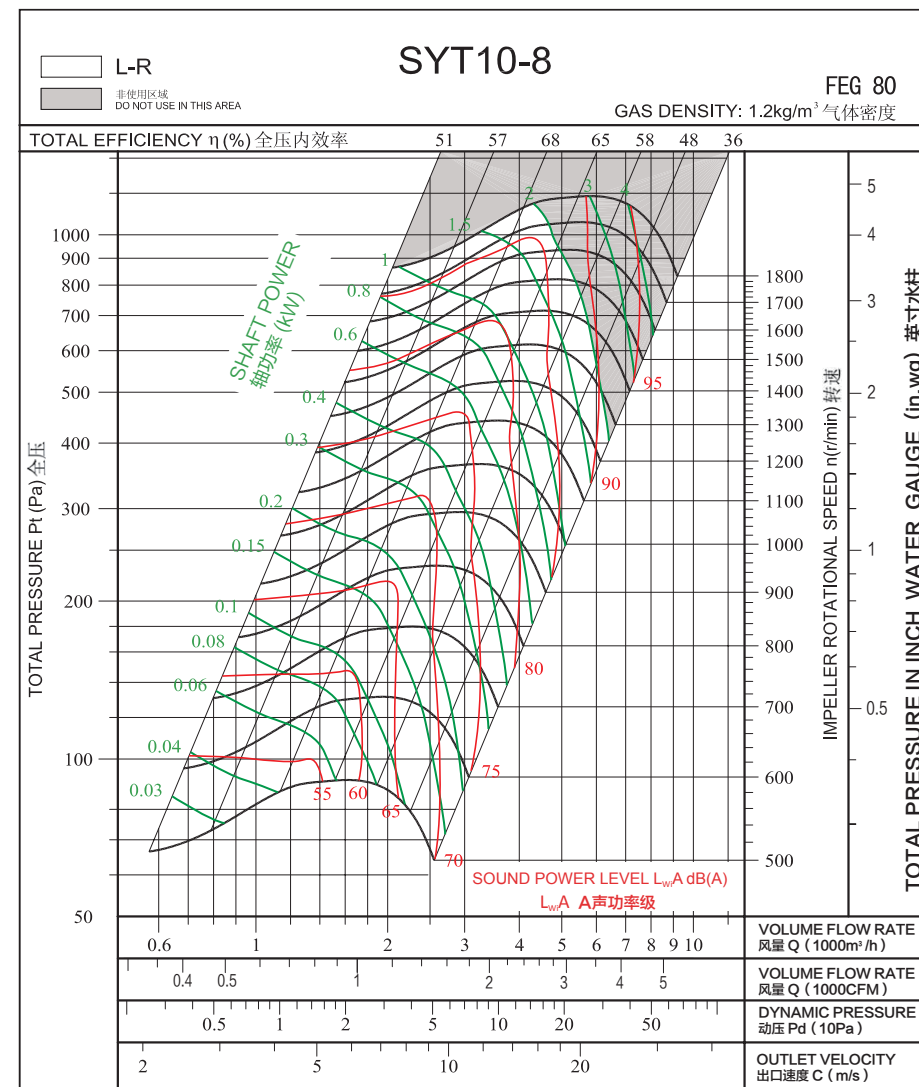
Wheel diameter 叶轮直径	D = 10 inch	Fan weight 风机质量	m = 13.2 kg
Moment of inertia 转动惯量	J = 0.055 kg·m <sup>2</sup>	Speed limit 极限转速	n <sub>max</sub> = 1800 r/min

## 性能曲线

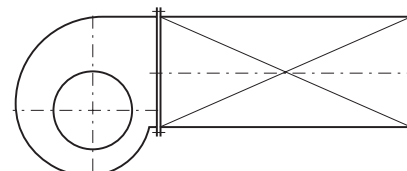
## Performance Curves

经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口L<sub>WA</sub>）。

Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L<sub>WA</sub> sound power levels for installation type B: free inlet, ducted outlet.



Measured in installation B according to AMCA Standard 210:

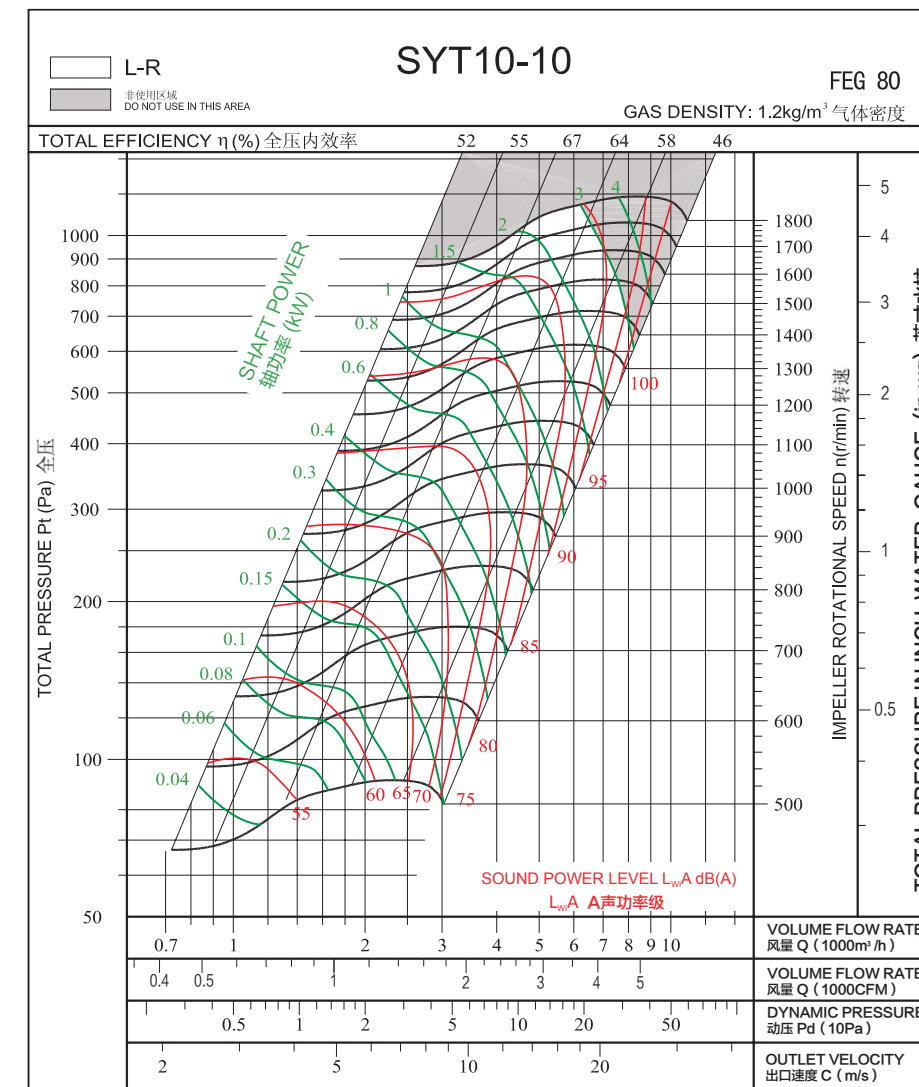


## 性能曲线

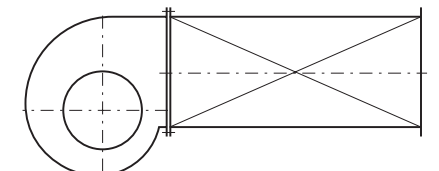
## Performance Curves

经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口L<sub>WA</sub>）。

Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L<sub>WA</sub> sound power levels for installation type B: free inlet, ducted outlet.



Measured in installation B according to AMCA Standard 210:



## 技术参数

## Technical Data

Wheel diameter 叶轮直径	D = 12 inch	Fan weight 风机质量	m = 19.1 kg
Moment of inertia 转动惯量	J = 0.097 kg·m <sup>2</sup>	Speed limit 极限转速	n <sub>max</sub> = 1600 r/min

## 技术参数

## Technical Data

Wheel diameter 叶轮直径	D = 12 inch	Fan weight 风机质量	m = 22 kg
Moment of inertia 转动惯量	J = 0.12 kg·m <sup>2</sup>	Speed limit 极限转速	n <sub>max</sub> = 1500 r/min

## 性能曲线

## Performance Curves

经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口L<sub>wA</sub>）。

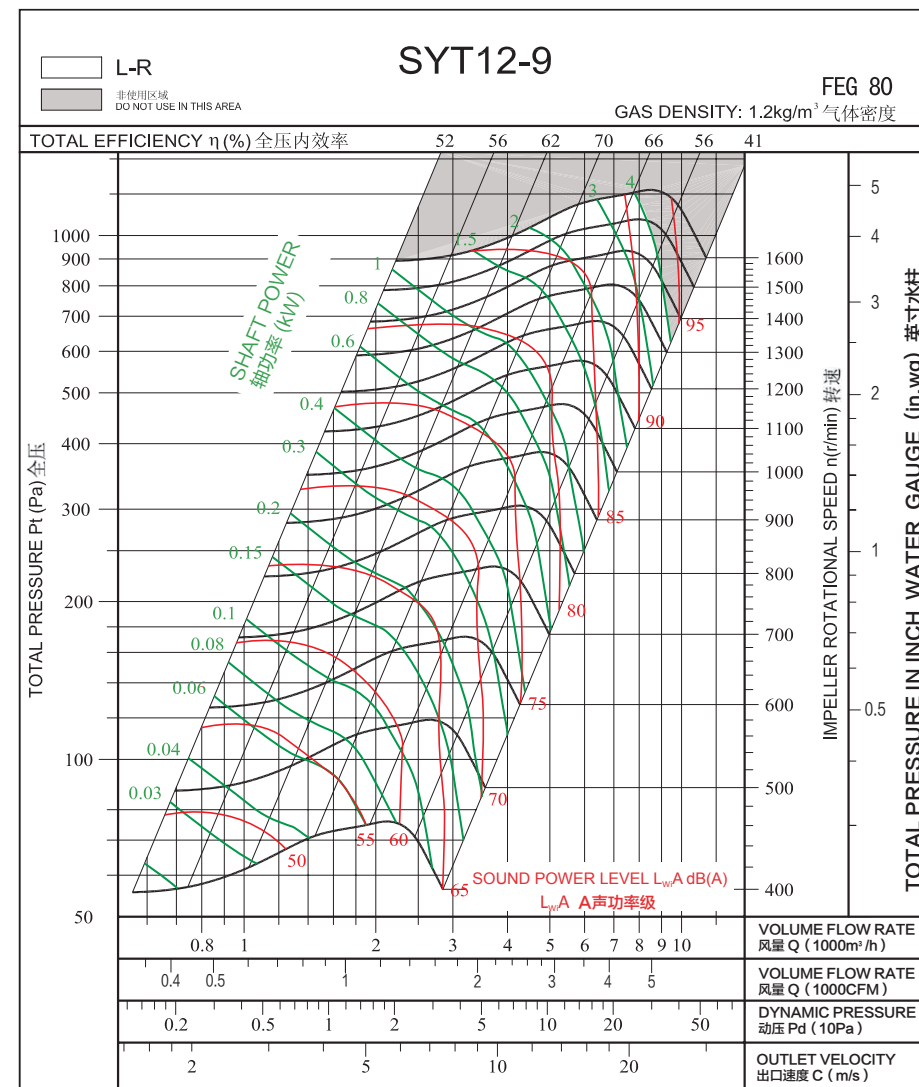
Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L<sub>wA</sub> sound power levels for installation type B: free inlet, ducted outlet.

## 性能曲线

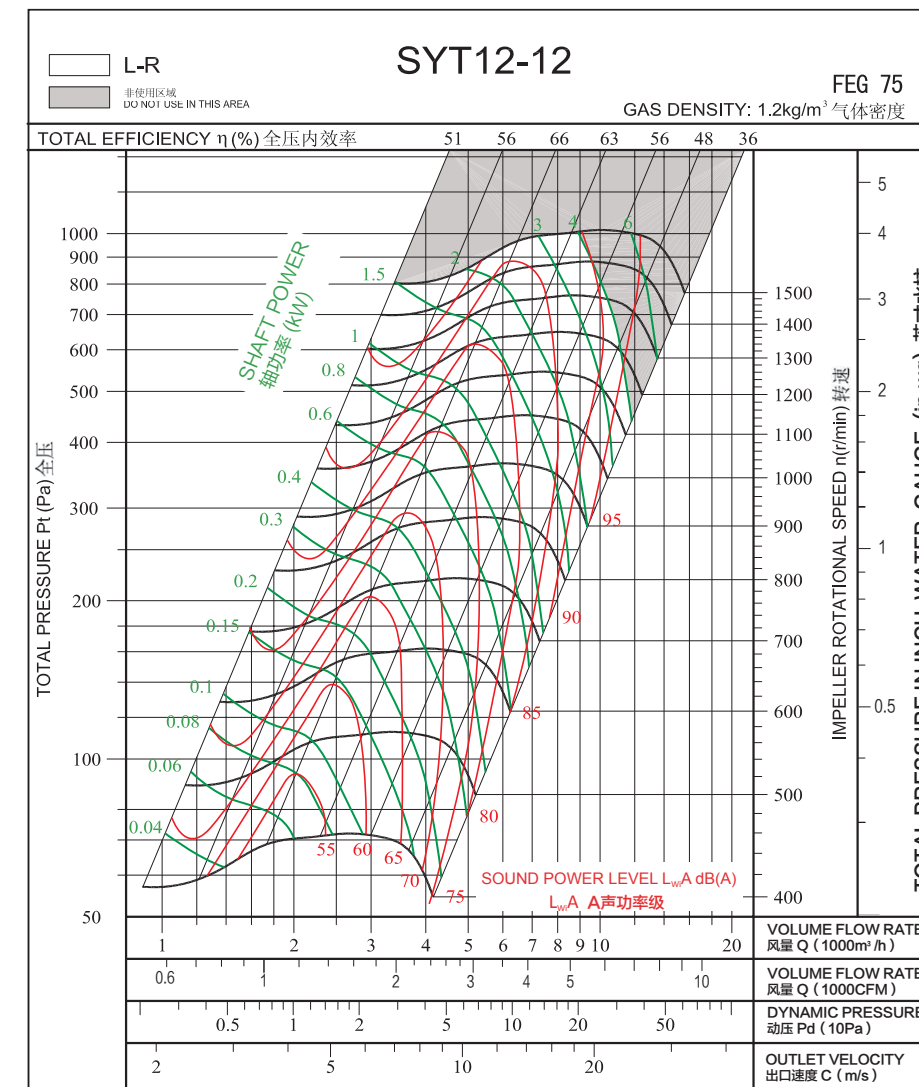
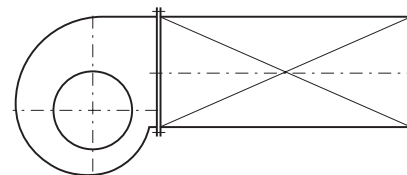
## Performance Curves

经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口L<sub>wA</sub>）。

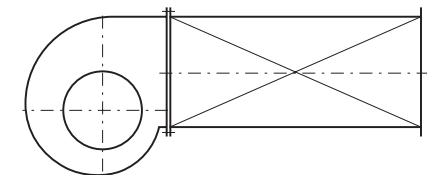
Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L<sub>wA</sub> sound power levels for installation type B: free inlet, ducted outlet.



Measured in installation B according to AMCA Standard 210:



Measured in installation B according to AMCA Standard 210:





### 技术参数

### Technical Data

Wheel diameter 叶轮直径	D = 15 inch	Fan weight 风机质量	m = 25.1 kg
Moment of inertia 转动惯量	J = 0.19 kg·m <sup>2</sup>	Speed limit 极限转速	n <sub>max</sub> = 1300 r/min

### 技术参数

### Technical Data

Wheel diameter 叶轮直径	D = 15 inch	Fan weight 风机质量	m = 29.4 kg
Moment of inertia 转动惯量	J = 0.23 kg·m <sup>2</sup>	Speed limit 极限转速	n <sub>max</sub> = 1200 r/min

### 性能曲线

### Performance Curves

经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口L<sub>wA</sub>）。

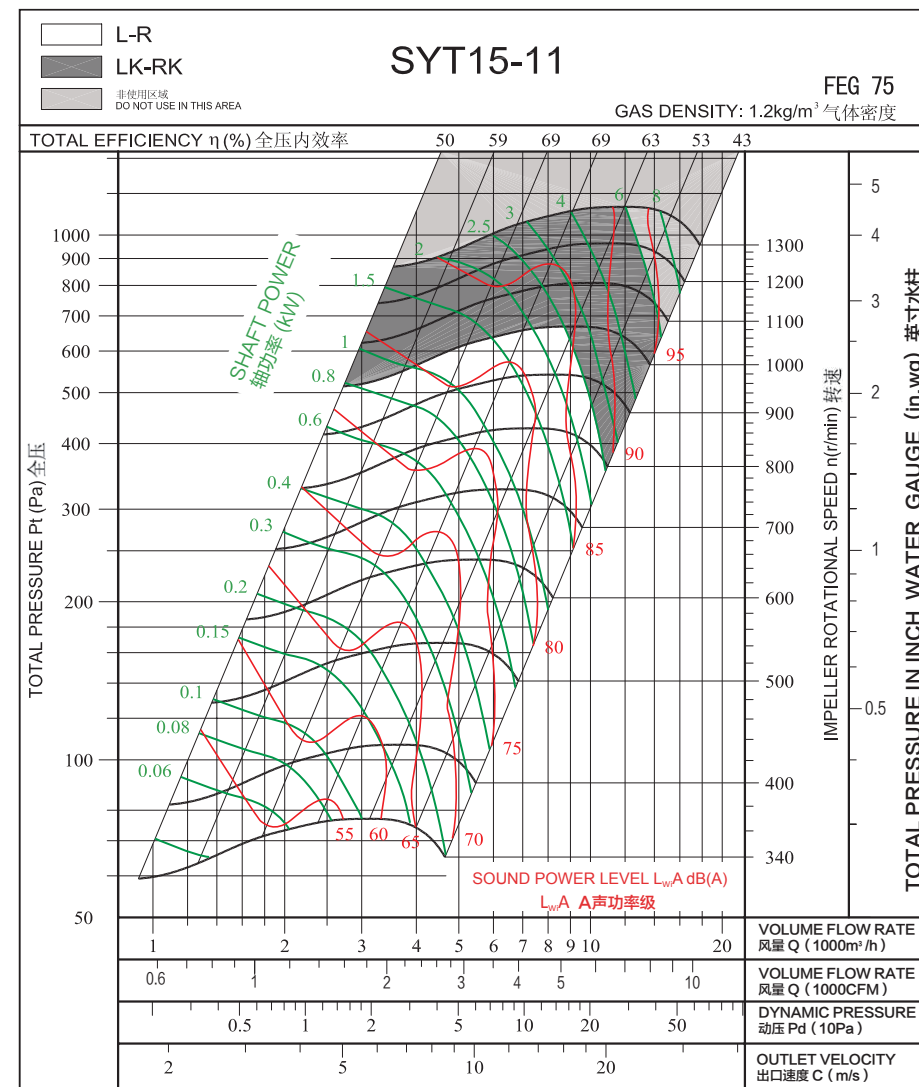
Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L<sub>wA</sub> sound power levels for installation type B: free inlet, ducted outlet.

### 性能曲线

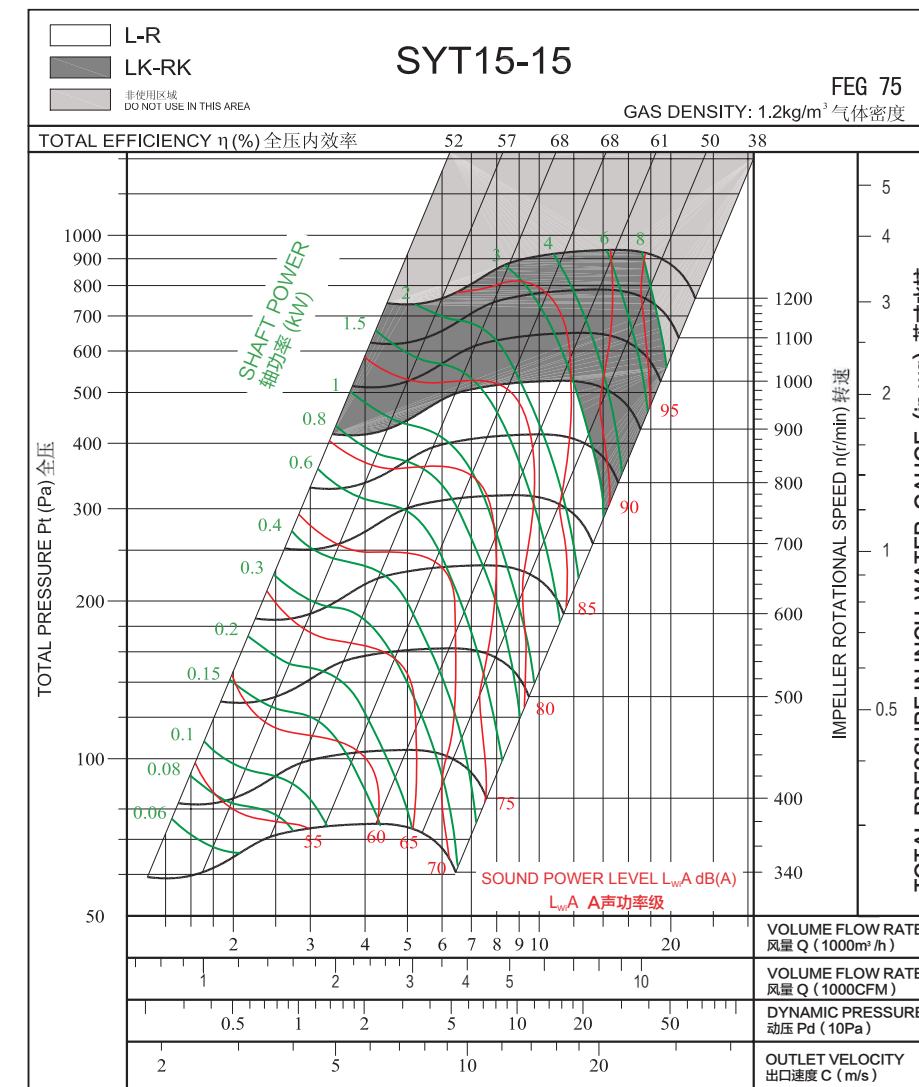
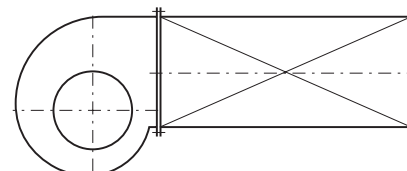
### Performance Curves

经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口L<sub>wA</sub>）。

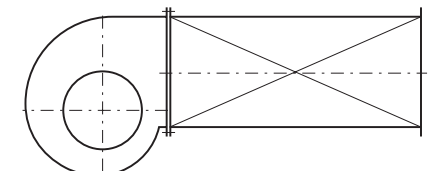
Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L<sub>wA</sub> sound power levels for installation type B: free inlet, ducted outlet.



Measured in installation B according to AMCA Standard 210:



Measured in installation B according to AMCA Standard 210:



### 技术参数

### Technical Data

Wheel diameter 叶轮直径	D = 18 inch	Fan weight 风机质量	m = 39.6 kg
Moment of inertia 转动惯量	J = 0.46 kg·m <sup>2</sup>	Speed limit 极限转速	n <sub>max</sub> = 1200 r/min

### 技术参数

### Technical Data

Wheel diameter 叶轮直径	D = 18 inch	Fan weight 风机质量	m = 45.5 kg
Moment of inertia 转动惯量	J = 0.57kg·m <sup>2</sup>	Speed limit 极限转速	n <sub>max</sub> = 1100r/min

### 性能曲线

### Performance Curves

经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口L<sub>wA</sub>）。

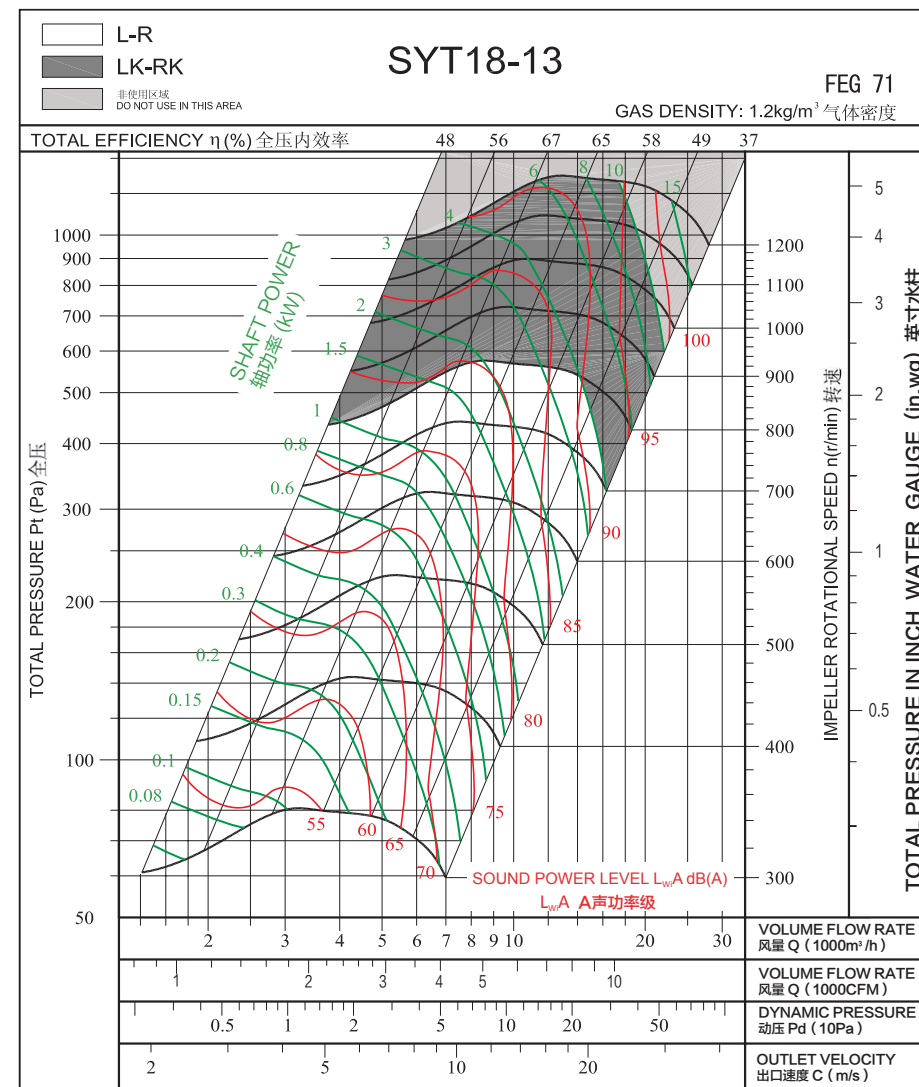
Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L<sub>wA</sub> sound power levels for installation type B: free inlet, ducted outlet.

### 性能曲线

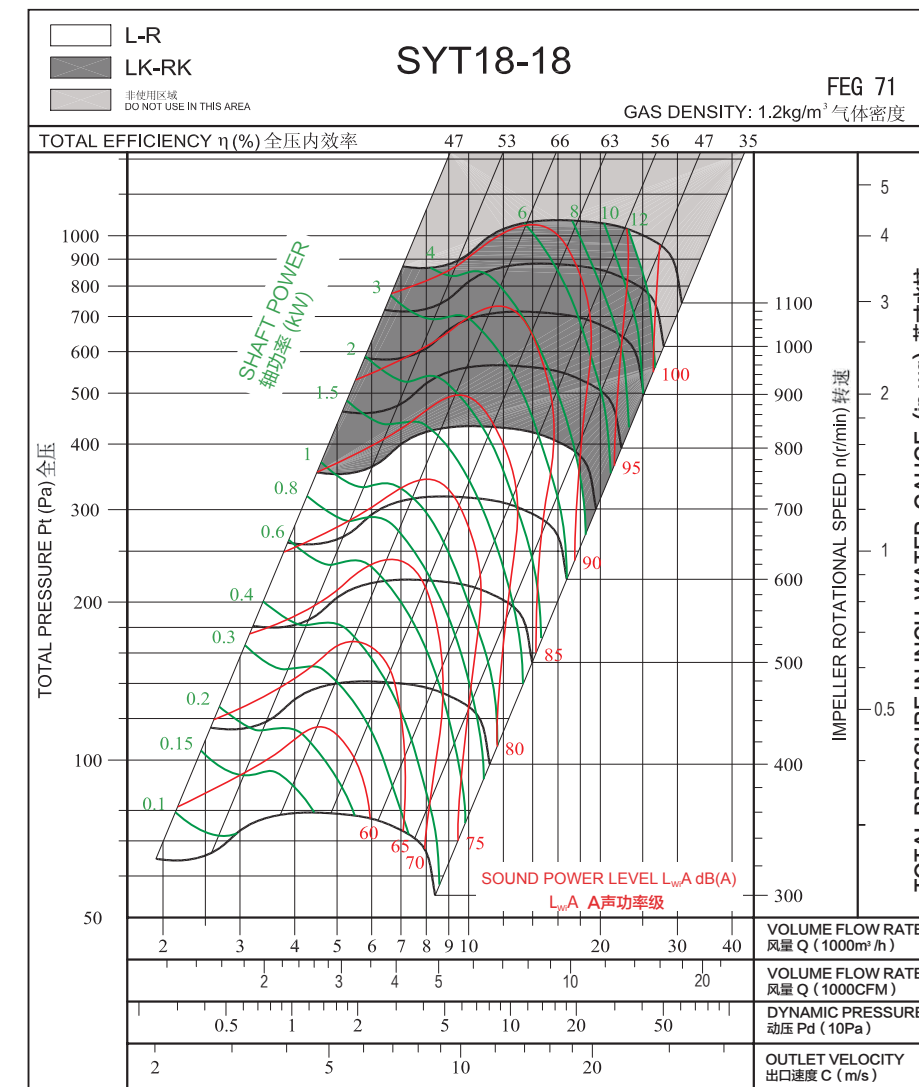
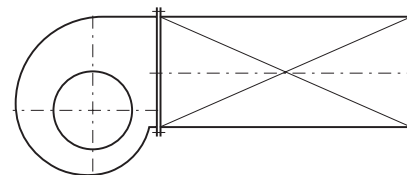
### Performance Curves

经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口L<sub>wA</sub>）。

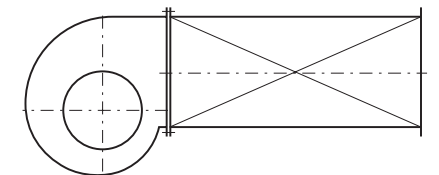
Performance certified is for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L<sub>wA</sub> sound power levels for installation type B: free inlet, ducted outlet.



Measured in installation B according to AMCA Standard 210:

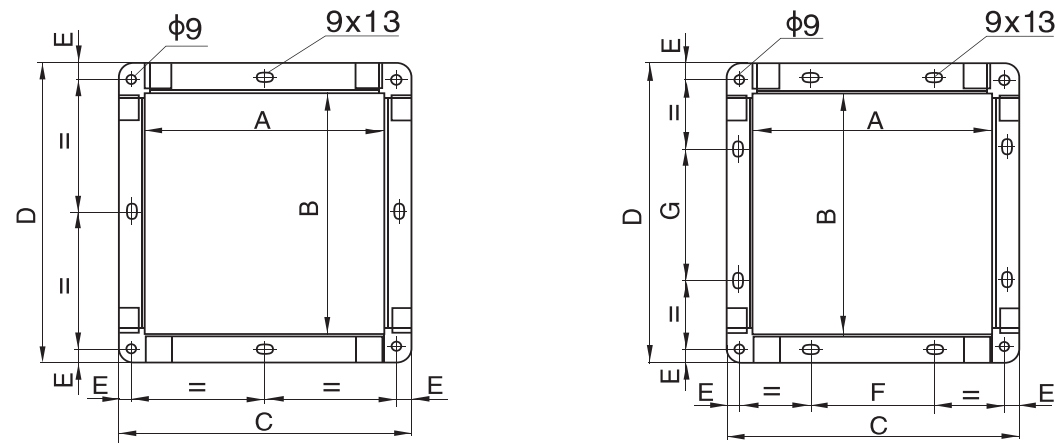


Measured in installation B according to AMCA Standard 210:



出口法兰

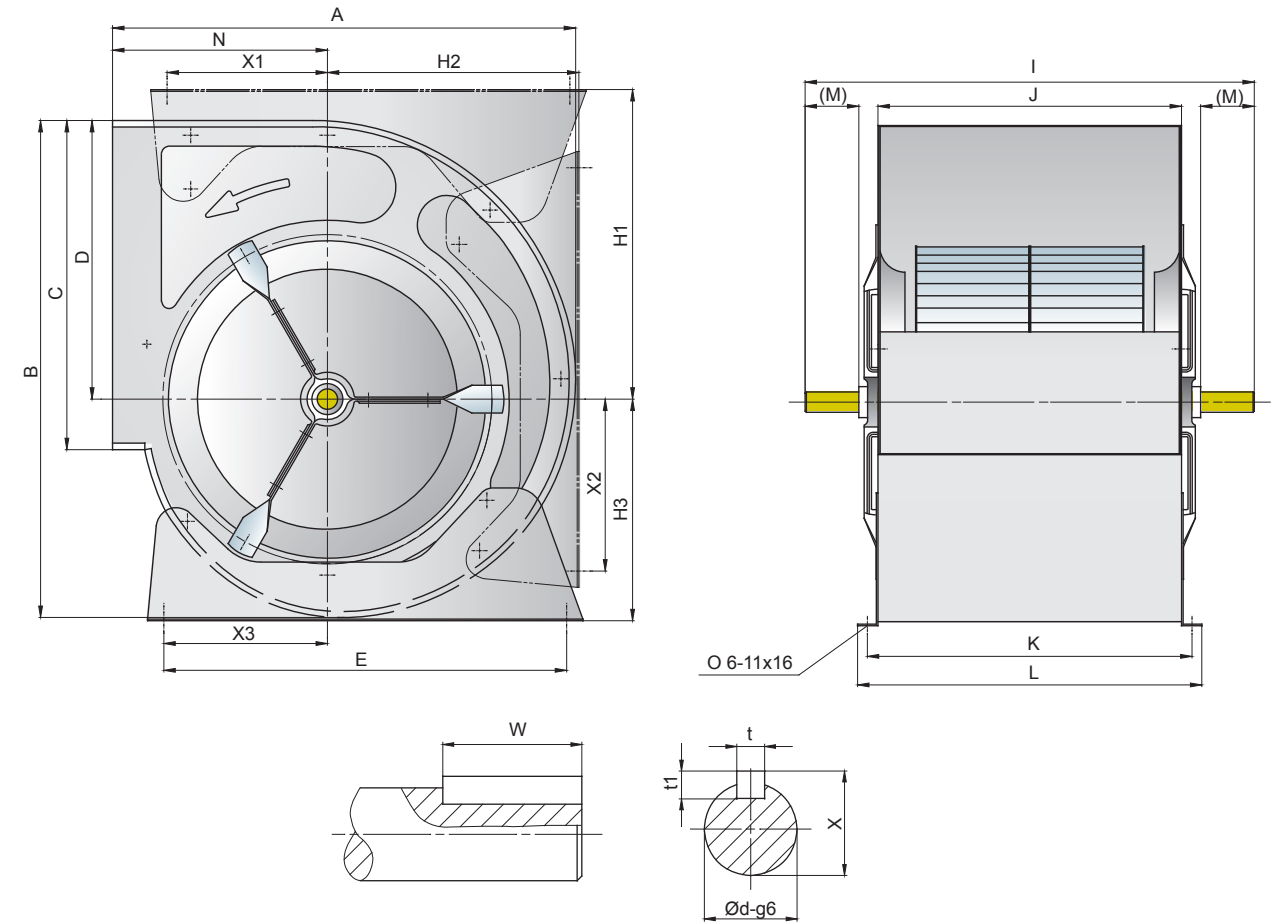
Outlet Flange



单位: mm

Dim	7-7	8-8	9-7	9-9	10-8	10-10	12-9	12-12	15-11	15-15	18-13	18-18
A	259	287	232	298	265	331	309	395	373	471	430	557
B	228	256	262	262	289	289	341	341	404	404	478	478
C	299	327	272	338	321	387	365	451	429	527	486	613
D	268	296	302	302	345	345	397	397	460	460	534	534
E	10	10	10	10	13	13	13	13	13	13	13	13
F	\	\	\	\	\	\	125	150	145	180	160	200
G	\	\	\	\	\	\	140	140	160	160	180	180

SYT-L(LK)

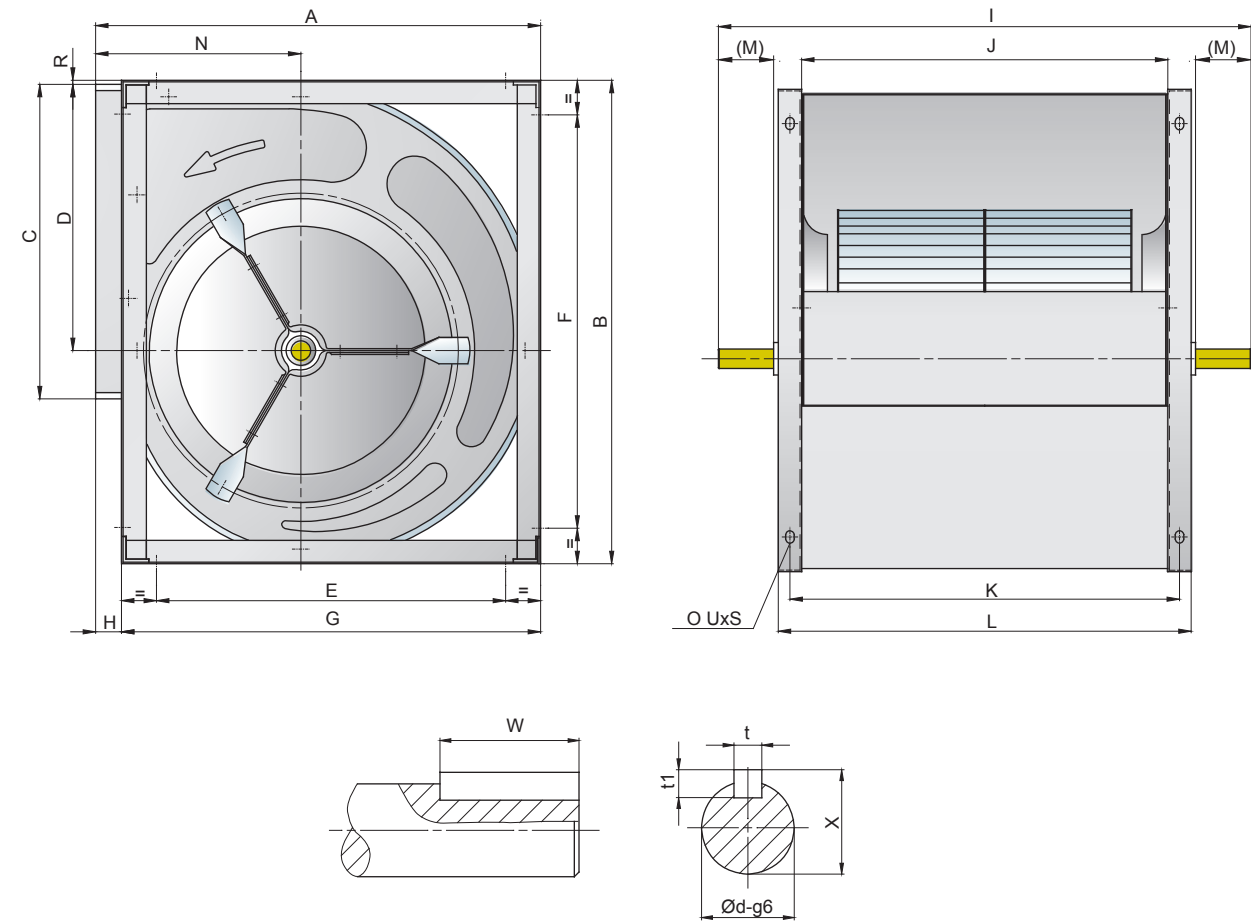


单位: mm

Modle	Dim	A	B	C	D	E	I	J	K	L	M	N	X	t	t1	W	ød	H1	H2	H3	X1	X2	X3
7-7L		312	328	228	192	180	370	259	279	299	32	152	22.5	6	6	30	20	224	164	164	90	90	90
8-8L		346	365	256	216	224	420	287	312	337	43	164	22.5	6	6	40	20	245	184	181	112	112	112
9-7L		380	387	262	215	300	370	232	258	282	43.5	185	22.5	6	6	30	20	253	199	177	119	124	123
9-9L		380	387	262	215	300	450	298	324	348	51	185	22.5	6	6	30	20	253	199	177	119	124	123
10-8L		425	444	289	249	340	410	265	291	315	48.5	203	28	8	7	40	25	287	227	198	136	132	135
10-10L		425	444	289	249	340	490	331	357	381	56	203	28	8	7	50	25	287	227	198	136	132	135
12-9L		491.5	521	341	294	408	465	309	335	359	54	230	28	8	7	40	25	332	266	232	161	153	161
12-12L		491.5	521	341	294	408	565	395	421	445	61	230	28	8	7	60	25	332	266	232	161	153	161
15-11L		569	609	404	342	495	550	373	399	423	66	264	28	8	7	50	25	380	309	272	197	211	201
15-11LK		569	609	404	342	495	570	373	399	423	72	264	33	8	7	40	30	380	309	272	197	211	201
15-15L		569	609	404	342	495	650	471	497	521	66	264	28	8	7	60	25	380	309	272	197	211	201
15-15LK		569	609	404	342	495	675	471	497	521	75	264	33	8	7	65	30	380	309	272	197	211	201
18-13L		684	739	478	415	608	610	430	456	480	66.5	314	28	8	7	65	25	457	376	340	262	283	278
18-13LK		684	739	478	415	608	610	430	456	480	61	314	38	10	8	55	35	457	376	340	262	283	278
18-18L		684	739	478	415	608	740	557	581	607	68	314	28	8	7	65	25	457	376	340	262	283	278
18-18LK		684	739	477	415	608	790	557	581	607	87	314	38	10	8	70	35	457	376	340	262	283	278



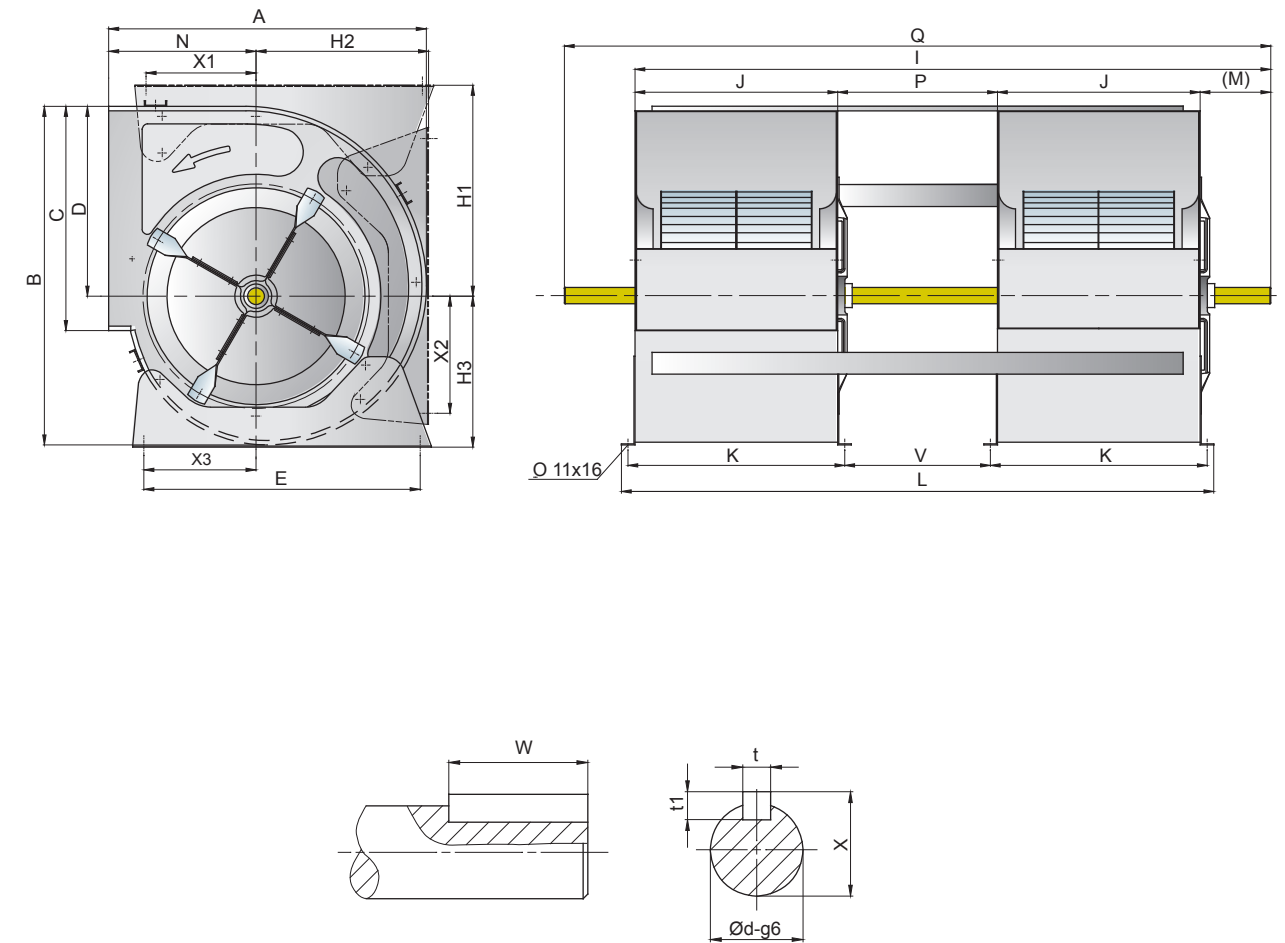
**SYT-R(RK)**



单位: mm

Model	Dim	A	B	C	D	E	F	G	H	I	J	K	L	M	N	R	t	t1	W	X	Ød	UxS
7-7R		323	336	228	192	180	180	294	29	420	259	281	299	57	152	6	6	6	40	23	20	9x12
8-8R		348	370	256	216	224	224	314	34	460	287	312	337	63	164	3	6	6	50	23	20	9x12
9-7R		385	399	262	215	274	324	349	36	390	232	254	272	55	185	6	6	6	40	23	20	9x12
9-9R		385	399	262	215	274	324	349	36	460	298	320	338	58	185	6	6	6	50	23	20	9x12
10-8R		431	455	289	249	330	390	395	36	425	265	287	305	57	203	6	8	7	40	28	25	11x16
10-10R		431	455	289	249	330	390	395	36	490	331	353	371	56	203	6	8	7	50	28	25	11x16
12-9R		494	527	341	294	371	443	458	36	490	309	339	369	67	230	3	8	7	50	28	25	11x16
12-12R		494	527	341	294	371	443	458	36	600	395	425	455	79	230	3	8	7	40	28	25	11x16
15-11R		575	619	402	343	449	531	539	36	585	373	403	433	83	267	4	8	7	50	28	25	11x16
15-11RK		575	619	402	343	449	531	539	36	625	373	403	433	99	267	4	8	7	40	33	30	11x16
15-15R		575	619	402	343	449	531	539	36	685	471	501	531	84	267	4	8	7	65	28	25	11x16
15-15RK		575	619	402	343	449	531	539	36	725	471	501	531	100	267	4	8	7	65	33	30	11x16
18-13R		690	751	478	415	544	641	654	36	665	430	470	510	94.5	314	6	8	7	65	28	25	11x16
18-13RK		690	751	478	415	544	641	654	36	665	430	470	510	89	314	6	10	8	55	38	35	11x16
18-18R		690	751	478	415	544	641	654	36	790	557	597	637	93	314	6	8	7	65	28	25	11x16
18-18RK		690	751	478	415	544	641	654	36	790	557	597	637	90	314	6	10	8	70	38	35	11x16

**SYT-L2**

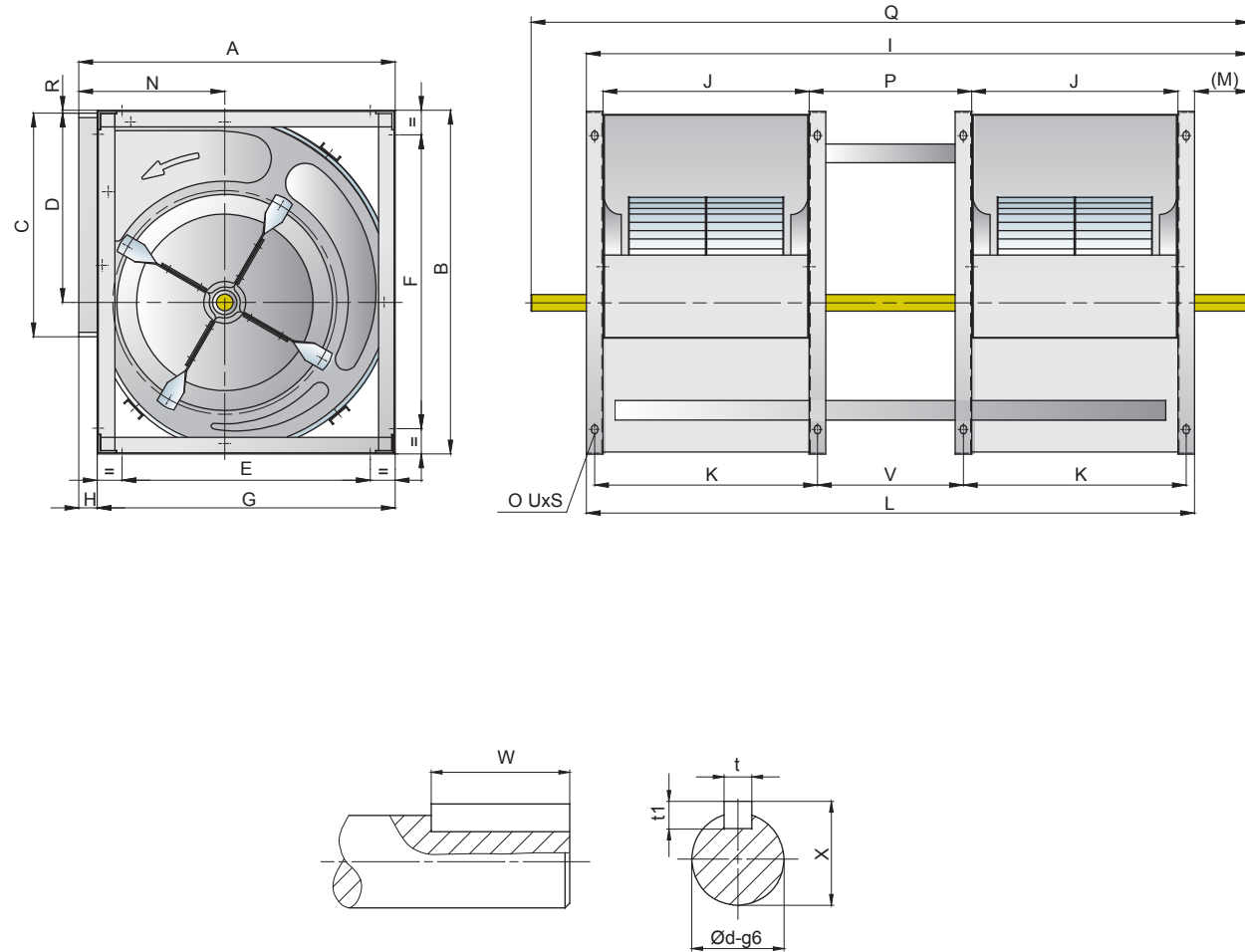


单位: mm

Model	Dim	A	B	C	D	E	I	J	K	L	M	N	P	Q	V	X	t	t1	W	Ød	H1	H2	H3	X1	X2	X3
7-7L2		312	328	228	192	180	\	259	279	742	80	152	184	860	164	23	6	6	50	20	224	164	164	90	90	90
8-8L2		346	365	256	216	224	\	287	312	838	95	164	214	980	189	23	6	6	50	20	245	184	181	112	112	112
9-7L2		380	387	262	215	300	\	232	258	698	90	185	184	830	158	23	6	6	60	20	253	199	177	119	124	123
9-9L2		380	387	262	215	300	\	298	324	890	90	185	244	1020	218	28	8	7	60	25	253	199	177	119	124	123
10-8L2		425	443	289	249	340	\	265	291	794	90	203	214	925	188	28	8	7	60	25	287	227	198	136	132	135
10-10L2		425	443	289	249	340	\	331	357	976	90	203	264	1105	238	28	8	7	60	25	287	227	198	136	132	135
12-9L2		491.5	521	341	294	408	\	309	335	912	110	230	244	1080	218	28	8	7	60	25	332	266	232	161	153	161
12-12L2		491.5	521	341	294	408	1224	395	421	1164	110	230	324	\	298	33	8	7	80	30	332	266	232	161	153	161
15-11L2		569	610	404	342	495	1170	373	399	1090	130	264	294	\	268	33	8	7	90	30	380	309	272	197	211	201
15-15L2		569	610	404	342	495	1456	471	497	1376	130	264	384	\	358	33	8	7	90	30	380	309	272	197	211	201
18-13L2		684	739	478	415	608	1343	430	454	1253	140	314	343	\	319	38	10	8	90	35	457	376	340	262	283	278
18-18L2		684	739	478	415	608	1702	557	581	1622	130	314	458	\	434	38	10	8	90	35	457	376	340	262	283	278

注: SYT7-7至SYT12-9系列风机为双出轴 / SYT12-12至SYT18-18系列风机为单出轴

**SYT-R2**



单位: mm

Dim Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	V	R	t	t1	W	X	Ød	UxS
7-7R2	323	336	228	192	180	180	294	29	\	259	281	742	70	152	184	880	162	6	6	6	60	23	20	9x12
8-8R2	348	370	256	216	224	224	314	34	\	287	312	838	70	164	214	980	189	3	6	6	50	23	20	9x12
9-7R2	385	399	262	215	274	324	349	36	\	232	254	688	70	185	184	830	162	6	6	6	60	23	20	9x12
9-9R2	385	397	262	215	274	324	349	36	\	298	320	880	70	185	244	1020	222	6	8	7	60	28	25	9x12
10-8R2	431	455	289	249	330	390	395	36	\	265	287	784	70	203	214	925	192	7	8	7	60	28	25	11x16
10-10R2	431	455	289	249	330	390	395	36	\	331	353	966	70	203	264	1105	242	7	8	7	60	28	25	11x16
12-9R2	494	527	341	294	371	443	458	36	\	309	339	918	82	230	244	1080	214	3	8	7	60	28	25	11x16
12-12R2	494	527	341	294	371	443	458	36	1274	395	425	1174	100	230	324	\	294	3	8	7	90	33	30	11x16
15-11R2	575	619	402	343	449	531	539	36	1200	373	403	1100	100	267	294	\	264	4	8	7	90	33	30	11x16
15-15R2	575	619	402	343	449	531	539	36	1486	471	501	1386	100	267	384	\	354	4	8	7	90	33	30	11x16
18-13R2	690	751	478	415	544	641	654	36	1383	430	470	1283	100	314	343	\	303	6	10	8	90	38	35	11x16
18-18R2	690	751	478	415	544	641	654	36	1752	557	597	1652	100	314	458	\	418	6	10	8	90	38	35	11x16

注: SYT7-7至SYT12-9系列风机为双出轴 / SYT12-12至SYT18-18系列风机为单出轴

**SYT-L(LK)**

		0°			90°			180°			
型号 Model	电机机座型号 Motor Frame Size	A	B	C	A	B	C	A	B	C	
左旋 LG Left Hand	7-7	63	690	400	410	690	400	366	690	400	406
		71	690	400	410	690	400	366	690	400	406
		80	690	400	410	690	400	366	690	400	406
		90	690	400	410	690	400	366	690	400	406
右旋 RD Right Hand	8-8	63	710	450	443	710	450	378	710	450	447
		71	710	450	443	710	450	378	710	450	447
		80	710	450	443	710	450	378	710	450	447
		90	710	450	443	710	450	378	710	450	447
	9-7	71	810	400	474	810	400	434	810	400	444
		80	810	400	474	810	400	434	810	400	444
		90	810	400	474	810	400	434	810	400	444
		100	810	400	474	810	400	434	810	400	444
	9-9	/	/	/	/	/	/	/	/	/	/
		71	810	439	474	810	439	434	810	439	444
		80	810	439	474	810	439	434	810	439	444
		90	810	439	474	810	439	434	810	439	444
	10-8	100	810	439	474	810	439	434	810	439	444
		/	/	/	/	/	/	/	/	/	/
		71	850	465	531	850	465	480	850	465	497
		80	850	465	531	850	465	480	850	465	497
	10-10	90	850	465	531	850	465	480	850	465	497
		100	850	465	531	850	465	480	850	465	497
		/	/	/	/	/	/	/	/	/	/
		112	850	465	531	850	465	480	850	465	497

**SYT-L(LK)**

		0°			90°			180°		
左旋 LG Left Hand										
右旋 RD Right Hand										
型号 Model	电机机座型号 Motor Frame Size	A	B	C	A	B	C	A	B	C
12-9	80	960	494	610	960	494	546	960	494	576
	90	960	494	610	960	494	546	960	494	576
	100	960	494	610	960	494	546	960	494	576
	112	960	494	610	960	494	546	960	494	576
	132	960	494	610	960	494	546	960	494	576
12-12	80	960	580	610	960	580	546	960	580	576
	90	960	580	610	960	580	546	960	580	576
	100	960	580	610	960	580	546	960	580	576
	112	960	580	610	960	580	546	960	580	576
	132	960	580	610	960	580	546	960	580	576
15-11	80	1070	582	687	1070	582	613	1070	582	664
	90	1070	582	687	1070	582	613	1070	582	664
	100	1070	582	687	1070	582	613	1070	582	664
	112	1070	582	687	1070	582	613	1070	582	664
	132	1070	582	687	1070	582	613	1070	582	664
15-15	80	1080	680	687	1080	680	613	1080	680	664
	90	1080	680	687	1080	680	613	1080	680	664
	100	1080	680	687	1080	680	613	1080	680	664
	112	1080	680	687	1080	680	613	1080	680	664
	132	1080	680	687	1080	680	613	1080	680	664
18-13	90	1240	640	821	1240	640	730	1240	640	805
	100	1240	640	821	1240	640	730	1240	640	805
	112	1240	640	821	1240	640	730	1240	640	805
	132	1240	640	821	1240	640	730	1240	640	805
	160	1240	640	821	1240	640	730	1240	640	805
18-18	90	1250	770	821	1250	770	730	1250	770	805
	100	1250	770	821	1250	770	730	1250	770	805
	112	1250	770	821	1250	770	730	1250	770	805
	132	1250	770	821	1250	770	730	1250	770	805

**SYT-R(RK)**

		0°			90°			180°		
左旋 LG Left Hand										
右旋 RD Right Hand										
型号 Model	电机机座型号 Motor Frame Size	A	B	C	A	B	C	A	B	C
7-7	63	690	398	386	690	398	373	690	398	386
	71	690	398	386	690	398	373	690	398	386
	80	690	398	386	690	398	373	690	398	386
	90	690	398	386	690	398	373	690	398	386
8-8	63	710	484	420	710	484	393	710	484	420
	71	710	484	420	710	484	393	710	484	420
	80	710	484	420	710	484	393	710	484	420
	90	710	484	420	710	484	393	710	484	420
9-7	71	810	418	449	810	418	435	810	418	449
	80	810	418	449	810	418	435	810	418	449
	90	810	418	449	810	418	435	810	418	449
	100	810	418	449	810	418	435	810	418	449
	/	/	/	/	/	/	/	/	/	/
9-9	71	810	490	449	810	490	435	810	490	449
	80	810	490	449	810	490	435	810	490	449
	90	810	490	449	810	490	435	810	490	449
	100	810	490	449	810	490	435	810	490	449
	/	/	/	/	/	/	/	/	/	/
10-8	71	850	455	505	850	455	481	850	455	505
	80	850	455	505	850	455	481	850	455	505
	90	850	455	505	850	455	481	850	455	505
	100	850	455	505	850	455	481	850	455	505
	/	/	/	/	/	/	/	/	/	/
10-10	80	860	520	505	860	520	481	860	520	505
	90	860	520	505	860	520	481	860	520	505
	100	860	520	505	860	520	481	860	520	505
	112	860	520	505	860	520	481	860	520	505



SYT-R(RK)

		0°			90°			180°		
左旋 LG Left Hand										
右旋 RD Right Hand										
型号 Model	电机座型号 Motor Frame Size	A	B	C	A	B	C	A	B	C
12-9	80	960	525	583	960	525	547	960	525	583
	90	960	525	583	960	525	547	960	525	583
	100	960	525	583	960	525	547	960	525	583
	112	960	525	583	960	525	547	960	525	583
	132	960	525	583	960	525	547	960	525	583
12-12	80	960	615	583	960	615	547	960	615	583
	90	960	615	583	960	615	547	960	615	583
	100	960	615	583	960	615	547	960	615	583
	112	960	615	583	960	615	547	960	615	583
	132	960	615	583	960	615	547	960	615	583
15-11	80	1070	615	661	1070	615	615	1070	615	661
	90	1070	615	661	1070	615	615	1070	615	661
	100	1070	615	661	1070	615	615	1070	615	661
	112	1070	615	661	1070	615	615	1070	615	661
	132	1070	615	661	1070	615	615	1070	615	661
15-15	80	1080	715	661	1080	715	615	1080	715	661
	90	1080	715	661	1080	715	615	1080	715	661
	100	1080	715	661	1080	715	615	1080	715	661
	112	1080	715	661	1080	715	615	1080	715	661
	132	1080	715	661	1080	715	615	1080	715	661
18-13	90	1240	696	791	1240	696	730	1240	696	791
	100	1240	696	791	1240	696	730	1240	696	791
	112	1240	696	791	1240	696	730	1240	696	791
	132	1240	696	791	1240	696	730	1240	696	791
	160	1240	696	791	1240	696	730	1240	696	791
18-18	90	1250	820	791	1250	820	730	1250	820	791
	100	1250	820	791	1250	820	730	1250	820	791
	112	1250	820	791	1250	820	730	1250	820	791
	132	1250	820	791	1250	820	730	1250	820	791
	160	1250	820	791	1250	820	730	1250	820	791

SYT系列风机运行极限

SYT Series Fan Operational Limits

			7-7	8-8	9-7	9-9	10-8	10-10	12-9	12-12	15-11	15-15	18-13	18-18
极限吸收功率 Max.Absorbed Power	L-R	Kw	1	1.5	2	2	2	3	4	4	2.5	3	4	4
	LK-RK	Kw	/	/	/	/	/	/	/	/	6	8	10	12
	L2-R2	Kw	2	3	4	4	4	6	8	8	12	16	20	24
极限转速 Max.Speed	L-R	rmp	2200	2200	2200	1800	1800	1800	1600	1500	1000	900	800	700
	LK-RK	rmp	/	/	/	/	/	/	/	/	1300	1200	1200	1100
	L2-R2	rmp	2200	2200	2200	1800	1800	1800	1600	1500	1300	1200	1200	1100
极限温度 (最低-20°C) Air Temperature Limits ( Min-20°C )	L-R	Max:°C	85	85	85	85	85	85	85	85	85	85	85	85
	L2-R2	Max:°C	85	85	85	85	85	85	85	85	85	85	85	85
轴承额定动载荷 Bearing Dynamic Load	L-R	N	12800	12800	12800	12800	14000	14000	14000	14000	14000	14000	14000	14000
	LK-RK	N	/	/	/	/	/	/	/	/	19500	19500	25700	25700
	L2-R2	N	12800	12800	12800	12800	14000	1400	14000	19500	19500	19500	25700	25700
风机质量 Fan Weight	L	Kg	6	7	8	9.5	10	11	15.2	18.2	21.2	24.7	32.4	39.6
	R	Kg	8.5	9.5	10.2	11.4	12.3	13.2	19.1	22	25.1	29.4	39.6	45.5
	LK	Kg	/	/	/	/	/	/	/	/	24.5	28.2	38.6	45.8
	RK	Kg	/	/	/	/	/	/	/	/	28.5	32.8	45.8	51.7
	L2	Kg	14	15.6	17.9	21.7	22.2	25.3	33.9	40.6	47.6	54.3	69.3	84.6
R2	Kg	20	24	25.8	29.7	29.7	34.1	50	56	63	74.8	100.1	116.3	

本样本中所述的风机特性,如尺寸、性能参数等,本公司保留更改的权利,恕不另行通知;如有不明之处,请来电询问。

This fan features described in the sample, such as size, performance parameters, the Company reserves the right to change without notice; if unknown place, please call us.