



离心风机系列

Centrifugal Fans Series

S Y Q S / S Y D S

企业简介

浙江亿利达风机有限公司成立于1994年，是国内规模最大的空调风机、工程风机生产企业之一，公司总部位于浙江台州，总占地面积148000平方米，总资产3亿余元。旗下设有广东亿利达风机有限公司与宁波丰源工贸有限公司，并与德国华德公司合资成立了台州华德通风机有限公司。

1998年亿利达在行业内率先通过ISO9001质量管理体系认证;2001年成为美国AMCA协会会员,按美国AMCA标准要求建立了风机综合性能试验室；2005年通过ISO14001环境体系认证；“亿利达”连续多次被评为浙江省著名商标、浙江省名牌产品。

公司开发生产的离心风机、轴流风机、箱式风机、屋顶风机、管道风机等系列产品，经权威机构检测和广大客户使用，性能达到国内领先水平，是行业的主导产品，多项产品列为国家重点新产品、国家级火炬计划项目、通过AMCA产品认证。产品广泛应用于通风系统、制冷空调等行业。

公司以“致力风机产业发展、开发节能环保产品、树立行业精品典范、打造国际知名品牌”为企业使命，拥有完善的服务体系及良好的信誉，为顾客提供最具性价比的产品和服务，努力打造具有国际竞争力的知名品牌。

亿利达以先进的管理理念以及完善的质量保证体系为基础，不断吸收和引进具有先进水平的高新技术，积极推进产品的持续改进和技术创新，确保每一个生产环节都得到严格的控制，使亿利达始终趋于行业领先地位。

Introduction Of Enterprise

Zhejiang Yilida Ventilator Co., Ltd. established in 1994 is one of the largest A/C ventilator and industry ventilator manufacturers in China. Its headquarter locates in Taizhou, Zhejiang, with a total 148,000 square meters and more than 3 hundred million RMB of total assets. It has two subsidiaries: GuangDong Yilida Ventilator Co., Ltd. and Ningbo FengYuan Industrial Trade Co., Ltd. Moreover, the company and WOLTER have set up a new joint venture company, Taizhou Wolter Ventilation Co., Ltd.

Zhejiang Yilida Ventilator Co., Ltd. passed ISO9001 quality system certification in 1998, and is the first company in the industry to get such a certificate; it became a member of AMCA International in 2001, and established a ventilator laboratory for comprehensive performance according to AMCA International; and it was awarded ISO14001 environment system certificate in 2005. “YILIDA” is awarded Zhejiang Province’ s famous trademark and the products are recognized as Zhejiang Province well-known brands in consecutive years.

The line of products, including centrifugal fans, axial fans, cabinet fans, roof fans and duct fans etc. are tested by such authority inspection institutions and validated by most customers. Consequently, they are proved to be at the advanced level in China and stand on the outstanding position in this industry. Most of the products are enlisted into national key new products and Nation Torch project, and licensed to bear the AMCA seal. The products are widely used in Refrigeration Air Conditioning, ventilation system and other various industries.

Zhejiang Yilida Ventilator Co., Ltd’ s mission statement: “Dedicate to the development of ventilator industry; develop the energy-saving, environmental products; set up the model of industry; and create a world-known brand” . Yilida will provide customers the most reliable products with very competitive price and high efficient service to build well-known brand in international Competition.

On the basis of the advanced management idea and perfect quality system, Yilida constantly absorbs and adapts the new advanced technology; actively promote the products, precisely control the quality in each of working process, as a result, to keep it standing on the leading position in the industry.

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产品型式

1. 旋向

SYQS、SYDS系列单进风离心风机可分为左旋(LG)和右旋(RD)两种旋转方式，从风机皮带轮一端正视，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。

2. 出风口方向

SYQS、SYDS系列风机可按图1所示制成0°、90°、180°、270°四种出风方向。

Type of Product

1. Direction of Rotation

SYQS、SYDS Series of single inlet ventilator can be divided into two direction of rotations, left-hand rotation(LG) and right hand rotation (RD); Viewing from end of motor outlet line, if the impeller rotates clockwise, it is called right hand ventilator; If the impeller rotates anti-clockwise, it is called left hand ventilator.

2. Direction of Air Outlet

According to Fig 1, SYQS、SYDS Series ventilator can be made in four air-outlet directions: 0°, 90°, 180°, and 270°.

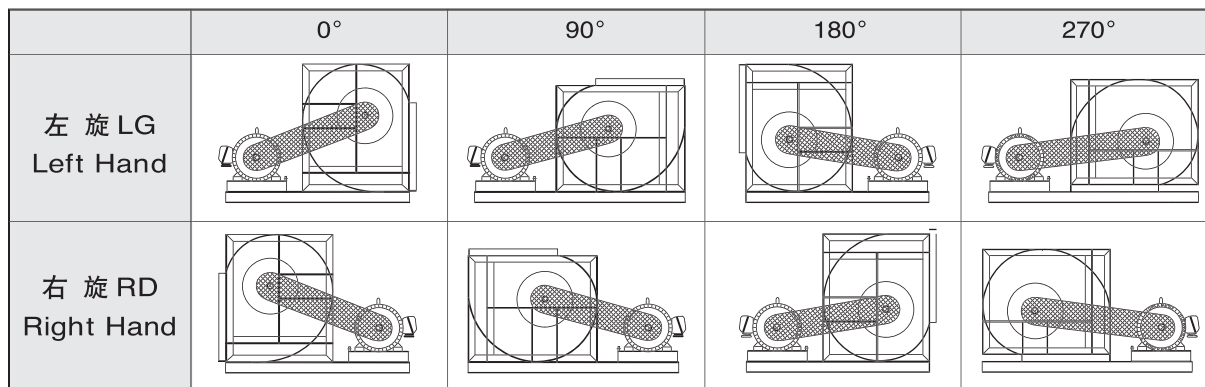


图1 (Fig1)

3. 结构形式

SYQS、SYDS系列风机可按图2所示制成R型、E型、C型。

3. Type of structure

According to Fig 2, SYQS、SYDS series ventilators can be divided into Category R, Category E and Category C.

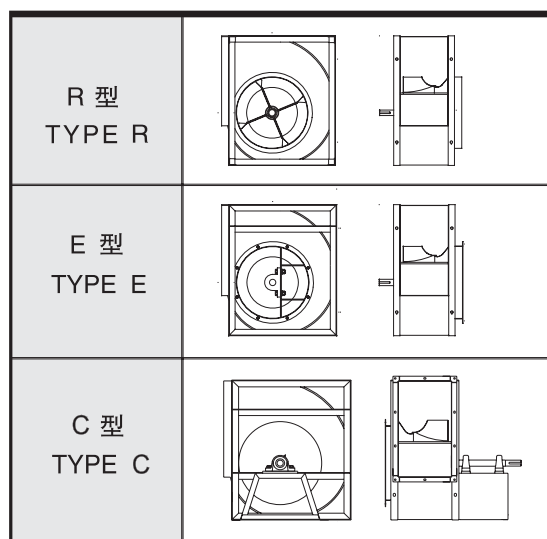


图2 (Fig2)



产品结构

SYQS、SYDS 单进风离心系列风机主要由机壳、叶轮、框架、轴承、轴、进出口法兰构成。

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，蜗板采用点焊或咬口的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。后向叶轮采用优质冷轧钢板制成，按三元流理论设计的单板型叶片焊接在经数控机床加工的中盘和端圈上，整体喷塑。叶轮出厂前按高于国家标准的内控动平衡等级全检合格。

3. 框架

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；E型、C型风机框架由角钢和扁钢焊接制成，表面喷塑，以保证足够的刚度和强度。

4. 轴承

SYQS、SYDS 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；R型风机的轴承安装在轴承支架上，并设有防振垫圈；E型、C型风机则采用带座向心球轴承。

5. 轴

风机轴采用40Cr或45#钢经粗加工、调质处理及磨削加工制成，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。

6. 进出口法兰

进风口法兰采用优质冷轧钢板制成，整体喷塑。出风口法兰采用热镀锌钢板制成，出风口法兰与蜗壳的连接采用TOX免焊工艺，外观精美，并具有足够的刚度与强度。

Construction of Product

SYQS、SYDS series ventilators are mainly consisted of scroll, impeller, frame bearing, shaft, inlet and outlet flange.

1). Scroll

The scroll is made of hot galvanizing steel sheet. Its side plate has an outline complying with aerodynamics. The scroll plate fixed to the side plates by means of "electric spot welding".

2. Impeller

Forwards curved radial impellers the impeller is made of high grade hot galvanizing steel sheet and is designed to a special configuration according to aerodynamics to make the efficiency highest and the noise lowest. The impeller is fixed on the middle disk plate and on the end ring with riveting grippers. The impeller has enough rigidity during continuous rotation with maximum power. Backwards curved radial impellers are made of high grade cold-rolled sheet. The vane blades which are designed in three-dimensional theory are welded between middle tray and endmost. Before leaving factory, all impellers have passed all-round dynamic balance test according to the Company Standard which is higher level than National Standard.

3. Frame

The frames for type R ventilators 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 molds to assure their high accuracy and the rigidity of the frames; The frames for type E, type C ventilators are welded by angle steel and flat, steel and they are finished with polyester coatings in order to assure sufficient rigidity and intensity.

4. Bearings

Ball bearings are used in all of the SYQS、SYDS Series ventilators. They are high quality bearings and they are selected to minimize the ventilator noise levels. The bearings are pre-lubricated, sealed, and self-centering. For type R ventilators, the bearings are mounted using vibration resistant washers. For type E, type C ventilators, self-aligning pillow block ball bearings are used. Type C ventilators bearings are supplied with lubrication fittings.

5. Shaft

The shafts are made of 40 Cr or C45 carbon steel bars. The shafts are rough machined and then stress relieved before final machining. The shaft diameters are machined to very accurate tolerance levels and they are fully checked to assure precision fits. They are coated after assembly in order to provide corrosion resistance.

6. Inlet and Outlet Flange

The inlet flange are made of high grade cold-rolled sheet and painted with polyester coatings. The outlet flange is made of galvanized steel. The connections of the flange components to each other and 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

1. 该样本中风机性能均指在标准状态下的性能，即风机进气状态为：

进气压力 $P_a = 101.325\text{KPa}$
 进气温度 $t = 20\text{ }^\circ\text{C}$
 进气气体密度 $\rho = 1.2\text{Kg/m}^3$

若用户实际使用的气体进气状态或使用的风机转速改变时则可按下关系式换算：

$$\frac{Q_0^*}{Q_0} = \frac{n^*}{n}$$

$$\frac{P_0^*}{P_0} = \frac{n^{*2}}{n^2} \cdot \frac{\rho^*}{\rho} \quad \frac{P_0^*}{P_0} = \frac{n^{*2}}{n^2} \cdot \frac{P_a^*}{P_a} \cdot \frac{273+t}{273+t^*}$$

$$\frac{N_{in_0}^*}{N_{in_0}} = \frac{n^{*3}}{n^3} \cdot \frac{\rho^*}{\rho} \quad \frac{N_{in_0}^*}{N_{in_0}} = \frac{n^{*3}}{n^3} \cdot \frac{P_a^*}{P_a} \cdot \frac{273+t}{273+t^*}$$

上述式中

- 流量 $Q_0(\text{m}^3/\text{h})$ 、全压 $P_0(\text{Pa})$ 、转速 $n(\text{r/min})$ 、内功率 $N_{in_0}(\text{Kw})$ 由性能曲线上查得。
- 右上角加符号 “*” 的则为用户实际使用气体进气状态下所需的性能参数。
- 上式中略去了相对湿度的差别。

2. 性能曲线图上的功率 N_{in_0} 是指风机的内功率。

- 风机轴功率： $N_s = N_{in_0}/\eta_m$

式中： N_s —风机轴功率

η_m —风机机械效率

风机机械效率的取值方法可参照表 1。

Performance of Ventilator

1. The ventilator performance in this catalogue denotes the performance in standard conditions. It denotes air inlet conditions of ventilator as follows:

Air inlet pressure $P_a = 101.325\text{KPa}$
 Air temperature $t = 20\text{ }^\circ\text{C}$
 Inlet gas density $\rho = 1.2\text{Kg/m}^3$

If the practical air inlet conditions of constomer or the speed of the operating ventilator changes, the conversion can be carried out according to the following expression:

$$\frac{Q_0^*}{Q_0} = \frac{n^*}{n}$$

$$\frac{P_0^*}{P_0} = \frac{n^{*2}}{n^2} \cdot \frac{\rho^*}{\rho} \quad \frac{P_0^*}{P_0} = \frac{n^{*2}}{n^2} \cdot \frac{P_a^*}{P_a} \cdot \frac{273+t}{273+t^*}$$

$$\frac{N_{in_0}^*}{N_{in_0}} = \frac{n^{*3}}{n^3} \cdot \frac{\rho^*}{\rho} \quad \frac{N_{in_0}^*}{N_{in_0}} = \frac{n^{*3}}{n^3} \cdot \frac{P_a^*}{P_a} \cdot \frac{273+t}{273+t^*}$$

where:

- Volume $Q_0(\text{m}^3/\text{h})$, total pressure $P_0(\text{Pa})$, speed $n(\text{r/min})$ can be obtained from Performance chart.
- Asterisk (*) on the upper right corner denotes the performance parameter needed by the customers in practical gas inlet conditions.
- The difference in relative humidity is omitted from the above-mentioned formulas.

2. The power (N_{in_0}) on the performance chart the internal power of the ventilator.

- Shaft power of ventilator: $N_s = N_{in_0}/\eta_m$

where: N_s —Shaft power of ventilator

η_m —Mechanical efficiency of ventilator

The value of mechanical efficiency of ventilator can be obtained from Table 1.

风机传动方式Way of ventilator driving	η_m
电机直联传动electric motor directiy driven	1
联轴器直联传动Coupling directly driven	0.98
三角皮带传动V-belt driven	0.95

表1 (Table1)

(2) 配套电机的功率: $N = N_s \cdot K$

式中: N —配套电机的功率

K —电机容量安全系数

电机容量安全系数的取值方法可参照表2。

(2) The rated power of the drive motor equals the total required shaft input power multiplied by the safety factor:

$$N = N_s \cdot K$$

where: N = rated power of drive motor

K = required safety factor

The required safety factor is provided in Table 2.

电机功率Power of electric motor(Kw)	K值Value k
$\leq 2.2\text{Kw}$	1.2
$\leq 11\text{Kw}$	1.15
$> 11\text{Kw}$	1.1

表2 (Table2)

3. 噪声：噪声等级显示在每个性能表上。

L_{wiA}为总声功率级的A计权声级。计算所得的总声功率级用表3中倍频谱的A计权衰减值换算至A声功率级。

3. Noise: The noise levels shown on each performance chart, L_{wiA}, refer to the overall sound power "A-Weighted" levels. The computed sound power levels were converted into A-Weighted levels using adjustments to the octave band spectrum as follows:

中心频率 Center Frequency Hz	63	125	250	500	1000	2000	4000	8000
调整为A-Weighted Adjustment dB(A)	-25.5	-12.5	-8.5	-3	0	+1	+1	-1

表3 (Table3)

总声压级L_{piA}能利用总声能等级按如下公式计算：

无边界状态：L_{piA} = L_{wia} - (20 log₁₀ d) - 11

室内状态：L_{piA} = L_{wia} - (20 log₁₀ d) - 7

式中：d = 离风机距离(m)

The overall sound pressure levels, L_{piA}, can be computed from the overall sound power levels as follows:

Free Field Conditions: L_{piA} = L_{wia} - (20 log₁₀ d) - 11

Room Conditions: L_{piA} = L_{wia} - (20 log₁₀ d) - 7

Where: d = distance from fan in meters.

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. 中心距应控制在 $0.7(d_1+d_2) < a < 2(d_1+d_2)$ ，后倾风机皮带速度应控制在25~35m/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，如图3。
6. 把皮带套进皮带轮，不要撬、挤压，以免损伤皮带。
7. 调整张紧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，皮带紧的一边应是一个皮带轮连成的一直线，松的一边有轻微弧形。

V-BELT DRIVE INSTALLATION

1. Remove the protective coating from the ends of the fan shaft and assure that the shaft ends are free of nicks and burrs.
2. Check fan and motor shafts for parallel and angular alignment.
3. The center distance must be controlled as $0.7(d_1+d_2) < 2(d_1+d_2)$; the belt speed of the fan should be more than 25 m/s, but less than 35m/s, ($25 < v < 35$ m/s).
4. Slide sheaves on to the shafts - do not drive the sheaves on to the shafts as this may result in bearing damage.
5. Align fan and motor sheaves with a straight-edge or string, and tighten. as shown in Fig3.
6. Place belts over the sheaves. Do not pry or force the belts as this could result in damage to the cords within the belts.
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.

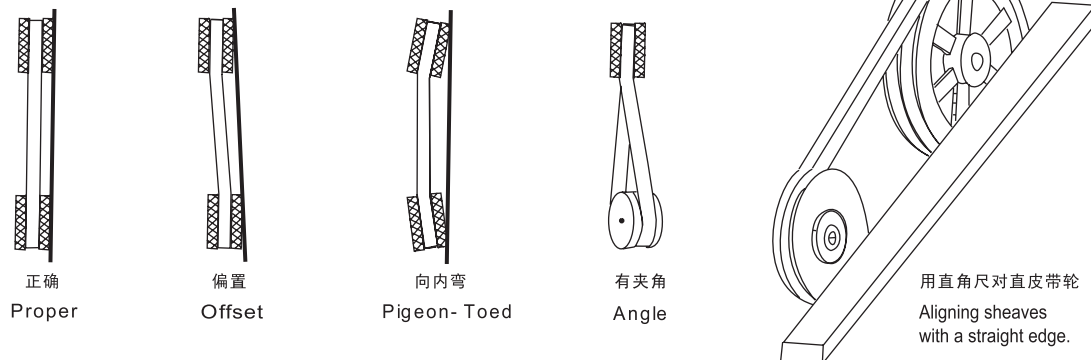


图3 (Fig3)

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来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出尖叫声为止，如发出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，如有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。

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

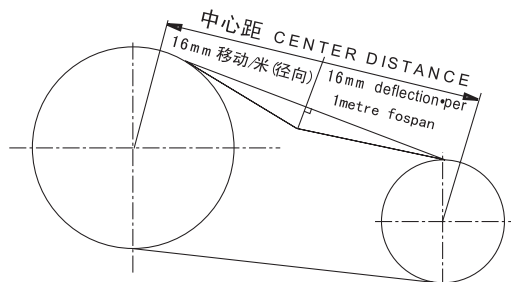


图4 (Fig4)

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，如果清除下来的油脂看起来还是新的，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。

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以及电机型号规格。若需配套皮带、皮带轮、电机、安装底座等配件及它特殊要求可在订货时提出。

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, then excessive loads will be imposed on the belts and the bearings, and this will reduce the lives of both of these components. If the belt tension level is too low, then 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 ventilator is started. A very short period of noise during the starting of a ventilator is allowable, but a squeal lasting several seconds or longer is not acceptable. After tensioning the belts and before starting the ventilator, check to make sure that the sheaves are 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.

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	千克力 Kilogram force (Kgf)
SPZ	56-95	13-20	1.3-2.0
	100-140	20-25	2.0-2.5
SPA	80-132	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	80-140	10-15	1.1-1.5
B	125-200	20-30	2.0-3.1

表3(Table3)

Bearing Lubrication

The ventilator bearings are filled with lubricant when they come from the factory, so the bearings do not require any additional grease to be supplied before starting the ventilator.

The ventilator that are equipped with pillow block bearings are provided with lubrication fittings, and these fittings allow for additional lubrication to be 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 grease used. The best way to determine the required frequency of lubrication is to inspect the condition of the grease that is discharged from the seals 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, then this indicates that the grease is being oxidized and more frequent lubrications of the bearings are required.

Instructions

1) . During ordering it is necessary to state the type of ventilator, speed, air volume, air pressure, direction of air outlet, rotating direction, type of electric motor and its specifications.

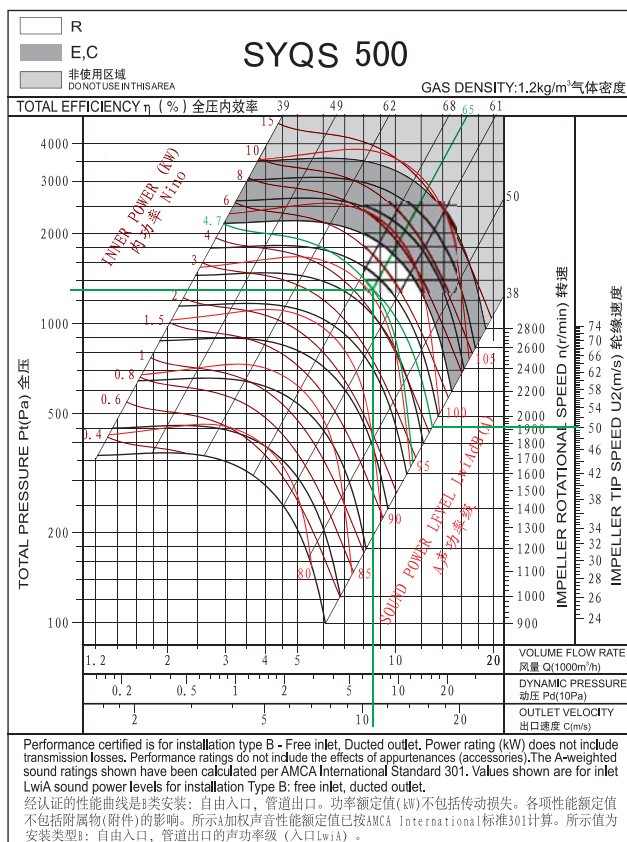


- 2) . 在安装前应对风机各部件进行检查, 对叶轮、主轴和轴承等主要机件应重点细致检查, 若有损伤应修复后再安装使用。
- 3) . 检查机壳和其它壳体内部, 不应有掉入、遗留的工具和杂物。
- 4) . 风机正式运转前, 需检查电机的转向是否符合风机转向的要求。
- 5) . 风管与出风口之间应采用软连接, 接头不得拉紧。
- 6) . 风机安装后用手或杠杆拨动叶轮, 检查是否过紧或碰撞现象, 确认无这些现象时方可进行试转。
- 7) . 风机配用电机功率是指在特定工况下, 风机内功率加上机械损失与电机容量安全系数而言, 并非出风口全敞开时所需的功率。为防止电机超功率运转而烧毁, 严禁风机出风口或进风口不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)性和尘粒物质小于150mg/m³的气体、温度小于85℃大于-20℃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。

- 2) Prior to installation, the ventilator should be carefully inspected. Special care should be taken in checking the shaft, impeller and bearings. If there is an indication of any damage, then the damaged parts should be repaired or replaced before the ventilator is installed or operated.
- 3) The inside of the scroll and casing need to be checked to make sure that there are no foreign objects contained therein, such as tools or loose parts.
- 4) The rotational directions of the motor and impeller should be checked to assure that they are consistent with each other.
- 5) A flexible connector should be used between the ventilator outlet flange and its mating pipe. The bolts used to fasten the outlet flange to the pipe should not be over-tightened.
- 6) Following the installation, the impeller should be turned by hand or with the use of a wrench to make sure that it turns freely. Once this is verified, the ventilator can be operated normally.
- 7) The rated motor power as calculated herein is not sufficient to drive the ventilator with an unrestricted discharge flow path. Operating the ventilator with an unrestricted discharge flow path will result in flow rates that exceed the ventilator flow rate capabilities, and such operation will quickly burn out the motor. So care must be taken in operating the ventilators to make sure that the maximum rated flows, as provided on the performance charts in this brochure, are not exceeded.
- 8) This fan is restricted for use in areas where air substances are non-corrosive and non-toxics non-alkaline or where dust partides<150mg/m³, -20℃ < temperature < 85℃. If special conditions during transportaion, load and unload, it is strictly prohibited to Shock the ventilators.

示意图例

Example Of Cruve Reading



风量	
Volume	V=8500 m ³ /h
全压	
Total Pressure	Pt=1300 Pa
动压	
Dynamic Pressure	Pd=70Pa
出口速度	
Outlet Velocity	C=10.8 m/s
转速	
Speed	n= 1920 r/min
轮缘速度	
Impeller Tip Speed	U ₂ =50. 2 m/s
内功率	
Inner Power	Nino= 4. 7kW
声功率级	
Sound Power Level	Lwi A=95. 1dB(A)
全压内效率	
Total Pressure Efficiency	η = 65. 3%

SYQS系列单进风离心式空调风机

SINGLE INLET CENTRIFUGAL VENTILATORS WITH BACKWARD WHEELS

概述

SYQS系列后向单进风离心风机采用国际同类产品先进技术自行开发，该样本列出的从280~1400的15种规格风机，流量范围从700m³/h~120000m³/h，全压从200Pa~3000Pa，产品具有效率高、噪声低、耗能少、通用性强、安全性好等特点。广泛应用于各类中央空调机组及其它暖通空调、净化、通风等空调系统。

Outline

The SYQS series of single inlet centrifugal fans with backward blade was developed by using international technologies. The SYQS Series includes 15 models as described in this brochure. The volume flow ranges of the SYQS series varies from 700 cubic meters per hour to 120,000 cubic meters per hour, and pressure ranges from 200Pa to 3000Pa. Some of the features and characteristics of these ventilators are: high efficiency, low noise, and low power consumption. These ventilators are ideal for use in central air conditioning systems, heating and ventilating air conditioning systems, and in purifiers. They are also suitable for use in a number of other ventilator applications.



浙江亿利达风机有限公司特此证明，此处所示SYQS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标准211和AMCA标准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，他们的认证数据见第09到23页。

Zhejiang Yilida Ventilator Co., LTD. certifies that the SYQS Centrifugal Ventilators 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 of the Centrifugal Ventilators described herein are licensed to bear the AMCA Seal, and their certified ratings are shown on pages 09 through 23.



命名方式

SYQS系列风机命名方式由风机系列代号、叶轮名义直径、结构型式组成：

SYQS - 560 R

结构型式 Construction type

R 型 (基本型)

Type R (Basic model)

E 型 (加强型)

Type K (Enhanced model)

C 型 (悬臂型)

Type C (Hanging model)

叶轮名义直径 (mm)

Nominal diameter of impeller (mm)

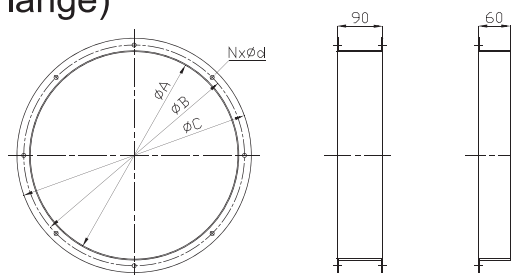
后向单进风离心风机系列代号

series of single inlet centrifugal fan with backward wheels

Designation of Products

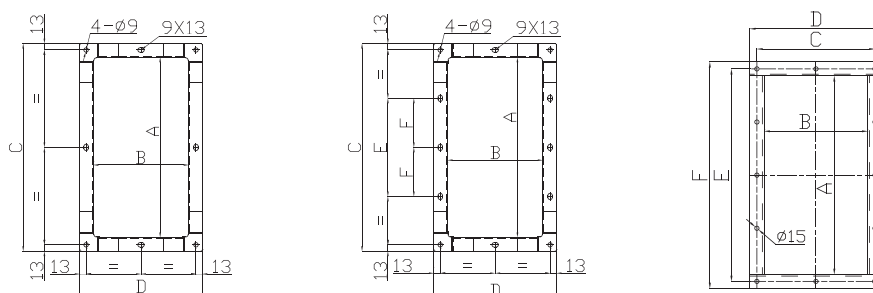
The model designations signify the nominal impeller outside diameters:

进风口法兰 (Inlet Flange)

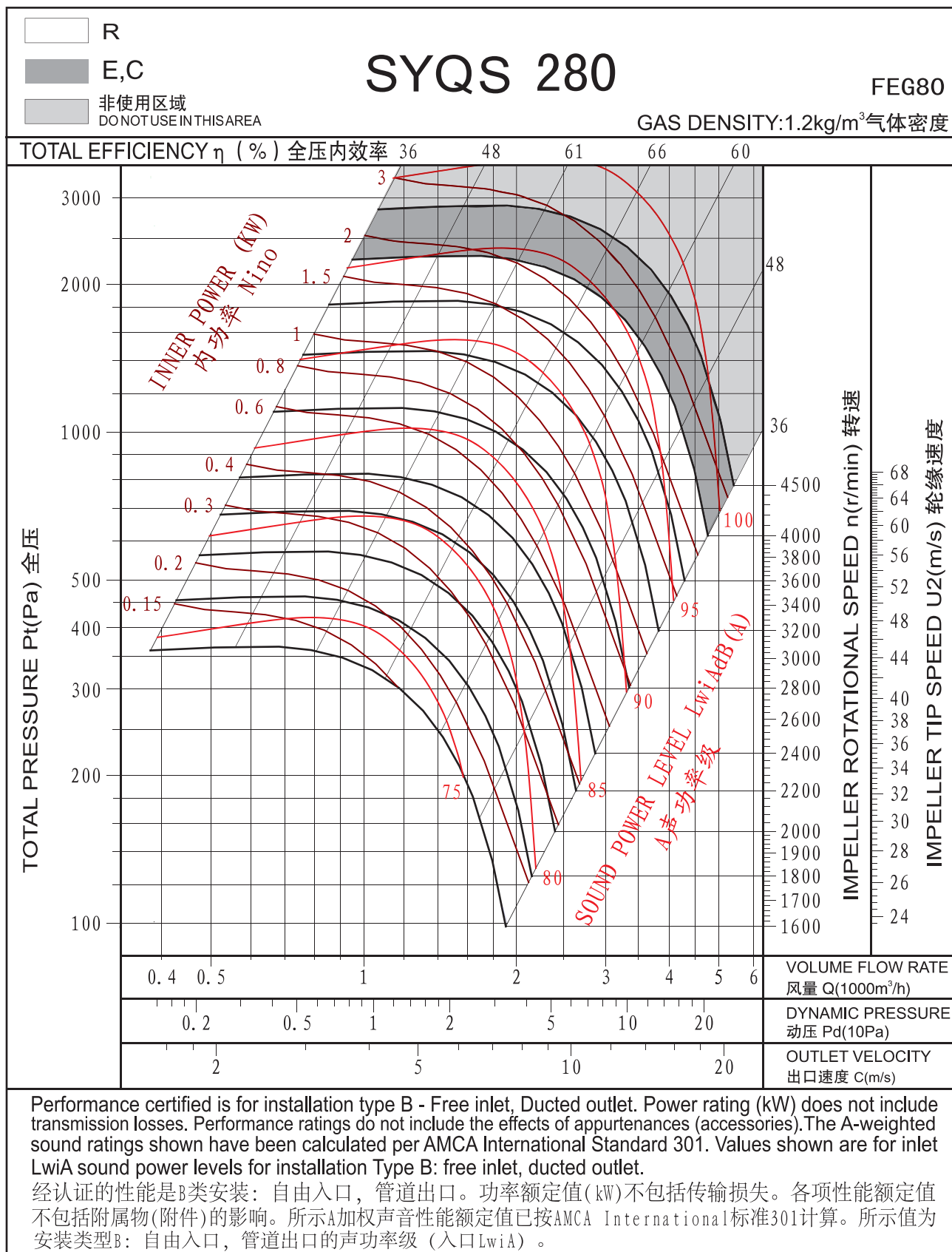


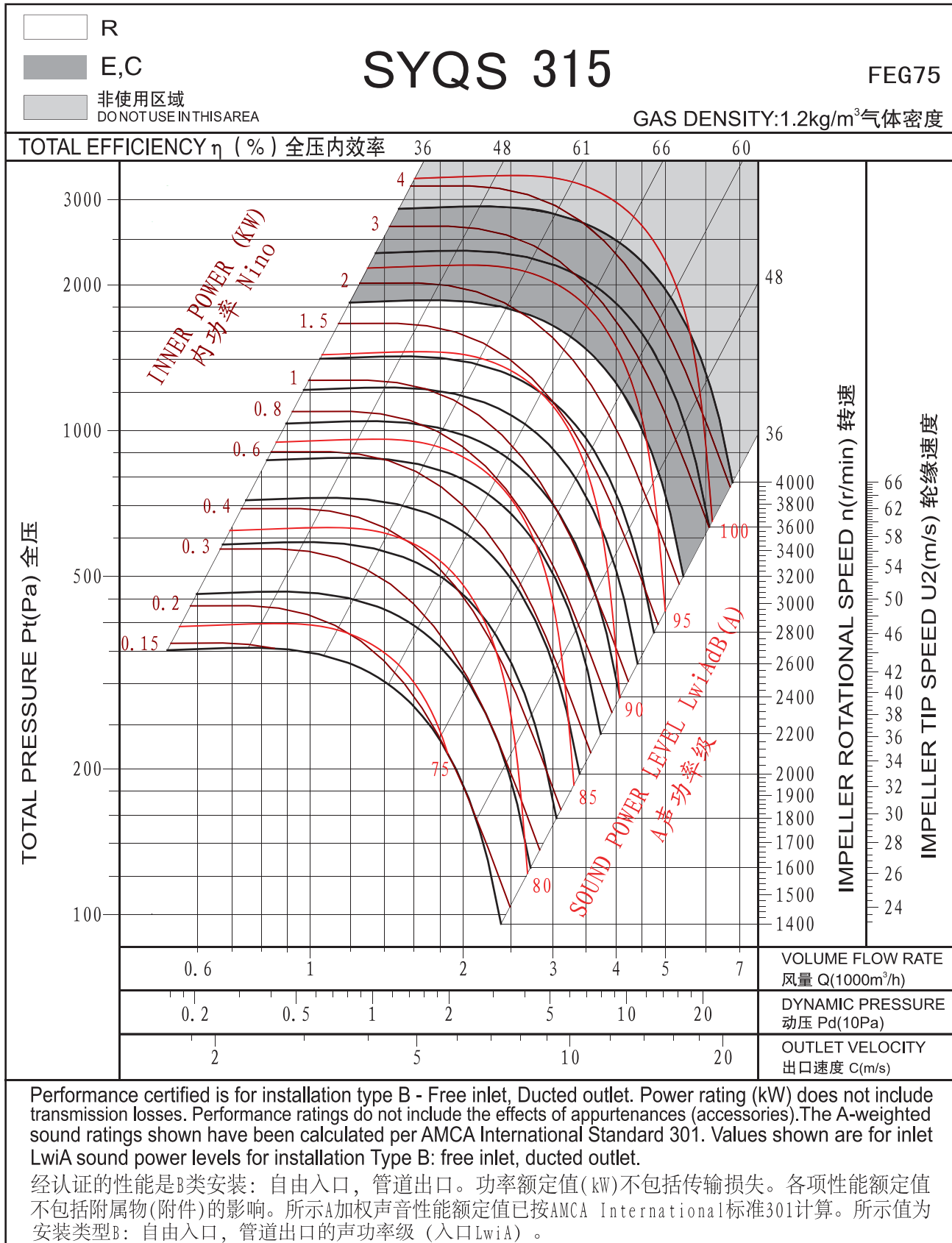
型号 Type	280	315	355	400	450	500	560	630	710	800	900	1000	1120	1250	1400
A	292	322	362	404	448	510	570	635	722	808	896	996	1130	1264	1404
B	325	344	386	432	485	544	605	670	750	844	945	1044	1180	1310	1450
C	355	383	423	466	515	570	635	700	778	875	980	1080	1226	1360	1500
N-d	6x7	6x7	8x9	8x9	8x9	8x11	8x11	10x13	10x13	12x13	12x13	12x13	12x15	16x17	16x17

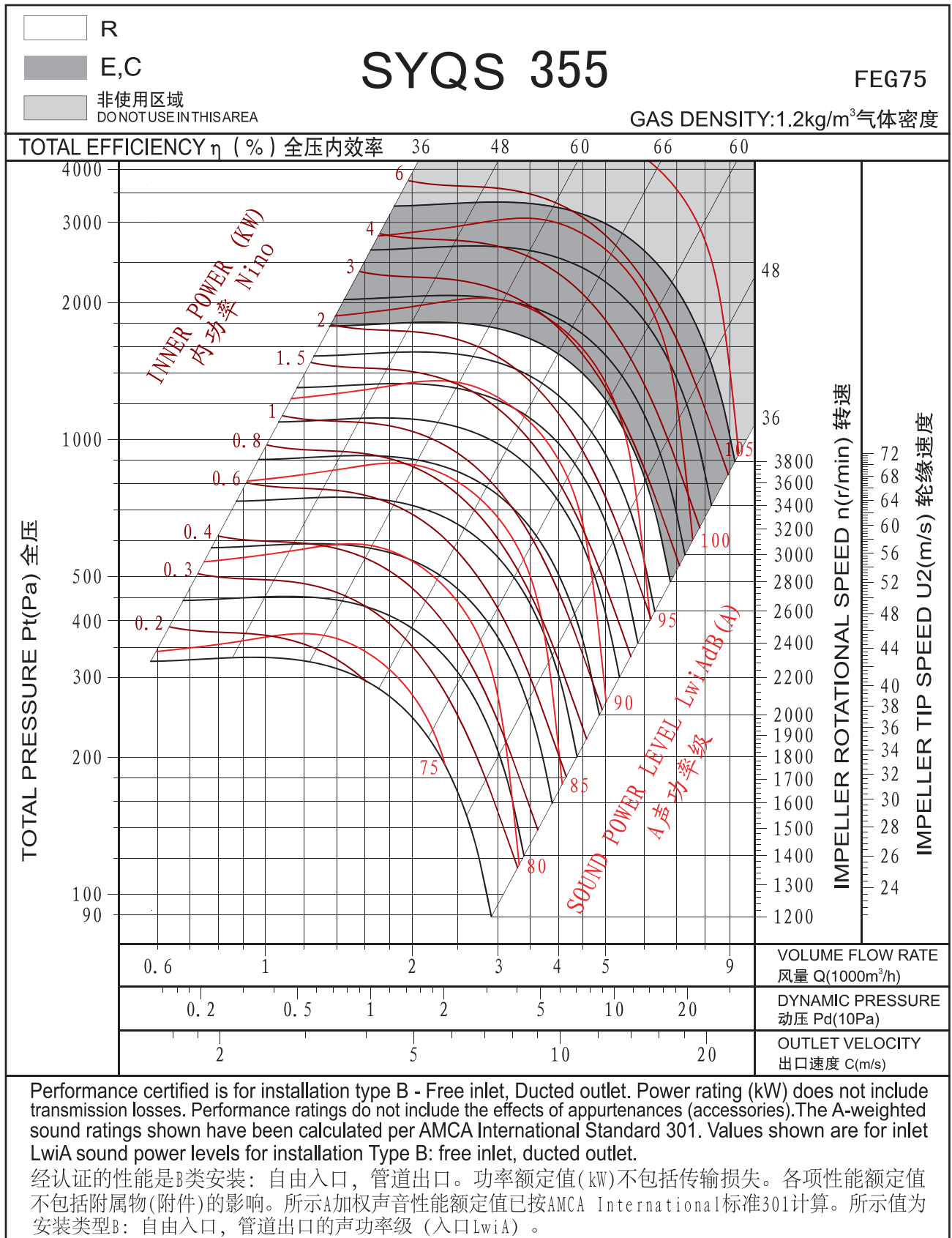
出风口法兰 (Outlet Flange)

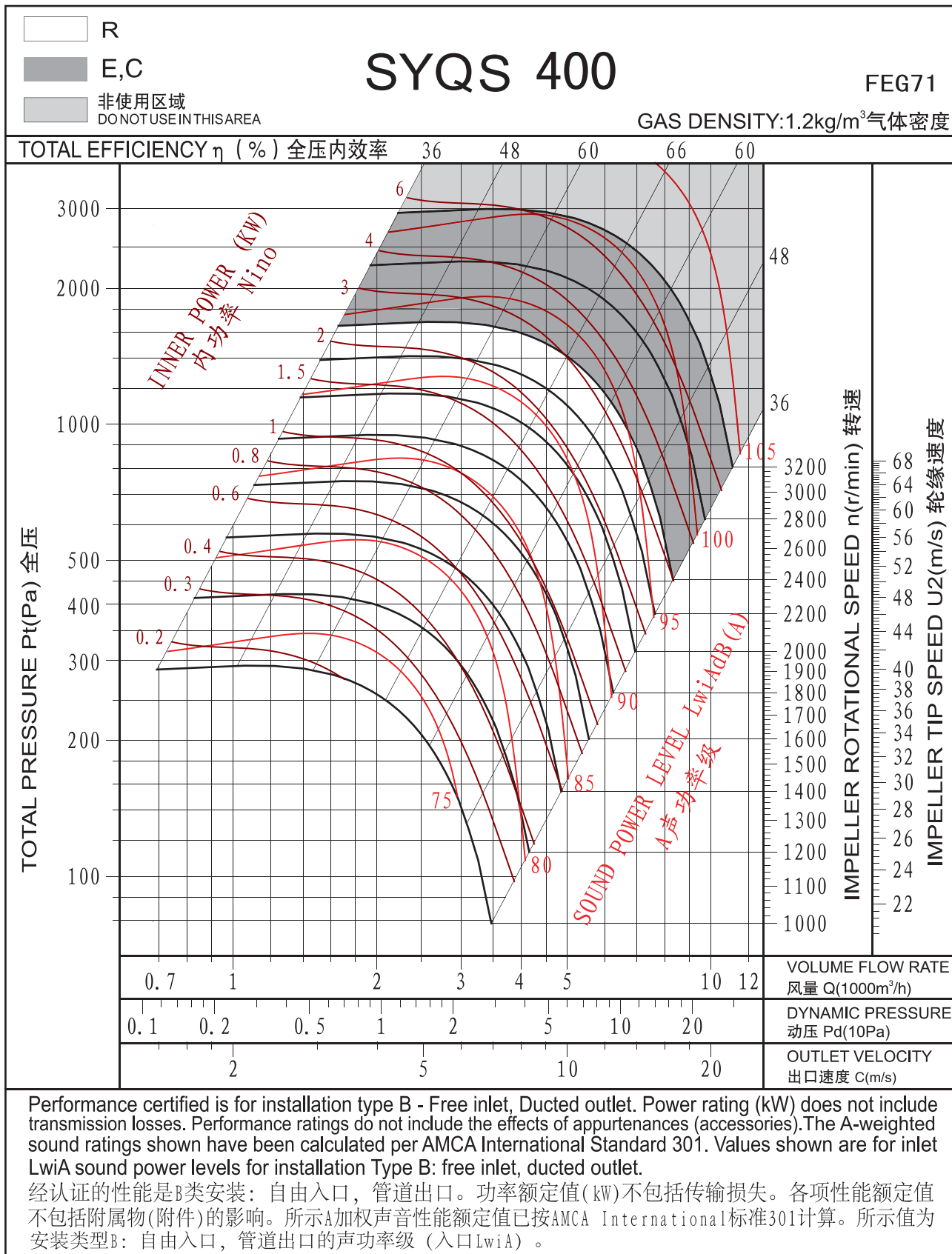


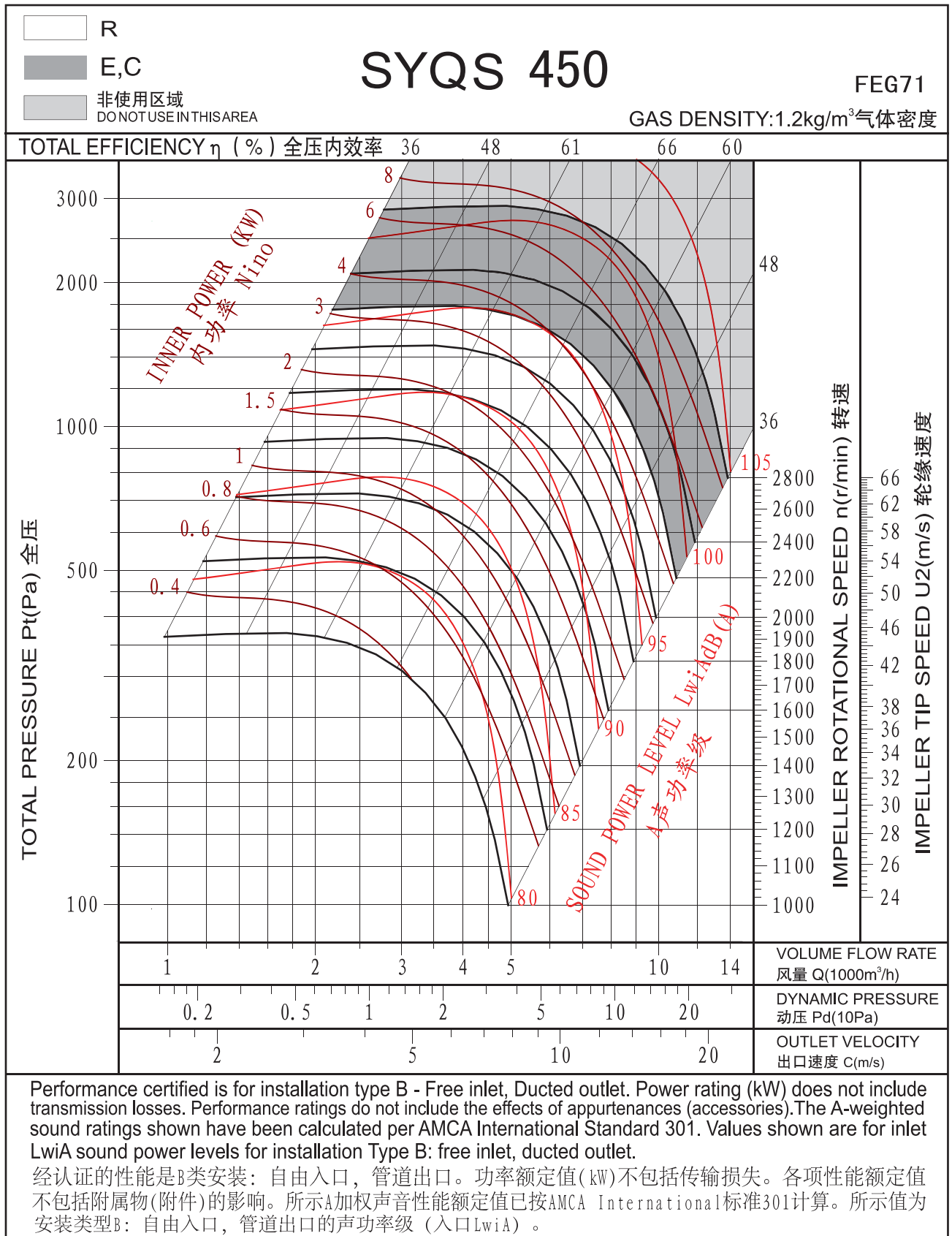
型号 Type	280	315	355	400	450	500	560	630	710	800	900	1000	1120	1250	1400
A	361	404	453	507	569	638	715	801	898	1007	1130	1267	725	800	902
B	197	223	247	274	308	344	383	432	478	533	595	663	1426	1588	1776
C	417	460	509	563	625	684	771	857	954	1063	1186	1323	777	850	952
D	253	279	303	330	364	400	439	488	534	589	651	719	825	900	1002
E	\	\	\	200	200	250	250	300	400	500	600	700	1478	1638	1826
F	\	\	\	\	\	\	\	\	200	250	300	350	1526	1688	1876

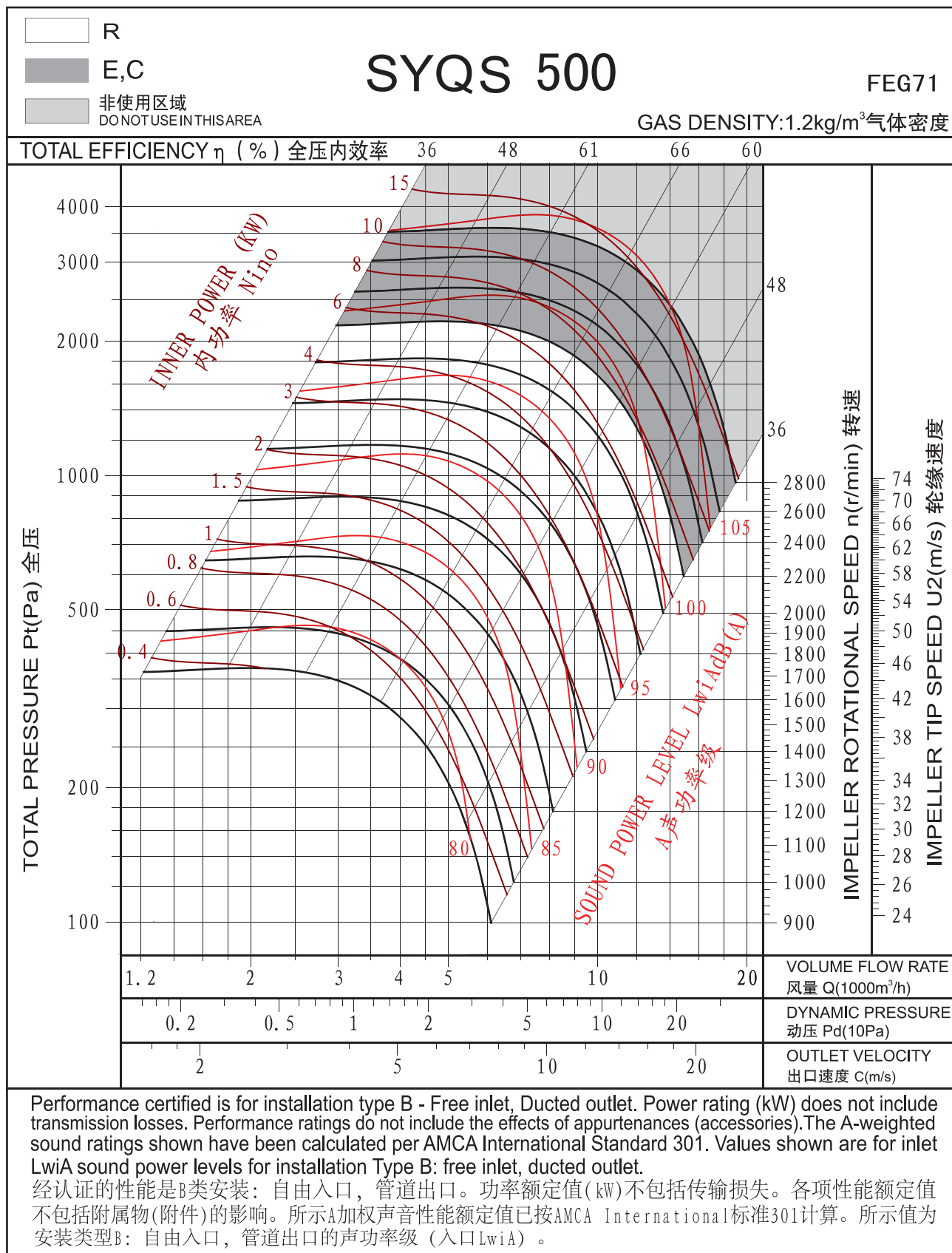


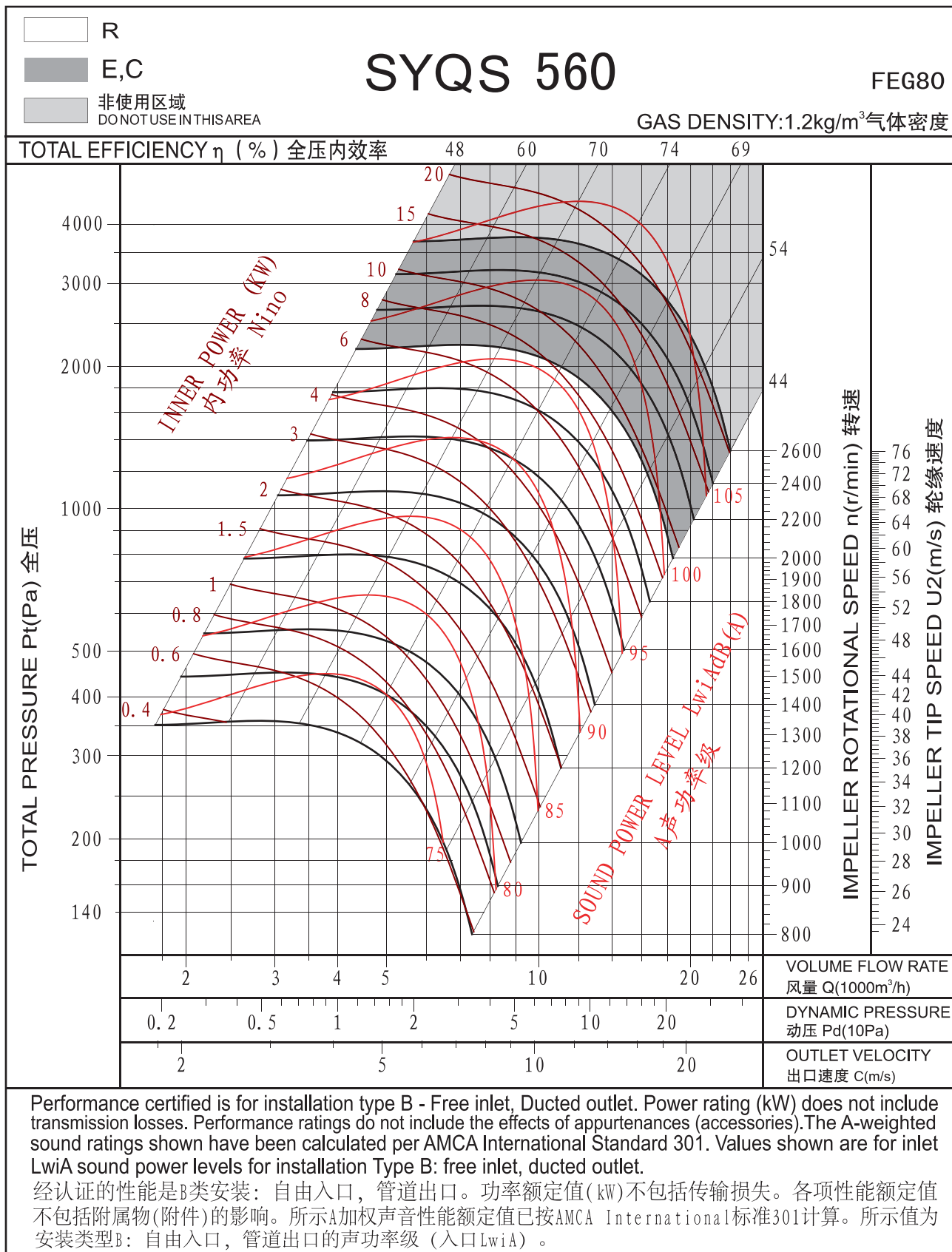


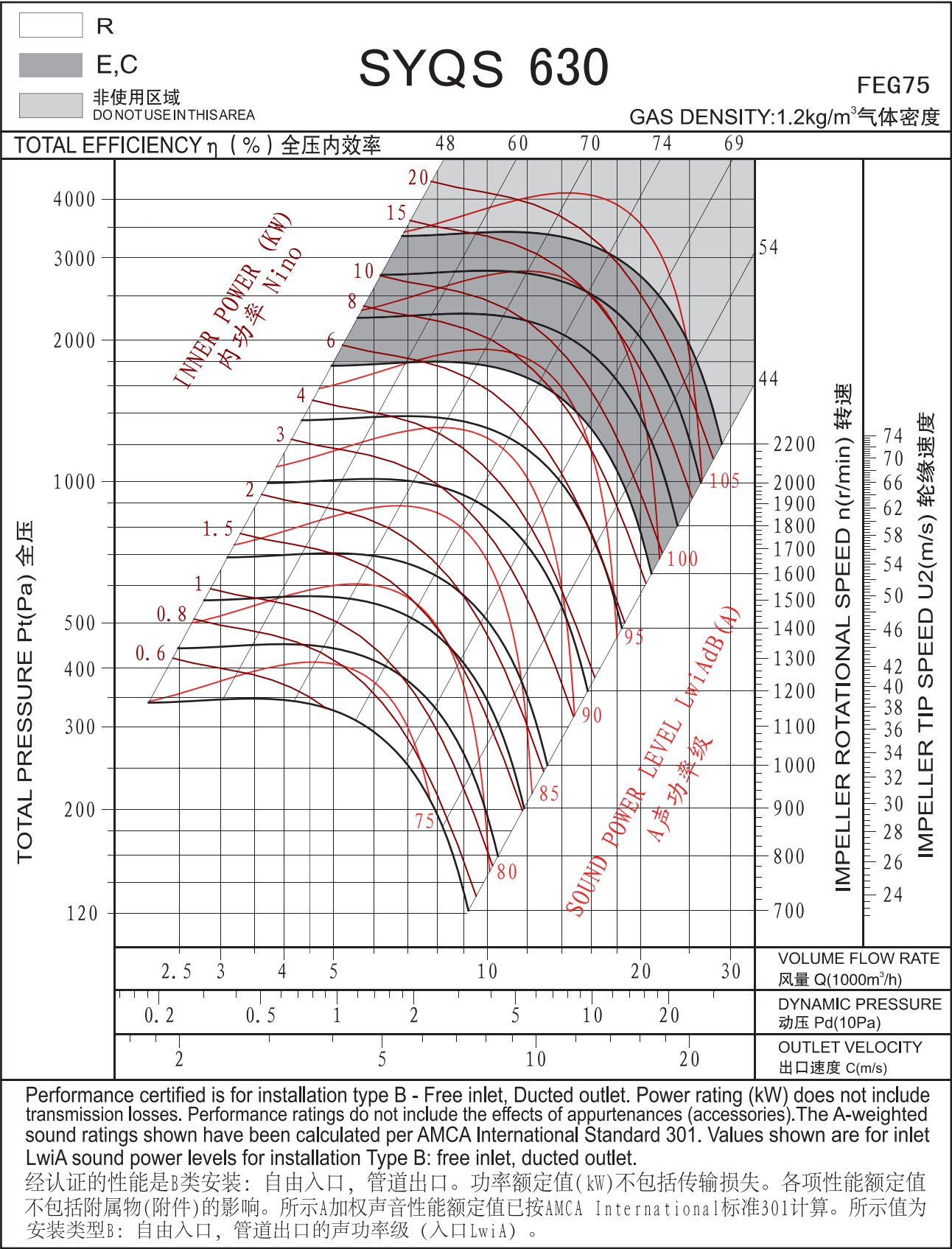


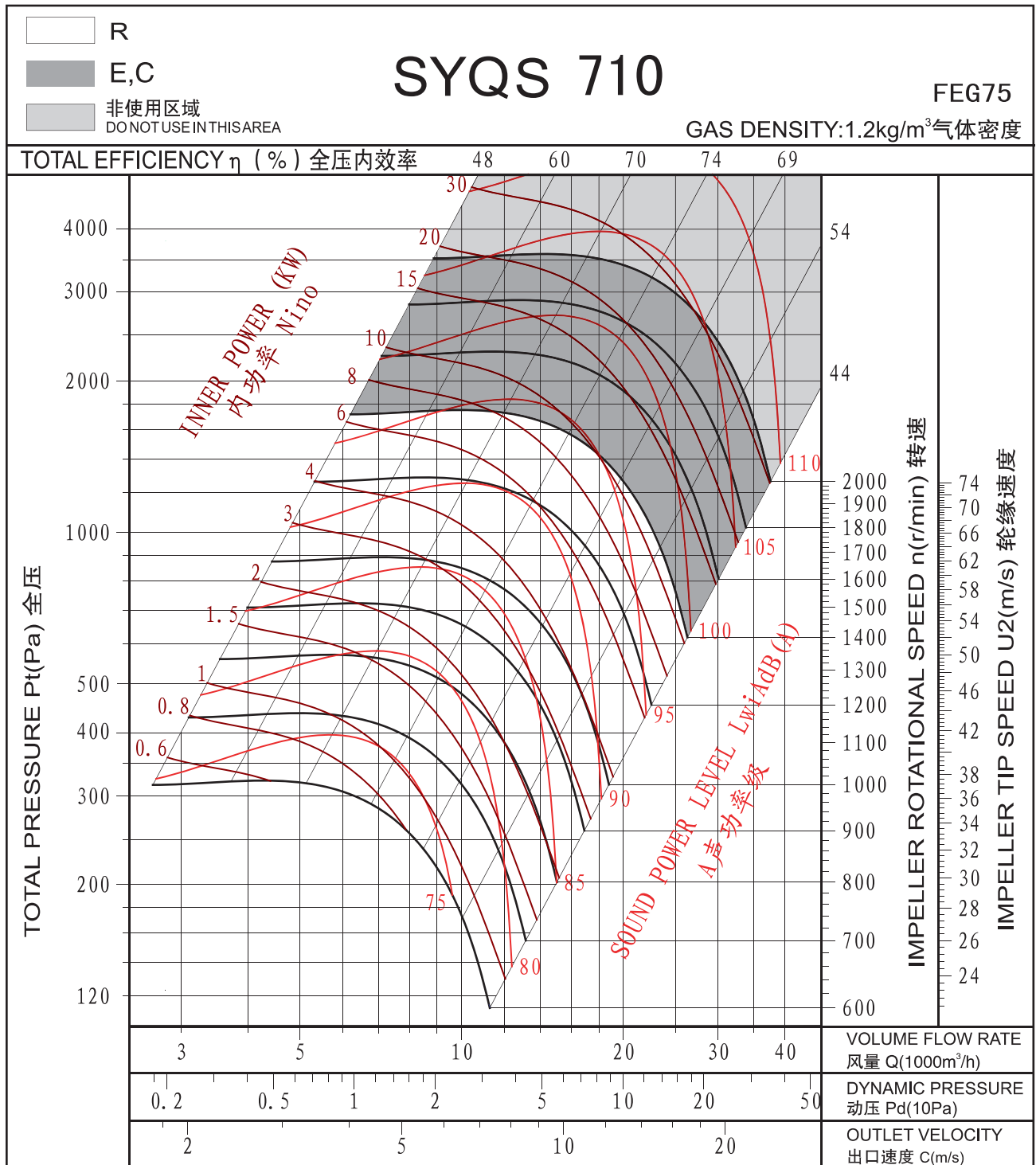






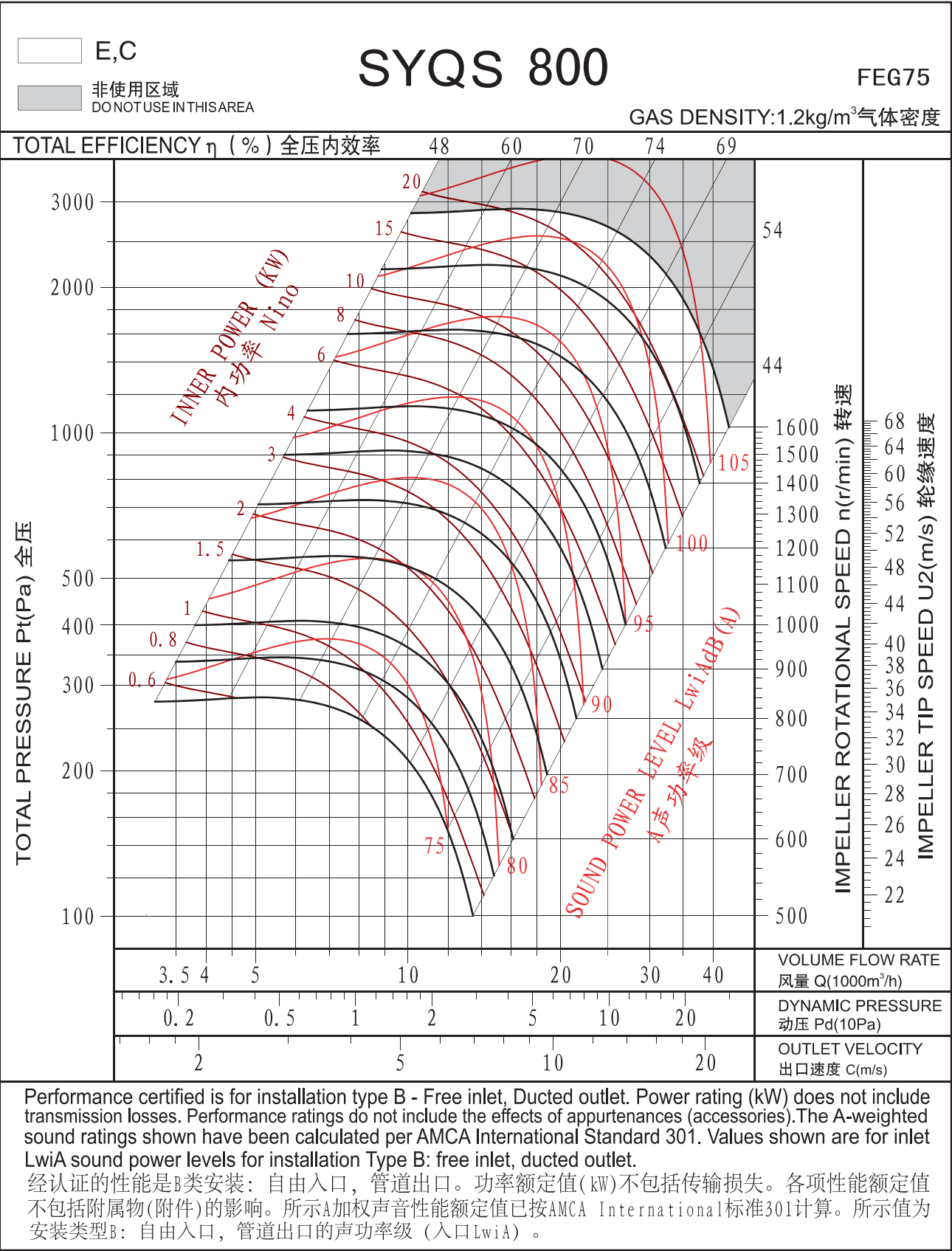


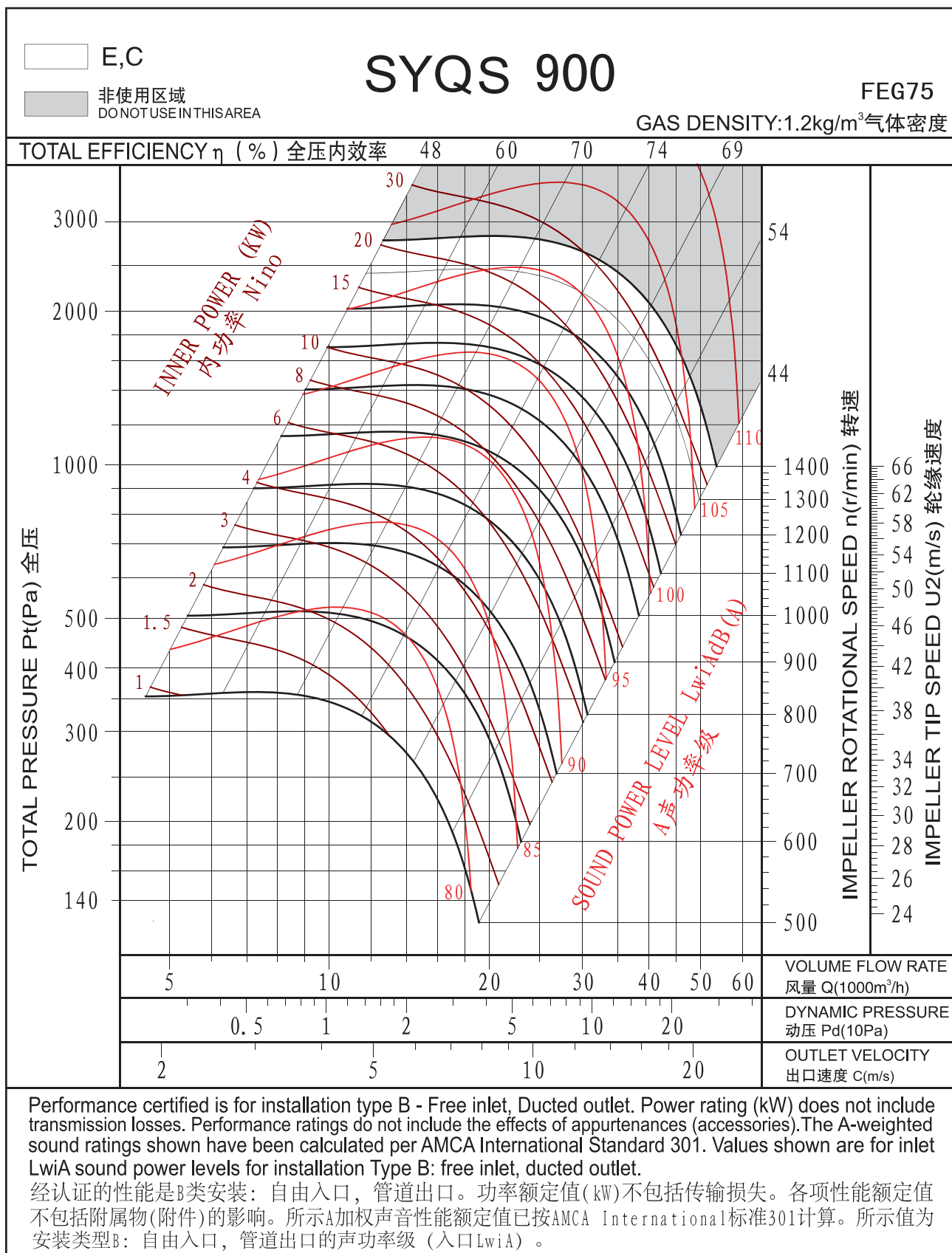


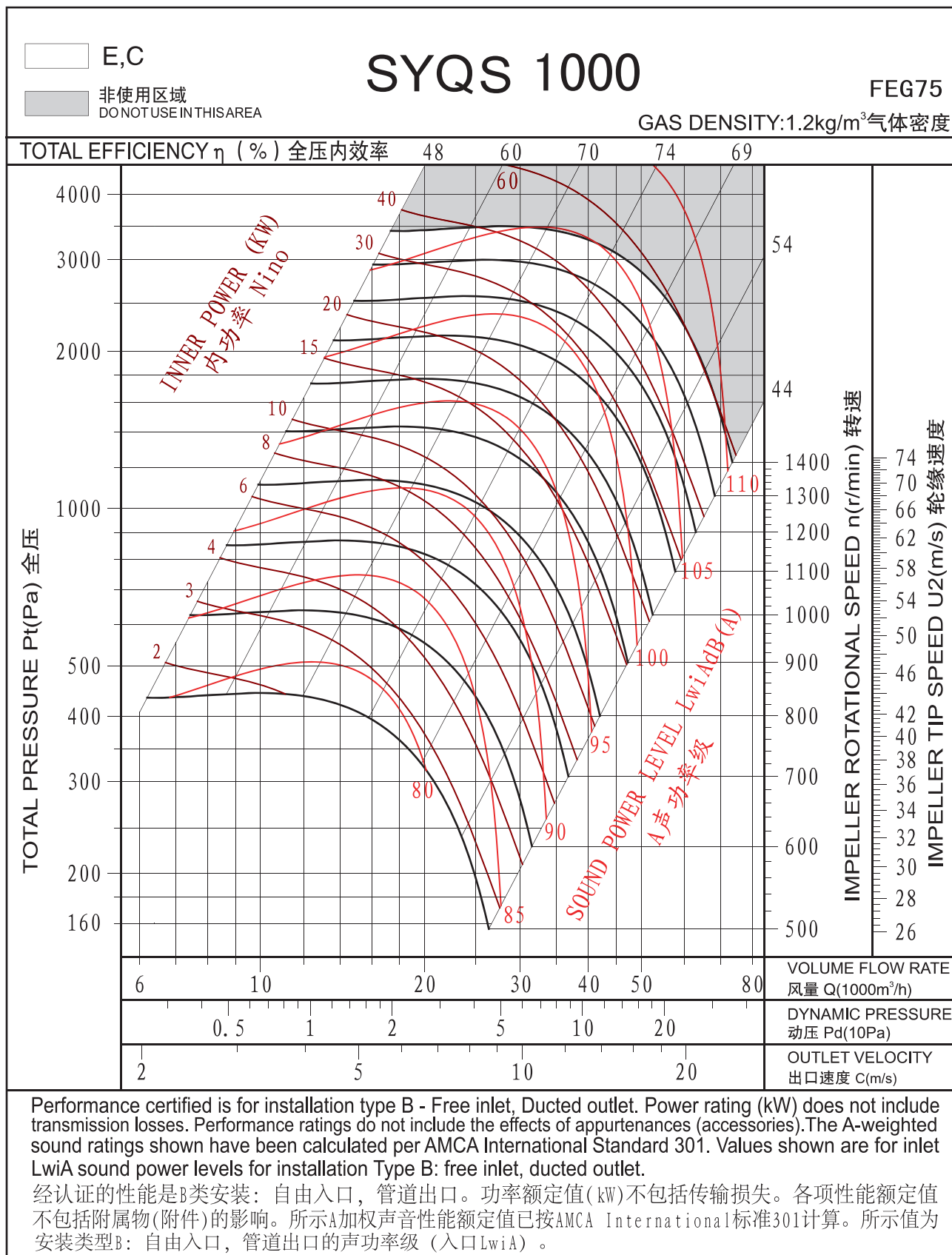


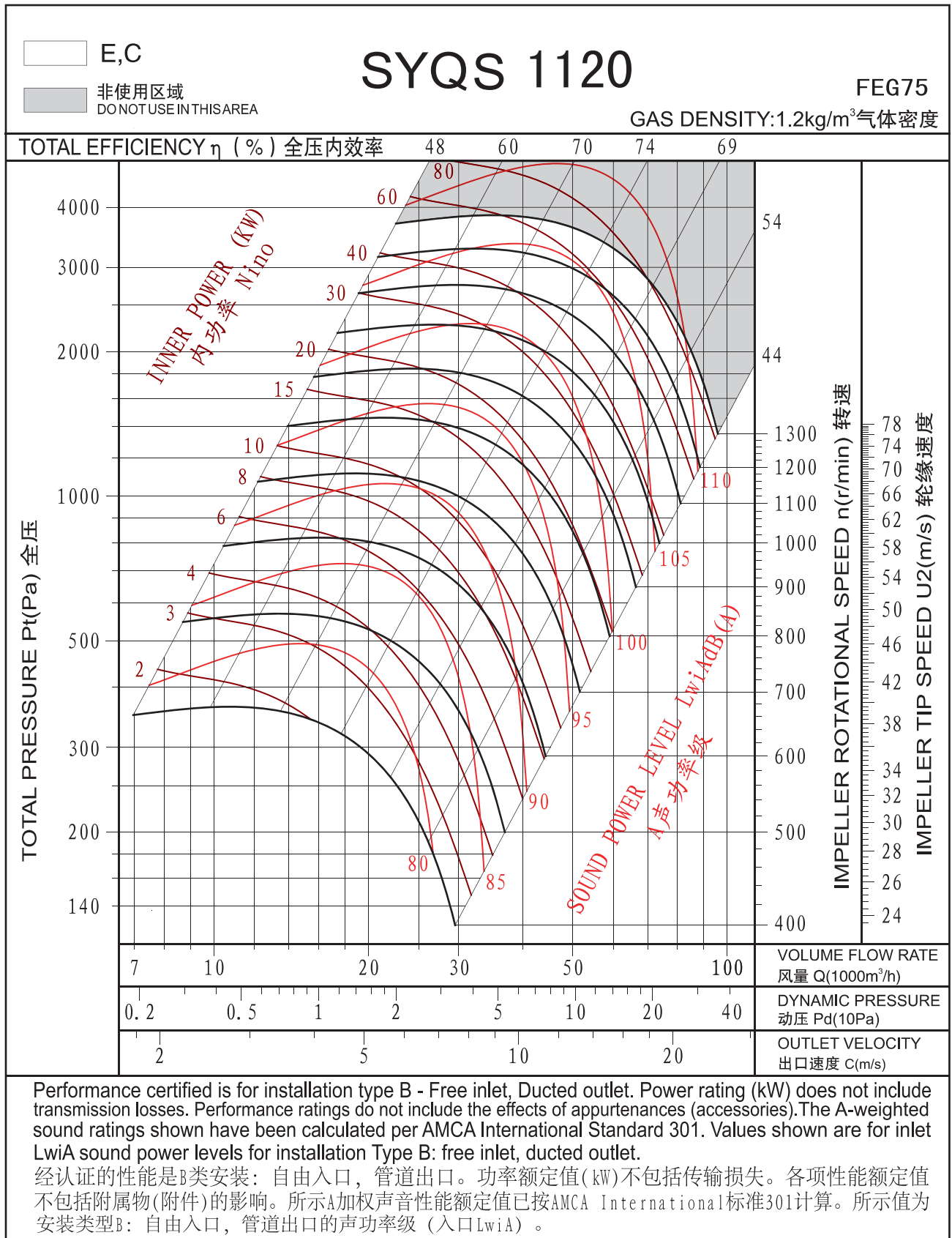
Performance certified is for installation type B - Free inlet, Ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). The A-weighted sound ratings shown have been calculated per AMCA International Standard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

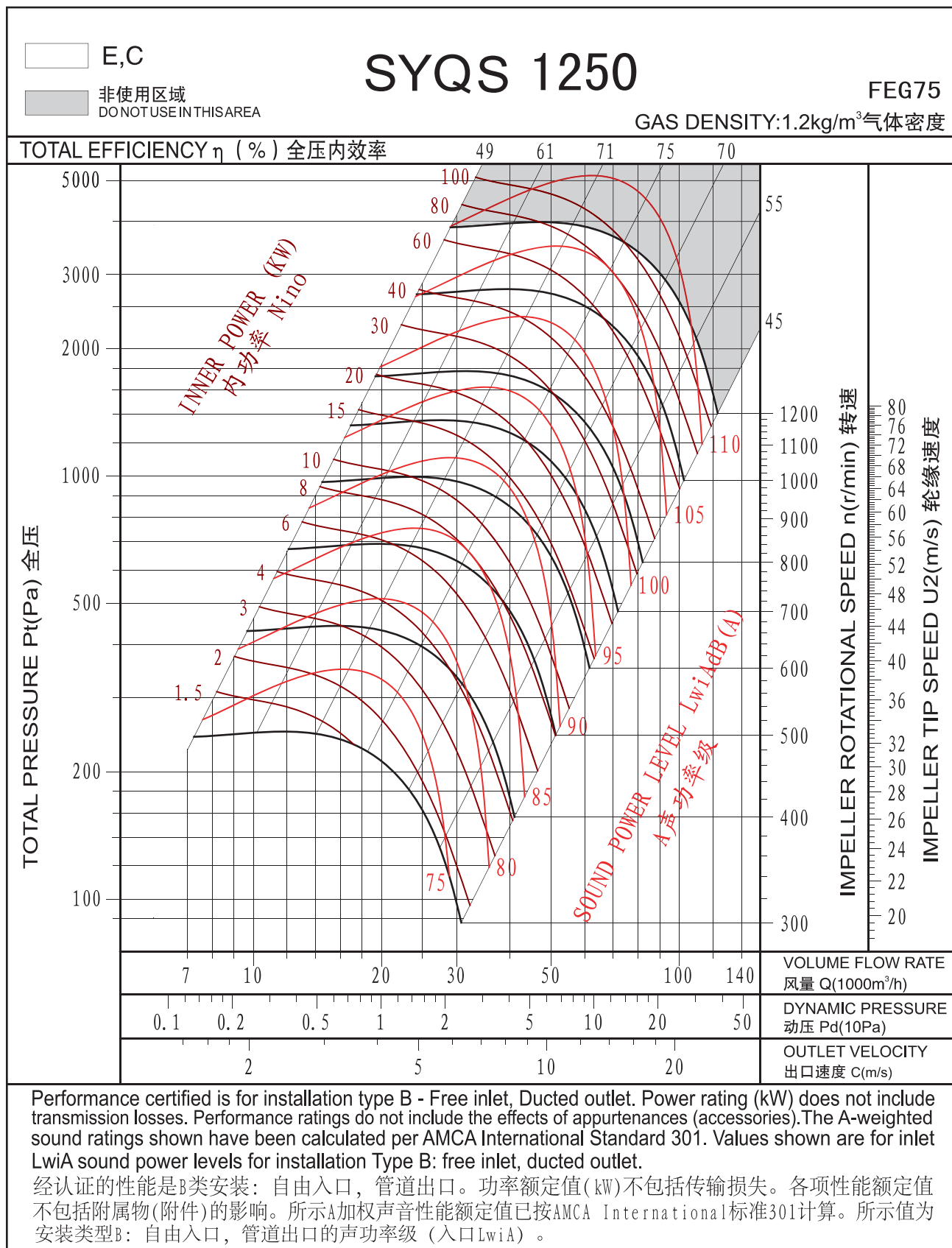
经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口LwiA）。

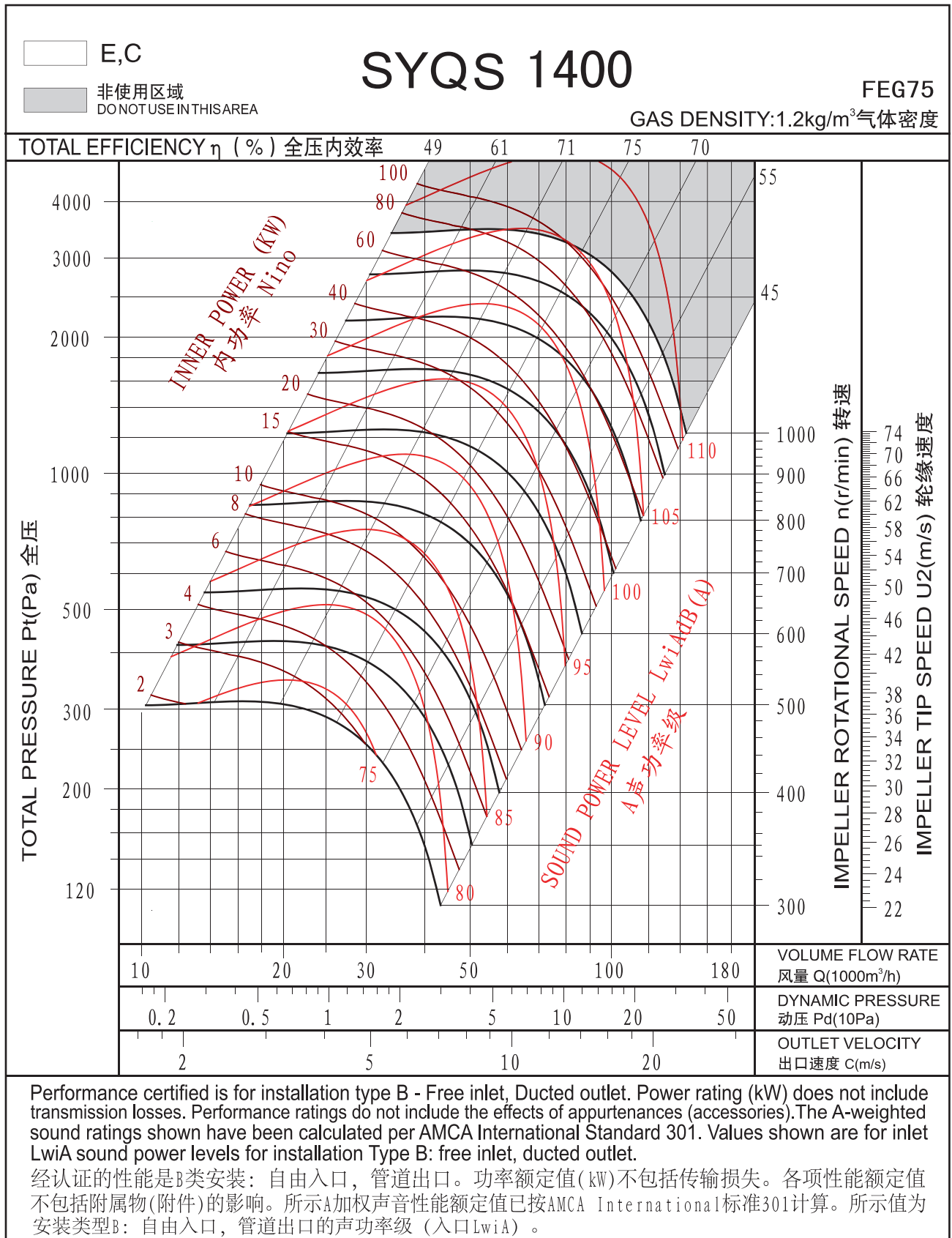




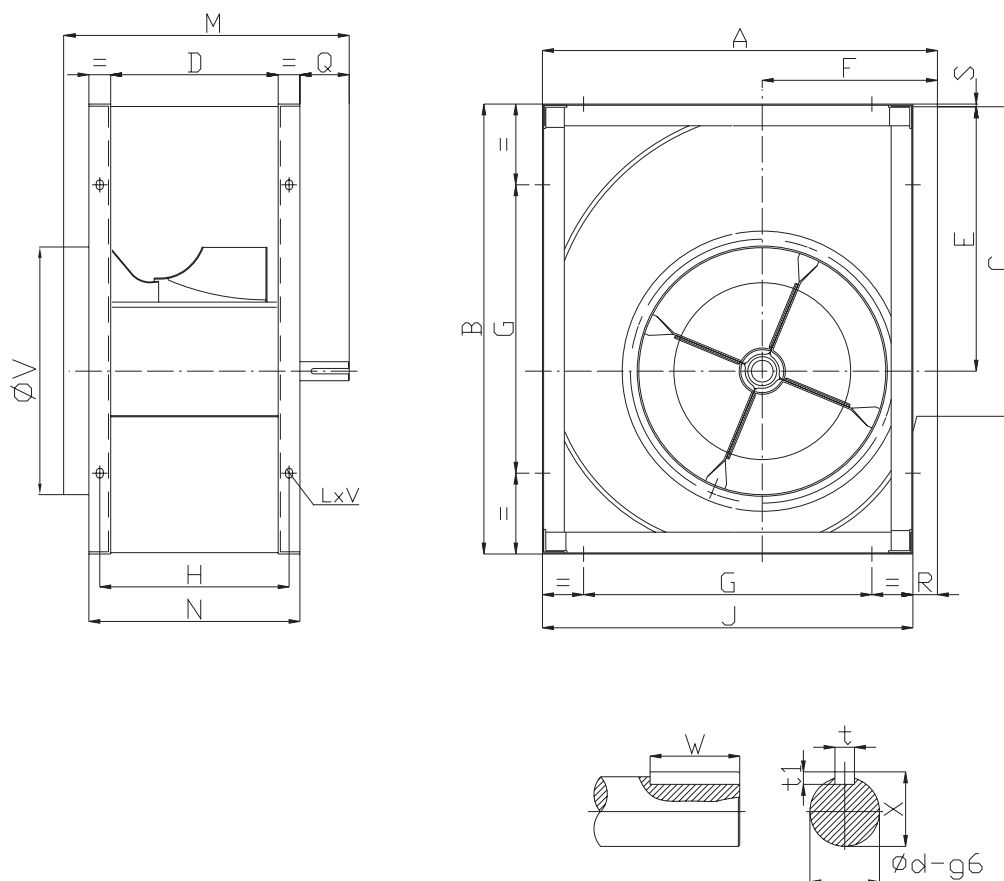






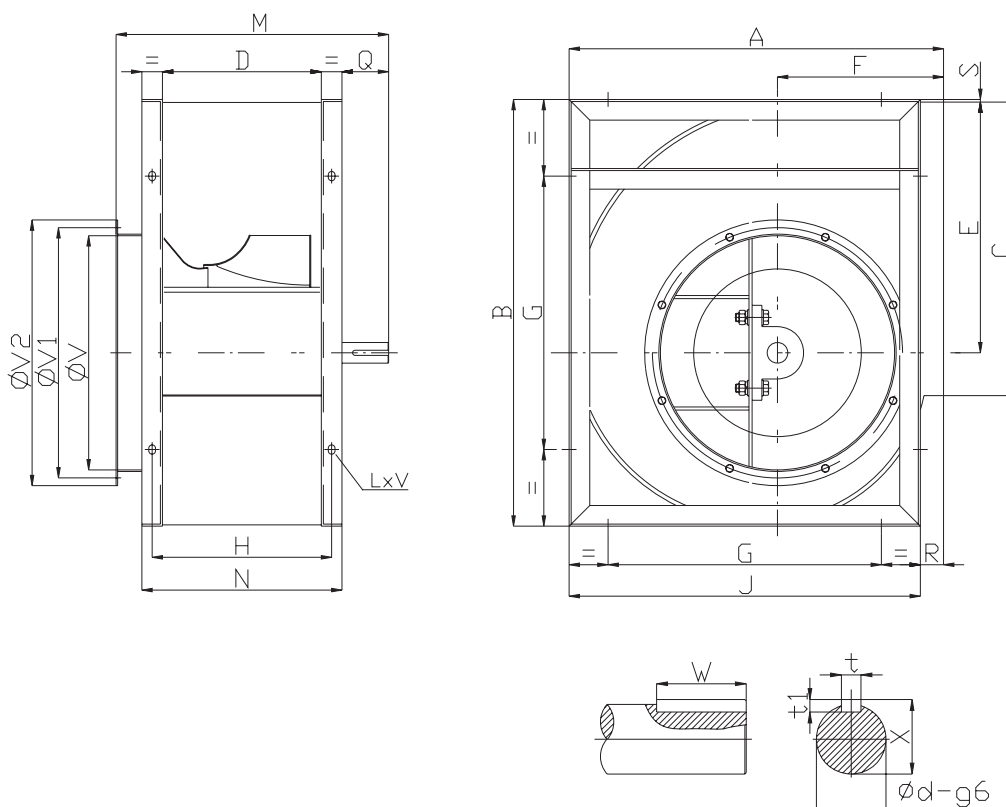


SYQS-R

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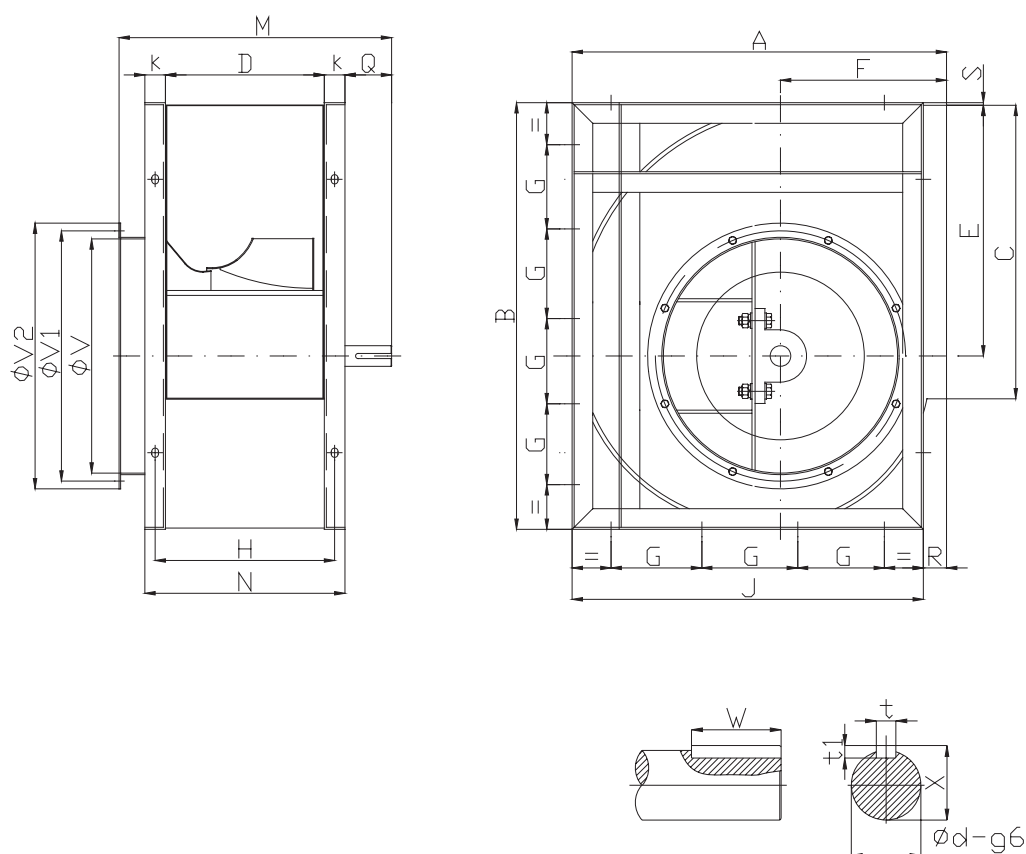
Model	A	B	C	D	E	F	G	H	J	K	M	N	Q	R	S	V	t	t1	W	X	ϕd	LxV
280	466	518	361	197	302	215	280	227	432	30	360	257	73	34	5	292	8	7	50	28	25	13x18
315	518	578	404	223	340	236	280	253	480	30	395	283	83	38	3	322	8	7	60	28	25	13x18
355	578	655	453	247	383	261	355	287	548	40	425	327	78	30	6	362	8	7	60	33	30	13x18
400	651	736	507	274	431.5	290	355	314	613	40	452	354	78	38	4.5	404	8	7	60	33	30	13x18
450	726	827	569	308	486	322	530	348	681	40	500	388	92	45	5	448	10	8	70	38	35	13x18
500	800	918	638	344	538	352	530	394	750	40	535	424	92	50	5	510	10	8	70	38	35	13x18
560	893	1030	715	383	602	390	530	433	845	50	600	483	87	48	8	570	12	8	70	43	40	13x18
630	999	1157	801	432	678.5	434	530	482	946	50	650	532	87	53	7	635	14	9	70	48.5	45	13x18
710	1121	1303	898	478	765	485	630	528	1058	50	725	578	115	63	7	722	14	9	90	53.5	50	17x22

SYQS-E



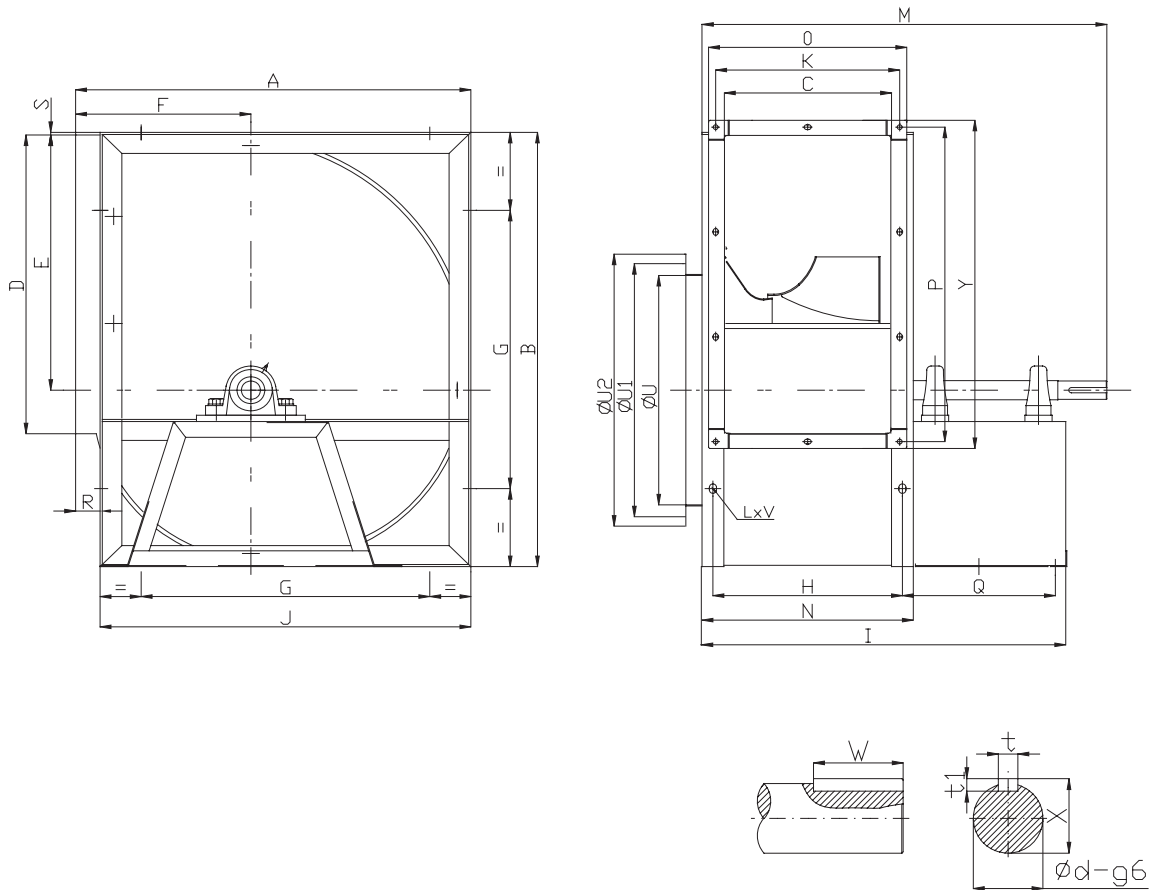
Model	A	B	C	D	E	F	G	H	J	K	M	N	Q	R	S	V	V1	V2	t	t1	W	X	φd	LxV
280	466	518	361	197	302	215	280	227	432	30	405	257	86	34	5	292	325	355	8	7	60	33	30	13x18
315	518	578	404	223	340	236	280	253	480	30	440	283	96	38	3	322	344	383	8	7	70	33	30	13x18
355	578	655	453	247	383	261	355	287	548	40	470	327	91	30	6	362	386	423	10	8	70	38	35	13x18
400	651	736	507	274	431.5	290	355	314	613	40	497	354	91	38	4.5	404	432	466	10	8	70	38	35	13x18
450	726	827	569	308	486	322	530	348	681	40	556	388	116	45	5	448	485	515	12	8	90	43	40	13x18
500	800	918	638	344	538	352	530	394	750	40	592	424	116	50	5	510	544	570	12	8	90	43	40	13x18
560	893	1030	715	383	602	390	530	433	845	50	640	483	115	48	8	570	605	635	14	9	90	53.5	50	13x18
630	999	1157	801	432	678.5	434	530	482	946	50	690	532	115	53	7	635	670	700	14	9	90	53.5	50	13x18
710	1121	1303	898	478	765	485	630	528	1058	50	746	578	126	63	7	722	750	778	18	11	90	64	60	17x22
800	1250	1468	1007	533	862	535	710	583	1181	50	801	633	126	69	7	808	844	875	18	11	90	64	60	17x22
900	1408	1648	1130	595	971	604	800	655	1319	60	880	715	135	89	7	896	945	980	18	11	100	69	65	17x22
1000	1541	1810	1267	663	1066	657	900	713	1462	60	950	783	135	79	9	996	1044	1080	18	11	100	69	65	17x22

SYQS-E



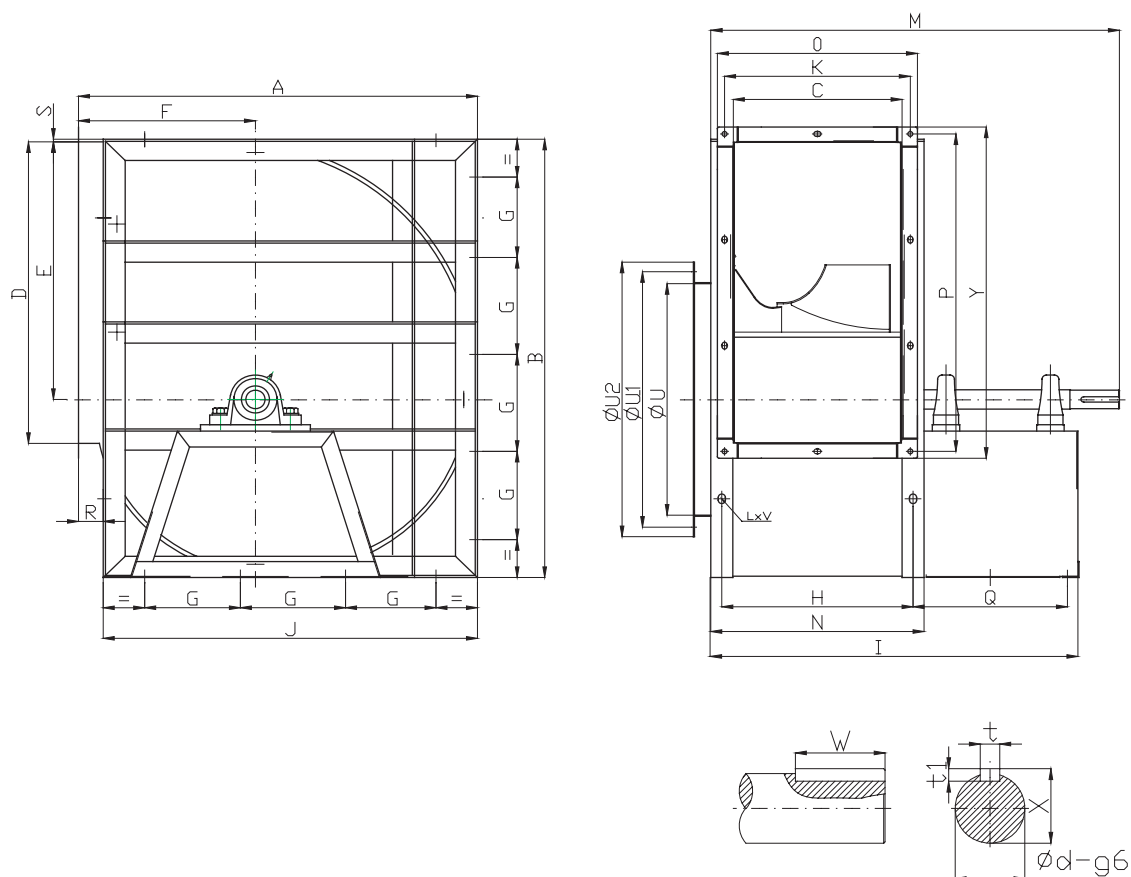
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1120	1748	2033	1421	722	1192	758	400	782	1630	60	1135	842	247	118	11	1130	1180	1266	18	11	140	69	65	17x22
1250	1950	2270	1588	800	1333	840	450	880	1825	75	1218	950	235	125	12	1265	1361	1361	20	12	140	74.5	70	17x22
1400	2160	2535	1744	900	1492	920	500	980	2050	75	1337	1050	255	110	10	1402	1450	1500	22	14	140	85	80	17x22

SYQS-6



Model	A	B	C	D	E	F	G	H	I	J	K	M	N	O	P	Q	R	S	t	t1	U	U1	U2	W	X	Y	φd	LxV
280	466	518	197	361	302	215	280	227	530	432	213	590	257	239	391	274	34	5	8	7	292	325	355	40	28	417	25	13x18
315	518	578	223	404	340	236	280	253	556	480	233	612	283	259	434	274	38	3	8	7	322	344	383	40	28	460	25	13x18
355	578	655	247	453	383	261	355	287	627	548	260	697	327	286	483	300	30	6	8	7	362	386	423	50	33	509	30	13x18
400	651	736	274	507	431.5	290	355	314	654	613	290	724	354	316	537	300	38	4.5	8	7	404	432	466	50	33	563	30	13x18
450	726	827	308	569	486	322	530	348	728	681	318	816	388	344	599	340	45	5	10	8	448	485	515	70	38	625	35	13x18
500	800	918	344	638	538	352	530	384	764	750	350	850	424	376	668	340	50	5	10	8	510	544	570	70	38	694	35	13x18
560	893	1030	383	715	603	390	530	433	855	845	366	945	483	414	745	378	48	8	12	8	570	605	635	90	43	771	40	13x18
630	999	1157	432	801	678.5	434	530	482	904	946	434	994	532	460	831	378	53	7	12	8	635	670	700	90	43	857	40	13x18
710	1121	1303	478	898	765	485	630	528	1005	1058	483	1115	578	512	928	436	63	7	14	9	722	750	778	90	48.5	954	45	17x22
800	1250	1468	533	1007	862	535	710	583	1060	1181	541	1170	633	567	1039	440	69	7	14	9	808	844	875	90	48.5	1063	45	17x22
900	1408	1648	595	1130	971	604	800	655	1191	1319	602	1313	715	613	1160	510	89	7	16	10	896	945	980	100	58.5	1186	55	17x22
1000	1541	1810	663	1267	1066	657	900	713	1259	1462	668	1381	783	694	1297	510	79	9	16	10	996	1044	1080	100	58.5	1323	55	17x22

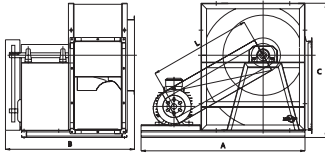
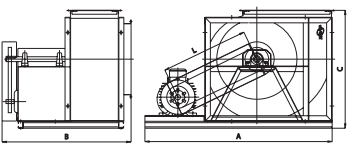
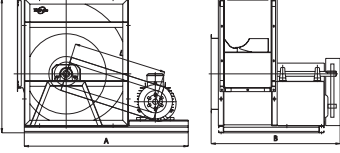
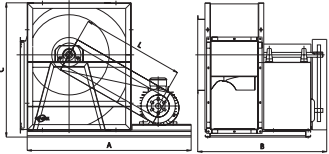
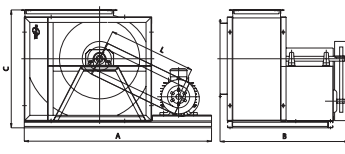
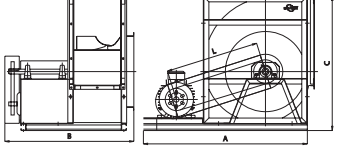
SYQS-C



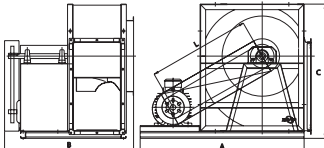
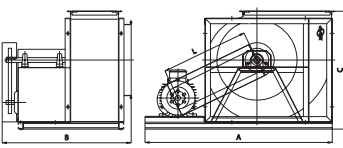
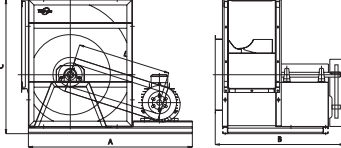
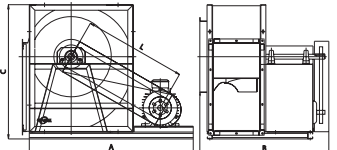
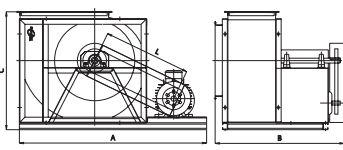
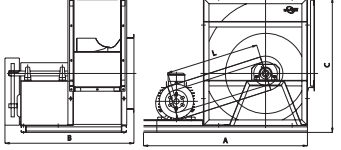
SYQS

Model	A	B	C	D	E	F	G	H	I	J	K	M	N	O	P	Q	R	S	t	t1	U	U1	U2	W	X	Y	φd	LxV
1120	1748	2033	722	1421	1192	758	400	782	1397	1630	777	1583	842	825	1478	572	118	11	18	11	1130	1180	1266	120	69	1526	65	17x22
1250	1950	2270	800	1588	1333	840	450	880	1565	1825	850	1740	950	900	1638	600	125	12	20	12	1265	1310	1361	140	74.5	1688	70	17x22
1400	2160	2535	900	1744	1492	920	500	980	1760	2050	952	1910	1050	1002	1826	695	110	10	22	14	1402	1450	1500	140	85	1876	80	17x22

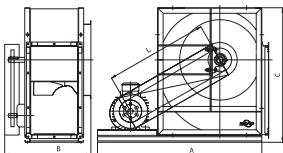
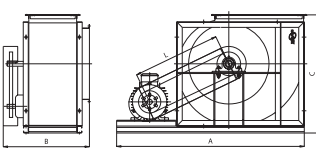
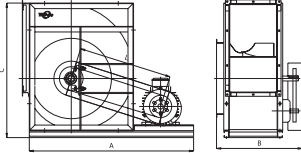
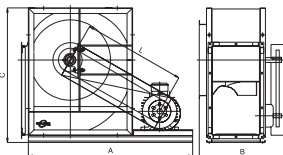
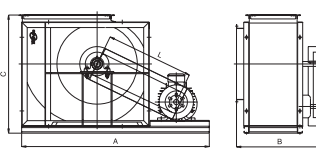
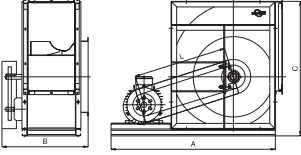
SYQS-C

		0°				90°				180°			
左旋LG													
右旋LG													
型号	电机	L	A	B	C	L	A	B	C	L	A	B	C
280	80	425	760	675	568	375	850	675	516	410	760	675	568
	90	435	780	675	568	385	860	675	516	420	780	675	568
	100	445	800	675	568	395	880	675	516	430	800	675	568
	112	455	850	675	568	405	930	675	516	440	850	675	568
	132	465	870	675	568	415	950	675	516	450	870	675	568
315	80	465	800	700	628	405	900	700	568	440	800	700	628
	90	475	820	700	627	415	920	700	568	450	820	700	627
	100	485	850	700	628	425	950	700	568	460	850	700	628
	112	495	900	700	628	435	1000	700	568	470	900	700	628
	132	505	920	700	628	445	1020	700	568	480	920	700	628
355	80	515	850	775	705	445	1000	775	628	480	850	775	705
	90	525	860	775	705	455	1000	775	628	490	860	775	705
	100	535	900	775	705	465	1040	775	628	500	900	775	705
	112	545	960	775	705	475	1080	775	628	510	960	775	705
	132	555	980	775	705	485	1100	775	628	520	980	775	705
400	90	585	930	800	786	500	950	800	701	540	930	800	786
	100	595	980	800	786	510	1000	800	701	550	980	800	786
	112	605	1030	800	786	520	1160	800	701	560	1030	800	786
	132	615	1050	800	786	530	1180	800	701	570	1050	800	786
	160	615	1100	800	786	530	1230	800	701	570	1100	800	786
450	90	650	1000	894	877	548	1120	894	776	590	1000	894	877
	100	660	1050	894	877	558	1170	894	776	600	1050	894	877
	112	670	1100	894	877	568	1220	894	776	610	1100	894	877
	132	680	1120	894	877	578	1270	894	776	620	1120	894	877
	160	680	1200	894	877	578	1350	894	776	620	1200	894	877
500	90	720	1100	930	968	610	1250	930	850	650	1100	930	968
	100	730	1130	930	968	620	1280	930	850	660	1130	930	968
	112	740	1180	930	968	630	1330	930	850	670	1180	930	968
	132	750	1200	930	968	640	1350	930	850	680	1200	930	968
	160	750	1280	930	968	640	1440	930	850	680	1280	930	968
560	100	805	1210	1020	1093	680	1370	1020	956	720	1210	1020	1093
	112	815	1260	1020	1093	690	1420	1020	956	730	1260	1020	1093
	132	825	1280	1020	1093	700	1460	1020	956	740	1280	1020	1093
	160	835	1360	1020	1093	710	1540	1020	956	750	1360	1020	1093
	180	845	1400	1020	1093	720	1580	1020	956	760	1400	1020	1093
630	100	895	1310	1065	1220	755	1530	1065	1062	795	1310	1065	1220
	112	905	1360	1065	1220	765	1580	1065	1062	805	1360	1065	1220
	132	915	1380	1065	1220	775	1600	1065	1062	815	1380	1065	1220
	160	930	1450	1065	1220	790	1680	1065	1062	830	1450	1065	1220
	180	940	1500	1065	1220	800	1730	1065	1062	840	1500	1065	1220
	200	950	1550	1065	1220	810	1780	1065	1062	850	1550	1065	1220

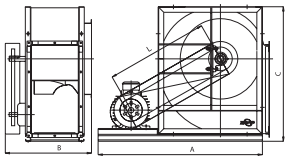
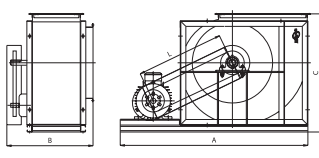
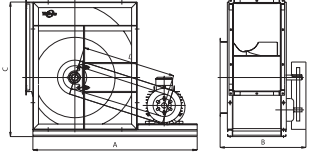
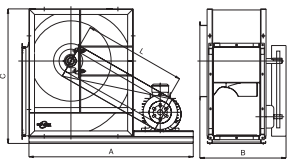
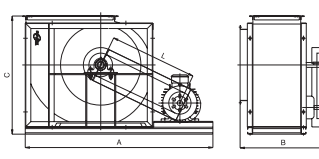
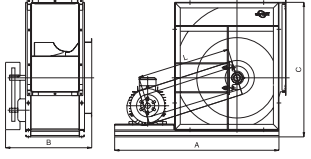
SYQS-C

		0°				90°				180°			
左旋LG													
右旋LG													
型号	电机	L	A	B	C	L	A	B	C	L	A	B	C
710	100	1005	1430	1185	1366	840	1670	1185	1184	885	1430	1185	1366
	112	1015	1480	1185	1366	850	1720	1185	1184	895	1480	1185	1366
	132	1025	1500	1185	1366	860	1740	1185	1184	905	1500	1185	1366
	160	1040	1570	1185	1366	875	1800	1185	1184	920	1570	1185	1366
	180	1050	1620	1185	1366	885	1850	1185	1184	930	1620	1185	1366
	200	1060	1670	1185	1366	895	1900	1185	1184	940	1670	1185	1366
	225	1070	1700	1185	1366	905	1930	1185	1184	950	1700	1185	1366
800	112	1130	1580	1245	1548	950	1880	1245	1330	990	1580	1245	1548
	132	1140	1600	1245	1548	960	1900	1245	1330	1000	1600	1245	1548
	160	1155	1650	1245	1548	975	1950	1245	1330	1015	1650	1245	1548
	180	1165	1720	1245	1548	985	2020	1245	1330	1025	1720	1245	1548
	200	1175	1770	1245	1548	995	2070	1245	1330	1035	1770	1245	1548
	225	1185	1820	1245	1548	1005	2120	1245	1330	1045	1820	1245	1548
	250	1195	1880	1245	1548	1015	2180	1245	1330	1055	1880	1245	1548
900	112	1270	1730	1375	1728	1060	2060	1375	1488	1110	1730	1375	1728
	132	1280	1750	1375	1728	1070	2080	1375	1488	1110	1750	1375	1728
	160	1295	1800	1375	1728	1085	2130	1375	1488	1125	1800	1375	1728
	180	1310	1880	1375	1728	1095	2220	1375	1488	1135	1880	1375	1728
	200	1320	1920	1375	1728	1105	2250	1375	1488	1145	1920	1375	1728
	225	1330	1980	1375	1728	1115	2320	1375	1488	1155	1980	1375	1728
	250	1340	2050	1375	1728	1125	2380	1375	1488	1165	2050	1375	1728
1000	132	1400	1900	1450	1890	1175	2250	1450	1621	1215	1900	1450	1890
	160	1415	1950	1450	1890	1190	2300	1450	1621	1230	1950	1450	1890
	180	1425	2030	1450	1890	1200	2380	1450	1621	1240	2030	1450	1890
	200	1435	2070	1450	1890	1210	2420	1450	1621	1250	2070	1450	1890
	225	1445	2130	1450	1890	1220	2480	1450	1621	1260	2130	1450	1890
	250	1455	2200	1450	1890	1230	2550	1450	1621	1270	2200	1450	1890
	280	1465	2250	1450	1890	1240	2600	1450	1621	1280	2250	1450	1890

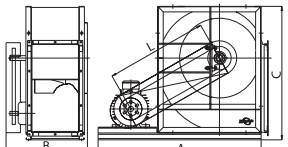
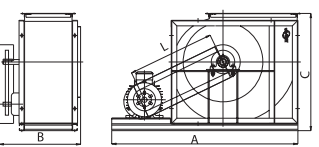
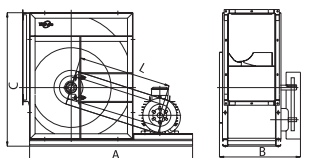
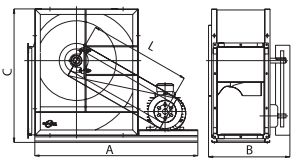
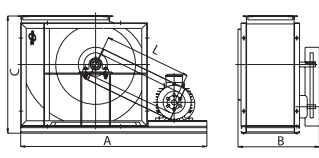
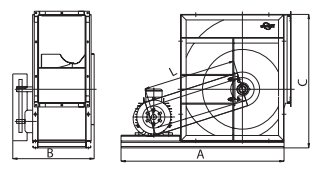
SYQS-E

		0°				90°				180°			
左旋LG													
右旋LG													
型号	电机	L	A	B	C	L	A	B	C	L	A	B	C
280	80	425	760	430	568	375	850	430	516	410	760	430	568
	90	435	780	430	568	385	860	430	516	420	780	430	568
	100	445	800	430	568	395	880	430	516	430	800	430	568
	112	455	850	430	568	405	930	430	516	440	850	430	568
	132	465	870	430	568	415	950	430	516	450	870	430	568
315	80	465	800	465	628	405	900	465	568	440	800	465	628
	90	475	820	465	627	415	920	465	568	450	820	465	627
	100	485	850	465	628	425	950	465	568	460	850	465	628
	112	495	900	465	628	435	1000	465	568	470	900	465	628
	132	505	920	465	628	445	1020	465	568	480	920	465	628
355	80	515	850	495	705	445	1000	495	628	480	850	495	705
	90	525	860	495	705	455	1000	495	628	490	860	495	705
	100	535	900	495	705	465	1040	495	628	500	900	495	705
	112	545	960	495	705	475	1080	495	628	510	960	495	705
	132	555	980	495	705	485	1100	495	628	520	980	495	705
400	90	585	930	525	786	500	950	525	701	540	930	525	786
	100	595	980	525	786	510	1000	525	701	550	980	525	786
	112	605	1030	525	786	520	1160	525	701	560	1030	525	786
	132	615	1050	525	786	530	1180	525	701	570	1050	525	786
	160	615	1100	525	786	530	1230	525	701	570	1100	525	786
450	90	650	1000	580	877	548	1120	580	776	590	1000	580	877
	100	660	1050	580	877	558	1170	580	776	600	1050	580	877
	112	670	1100	580	877	568	1220	580	776	610	1100	580	877
	132	680	1120	580	877	578	1270	580	776	620	1120	580	877
	160	680	1200	580	877	578	1350	580	776	620	1200	580	877
500	90	720	1100	620	968	610	1250	620	850	650	1100	620	968
	100	730	1130	620	968	620	1280	620	850	660	1130	620	968
	112	740	1180	620	968	630	1330	620	850	670	1180	620	968
	132	750	1200	620	968	640	1350	620	850	680	1200	620	968
	160	750	1280	620	968	640	1440	620	850	680	1280	620	968
560	100	805	1210	665	1093	680	1370	665	956	720	1210	665	1093
	112	815	1260	665	1093	690	1420	665	956	730	1260	665	1093
	132	825	1280	665	1093	700	1460	665	956	740	1280	665	1093
	160	835	1360	665	1093	710	1540	665	956	750	1360	665	1093
	180	845	1400	665	1093	720	1580	665	956	760	1400	665	1093

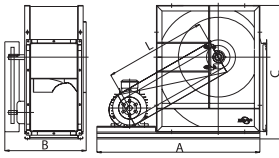
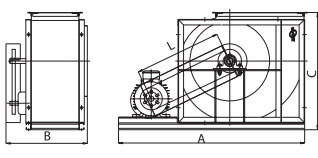
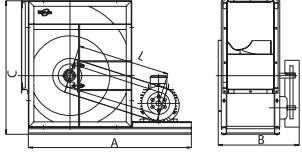
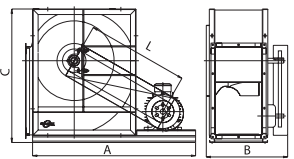
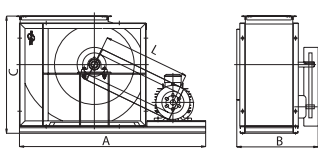
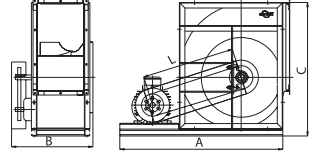
SYQS-E

		0°				90°				180°			
左旋LG													
右旋LG													
型号	电机	L	A	B	C	L	A	B	C	L	A	B	C
630	100	895	1310	715	1220	755	1530	715	1062	795	1310	715	1220
	112	905	1360	715	1220	765	1580	715	1062	805	1360	715	1220
	132	915	1380	715	1220	775	1600	715	1062	815	1380	715	1220
	160	930	1450	715	1220	790	1680	715	1062	830	1450	715	1220
	180	940	1500	715	1220	800	1730	715	1062	840	1500	715	1220
	200	950	1550	715	1220	810	1780	715	1062	850	1550	715	1220
710	100	1005	1430	770	1366	840	1670	770	1184	885	1430	770	1366
	112	1015	1480	770	1366	850	1720	770	1184	895	1480	770	1366
	132	1025	1500	770	1366	860	1740	770	1184	905	1500	770	1366
	160	1040	1570	770	1366	875	1800	770	1184	920	1570	770	1366
	180	1050	1620	770	1366	885	1850	770	1184	930	1620	770	1366
	200	1060	1670	770	1366	895	1900	770	1184	940	1670	770	1366
	225	1070	1700	770	1366	905	1930	770	1184	950	1700	770	1366
800	112	1130	1580	825	1548	950	1880	825	1330	990	1580	825	1548
	132	1140	1600	825	1548	960	1900	825	1330	1000	1600	825	1548
	160	1155	1650	825	1548	975	1950	825	1330	1015	1650	825	1548
	180	1165	1720	825	1548	985	2020	825	1330	1025	1720	825	1548
	200	1175	1770	825	1548	995	2070	825	1330	1035	1770	825	1548
	225	1185	1820	825	1548	1005	2120	825	1330	1045	1820	825	1548
	250	1195	1880	825	1548	1015	2180	825	1330	1055	1880	825	1548
900	112	1270	1730	905	1728	1060	2060	905	1488	1110	1730	905	1728
	132	1280	1750	905	1728	1070	2080	905	1488	1110	1750	905	1728
	160	1295	1800	905	1728	1085	2130	905	1488	1125	1800	905	1728
	180	1310	1880	905	1728	1095	2220	905	1488	1135	1880	905	1728
	200	1320	1920	905	1728	1105	2250	905	1488	1145	1920	905	1728
	225	1330	1980	905	1728	1115	2320	905	1488	1155	1980	905	1728
	250	1340	2050	905	1728	1125	2380	905	1488	1165	2050	905	1728
1000	132	1400	1900	975	1890	1175	2250	975	1621	1215	1900	975	1890
	160	1415	1950	975	1890	1190	2300	975	1621	1230	1950	975	1890
	180	1425	2030	975	1890	1200	2380	975	1621	1240	2030	975	1890
	200	1435	2070	975	1890	1210	2420	975	1621	1250	2070	975	1890
	225	1445	2130	975	1890	1220	2480	975	1621	1260	2130	975	1890
	250	1455	2200	975	1890	1230	2550	975	1621	1270	2200	975	1890
	280	1465	2250	975	1890	1240	2600	975	1621	1280	2250	975	1890

SYQS-R

		0°				90°				180°			
													
													
左旋LG	右旋LG												
型号	电机	L	A	B	C	L	A	B	C	L	A	B	C
280	71	415	740	400	568	365	830	400	516	400	740	400	568
	80	425	760	400	568	375	850	400	516	410	760	400	568
	90	435	780	400	568	385	860	400	516	420	780	400	568
	100	445	800	400	568	395	880	400	516	430	800	400	568
	112	455	850	400	568	405	930	400	516	440	850	400	568
315	71	455	780	435	628	395	880	435	568	430	780	435	628
	80	465	800	435	628	405	900	435	568	440	800	435	628
	90	475	820	435	628	415	920	435	568	450	820	435	628
	100	485	850	435	628	425	950	435	568	460	850	435	628
	112	495	900	435	628	435	1000	435	568	470	900	435	628
355	71	505	830	465	705	435	960	465	628	470	830	465	705
	80	515	850	465	705	445	980	465	628	480	850	465	705
	90	525	860	465	705	455	1000	465	628	490	860	465	705
	100	535	900	465	705	465	1040	465	628	500	900	465	705
	112	545	960	465	705	475	1080	465	628	510	960	465	705
400	71	565	880	495	786	480	900	495	701	520	880	495	786
	80	575	900	495	786	490	920	495	701	530	900	495	786
	90	585	930	495	786	500	950	495	701	540	930	495	786
	100	595	980	495	786	510	1000	495	701	550	980	495	786
	112	605	1030	495	786	520	1160	495	701	560	1030	495	786
	132	615	1050	495	786	530	1180	495	701	570	1050	495	786
450	80	640	980	550	877	548	1100	550	776	580	980	550	877
	90	650	1000	550	877	548	1120	550	776	590	1000	550	877
	100	660	1050	550	877	558	1170	550	776	600	1050	550	877
	112	670	1100	550	877	568	1220	550	776	610	1100	550	877
	132	680	1120	550	877	578	1270	550	776	620	1120	550	877
500	80	710	1080	590	968	600	1230	590	850	640	1080	590	968
	90	720	1100	590	968	610	1250	590	850	650	1100	590	968
	100	730	1130	590	968	620	1280	590	850	660	1130	590	968
	112	740	1180	590	968	630	1330	590	850	670	1180	590	968
	132	750	1200	590	968	640	1350	590	850	680	1200	590	968
560	90	795	1160	635	1093	670	1320	635	956	710	1160	635	1093
	100	805	1210	635	1093	680	1370	635	956	720	1210	635	1093
	112	815	1260	635	1093	690	1420	635	956	730	1260	635	1093
	132	825	1280	635	1093	700	1460	635	956	740	1280	635	1093
	160	835	1360	635	1093	710	1540	635	956	750	1360	635	1093

SYQS-R

		0°				90°				180°			
左旋LG													
右旋LG													
型号	电机	L	A	B	C	L	A	B	C	L	A	B	C
630	90	885	1260	685	1220	745	1480	685	1062	785	1260	685	1220
	100	895	1310	685	1220	755	1530	685	1062	795	1310	685	1220
	112	905	1360	685	1220	765	1580	685	1062	805	1360	685	1220
	132	915	1380	685	1220	775	1600	685	1062	815	1380	685	1220
	160	930	1450	685	1220	790	1680	685	1062	830	1450	685	1220
710	90	995	1380	740	1366	830	1620	740	1184	875	1380	740	1366
	100	1005	1430	740	1366	840	1670	740	1184	885	1430	740	1366
	112	1015	1480	740	1366	850	1720	740	1184	895	1480	740	1366
	132	1025	1500	740	1366	860	1740	740	1184	905	1500	740	1366
	160	1040	1570	740	1366	875	1800	740	1184	920	1570	740	1366

注：L=风机轮与电机轮之间的中心距

L=Center distance between fan and motor pulley

SYQS系列风机运行极限

SYQS Series Ventilator Operational Limits

			280	315	355	400	450	500	560	630	710	800	900	1000	1120	1250	1400
极限吸收功率 Max. absorbed Power	R	KW	2	2	2.5	3	4	6	8	8	9	\	\	\	\	\	\
	E	KW	4	4	6	7	7	15	18	20	22	25	30	45	80	100	100
	C	KW	4	4	6	7	7	15	18	20	22	25	30	45	80	100	100
极限转速 Max. R. P. M	R	rpm	4000	3200	2800	2400	2200	2400	2600	1600	1400	\	\	\	\	\	\
	E	rpm	4500	4000	3800	3200	2800	2800	2000	2200	2000	1600	1400	1400	1300	1200	1000
	C	rpm	4500	4000	3800	3200	2800	2800	2000	2200	2000	1600	1400	1400	1300	1200	1000
极限温度(最低-20℃) Air Temperature Limits (Min-20℃)	R	Max.℃	85	85	85	85	85	85	85	85	85	\	\	\	\	\	\
	E	Max.℃	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
	C	Max.℃	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
风机重量 Fan Weight	R	Kg	17	27	39	44	55	70	110	125	175	\	\	\	\	\	\
	E	Kg	29	39	52	58	73	91	140	160	210	245	350	435	600	790	1080
	C	Kg	27	37	50	55	72	89	138	161	215	252	360	445	610	800	1100

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。

The datas such as performance, dimension and etc. in this catalogue is subject to change without notice, Please contact with the manufacture for further information.



SYQS Series Ventilator
Overall and Dimension

SYQS系列风机外形尺寸

S
Y
Q
S

SYDS系列单进风离心式空调风机

SINGLE INLET CENTRIFUGAL VENTILATORS WITH FORWARD WHEELS

概述

SYDS系列前向多翼单进风离心风机采用国际同类产品先进技术自行开发，该样本列出的从280~1000的12种规格风机，流量范围从700m³/h~50000m³/h，全压从200Pa~1500Pa，产品具有效率高、噪声低、耗能少、通用性强、安全性好等特点。广泛应用于各类中央空调机组及其它暖通空调、净化、通风等空调系统。

Outline

The SYDS series of single inlet centrifugal fans with forward blade was developed by using international technologies. The SYQS Series includes 12 models as described in this brochure. The volume flow ranges of the SYQS series varies from 700 cubic meters per hour to 50,000 cubic meters per hour, and pressure ranges from 200Pa to 1500Pa. Some of the features and characteristics of these ventilators are: high efficiency, low noise, and low power consumption. These ventilators are ideal for use in central air conditioning systems, heating and ventilating air conditioning systems, and in purifiers. They are also suitable for use in a number of other ventilator applications.



SYDS



浙江亿利达风机有限公司特此证明，此处所示SYDS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标准211和AMCA标准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，他们的认证数据见第38到49页。

Zhejiang Yilida Ventilator Co., LTD. certifies that the SYDS Centrifugal Ventilators 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 of the Centrifugal Ventilators described herein are licensed to bear the AMCA Seal, and their certified ratings are shown on pages 38 through 49.

命名方式

SYDS系列风机命名方式由风机系列代号、叶轮名义直径、结构型式组成：

SYDS - 560 R

结构型式 Construction type

R 型(基本型)

Type R (Basic model)

E 型(加强型)

Type K (Enhanced model)

C 型(悬臂型)

Type C (Hanging model)

叶轮名义直径(mm)

Nominal diameter of impeller (mm)

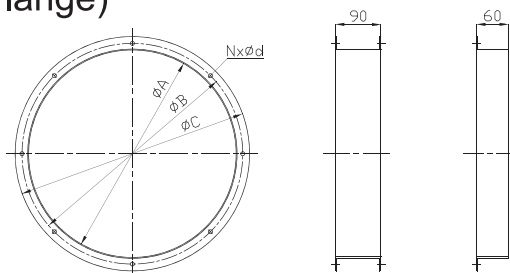
前向多翼单进风离心风机系列代号

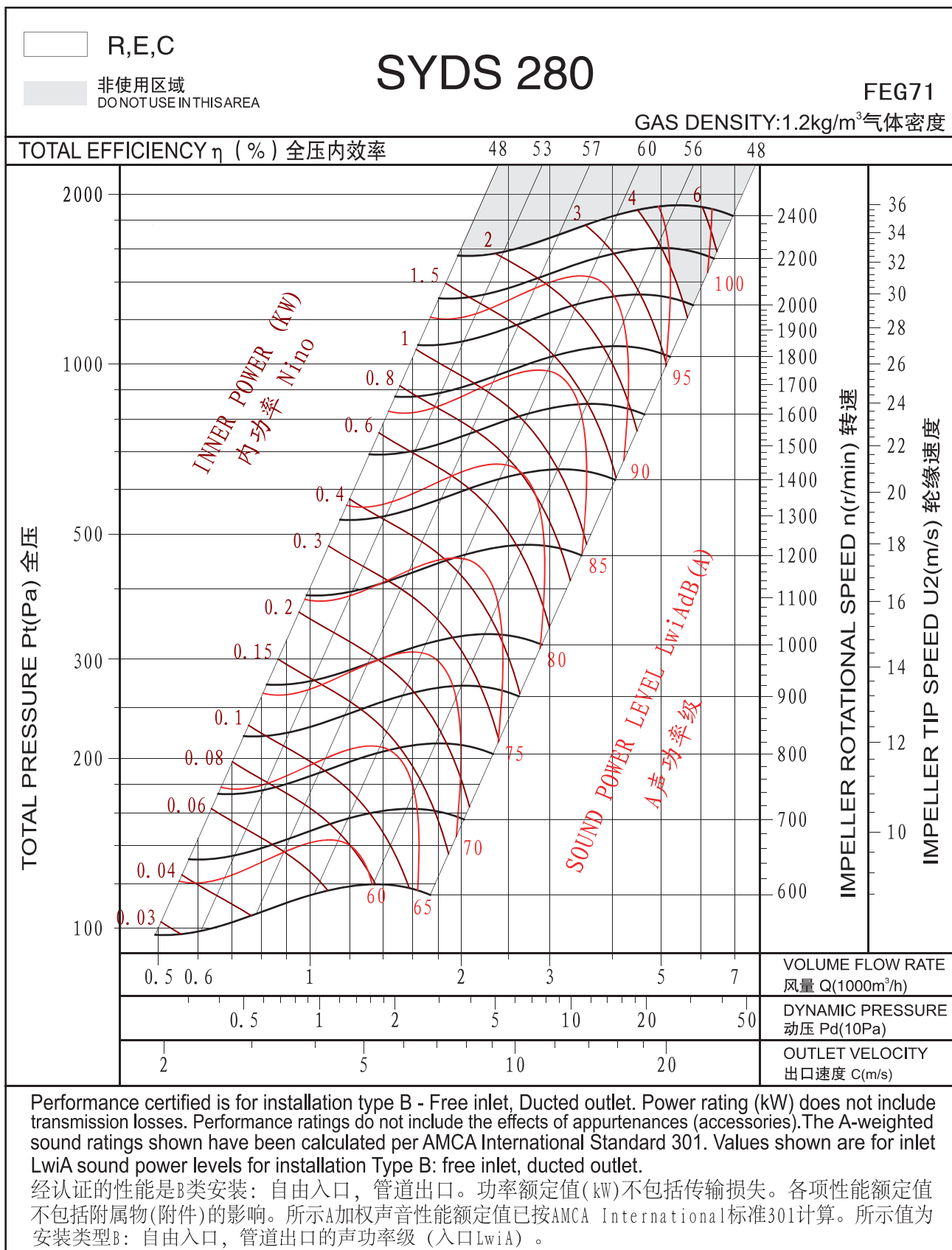
series of single inlet centrifugal fan with forward wheels

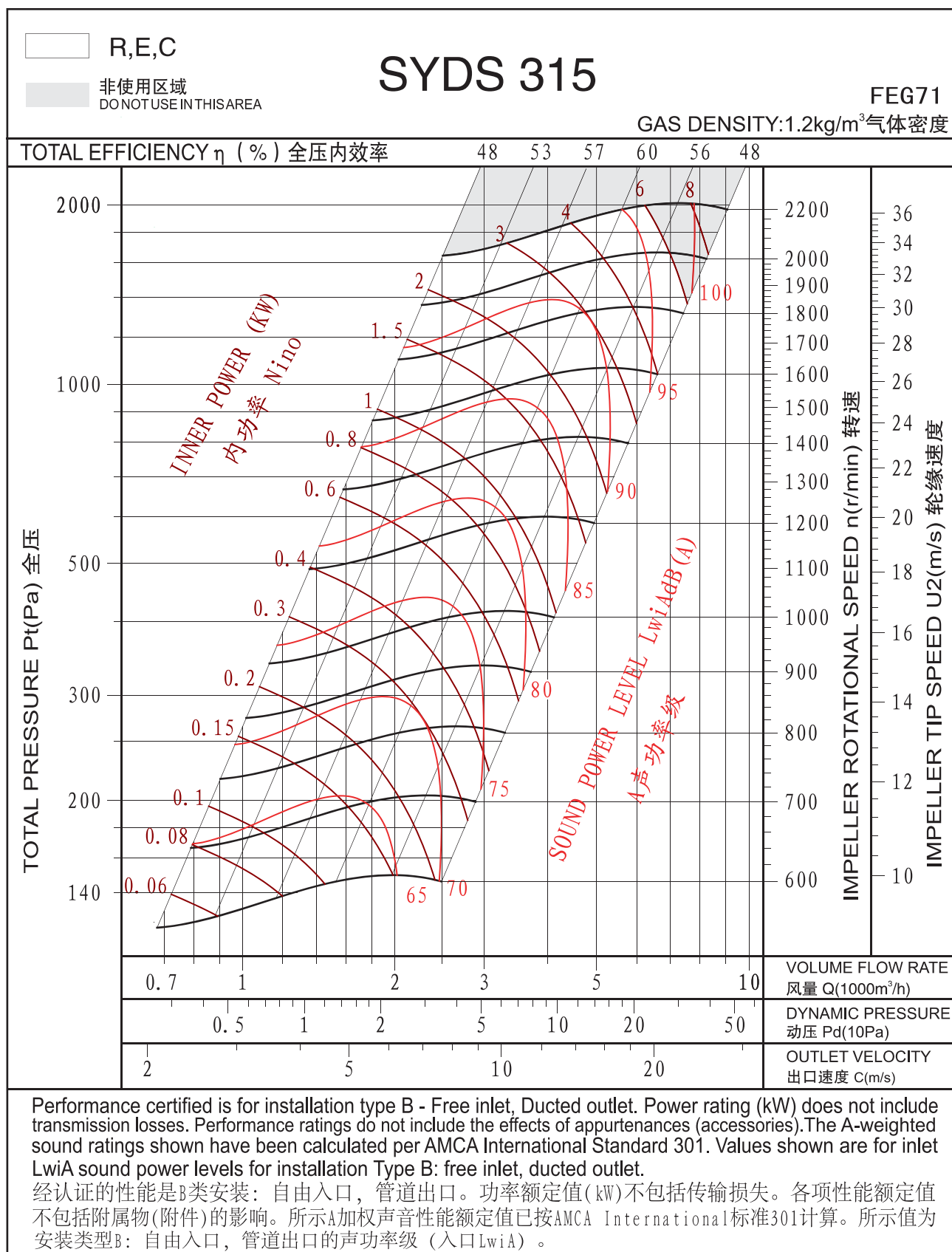
Designation of Products

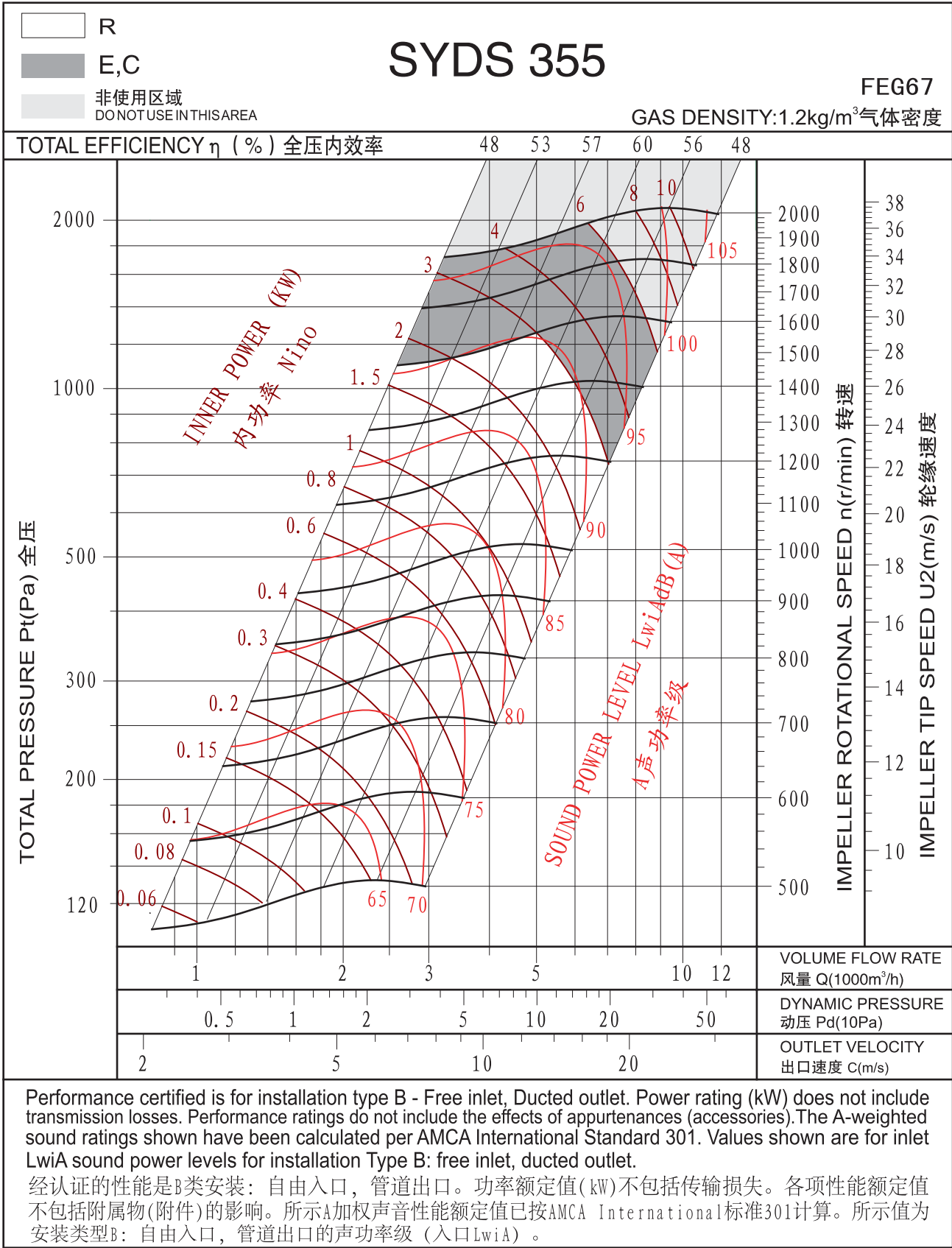
The model designations signify the nominal impeller outside diameters:

进风口法兰 (Inlet Flange)





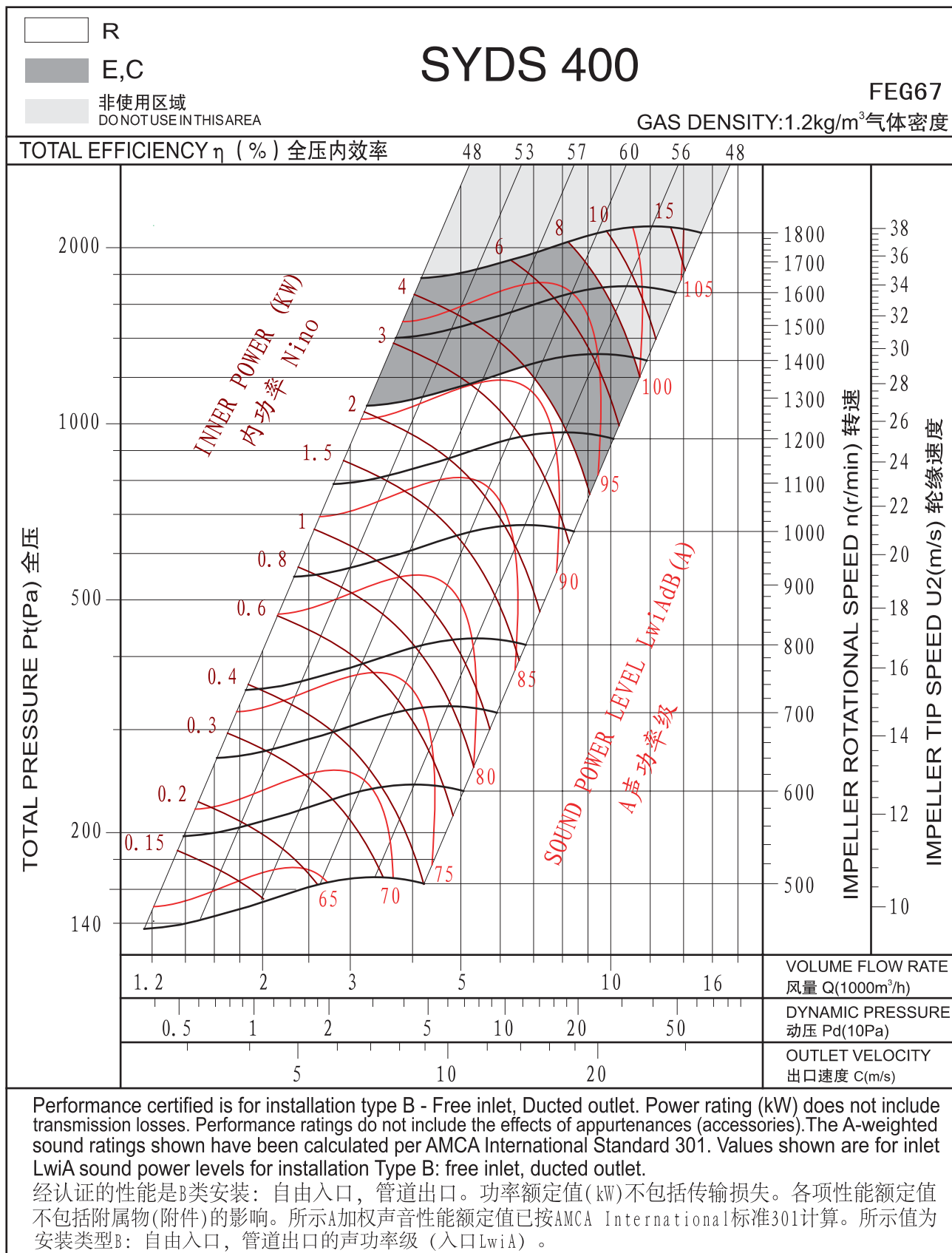


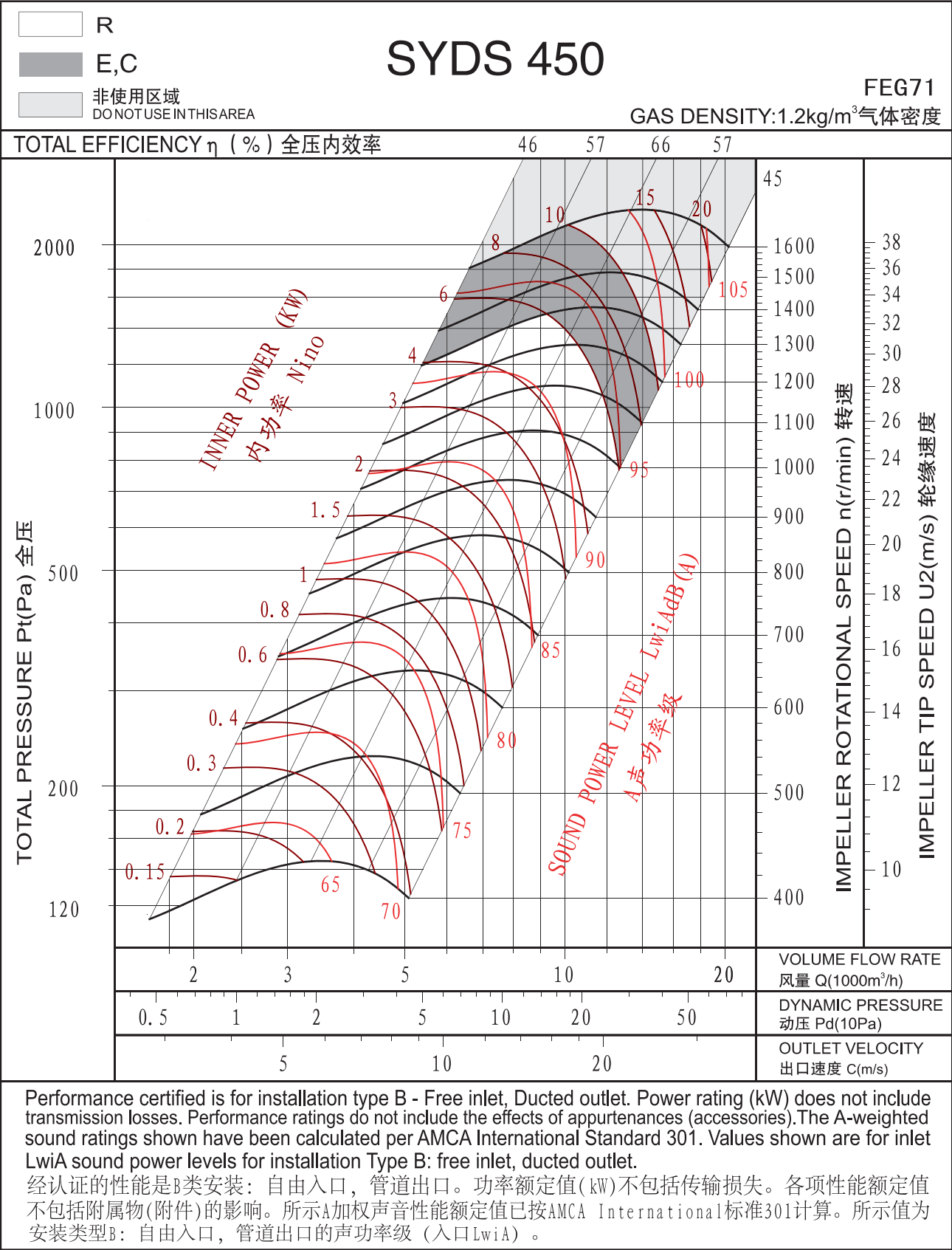


Performance certified is for installation type B - Free inlet, Ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.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

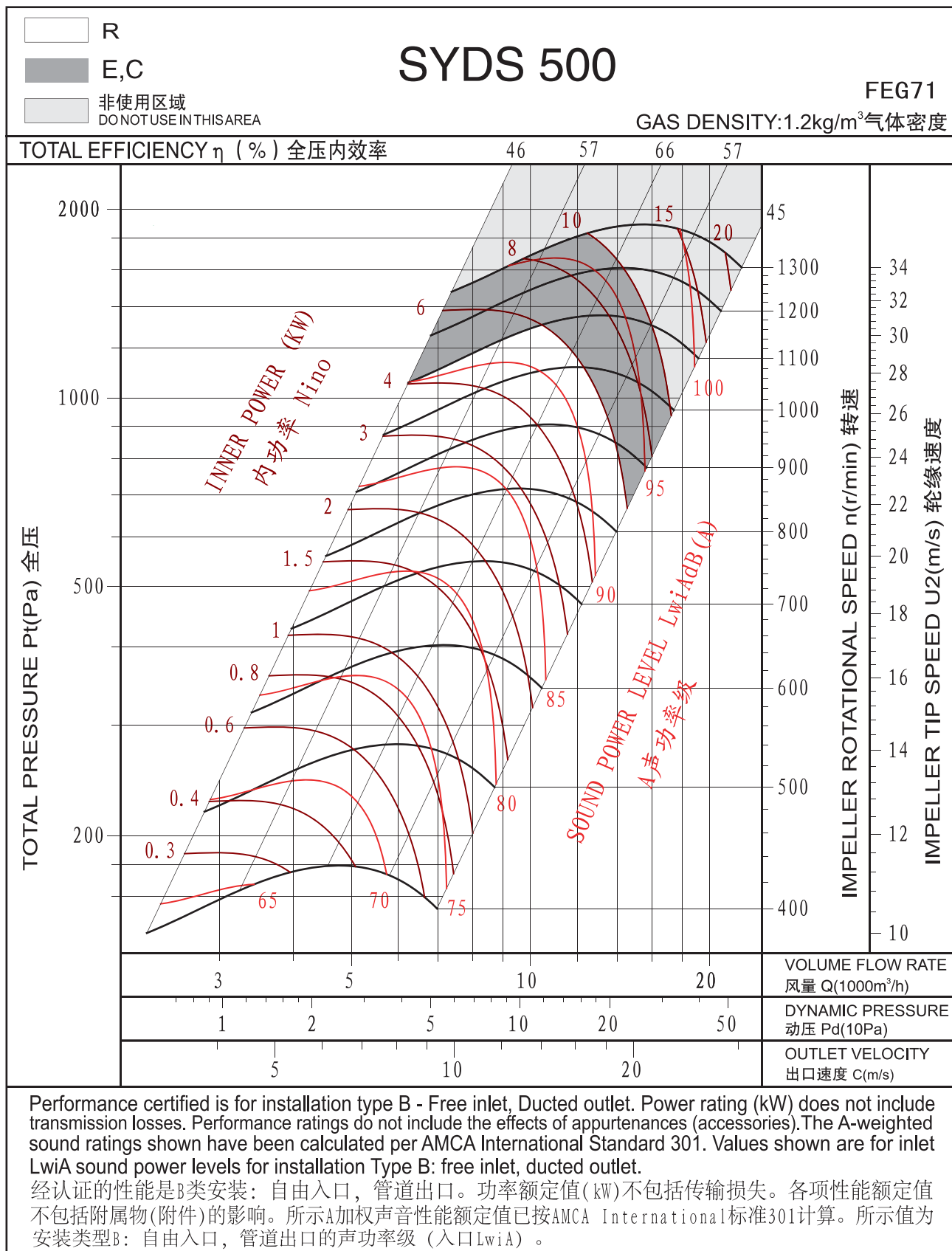
经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口LwA）。

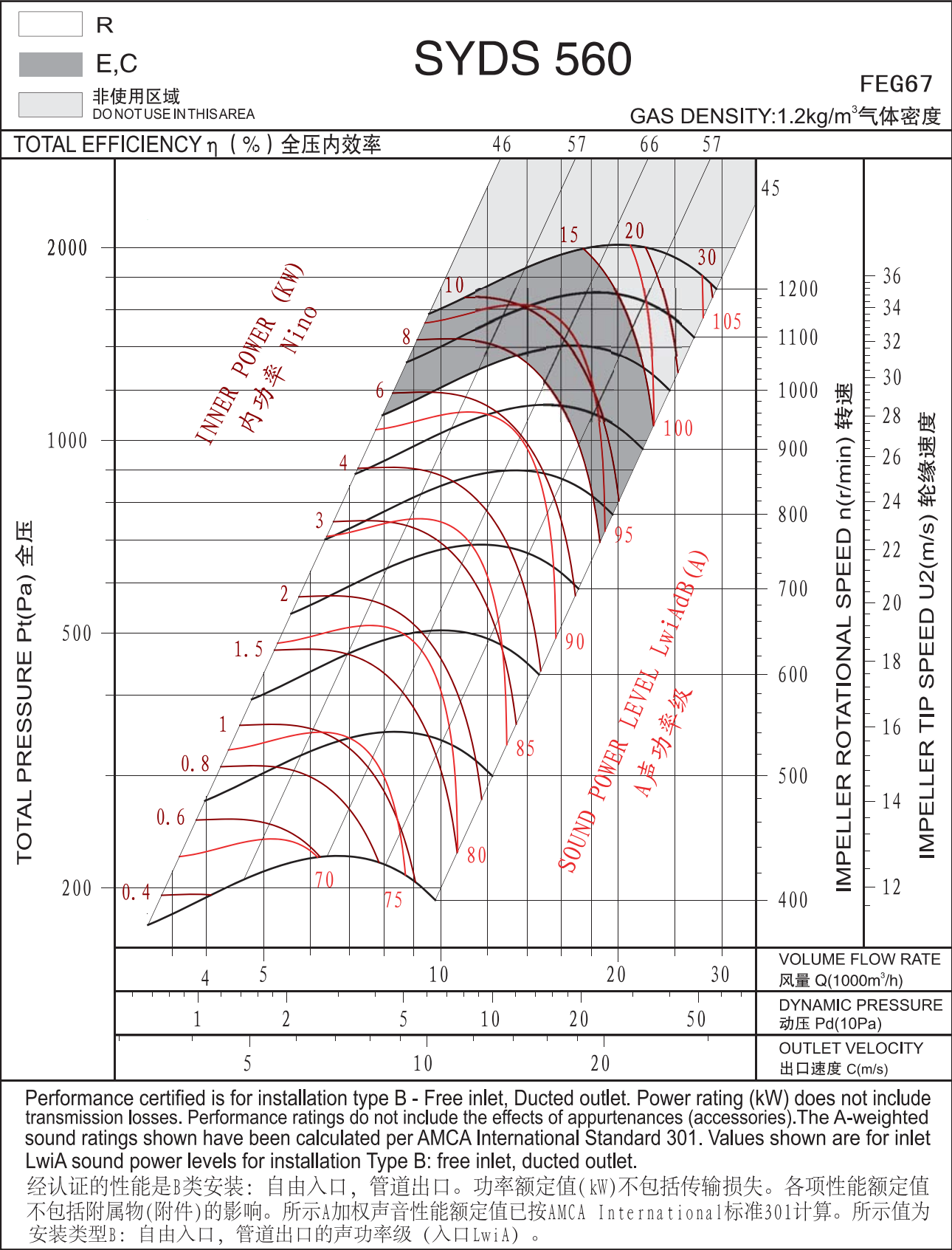
SYDS





SYDS





VOLUME FLOW RATE
风量 Q(1000m³/h)

4

5

10

20

30

DYNAMIC PRESSURE
动压 Pd(10Pa)

1

2

5

10

20

50

OUTLET VELOCITY
出口速度 C(m/s)

5

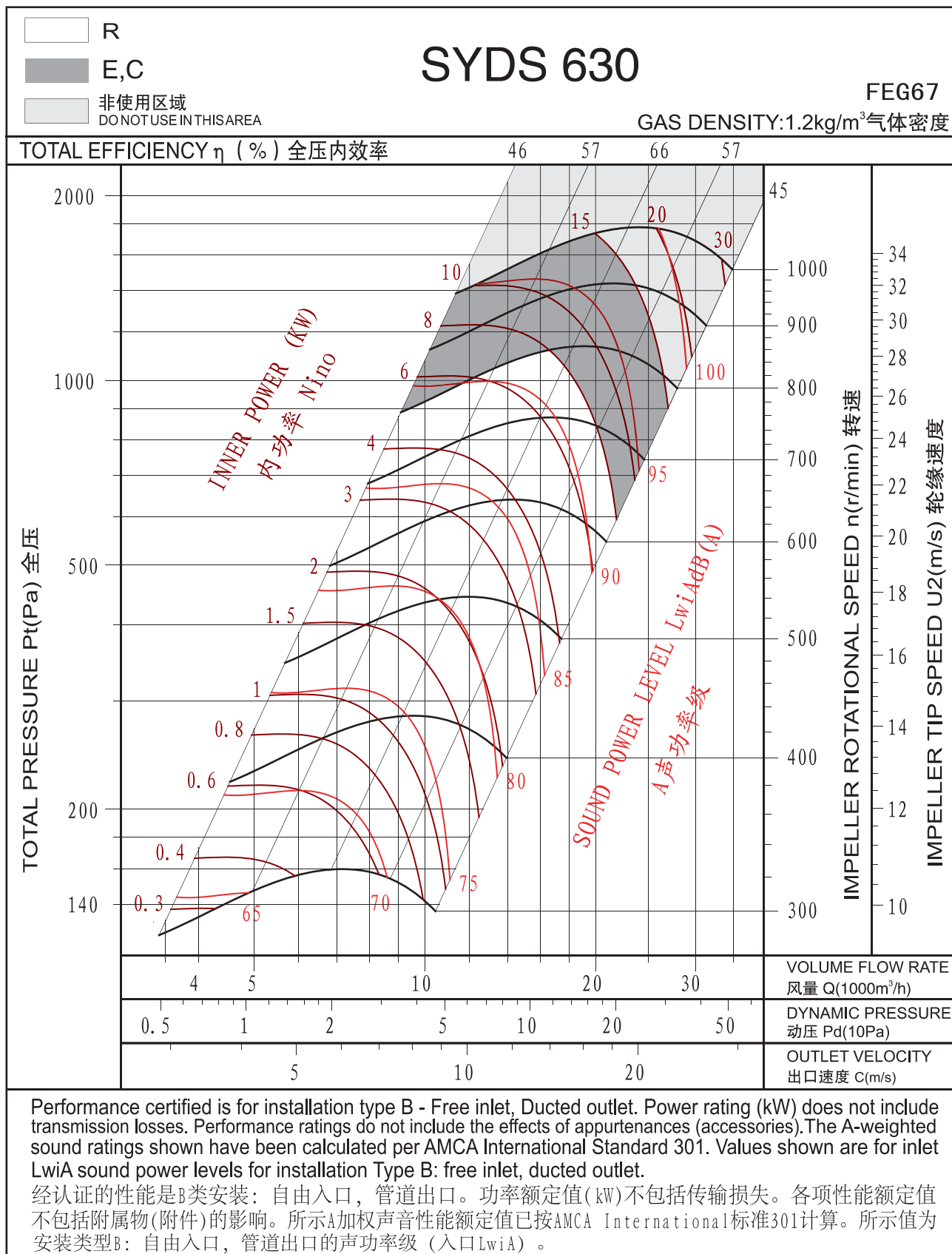
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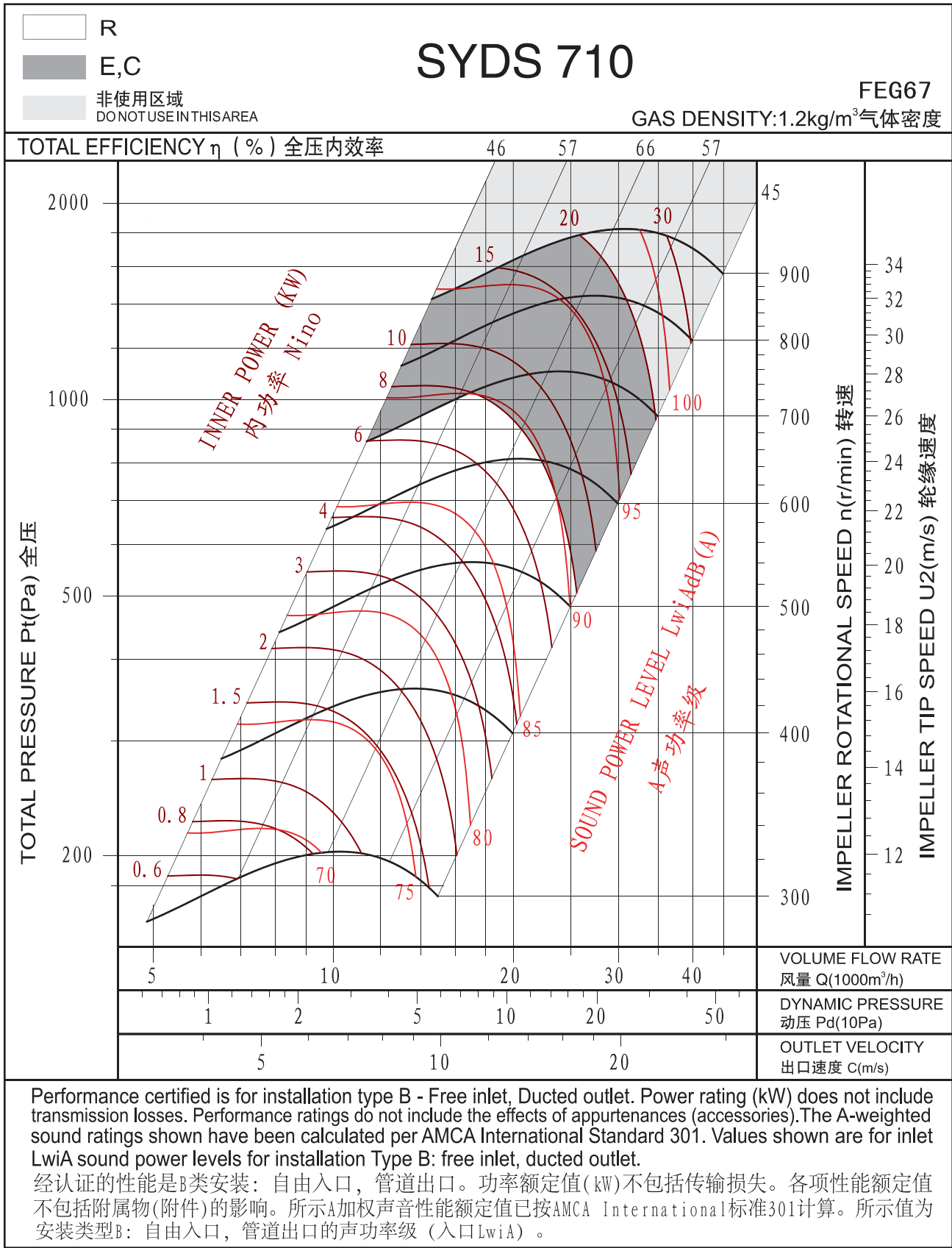
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Performance certified is for installation type B - Free inlet, Ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).The A-weighted sound ratings shown have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

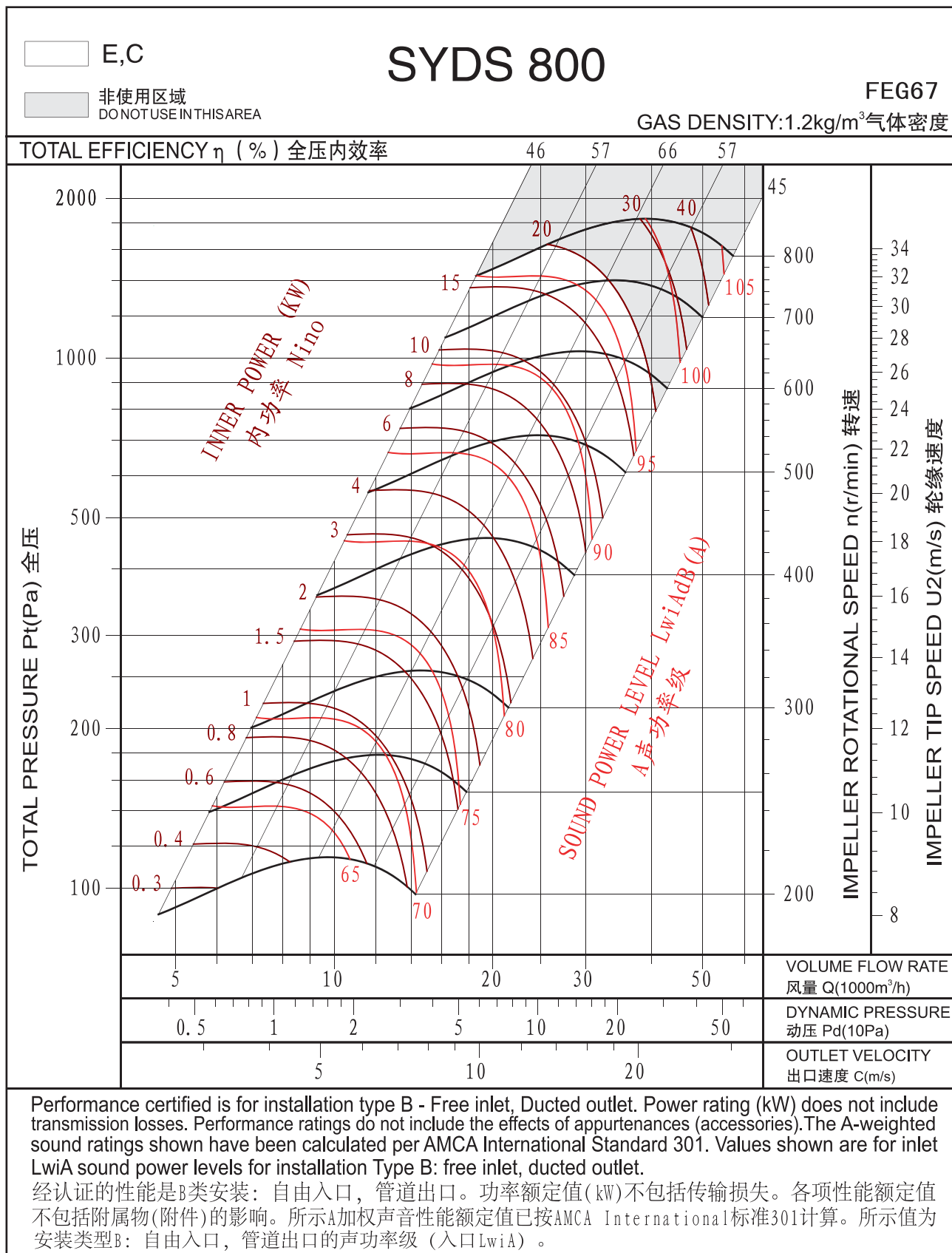
经认证的性能是B类安装：自由入口，管道出口。功率额定值(kW)不包括传输损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按AMCA International标准301计算。所示值为安装类型B：自由入口，管道出口的声功率级（入口LwiA）。

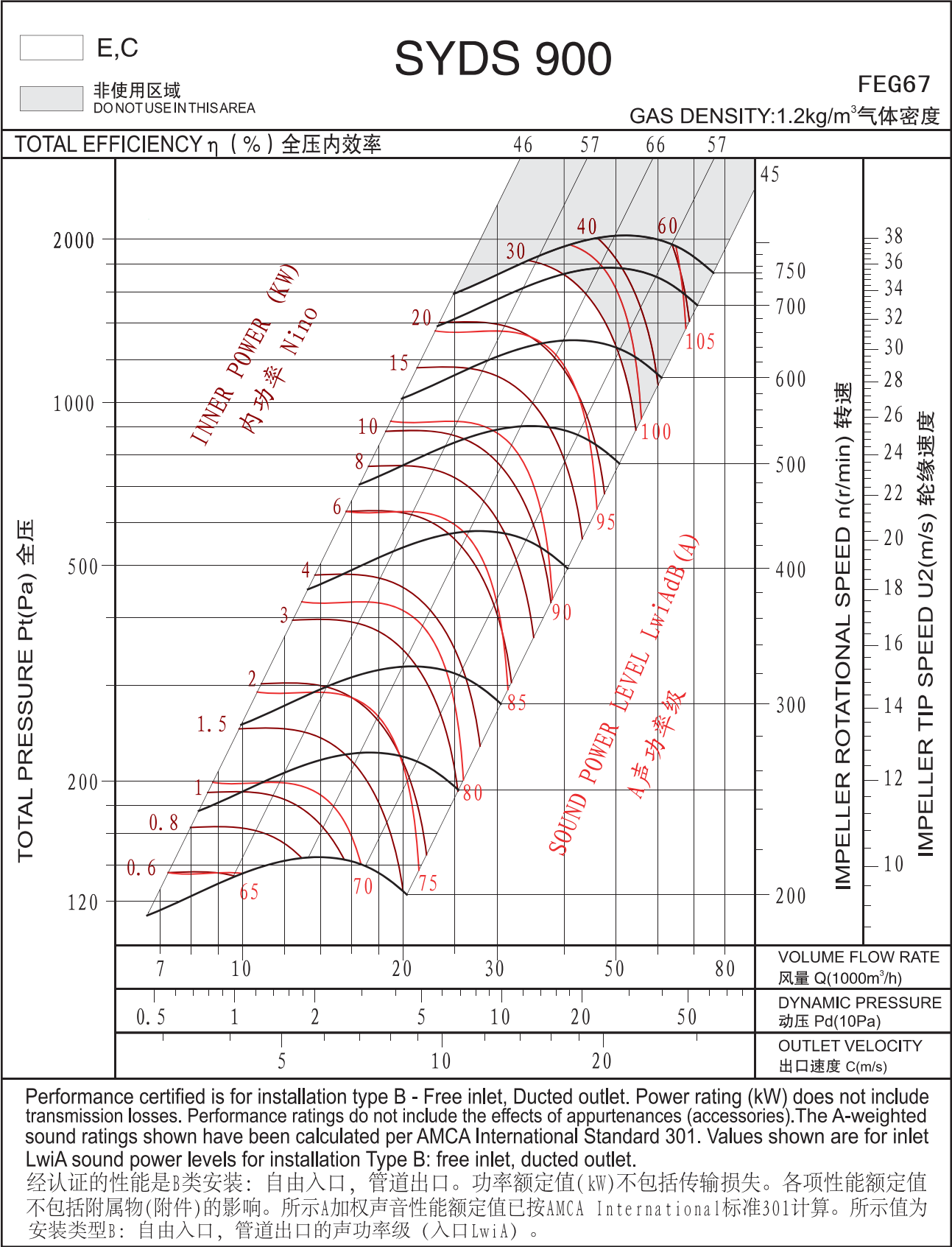
SYDS





SYDS





TOTAL EFFICIENCY η (%) 全压内效率

46 57 66 57

TOTAL PRESSURE Pt(Pa) 全压

2000

1000

500

200

120

INNER POWER (kW)
内功率 N_{in}(kW)

30

40

60

20

15

10

8

6

4

3

2

1.5

1

0.8

0.6

105

100

95

90

85

80

75

70

65

SOUND POWER LEVEL L_{WA}(dB(A))
A声功率级

45

38

36

34

32

30

28

26

24

22

20

18

16

14

12

10

IMPELLER ROTATIONAL SPEED n(r/min) 转速

750

700

600

500

400

300

200

IMPELLER TIP SPEED U2(m/s) 轮缘速度

45

38

36

34

32

30

28

26

24

22

20

18

16

14

12

10

VOLUME FLOW RATE
风量 Q(1000m³/h)

7

10

20

30

50

80

DYNAMIC PRESSURE
动压 Pd(10Pa)

0.5

1

2

5

10

20

50

OUTLET VELOCITY
出口速度 C(m/s)

5

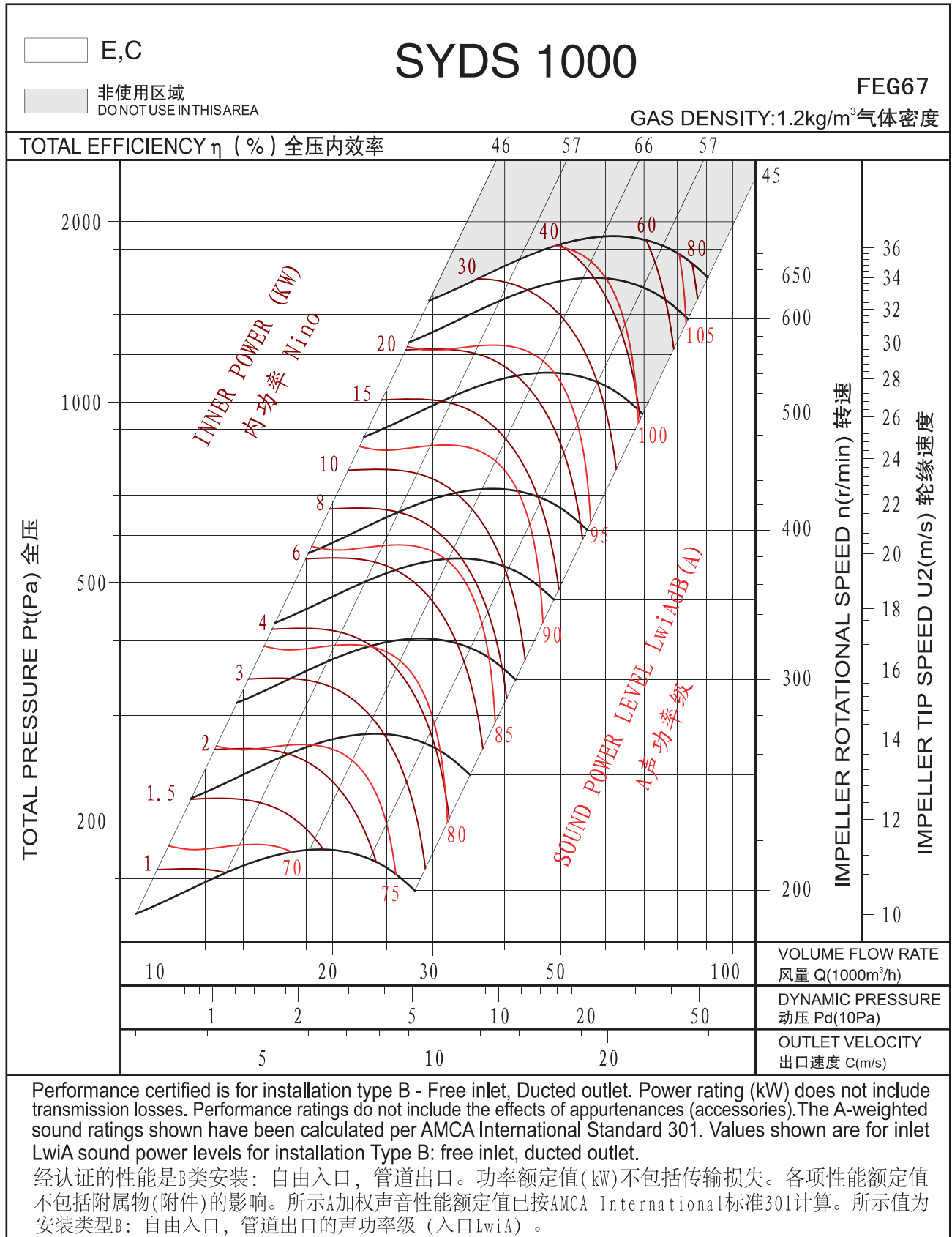
10

20

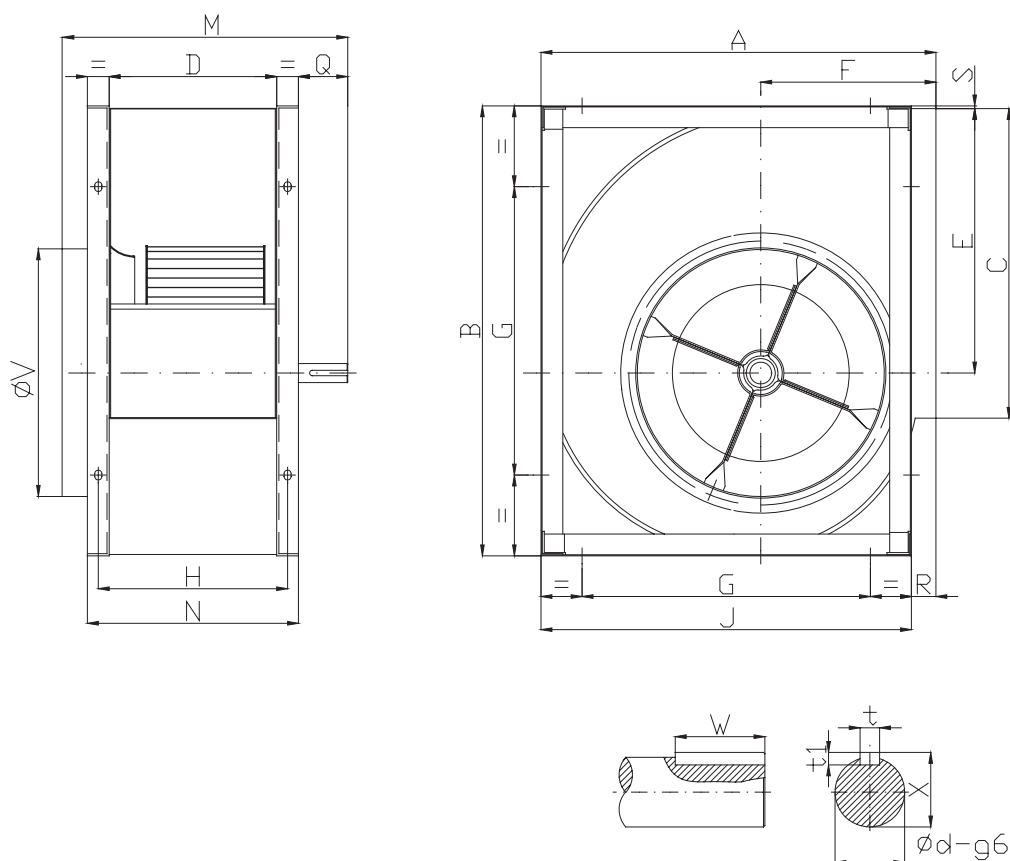
Performance certified is for installation type B - Free inlet, Ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories).The A-weighted sound ratings shown have been calculated per AMCA International Standard 301.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

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_{WA}）。

SYDS

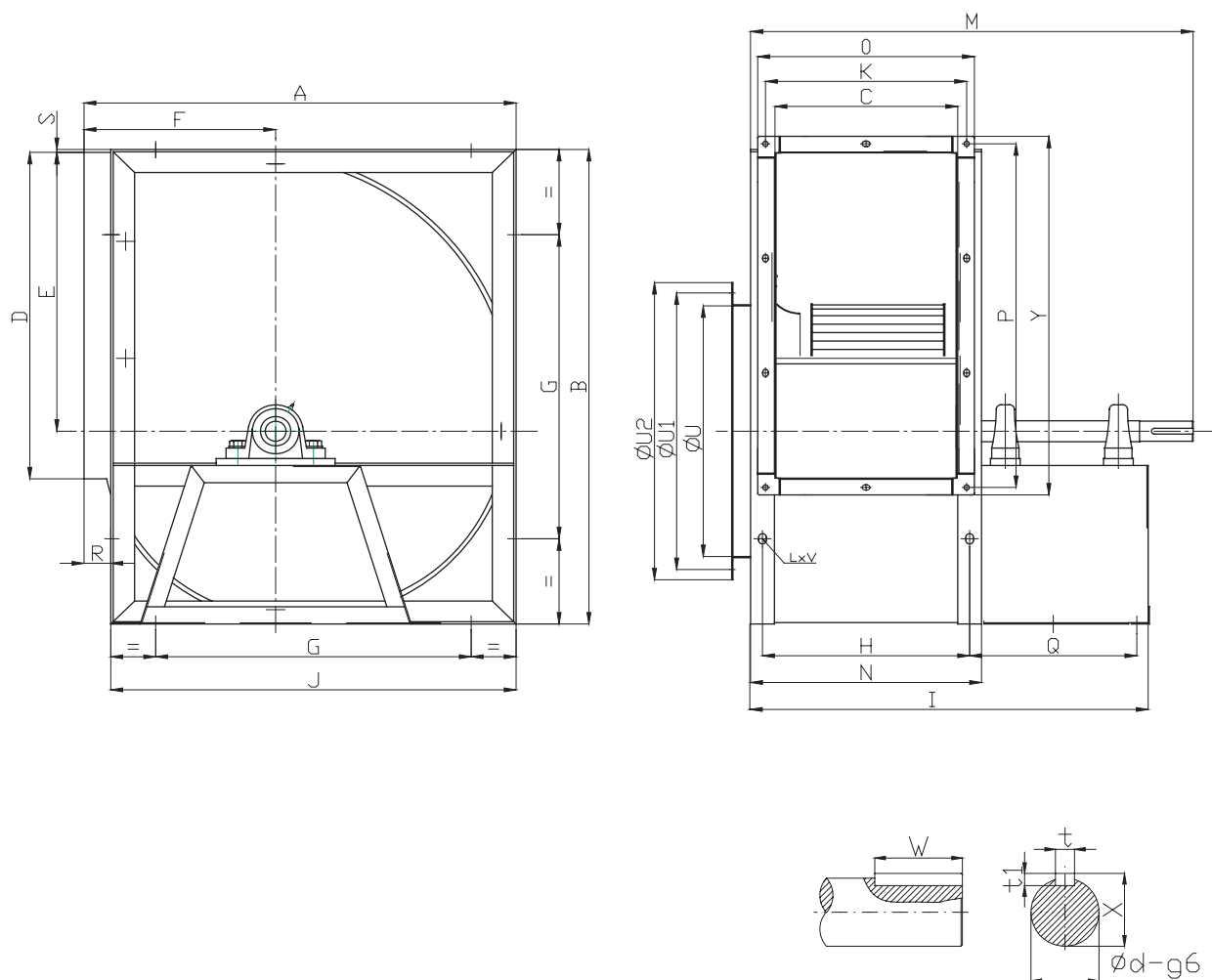


SYDS-R



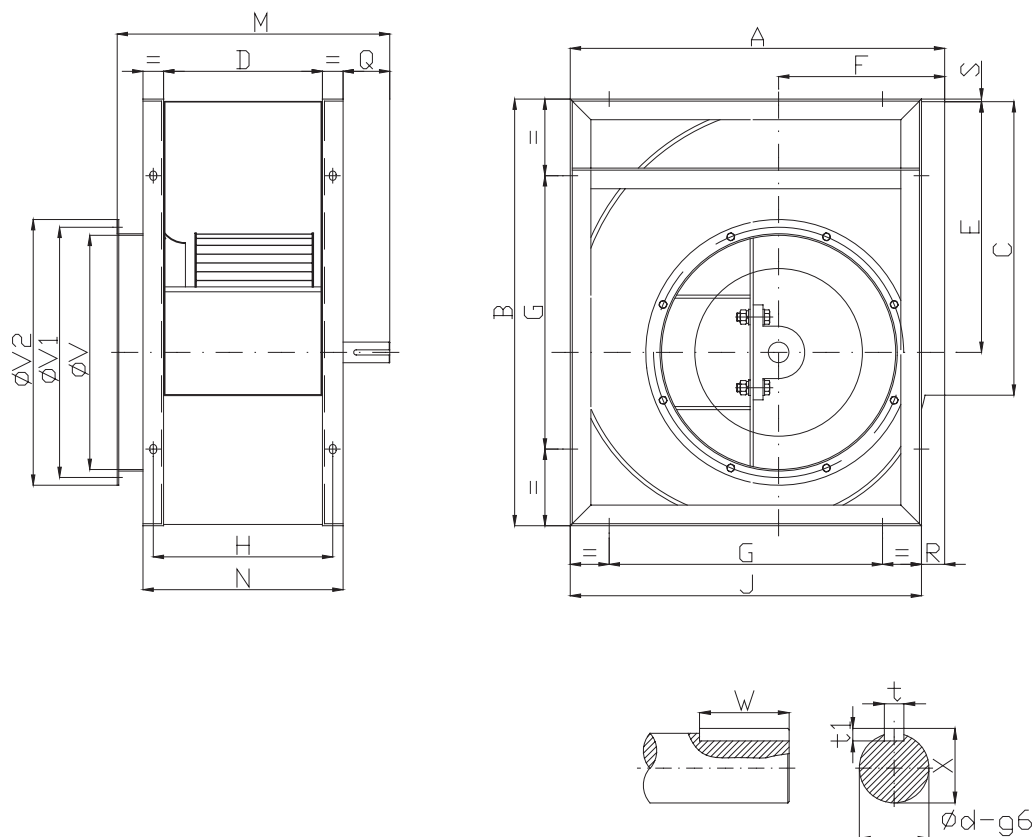
Model	A	B	C	D	E	F	G	H	J	K	M	N	Q	R	S	V	t	t1	W	X	φd	LxV
280	466	518	361	197	302	215	280	227	432	30	360	257	73	34	5	292	8	7	50	28	25	13x18
315	518	578	404	223	340	236	280	253	480	30	395	283	83	38	3	322	8	7	60	28	25	13x18
355	578	655	453	238	383	261	355	278	548	40	416	318	78	30	6	362	8	7	60	33	30	13x18
400	651	736	507	258	431.5	290	355	298	613	40	436	338	78	38	4.5	404	8	7	60	33	30	13x18
450	726	827	569	288	486	322	530	338	681	40	480	368	92	45	5	448	10	8	70	38	35	13x18
500	800	918	638	324	538	352	530	364	750	40	515	404	92	50	5	510	10	8	70	38	35	13x18
560	893	1030	715	368	602	390	530	418	845	50	585	468	87	48	8	570	12	8	70	43	40	13x18
630	999	1157	801	412	678.5	434	530	468	946	50	630	512	87	53	7	635	14	9	70	48.5	45	13x18
710	1121	1303	898	468	765	485	630	518	1058	50	715	568	115	63	7	722	14	9	90	53.5	50	17x22

SYDS-C



Model	A	B	C	D	E	F	G	H	I	J	K	M	N	O	P	Q	R	S	t	t1	U	U1	U2	W	X	Y	φd	LxV
280	466	518	197	361	302	215	280	227	530	432	213	590	257	239	391	274	34	5	8	7	292	325	355	40	33	471	30	13x18
315	518	578	223	404	340	236	280	253	556	480	233	612	283	259	434	274	38	3	8	7	322	344	383	40	33	460	30	13x18
355	578	655	238	453	383	261	355	278	627	548	260	687	318	286	483	300	30	6	8	7	362	386	423	50	38	509	35	13x18
400	651	736	258	507	431.5	290	355	298	654	613	290	708	338	316	537	300	38	4.5	8	7	404	432	466	50	38	563	35	13x18
450	726	827	288	569	486	322	530	338	728	681	318	796	368	344	599	340	45	5	10	8	448	485	515	70	43	526	40	13x18
500	800	918	324	638	538	352	530	364	764	750	350	830	404	376	668	340	50	5	10	8	510	544	570	70	43	694	40	13x18
560	893	1030	368	715	603	390	530	418	855	845	366	930	468	414	745	378	48	8	12	8	570	605	635	90	53.5	771	50	13x18
630	999	1157	412	801	678.5	434	530	468	904	946	434	974	512	460	831	378	53	7	12	8	635	670	700	90	53.5	857	50	13x18
710	1121	1303	468	898	765	485	630	518	1005	1058	483	1105	568	512	928	436	63	7	14	9	722	750	778	90	64	954	60	17x22
800	1250	1468	520	1007	862	535	710	570	1060	1181	541	1167	620	567	1039	440	69	7	14	9	808	844	875	90	64	1063	60	17x22
900	1408	1648	582	1130	971	604	800	632	1191	1319	602	1300	702	613	1160	510	89	7	16	10	896	945	980	100	64	1186	60	17x22
1000	1541	1810	663	1267	1066	657	900	713	1259	1462	668	1381	783	694	1297	510	79	9	16	10	996	1044	1080	100	64	1323	60	17x22

SYDS-E



Model	A	B	C	D	E	F	G	H	J	K	M	N	Q	R	S	V	V1	V2	t	t1	W	X	φd	LxV
280	466	518	361	197	302	215	280	227	432	30	405	257	86	34	5	292	325	355	8	7	60	33	30	13x18
315	518	578	404	223	340	236	280	253	480	30	440	283	96	38	3	322	344	383	8	7	70	33	30	13x18
355	578	655	453	238	383	261	355	278	548	40	461	318	91	30	6	362	386	423	10	8	70	38	35	13x18
400	651	736	507	258	431.5	290	355	298	613	40	481	338	91	38	4.5	404	432	466	10	8	70	38	35	13x18
450	726	827	569	288	486	322	530	338	681	40	536	368	116	45	5	448	485	515	12	8	90	43	40	13x18
500	800	918	638	324	538	352	530	364	750	40	572	404	116	50	5	510	544	570	12	8	90	43	40	13x18
560	893	1030	715	368	602	390	530	418	845	50	625	468	115	48	8	570	605	635	14	9	90	53.5	50	13x18
630	999	1157	801	412	678.5	434	530	468	946	50	670	512	115	53	7	635	670	700	14	9	90	53.5	50	13x18
710	1121	1303	898	468	765	485	630	518	1058	50	736	568	126	63	7	722	750	778	18	11	90	64	60	17x22
800	1250	1468	1007	520	862	535	710	570	1181	50	788	620	126	69	7	808	844	875	18	11	90	64	60	17x22
900	1408	1648	1130	582	971	604	800	632	1319	60	867	702	135	89	7	896	945	980	18	11	100	64	60	17x22
1000	1541	1810	1267	663	1066	657	900	713	1462	60	950	783	135	79	9	996	1044	1080	18	11	100	64	60	17x22

SYDS-C

		0°				90°				180°			
		左旋LG				右旋LG				左旋LG			
型号	电机	L	A	B	C	L	A	B	C	L	A	B	C
280	80	425	760	675	568	375	850	675	516	410	760	675	568
	90	435	780	675	568	385	860	675	516	420	780	675	568
	100	445	800	675	568	395	880	675	516	430	800	675	568
	112	455	850	675	568	405	930	675	516	440	850	675	568
	132	465	870	675	568	415	950	675	516	450	870	675	568
315	80	465	800	700	628	405	900	700	568	440	800	700	628
	90	475	820	700	627	415	920	700	568	450	820	700	627
	100	485	850	700	628	425	950	700	568	460	850	700	628
	112	495	900	700	628	435	1000	700	568	470	900	700	628
	132	505	920	700	628	445	1020	700	568	480	920	700	628
355	80	515	850	775	705	445	1000	775	628	480	850	775	705
	90	525	860	775	705	455	1000	775	628	490	860	775	705
	100	535	900	775	705	465	1040	775	628	500	900	775	705
	112	545	960	775	705	475	1080	775	628	510	960	775	705
	132	555	980	775	705	485	1100	775	628	520	980	775	705
400	90	585	930	800	786	500	950	800	701	540	930	800	786
	100	595	980	800	786	510	1000	800	701	550	980	800	786
	112	605	1030	800	786	520	1160	800	701	560	1030	800	786
	132	615	1050	800	786	530	1180	800	701	570	1050	800	786
	160	615	1100	800	786	530	1230	800	701	570	1100	800	786
450	90	650	1000	894	877	548	1120	894	776	590	1000	894	877
	100	660	1050	894	877	558	1170	894	776	600	1050	894	877
	112	670	1100	894	877	568	1220	894	776	610	1100	894	877
	132	680	1120	894	877	578	1270	894	776	620	1120	894	877
	160	680	1200	894	877	578	1350	894	776	620	1200	894	877
500	90	720	1100	930	968	610	1250	930	850	650	1100	930	968
	100	730	1130	930	968	620	1280	930	850	660	1130	930	968
	112	740	1180	930	968	630	1330	930	850	670	1180	930	968
	132	750	1200	930	968	640	1350	930	850	680	1200	930	968
	160	750	1280	930	968	640	1440	930	850	680	1280	930	968



SYDS-C

型号	电机	0°				90°				180°			
		L	A	B	C	L	A	B	C	L	A	B	C
560	100	805	1210	1020	1093	680	1370	1020	956	720	1210	1020	1093
	112	815	1260	1020	1093	690	1420	1020	956	730	1260	1020	1093
	132	825	1280	1020	1093	700	1460	1020	956	740	1280	1020	1093
	160	835	1360	1020	1093	710	1540	1020	956	750	1360	1020	1093
	180	845	1400	1020	1093	720	1580	1020	956	760	1400	1020	1093
630	100	895	1310	1065	1220	755	1530	1065	1062	795	1310	1065	1220
	112	905	1360	1065	1220	765	1580	1065	1062	805	1360	1065	1220
	132	915	1380	1065	1220	775	1600	1065	1062	815	1380	1065	1220
	160	930	1450	1065	1220	790	1680	1065	1062	830	1450	1065	1220
	180	940	1500	1065	1220	800	1730	1065	1062	840	1500	1065	1220
	200	950	1550	1065	1220	810	1780	1065	1062	850	1550	1065	1220
710	100	1005	1430	1185	1366	840	1670	1185	1184	885	1430	1185	1366
	112	1015	1480	1185	1366	850	1720	1185	1184	895	1480	1185	1366
	132	1025	1500	1185	1366	860	1740	1185	1184	905	1500	1185	1366
	160	1040	1570	1185	1366	875	1800	1185	1184	920	1570	1185	1366
	180	1050	1620	1185	1366	885	1850	1185	1184	930	1620	1185	1366
	200	1060	1670	1185	1366	895	1900	1185	1184	940	1670	1185	1366
	225	1070	1700	1185	1366	905	1930	1185	1184	950	1700	1185	1366
800	112	1130	1580	1245	1548	950	1880	1245	1330	990	1580	1245	1548
	132	1140	1600	1245	1548	960	1900	1245	1330	1000	1600	1245	1548
	160	1155	1650	1245	1548	975	1950	1245	1330	1015	1650	1245	1548
	180	1165	1720	1245	1548	985	2020	1245	1330	1025	1720	1245	1548
	200	1175	1770	1245	1548	995	2070	1245	1330	1035	1770	1245	1548
	225	1185	1820	1245	1548	1005	2120	1245	1330	1045	1820	1245	1548
	250	1195	1880	1245	1548	1015	2180	1245	1330	1055	1880	1245	1548
900	112	1270	1730	1375	1728	1060	2060	1375	1488	1110	1730	1375	1728
	132	1280	1750	1375	1728	1070	2080	1375	1488	1110	1750	1375	1728
	160	1295	1800	1375	1728	1085	2130	1375	1488	1125	1800	1375	1728
	180	1310	1880	1375	1728	1095	2220	1375	1488	1135	1880	1375	1728
	200	1320	1920	1375	1728	1105	2250	1375	1488	1145	1920	1375	1728
	225	1330	1980	1375	1728	1115	2320	1375	1488	1155	1980	1375	1728
	250	1340	2050	1375	1728	1125	2380	1375	1488	1165	2050	1375	1728
1000	132	1400	1900	1450	1890	1175	2250	1450	1621	1215	1900	1450	1890
	160	1415	1950	1450	1890	1190	2300	1450	1621	1230	1950	1450	1890
	180	1425	2030	1450	1890	1200	2380	1450	1621	1240	2030	1450	1890
	200	1435	2070	1450	1890	1210	2420	1450	1621	1250	2070	1450	1890
	225	1445	2130	1450	1890	1220	2480	1450	1621	1260	2130	1450	1890
	250	1455	2200	1450	1890	1230	2550	1450	1621	1270	2200	1450	1890
	280	1465	2250	1450	1890	1240	2600	1450	1621	1280	2250	1450	1890

SYDS-E

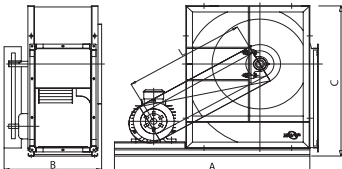
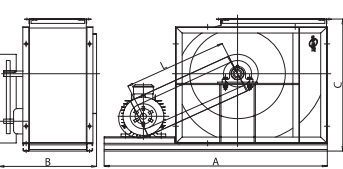
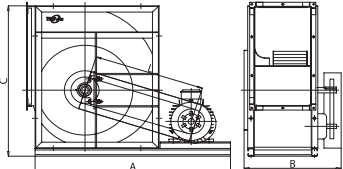
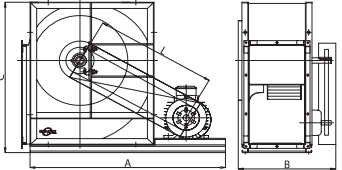
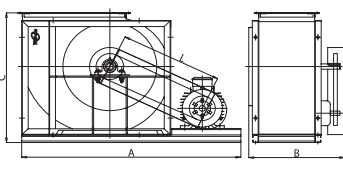
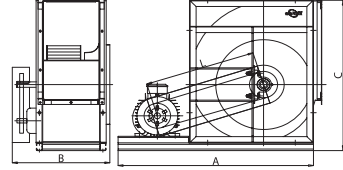
		0°					90°					180°				
		左旋LG														
		右旋LG														
型号	电机	L	A	B	C		L	A	B	C		L	A	B	C	
280	80	425	760	430	568		375	850	430	516		410	760	430	568	
	90	435	780	430	568		385	860	430	516		420	780	430	568	
	100	445	800	430	568		395	880	430	516		430	800	430	568	
	112	455	850	430	568		405	930	430	516		440	850	430	568	
	132	465	870	430	568		415	950	430	516		450	870	430	568	
315	80	465	800	465	628		405	900	465	568		440	800	465	628	
	90	475	820	465	627		415	920	465	568		450	820	465	627	
	100	485	850	465	628		425	950	465	568		460	850	465	628	
	112	495	900	465	628		435	1000	465	568		470	900	465	628	
	132	505	920	465	628		445	1020	465	568		480	920	465	628	
355	80	515	850	495	705		445	1000	495	628		480	850	495	705	
	90	525	860	495	705		455	1000	495	628		490	860	495	705	
	100	535	900	495	705		465	1040	495	628		500	900	495	705	
	112	545	960	495	705		475	1080	495	628		510	960	495	705	
	132	555	980	495	705		485	1100	495	628		520	980	495	705	
400	90	585	930	525	786		500	950	525	701		540	930	525	786	
	100	595	980	525	786		510	1000	525	701		550	980	525	786	
	112	605	1030	525	786		520	1160	525	701		560	1030	525	786	
	132	615	1050	525	786		530	1180	525	701		570	1050	525	786	
	160	615	1100	525	786		530	1230	525	701		570	1100	525	786	
450	90	650	1000	580	877		548	1120	580	776		590	1000	580	877	
	100	660	1050	580	877		558	1170	580	776		600	1050	580	877	
	112	670	1100	580	877		568	1220	580	776		610	1100	580	877	
	132	680	1120	580	877		578	1270	580	776		620	1120	580	877	
	160	680	1200	580	877		578	1350	580	776		620	1200	580	877	
500	90	720	1100	620	968		610	1250	620	850		650	1100	620	968	
	100	730	1130	620	968		620	1280	620	850		660	1130	620	968	
	112	740	1180	620	968		630	1330	620	850		670	1180	620	968	
	132	750	1200	620	968		640	1350	620	850		680	1200	620	968	
	160	750	1280	620	968		640	1440	620	850		680	1280	620	968	



SYDS-E

型号	电机	0°				90°				180°			
		L	A	B	C	L	A	B	C	L	A	B	C
560	100	805	1210	665	1093	680	1370	665	956	720	1210	665	1093
	112	815	1260	665	1093	690	1420	665	956	730	1260	665	1093
	132	825	1280	665	1093	700	1460	665	956	740	1280	665	1093
	160	835	1360	665	1093	710	1540	665	956	750	1360	665	1093
	180	845	1400	665	1093	720	1580	665	956	760	1400	665	1093
630	100	895	1310	715	1220	755	1530	715	1062	795	1310	715	1220
	112	905	1360	715	1220	765	1580	715	1062	805	1360	715	1220
	132	915	1380	715	1220	775	1600	715	1062	815	1380	715	1220
	160	930	1450	715	1220	790	1680	715	1062	830	1450	715	1220
	180	940	1500	715	1220	800	1730	715	1062	840	1500	715	1220
	200	950	1550	715	1220	810	1780	715	1062	850	1550	715	1220
710	100	1005	1430	770	1366	840	1670	770	1184	885	1430	770	1366
	112	1015	1480	770	1366	850	1720	770	1184	895	1480	770	1366
	132	1025	1500	770	1366	860	1740	770	1184	905	1500	770	1366
	160	1040	1570	770	1366	875	1800	770	1184	920	1570	770	1366
	180	1050	1620	770	1366	885	1850	770	1184	930	1620	770	1366
	200	1060	1670	770	1366	895	1900	770	1184	940	1670	770	1366
	225	1070	1700	770	1366	905	1930	770	1184	950	1700	770	1366
800	112	1130	1580	825	1548	950	1880	825	1330	990	1580	825	1548
	132	1140	1600	825	1548	960	1900	825	1330	1000	1600	825	1548
	160	1155	1650	825	1548	975	1950	825	1330	1015	1650	825	1548
	180	1165	1720	825	1548	985	2020	825	1330	1025	1720	825	1548
	200	1175	1770	825	1548	995	2070	825	1330	1035	1770	825	1548
	225	1185	1820	825	1548	1005	2120	825	1330	1045	1820	825	1548
	250	1195	1880	825	1548	1015	2180	825	1330	1055	1880	825	1548
900	112	1270	1730	905	1728	1060	2060	905	1488	1110	1730	905	1728
	132	1280	1750	905	1728	1070	2080	905	1488	1110	1750	905	1728
	160	1295	1800	905	1728	1085	2130	905	1488	1125	1800	905	1728
	180	1310	1880	905	1728	1095	2220	905	1488	1135	1880	905	1728
	200	1320	1920	905	1728	1105	2250	905	1488	1145	1920	905	1728
	225	1330	1980	905	1728	1115	2320	905	1488	1155	1980	905	1728
	250	1340	2050	905	1728	1125	2380	905	1488	1165	2050	905	1728
1000	132	1400	1900	975	1890	1175	2250	975	1621	1215	1900	975	1890
	160	1415	1950	975	1890	1190	2300	975	1621	1230	1950	975	1890
	180	1425	2030	975	1890	1200	2380	975	1621	1240	2030	975	1890
	200	1435	2070	975	1890	1210	2420	975	1621	1250	2070	975	1890
	225	1445	2130	975	1890	1220	2480	975	1621	1260	2130	975	1890
	250	1455	2200	975	1890	1230	2550	975	1621	1270	2200	975	1890
	280	1465	2250	975	1890	1240	2600	975	1621	1280	2250	975	1890

SYDS-R

		0°				90°				180°			
左旋LG													
右旋LG													
型号	电机	L	A	B	C	L	A	B	C	L	A	B	C
280	71	415	740	400	568	365	830	400	516	400	740	400	568
	80	425	760	400	568	375	850	400	516	410	760	400	568
	90	435	780	400	568	385	860	400	516	420	780	400	568
	100	445	800	400	568	395	880	400	516	430	800	400	568
	112	455	850	400	568	405	930	400	516	440	850	400	568
315	71	455	780	435	628	395	880	435	568	430	780	435	628
	80	465	800	435	628	405	900	435	568	440	800	435	628
	90	475	820	435	628	415	920	435	568	450	820	435	628
	100	485	850	435	628	425	950	435	568	460	850	435	628
	112	495	900	435	628	435	1000	435	568	470	900	435	628
355	71	505	830	465	705	435	960	465	628	470	830	465	705
	80	515	850	465	705	445	980	465	628	480	850	465	705
	90	525	860	465	705	455	1000	465	628	490	860	465	705
	100	535	900	465	705	465	1040	465	628	500	900	465	705
	112	545	960	465	705	475	1080	465	628	510	960	465	705
400	71	565	880	495	786	480	900	495	701	520	880	495	786
	80	575	900	495	786	490	920	495	701	530	900	495	786
	90	585	930	495	786	500	950	495	701	540	930	495	786
	100	595	980	495	786	510	1000	495	701	550	980	495	786
	112	605	1030	495	786	520	1160	495	701	560	1030	495	786
	132	615	1050	495	786	530	1180	495	701	570	1050	495	786
450	80	640	980	550	877	548	1100	550	776	580	980	550	877
	90	650	1000	550	877	548	1120	550	776	590	1000	550	877
	100	660	1050	550	877	558	1170	550	776	600	1050	550	877
	112	670	1100	550	877	568	1220	550	776	610	1100	550	877
	132	680	1120	550	877	578	1270	550	776	620	1120	550	877
500	80	710	1080	590	968	600	1230	590	850	640	1080	590	968
	90	720	1100	590	968	610	1250	590	850	650	1100	590	968
	100	730	1130	590	968	620	1280	590	850	660	1130	590	968
	112	740	1180	590	968	630	1330	590	850	670	1180	590	968
	132	750	1200	590	968	640	1350	590	850	680	1200	590	968



SYDS-R

型号	电机	0°				90°				180°			
		L	A	B	C	L	A	B	C	L	A	B	C
560	90	795	1160	635	1093	670	1320	635	956	710	1160	635	1093
	100	805	1210	635	1093	680	1370	635	956	720	1210	635	1093
	112	815	1260	635	1093	690	1420	635	956	730	1260	635	1093
	132	825	1280	635	1093	700	1460	635	956	740	1280	635	1093
	160	835	1360	635	1093	710	1540	635	956	750	1360	635	1093
630	90	885	1260	685	1220	745	1480	685	1062	785	1260	685	1220
	100	895	1310	685	1220	755	1530	685	1062	795	1310	685	1220
	112	905	1360	685	1220	765	1580	685	1062	805	1360	685	1220
	132	915	1380	685	1220	775	1600	685	1062	815	1380	685	1220
	160	930	1450	685	1220	790	1680	685	1062	830	1450	685	1220
710	90	995	1380	740	1366	830	1620	740	1184	875	1380	740	1366
	100	1005	1430	740	1366	840	1670	740	1184	885	1430	740	1366
	112	1015	1480	740	1366	850	1720	740	1184	895	1480	740	1366
	132	1025	1500	740	1366	860	1740	740	1184	905	1500	740	1366
	160	1040	1570	740	1366	875	1800	740	1184	920	1570	740	1366

注：L=风机轮与电机轮之间的中心距

L=Center distance between fan and motor pulley

SYDS系列风机运行极限

SYDS Series Ventilator Operational Limits

			280	315	355	400	450	500	560	630	710	800	900	1000
极限吸收功率	R	KW	4	6	3	4	6	6	8	8	10	\	\	\
	E	KW	4	6	6	8	10	10	15	15	20	20	30	40
	C	KW	4	6	6	8	10	10	15	15	20	20	30	40
极限转速	R	rpm	2400	2000	1800	1500	1300	1100	1000	800	700	\	\	\
	E	rpm	2400	2000	2000	1800	1600	1300	1200	1000	900	800	750	650
	C	rpm	2400	2000	2000	1800	1600	1300	1200	1000	900	800	750	650
极限温度 (最低-20℃)	R	Max.℃	85	85	85	85	85	85	85	85	85	\	\	\
	E	Max.℃	85	85	85	85	85	85	85	85	85	85	85	85
	C	Max.℃	180	180	180	180	180	180	180	180	180	180	180	180
风机重量	R	Kg	15	17	21	30	37	48	60	76	125	\	\	\
	E	Kg	23	26	39	46	51	70	95	110	162	200	245	275
	C	Kg	30	33	48	57	65	85	115	130	185	230	280	315

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。

The datas such as performance, dimension and etc. in this catalogue is subject to change without notice, Please contact with the manufacture for further information.

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Reference:SYQS-CY-2011, August 2011
Reference:SYDS-CY-2011, August 2011