



CB/CBF/CBPF 系列箱式风机

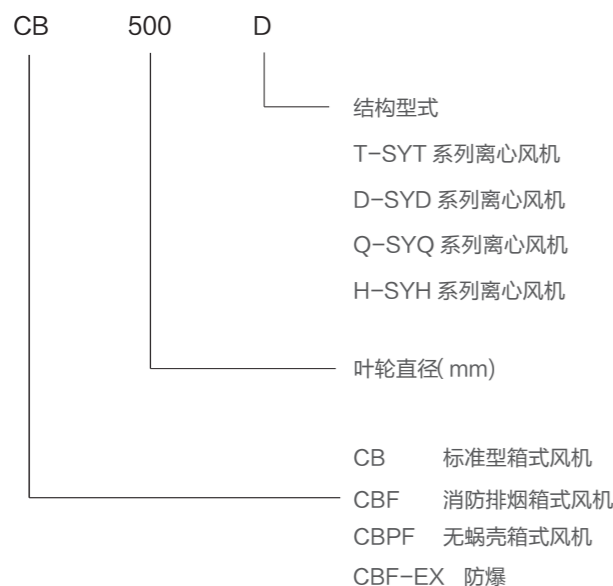
概述

CB 系列节能低噪声箱式风机是引进德国、英国先进技术,通过本公司吸收、消化、提高而研制成功的箱体式离心风机。具有效率高、噪声低、性能优良、结构新颖、安装方便等优点。

CB-F 系列为一机两用(通风和消防)型箱式风机,风机在烟气温度达到 280℃ 的场合,连续运行 0.5 小时以上,该系列风机经“国家消防装备质量监督检验中心”检验合格,是高层建筑通风及消防、排烟两用的新型产品。

CBPF 无蜗壳箱式风机是过滤净化系统、管道送排通风的新一代节能型产品,它由单吸式高效后向倾斜式离心叶轮、消音箱体、低噪声风机专用电机组成。具有效率高、噪声低、结构简单、外形美观、安装维修方便等特点。

命名方式



产品型式

1. 风机进出口方向

箱式风机提供多种安装型式选择。客户可根据设计气流进出口的方向来选择风机;可根据设计的空间结构来选择驱动安装位置。标准的风机进出口方向命名图如下图 1 所示。客户要有其他方向进出风要求的,请来电话咨询。

Summary

CB series fan units are designed and developed on the basis of advanced technology from German and UK. It has the features of high efficiency, low noise, excellent performance, compact structure, easy installation and so on.

CB-F series fan units are dual-purpose fans (standard and fireproof), they can continuous operate over 0.5 hours when the flue gas temperature reaches 280 °C, these fans have been tested by the "National Fire Equipment Quality Supervision and Test Center". They are new-types for high-rise buildings for the dual-purpose ventilation.

CBPF series are cabinet fan with plug fan, which are new generation of energy-saving products for purification system and ventilation. They consist of high-efficiency backward curved blades, sound insulation cabinet, low-noise motor, and are high efficiency, low noise, simple frame, easy installation.

Nomenclature

Construction type

- T-SYT Series Fan
- D-SYD Series Fan
- Q-SYQ Series Fan
- H-SYH Series Fan

Diameter of impeller (mm)

- Standard Cabinet Fan
- Smoke Exhaust Cabinet Fan
- Cabinet Fan With Plug Fan
- Explosion-proof

Product Features

1. Rotation

Cabinet fan offers a variety of installation options. Customers can select fan according to the way air flow out and the location of the duct; and they can select the drive installation location according to the space structure designed. The nomenclatures of the standard inlet and outlet are shown in Figure 1. Please call us when you have other requirements.

CB系列风机进出口方向命名图

Inlet and outlet direction named view of CB series fan

(Fig 1) 图 1

序号 Serial number	A.水平进, 水平出 Horizontal intake, Horizontal discharge	出口管道正确接法 The correct connection of outlet duct	检修门位置 Access door location	电机驱动位置 Motor drive location
A1			注: 左右活动面板用于风机箱检修。风机运行时禁止打开。 Note: The left and right access door is for maintenance. When the fan is operating, it is strictly forbidden to open the door.	右侧 Right side
A2				右侧 Right side
A3				左侧 Left side
A4				左侧 Left side
序号 Serial number	B.水平进, 上出风 Horizontal intake, top discharge	出口管道正确接法 The correct connection of outlet duct	检修门方向 Access door location	电机驱动位置 Motor drive location
B1			注: 左右活动面板用于风机箱检修。风机运行时禁止打开。 Note: The left and right access door is for maintenance. When the fan is operating, it is strictly forbidden to open the door.	右侧 Right side
B2				右侧 Right side
B3				左侧 Left side
B4				左侧 Left side
序号 Serial number	D.上进风, 水平出 Top intake, horizontal discharge	出口管道正确接法 The correct connection of outlet duct	检修门位置 Access door location	电机驱动位置 Motor drive location
D1			注: 左右活动面板用于风机箱检修。风机运行时禁止打开。 Note: The left and right access door is for maintenance. When the fan is operating, it is strictly forbidden to open the door.	右侧 Right side
D2				右侧 Right side
D3				左侧 Left side
D4				左侧 Left side

CBF系列风机进出口方向命名图

Inlet and outlet direction named view of CBF series fan

序号 Serial number	A.水平进, 水平出 Horizontal intake, Horizontal discharge	出口管道正确接法 The correct connection of outlet duct	检修门方向 Access door location	电机驱动位置 Motor drive location
A1			注: 左右活动面板用于风机箱检修。风机运行时禁止打开。	右侧 Right side
A2			电机安装位置选择: 1. 在风机箱上方。 2. 在风机箱侧面。	右侧 Right side
A3			Note: The left and right access door is for maintenance. When the fan is operating, it is strictly forbidden to open the door. Motor location can be at:	左侧 Left side
A4			1. top of cabinet. 2. side of cabinet.	左侧 Left side
序号 Serial number	B.水平进, 上出风 Horizontal intake, top discharge	出口管道正确接法 The correct connection of outlet duct	检修门方向 Access door location	电机驱动位置 motor drive location
B1			注: 左右活动面板用于风机箱检修。风机运行时禁止打开。	右侧 Right side
B2			电机安装位置选择: 1. 在风机箱侧面。 2. 在风机箱后面。	右侧 Right side
B3			Note: The left and right access door is for maintenance. When the fan is operating, it is strictly forbidden to open the door. Motor location can be at:	左侧 Left side
B4			1. side of cabinet. 2. rear of cabinet.	左侧 Left side
序号 Serial number	D.上进风, 水平出 Top intake, horizontal discharge	出口管道正确接法 The correct connection of outlet duct	检修门方向 Access door location	电机驱动位置 Motor drive location
D1			注: 左右活动面板用于风机箱检修。风机运行时禁止打开。	右侧 Right side
D2			电机安装位置选择: 1. 在风机箱侧面。 2. 在风机箱前面。	右侧 Right side
D3			Note: The left and right access door is for maintenance. When the fan is operating, it is strictly forbidden to open the door. Motor location can be at:	左侧 Left side
D4			1. side of cabinet. 2. front of cabinet.	左侧 Left side

风机配置

Fan Configuration

系列 Series	内置风机型号 Internal FanType	机号 Type	风量范围 Volume Range (m³/h)	最高全压 Total Pressure Max(Pa)	内部风机认证 Internal Fan Certification	标准配置 Standard Configuration	可选配置 Optional Configuration	安装方式 Installation Type	内置风机图 Internal Fan Diagram
CB	SYT	7in	1000	600	AMCA标识 AMCA MARK	铝合金框架 Aluminum alloy frame	● 面板厚度40mm Panel thickness 40mm	吊装、座装 Ceiling installation & Floor installation	
		18in	20000			离心风机 Centrifugal fan	● FYH / NSK / SKF轴承 FYH / NSK / SKF bearing		
	SYD	180	1000	1200	中国能效 认证标识 China's energy efficiency Certification mark	面板厚度25mm Panel thickness 25mm	● ABB/西门子电机 ABB / Siemens motor		
		1000	80000			Peer轴承 Peer bearing	● 风机防爆功能 Fan explosion-proof function		
	SYQ	200	1000	2000		三星皮带 Mitsuboshi belt	● 吊装减振器 Lifting damper		
1400	80000	威欧特皮带轮 Woltt pulley	● 防雨弯头 Rainproof elbow						
SYH	280	3000	2600		东元/金龙电机 TECO / Jinlong motor	● 初效过滤器 Coarse efficiency filter			
1400	160000	座装减振器 Seat mounted shock absorber	● 中效过滤器 Medium efficiency filter						
CBF	SYD	180	1000	1200	AMCA标识 AMCA MARK	铝合金框架 Aluminum alloy frame	● FYH / NSK / SKF轴承 FYH / NSK / SKF bearing	吊装、座装 Ceiling installation & Floor installation	
		1000	80000			离心风机 Centrifugal fan	● Optibelt皮带 Optibelt belt		
	SYQ	200	1000	2000		面板厚度25mm Panel thickness 25mm	● ABB/西门子电机 ABB / Siemens motor		
1000	80000	Peer轴承 Peer bearing	● 皮带轮罩 The belt wheel cover						
SYH	200	1000	2600		三星皮带 Mitsuboshi belt	● 电机防雨罩 Motor rainproof cover			
1400	160000	威欧特皮带轮 Woltt pulley	● 座装减振器 Seat mounted shock absorber						
CBPF	SYW	200	1000	1200	AMCA标识 AMCA MARK	铝合金框架 Aluminum alloy frame	● 面板厚度40mm Panel thickness 40mm	吊装、座装 Ceiling installation & Floor installation	
		1000	60000			离心风机 Centrifugal fan	● ABB/西门子电机 ABB / Siemens motor		
CBPF (P)	SYWP	200	1000	1200	中国能效 认证标识 China's energy efficiency Certification mark	面板厚度25mm Panel thickness 25mm	● 座装减振器 Seat mounted shock absorber	吊装、座装 Ceiling installation & Floor installation	
		1000	60000			东元/金龙电机 TECO / Jinlong motor	● 风机防爆功能 Fans explosion-proof function		
						铝合金框架 Aluminum alloy frame	● 面板厚度40mm Panel thickness 40mm		
						离心风机 Centrifugal fan	● ABB/西门子电机 ABB / Siemens motor		
						面板厚度25mm Panel thickness 25mm	● 座装减振器 Seat mounted shock absorber		
						金龙电机 Jinlong motor	● 风机防爆功能 Fans explosion-proof function		
							● 吊装减振器 Lifting damper		

箱式风机系列

产品结构

CB/CBF 箱式风机系列主要由离心风机、箱体面板、箱体框架、减振器、电机、箱体底座、进出口法兰等组成。过滤器、防火阀、调节阀等为可选配件。

1. 离心风机

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。风机部通过了 AMCA 国际认证并取得 AMCA 印章,风量范围从 1000 m³/h ~ 160000 m³/h,全压从 200Pa ~ 2600 Pa。风机整机内控动平衡精度达国际标准 DIN/ISO 1940 及 AMCA 204-05 G2.5 级。

2. 箱体面板

面板采用 30% 穿孔率的消音孔板,30mm 防火耐腐蚀的玻璃纤维棉,50 Kg/m³ 密度的聚氨酯夹芯板制作,厚度达到 40mm,降噪隔音效果在 20 dB 以上。面板板材选用符合欧洲 ROHS 标准的宝钢无锌花镀锌钢板,锌层厚度达 180 g/m²,比普通钢板多 60 克锌层,板材耐腐蚀性强,盐雾试验达到 500 小时以上。加工过程采用覆膜保护,避免加工过程中可能产生的划痕,外观亮丽。箱式风机,将风机装置在箱体内部,箱体面板一般由单层钢板或三层发泡板或消音棉板制成;如表 1。高档箱式风机的箱体由五层消音棉板制成。如图 2。

图 2 (Fig 2)

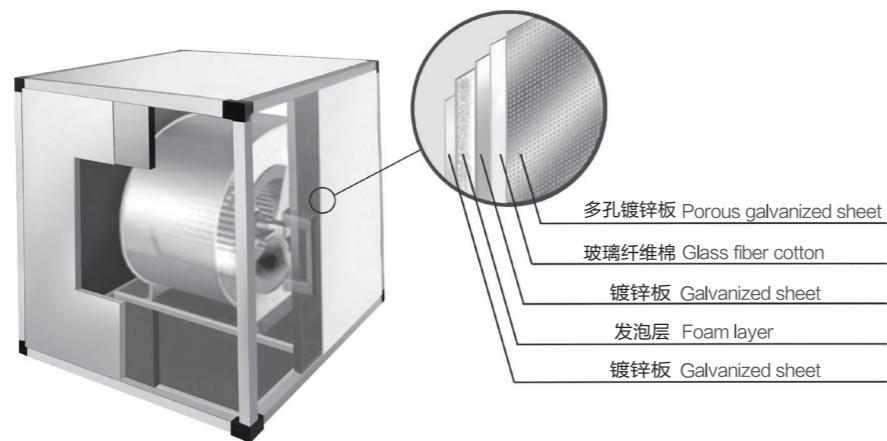


表 1 (Table 1)

箱体板材 Cabinet plank	板厚 Plate thickness	消声隔音效果 (dB) Silencing effects (dB)
单层钢板 Single-layer steel plate	0.5-2 mm	5-10
钢板+发泡层+钢板 Steel plate+foam layer +steel plate	16-30 mm	9-15
钢板+玻璃纤维棉+孔板 Steel plate+fiberglass+porous sheet	16-30 mm	12-18
钢板+发泡层+玻璃纤维+孔板+钢板 Steel plate+foam layer+fiberglass +porous sheet+steel plate	30-50 mm	16-25

注: 本数据经 GB/T 2888-2008 标准测试, 不同材质, 不同结构, 不同厚度测试结果不同。
Note: This data is tested according to GB / T 2888-2008 standard, different materials, different structure, different thickness have different test results.

Construction

CB/CBF series cabinet fans are mainly constructed of Centrifugal fan, cabinet frame, cabinet panel, vibration isolator, cabinet base motor, inlet and outlet flange and other accessories. Filter, fire resisting damper, control valve and so on are optional accessories.

1. Centrifugal Fan

These Series of centrifugal air conditioning fans were developed with advanced technologies. They are licensed to bear the AMCA Seal for performance, sound, and energy efficiency. The SYD Series includes 15 models as described in this catalogue. The air volume of the SYD Series ranges from 1,000 m³/h to 160,000m³/h, the total pressure ranges from 200Pa to 2,600Pa. All fans are balanced to G2.5 of the DIN/ISO 1940 Standard and the ANSI/AMCA 204-05 Notional Standard.

2. Cabinet Panel

The panel is consist of 30% percentage of perforation of the silencer plate, 30mm fire resistant glass fiber cotton, 50 Kg/m³ density, 40mm thickness polyurethane panel, it can reduce noise and insulate sound over 20 dB. Panel board used in line with the European ROHS standard Baosteel no spangle galvanized steel, zinc layer thickness can reaches 180 g/m², 60 grams more than ordinary zinc coating steel plate, high corrosion resistance, salt spray test is over 500 hours. The panel is covered by plastic film during process to prevent panel from scratching, and make it's beautiful appearance. There is the fan in the cabinets, cabinet panels keep generally consist of single steel plate or three-plates of foamable plate or abatvoix; as shown in Table 1. Upmarket cabinet fan is made of five abatvoixes. As shown in Figure 2.

3. 箱体框架

采用铝合金榫卯结构设计, 框架采用国内先进的金属冷弯成形机组一次拉伸而成, 优质铝合金边框和中间条所组成的箱体框架, 使整个箱体稳固稳定, 美观大气。

4. 减振器

根据风机转速标配橡胶减振器和弹簧减振器。减振器根据现场要求可选配悬挂式弹簧减振器。

5. 电机

亿利达风机标配使用全封闭三相鼠笼式电机, 符合 IEC 和 EN 标准。标准电机的绝缘等级为 F 级, 防护等级为 IP54 以上。使用环境温度范围为 -20℃ ~ +40℃, 其它的运行条件见要求。

3. Cabinet Frame

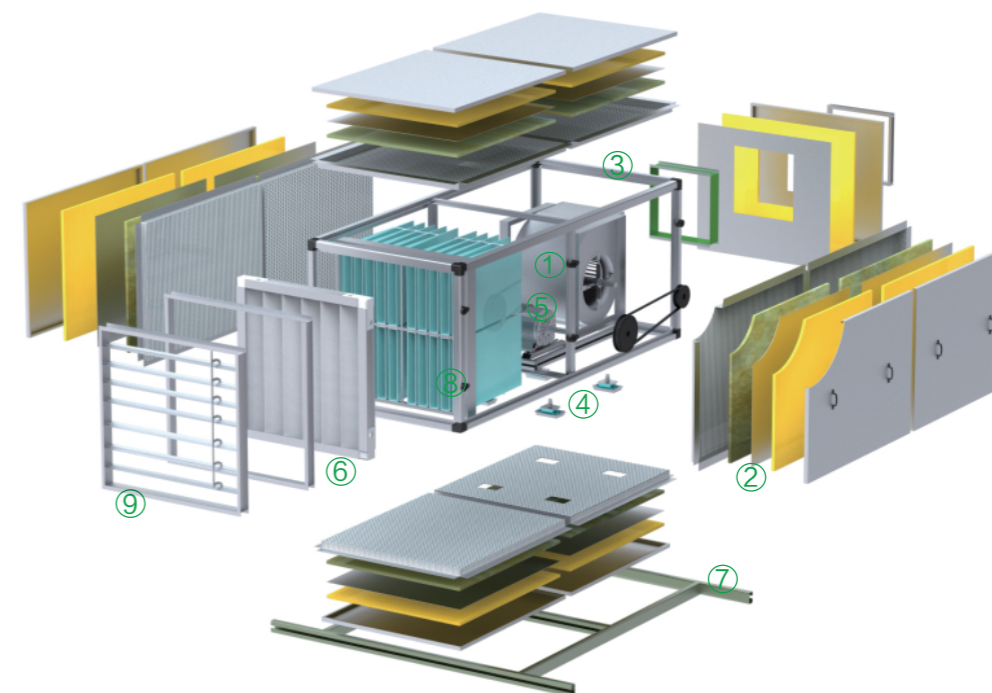
The aluminium alloy frame is joint structure, using advanced cold forming by one time, high-quality aluminum alloy frame and the middle of the composition of the cabinet frame make the whole cabinet strong, stable and beautiful.

4. Isolator

According to the speed of the fan to equip rubber and spring absorber. According to the site requires, it can choose hanging spring absorber.

5. Motor

Yilida uses as standard closed squirrel cage motors rated to IEC and EN. The standard motors have class F, enclosure over IP54. Ambient temperature ranges from -20 °C to 40 °C, the other operating conditions on demand.



6. 进出风口法兰

法兰采用热镀锌钢板折弯, TOX 或点焊连接固定; 外观精美, 并具有足够的刚度与强度。CB 系列风机通过软连接连接风机出风口和法兰。CBF 系列风机通过镀锌板硬连接风机出风口和法兰。

7. 箱体底座

箱体底座和风机底座均采用优质槽钢或角钢焊接而成, 表面喷塑处理。结构强度高, 耐腐蚀性能好。

8. 过滤器

常用过滤器分活性炭, 初、中、高效过滤器, 同时有化学和组合式过滤器应用于特殊环境。对此方面有要求的客户可来电咨询。

活性炭过滤器: 表面吸附能力强, 能有效去除气味, 适用于各种空调通风系统, 在空调通风系统中央处理气味及空气污染效果特佳, 能有效洁净空气。

初效过滤器: 常为人造纤维滤材制成。阻力小, 风量大, 使用寿命长。

中效过滤器: 由人造纤维滤材制成。多种效率可供选择, 包括 40-45%, 60-65%, 80-85%, 90-95%; 阻力低、风量大、容尘量高。

高效过滤器: 适用于常温、常湿, 允许含有微量酸、碱有机溶剂的空气过滤, 该产品效率高, 阻力低, 容尘量大。

9. 防火阀 / 调节阀

防火阀一般由镀锌板制成, 当管道内气流达到特定温度时, 防火阀自动关闭。

调节阀一般由镀锌板或不锈钢制成配合风管形状尺寸。手动或自动调节风量大小或进出风的方向。

6. Flange

The flange is made of galvanized steel. The connections of the flange components to the scroll are made using TOX non-welding process or spot welding. This maintains a good flange appearance while also providing sufficient strength and rigidity. CB series fans: the outlet is fixed on flange with flexible connection; CBF series fans: use galvanized steel sheet rigid connection.

7. Cabinet Base

Cabinet base and fan base are all of high quality channel or angle iron welded together with surface spraying. They are high strength and corrosion resistance.

8. Filter

Usually we have activated carbon filter, coarse, medium and high efficiency filters, while chemical and combined filters used in special circumstances. If has requirement, please call us.

Activated carbon filter: high surface adsorption capacity, effectively removing the odor, suitable for all kinds of air conditioning and ventilation systems, in the central processing, it can effectively clean the air.

Coarse efficiency filter: it's often made of synthetic fibers. Low resistance, high air volume, long service life.

Middle efficiency filter: it's made of artificial fiber. There are a variety of efficient options, including 40-45 %, 60-65 %, 80-85 %, 90-95 %; low resistance, high air volume, high dust holding capacity.

High efficiency filter: Suitable for air filtrating in normal temperature, normal humidity, trace acid, alkali organic solvents, it's high efficiency, low resistance, large dust capacity.

9. Fire Damper/volume damper

Fire dampers are generally made of galvanized sheet, when the tube airflow reaches a certain temperature, the dampers automatically close.

Volume damper are usually made of galvanized sheet or stainless steel with duct shape and size. Manually or automatically regulate airflow or air direction.

风机性能

1. 箱式风机性能区域

箱式风机风量范围从 1,000 m³/h-160,000 m³/h, 全压高达 2,600 Pa, 基本满足了目前楼宇通风、消防排烟、空气净化等需求。客户选择风机优先考虑性能、噪声、功耗等参数; 再从产品特点, 电机的安装方式及其他附加条件着手。

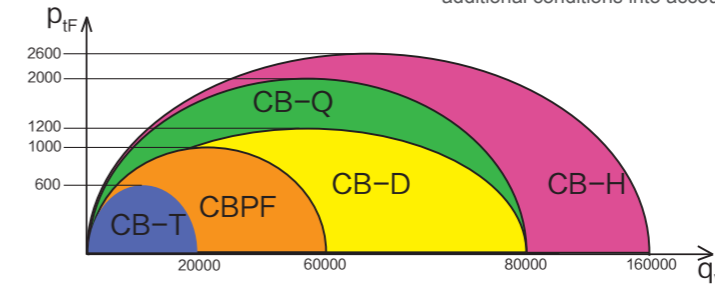


图 2 风机性能范围示意图 (Fig 2) Fan Performance Region

Performance Chart

1. Fan Performance Region

Cabinet fan air volume ranges from 1,000 m³/h to 160,000 m³/h, total pressure can reach 2,600 Pa, basically meet the current building ventilation, fire-proof, smoke evacuation, and air purification. When customers choose the fan, firstly consider the fan performance, noise, power consumption and other parameters; then take the product characteristics, the motor installation and other additional conditions into account.

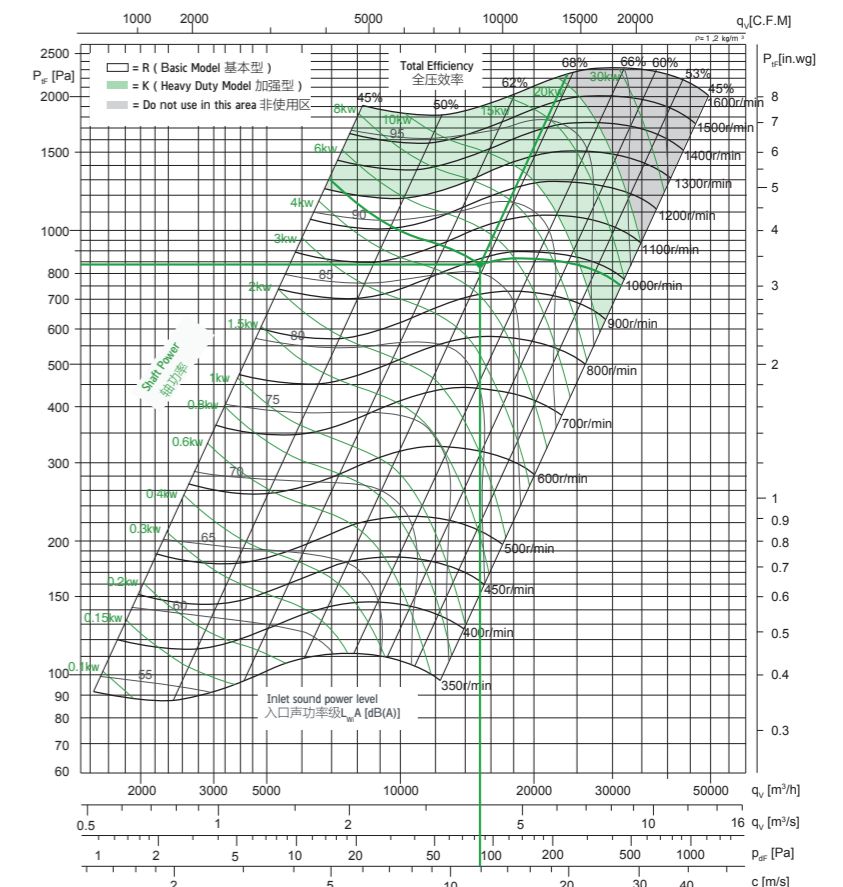
2. 风机选型示意图例

箱式风机选型需要注意: 内部风机加箱体之后, 整机将存在一些阻力。根据我们的经验: 当要求风量 ≤ 5000 m³/h 时, 将压力加 50Pa 进行选型。当要求风量 > 5000 m³/h 时, 将压力加 80 Pa 进行选择。

2. Fan Performance Curve

Cabinet fan selection note: after install the cabinet, the overall unit there will be some resistance. According to our experience: the pressure should be added 50 Pa, when the airflow is less than 5,000 m³/h (q_v ≤ 5000 m³/h); The pressure should be added 80Pa When the airflow is over 5,000 m³/h (q_v > 5000 m³/h).

型号 Type	CB500D
风量 Volume	q _v = 15700 m ³ /h
全压 Total Pressure	P _{Tf} = 839 Pa
动压 Dynamic Pressure	P _{st} = 109 Pa
出口速度 Outlet Velocity	c = 13.5 m/s
风机转速 Fan Speed	n = 980 r/min
轴功率 Shaft Power	P _{sh} = 5.34 KW
A声功率级 A Sound Power Level	L _{WA} = 86 dB(A)
全压效率 Total Efficiency	η _{Tf} = 66.7 %



2. 噪声频谱

Relative A sound power level for one meters from the cabinet $L_{w(m)}$ (A) at octave centre frequencies

箱体外侧1米处噪声八倍频谱A声功率级衰减值 $L_{w(m)}$ (A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-36	-29	-29	-26	-26	-28	-33	-38	dB
50	-36	-29	-29	-26	-27	-28	-32	-37	dB
62	-39	-29	-30	-26	-27	-28	-30	-37	dB
68	-46	-35	-33	-24	-27	-27	-29	-36	dB
66	-47	-36	-34	-24	-27	-27	-29	-36	dB
60	-49	-37	-35	-25	-27	-26	-29	-36	dB
53	-51	-38	-36	-26	-26	-26	-28	-35	dB

由选型数据可得：该点的全压效率为 66.7%，入口声功率级为 86dB(A)。通过查阅上表可得该风机箱体外侧 1 米处噪声八倍频谱 A 声功率级为：

63	125	250	500	1000	2000	4000	8000	Hz
40	51	53	62	59	59	57	50	dB

同时可得：出口声功率级为 86dB(A)。通过查阅上表可得该风机工况点出口侧噪声八倍频谱 A 声功率级为：

63	125	250	500	1000	2000	4000	8000	Hz
69	77	74	81	78	78	76	69	dB

上述数据为客户选择的风机配消声器所用。

3. 电机的选配

性能曲线图上的功率 P_{sh} 是指风机的轴功率。

配套电机的功率： $P_{shp} = P_{sh} \times K \div \eta_{me}$

风机传动效率的取值方法可参照表 2，

电机容量安全系数的取值方法可参照表 3。

表 2 (Table 2)

风机传动方式	Drive Type	η_{me}
电机直联传动	Motor Direct Driven	1
联轴器直联传动	Coupling Direct Driven	0.98
三角皮带传动	V-Blet Driven	0.95

表 3 (Table 3)

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

2. Noise Spectrum

Relative A sound power level for outlet side $L_{w(o)}$ (A) at octave centre frequencies

风机出口侧噪声八倍频谱A声功率级衰减值 $L_{w(o)}$ (A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-11	-7	-9	-7	-7	-9	-14	-19	dB
50	-10	-7	-9	-7	-8	-9	-13	-18	dB
62	-13	-7	-10	-6	-8	-9	-11	-18	dB
68	-17	-9	-12	-5	-8	-8	-10	-17	dB
66	-18	-10	-12	-5	-8	-8	-10	-17	dB
60	-20	-11	-14	-5	-7	-6	-9	-16	dB
53	-22	-12	-14	-6	-7	-6	-9	-16	dB

From the selection, the total efficiency of the fan is 66.7% at the operating point, the inlet sound power level of the fan is 86dB(A). From the noise spectrum chart for the inlet side, the octave bands of A-weighted sound power level for one meters from the cabinet can be obtained:

Also, the outlet sound power level of the fan is 86dB(A). From the noise spectrum chart for the outlet side, the octave bands of A-weighted sound power level at the outlet side can be obtained:

Customers can use the above sound data to select the silencer.

3. Motor selection

The power (P_{sh}) on the performance chart refers to the shaft power of the fan.

The rated power of the motor: $P_{shp} = P_{sh} \times K \div \eta_{me}$

The value of mechanical drive efficiency can be obtained from Table 2.

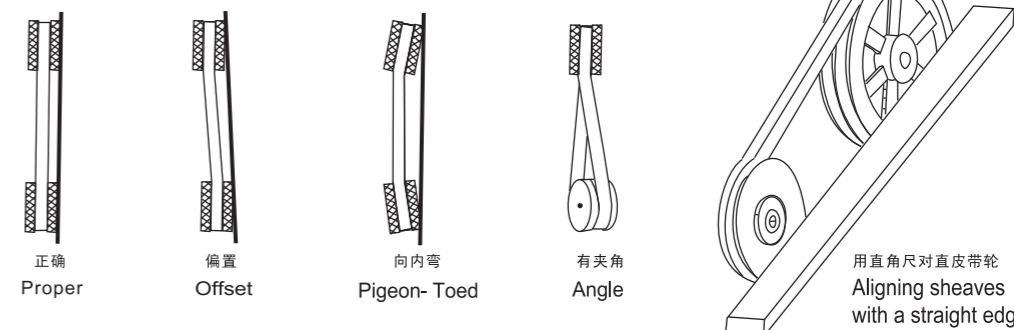
The motor safety factors is provided in Table 3.

安装与维护

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 $0.75(d1+d2) < a < 2(d1+d2)$ ，前向风机皮带速度应控制在 10~15 m/s；后向风机皮带速度应控制在 25~35 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；
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)



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 4。

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。

Installation and Maintenance

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 $0.75(d1+d2) < a < 2(d1+d2)$. The belt speed of forward curve fan should be more than 10m/s, but less than 15m/s, ($10 < v < 15$ m/s). The belt speed of backward curve fan should be more 25 m/s, but less than 35 m/s ($25 < v < 35$ 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. 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) 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 4. 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.

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.

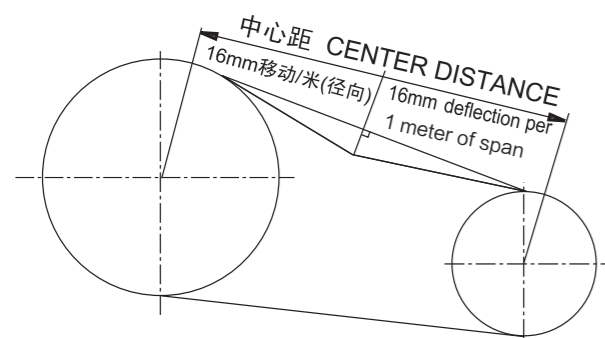


图 4 (Fig4)

C) 轴承润滑

亿利达风机不带座轴承有支架减振套橡胶圈，轴承已预先润滑，不必加润滑脂。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像是新的，则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。

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 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	80-132	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 4(Table4)

C) Bearing Lubrication

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 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 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。若需配套其他电机、减振器、过滤器、防火阀、防雨弯头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) 检查箱体、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，确认无这些现象后方可进行试转。
- 7) 风机配用电机功率是指在特定工况下，风机轴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 $150\text{mg}/\text{m}^3$ 的气体、<math>20^\circ\text{C}< \text{温度}< 40^\circ\text{C}</math> 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 shalf, impeller and bearings. If there is an indication of any damage, the damaged parts should be repaired or repaired before the fan is installed or commissioned.
- 3) The inside of the housing 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 impeller 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 impeller 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-toxics and non-erosive and where dust particles are less than $150\text{mg}/\text{m}^3$ with a temperature between -20°C and 40°C . Special care should be taken during transportation, load and unload.

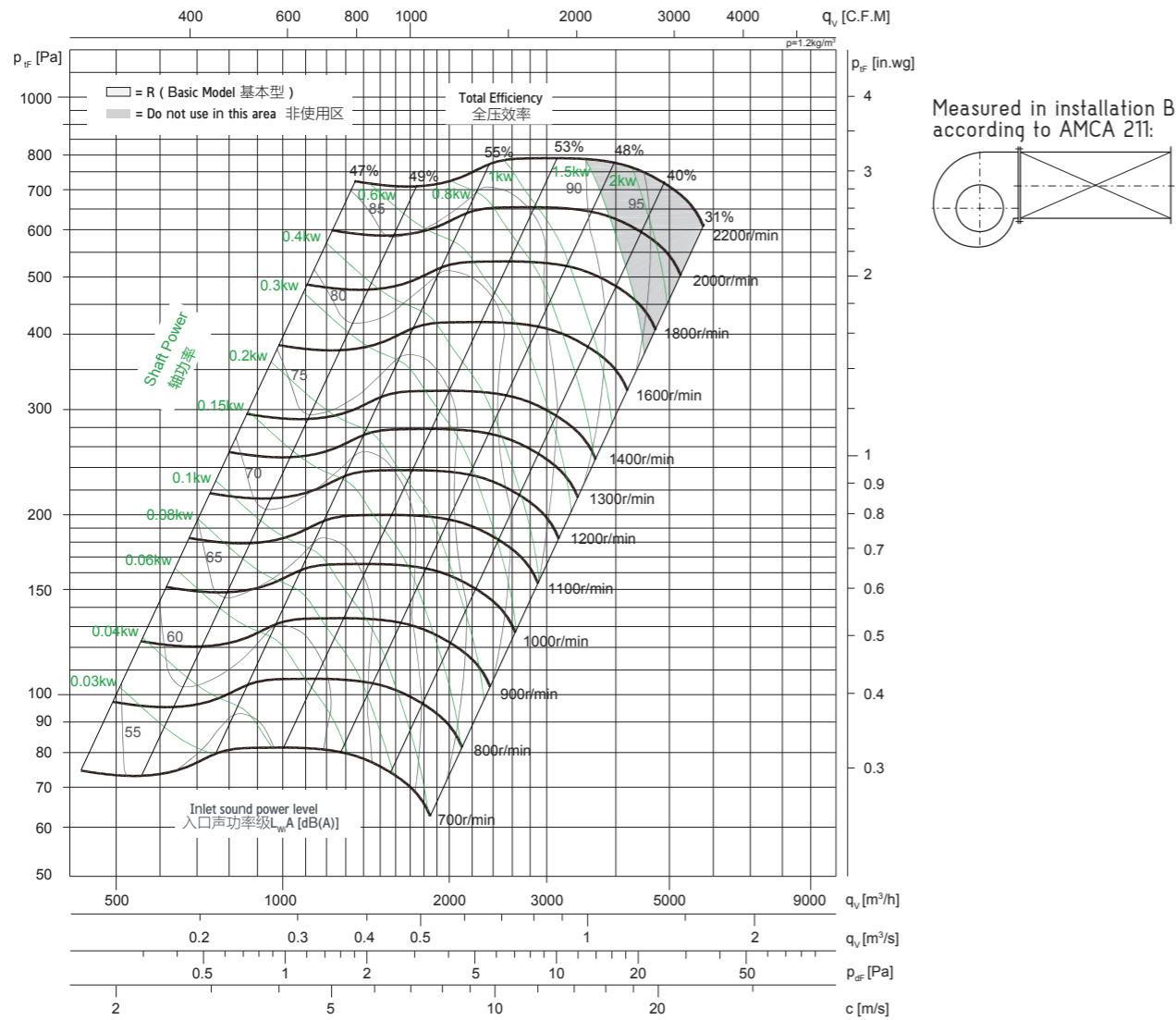
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 7 inch	Fan weight 风机质量	m = 35 kg
Moment of inertia 转动惯量	J = 0.009 kg·m ²	Speed limit 极限转速	n _{max} = 2200 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and 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.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wA})。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm(A)} at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm(A)}

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
47	-40	-30	-27	-25	-26	-29	-33	-39	dB
49	-45	-33	-29	-26	-25	-28	-30	-37	dB
55	-43	-31	-28	-27	-26	-29	-31	-38	dB
53	-47	-34	-30	-26	-25	-28	-29	-36	dB
48	-51	-37	-32	-26	-25	-28	-28	-34	dB
40	-54	-40	-35	-26	-25	-28	-28	-33	dB
31	-56	-41	-36	-27	-25	-28	-48	-13	dB

Relative A sound power level for outlet side L_{w0(A)} at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0(A)}

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
47	-15	-8	-7	-6	-7	-10	-14	-20	dB
49	-19	-11	-8	-6	-6	-9	-11	-17	dB
55	-18	-10	-7	-7	-6	-9	-11	-18	dB
53	-19	-10	-7	-7	-6	-9	-11	-17	dB
48	-23	-13	-9	-6	-5	-9	-9	-15	dB
40	-24	-14	-11	-6	-5	-8	-8	-14	dB
31	-25	-14	-11	-6	-5	-8	-8	-13	dB

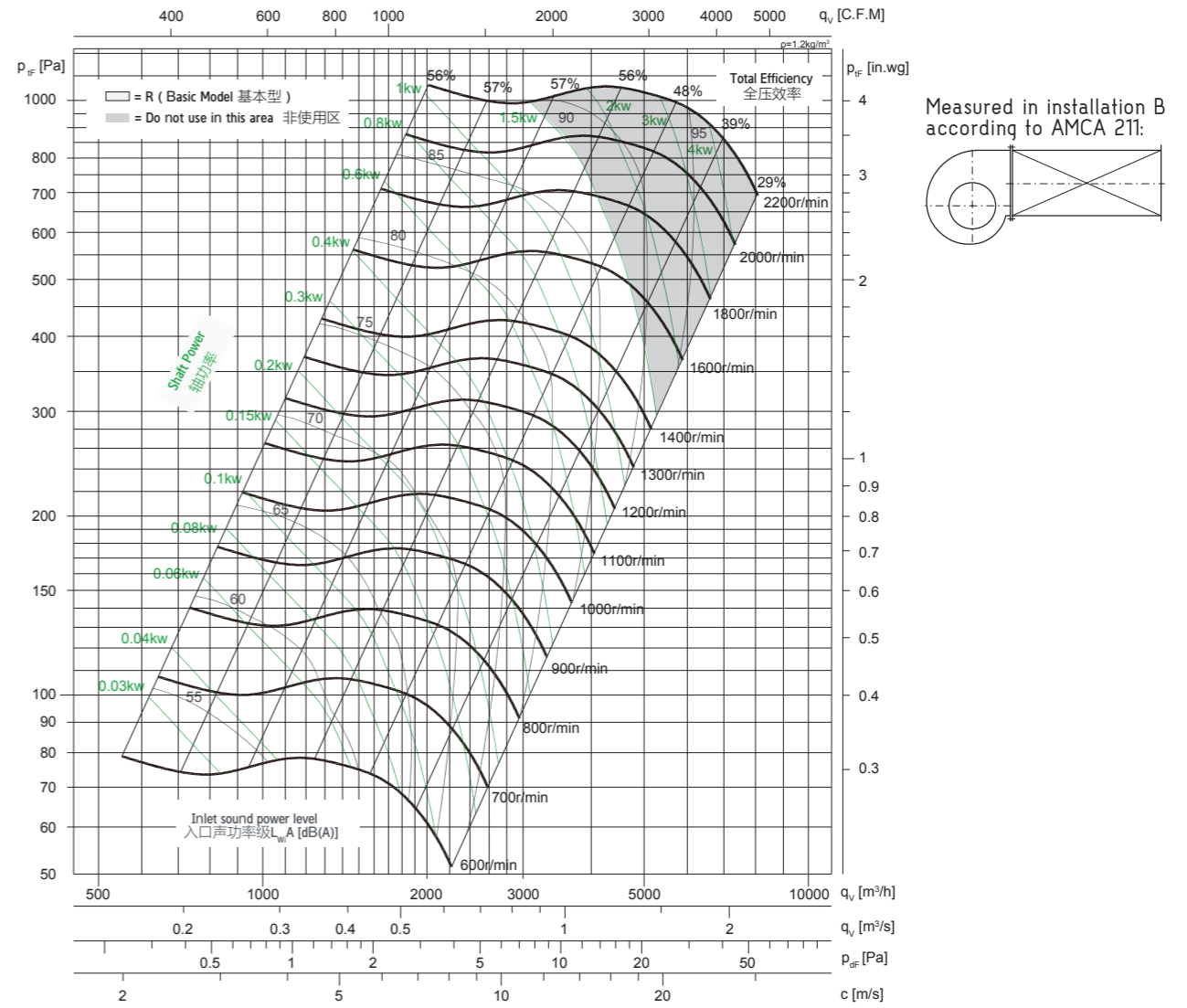
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 8 inch	Fan weight 风机质量(不含电机)	m = 40 kg
Moment of inertia 转动惯量	J = 0.015 kg·m ²	Speed limit 极限转速	n _{max} = 2200 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and 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.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wA})。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm(A)} at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm(A)}

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
56	-42	-31	-26	-28	-27	-29	-30	-37	dB
57	-42	-33	-27	-28	-26	-27	-28	-35	dB
57	-43	-36	-30	-28	-26	-26	-27	-33	dB
56	-44	-36	-30	-29	-26	-26	-27	-32	dB
48	-45	-37	-31	-29	-26	-26	-26	-32	dB
39	-48	-38	-32	-30	-27	-27	-25	-30	dB
29	-50	-39	-33	-30	-27	-27	-25	-29	dB

Relative A sound power level for outlet side L_{w0(A)} at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0(A)}

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
56	-17	-9	-6	-8	-7	-9	-10	-17	dB
57	-16	-11	-7	-8	-7	-8	-9	-16	dB
57	-16	-12	-8	-9	-7	-7	-8	-14	dB
56	-16	-12	-7	-9	-7	-7	-8	-14	dB
48	-17	-12	-7	-9	-7	-7	-7	-13	dB
39	-19	-13	-9	-10	-7	-8	-6	-11	dB
29	-20	-13	-10	-10	-8	-8	-5	-10	dB

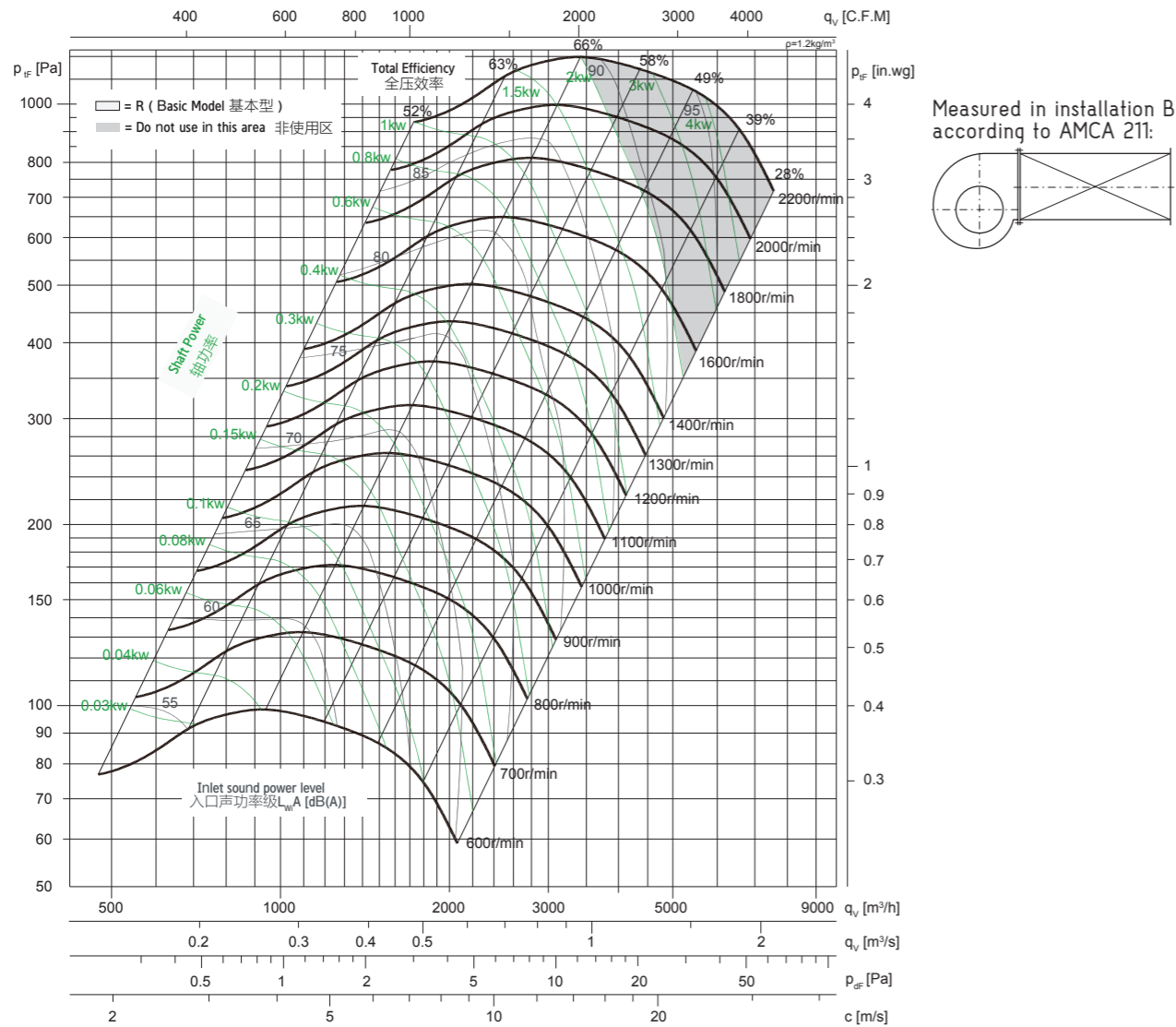
箱式风机系列

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 9 inch	Fan weight 风机质量(不含电机)	m = 42 kg
Moment of inertia 转动惯量	J = 0.029 kg·m ²	Speed limit 极限转速	n _{max} = 2200 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
52	-46	-34	-27	-26	-27	-29	-30	-37	dB
63	-50	-38	-30	-27	-26	-27	-28	-35	dB
66	-51	-39	-31	-27	-26	-26	-27	-33	dB
58	-50	-37	-32	-29	-26	-26	-27	-32	dB
49	-50	-37	-32	-30	-26	-26	-26	-32	dB
39	-50	-38	-32	-30	-27	-27	-25	-30	dB
28	-51	-40	-31	-32	-27	-27	-25	-29	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

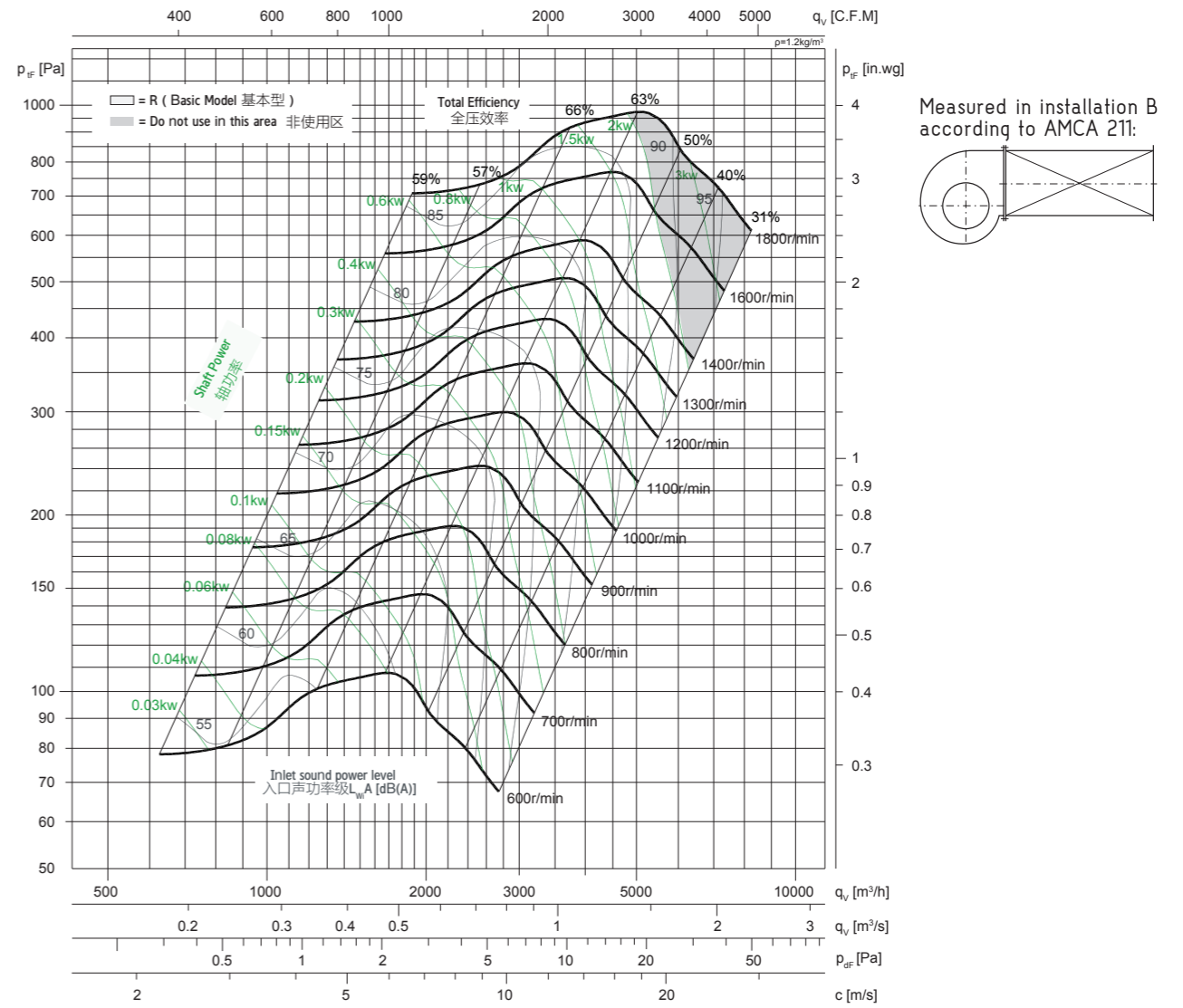
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
52	-21	-11	-6	-6	-6	-9	-12	-19	dB
63	-21	-14	-8	-7	-6	-8	-8	-13	dB
66	-22	-14	-8	-8	-6	-8	-8	-13	dB
58	-21	-12	-8	-8	-6	-8	-8	-13	dB
49	-21	-12	-8	-9	-6	-7	-7	-13	dB
39	-21	-13	-8	-10	-7	-7	-6	-11	dB
28	-21	-14	-8	-11	-8	-8	-6	-10	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 9 inch	Fan weight 风机质量(不含电机)	m = 45 kg
Moment of inertia 转动惯量	J = 0.034 kg·m ²	Speed limit 极限转速	n _{max} = 1800 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
59	-36	-29	-37	-26	-27	-31	-34	-34	dB
57	-39	-31	-37	-25	-26	-29	-32	-37	dB
66	-41	-32	-39	-27	-26	-28	-29	-35	dB
63	-44	-35	-32	-29	-26	-27	-26	-33	dB
50	-46	-39	-32	-30	-26	-26	-26	-31	dB
40	-47	-41	-33	-30	-26	-26	-25	-30	dB
31	-49	-46	-34	-32	-27	-26	-25	-29	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

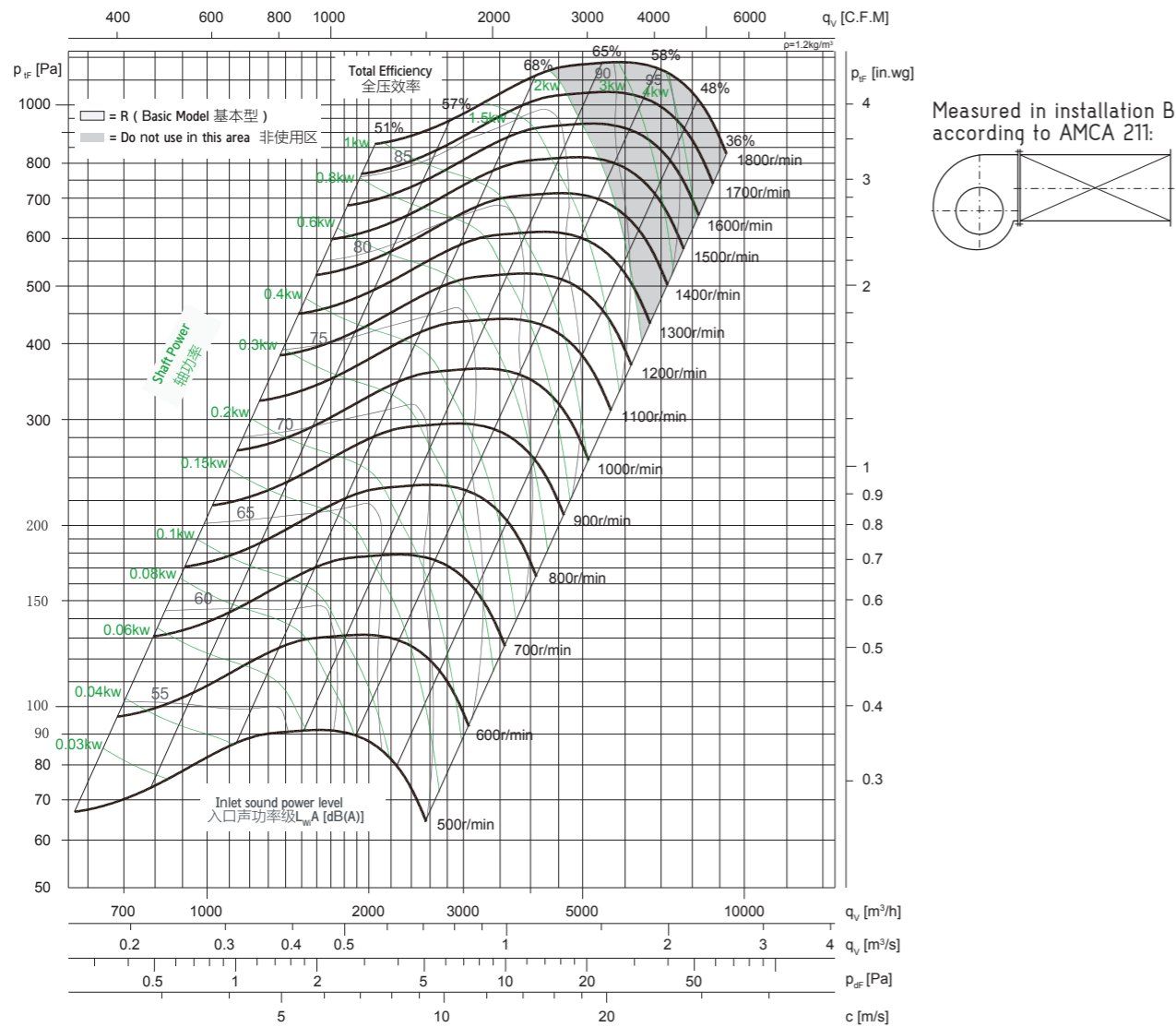
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
59	-13	-8	-7	-6	-7	-12	-15	-15	dB
57	-15	-9	-7	-6	-7	-10	-13	-18	dB
66	-15	-9	-8	-7	-6	-8	-10	-16	dB
63	-16	-11	-9	-8	-6	-8	-8	-15	dB
50	-17	-13	-9	-9	-7	-7	-7	-13	dB
40	-18	-15	-9	-10	-7	-7	-6	-11	dB
31	-18	-18	-10	-11	-7	-7	-6	-9	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 10 inch	Fan weight 风机质量(不含电机)	m = 46 kg
Moment of inertia 转动惯量	J = 0.047 kg·m ²	Speed limit 极限转速	n _{max} = 1800 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
51	-47	-30	-27	-26	-26	-29	-32	-40	dB
57	-47	-30	-27	-26	-26	-29	-33	-41	dB
68	-49	-31	-31	-28	-25	-28	-29	-36	dB
65	-50	-31	-32	-29	-25	-28	-28	-35	dB
58	-54	-36	-34	-31	-25	-26	-26	-32	dB
48	-56	-38	-34	-32	-26	-26	-26	-32	dB
36	-58	-41	-34	-32	-26	-26	-25	-31	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

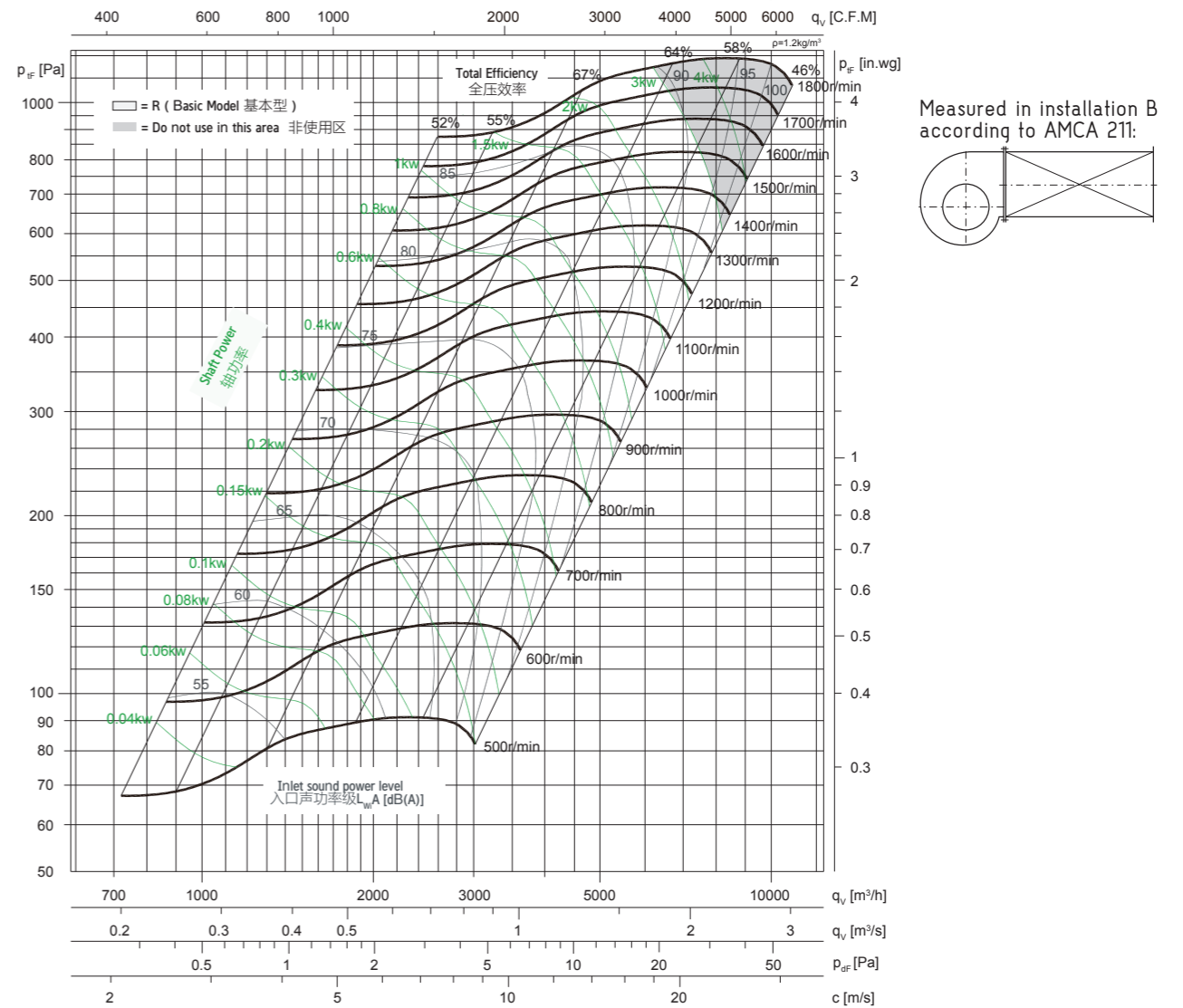
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
51	-24	-9	-7	-6	-6	-9	-12	-20	dB
57	-23	-8	-6	-6	-7	-10	-13	-21	dB
68	-23	-8	-10	-8	-5	-8	-9	-16	dB
65	-23	-7	-9	-9	-6	-9	-9	-16	dB
58	-25	-10	-10	-11	-6	-7	-7	-13	dB
48	-27	-11	-10	-11	-6	-7	-6	-12	dB
36	-27	-14	-10	-11	-6	-7	-6	-12	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 10 inch	Fan weight 风机质量(不含电机)	m = 50 kg
Moment of inertia 转动惯量	J = 0.055 kg·m ²	Speed limit 极限转速	n _{max} = 1800 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
52	-44	-32	-27	-25	-26	-28	-31	-38	dB
55	-43	-31	-26	-25	-27	-29	-31	-40	dB
67	-47	-35	-30	-27	-25	-7	-28	-34	dB
64	-51	-38	-33	-29	-25	-26	-27	-33	dB
58	-55	-42	-36	-31	-26	-25	-26	-32	dB
46	-64	-51	-43	-37	-29	-26	-25	-31	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
52	-20	-10	-7	-6	-7	-9	-12	-19	dB
55	-18	-9	-6	-6	-8	-10	-13	-20	dB
67	-20	-10	-9	-7	-5	-8	-10	-16	dB
64	-23	-12	-10	-8	-5	-7	-8	-14	dB
58	-26	-14	-12	-11	-5	-6	-7	-13	dB
46	-34	-23	-19	-16	-6	-4	-5	-12	dB

箱式风机系列

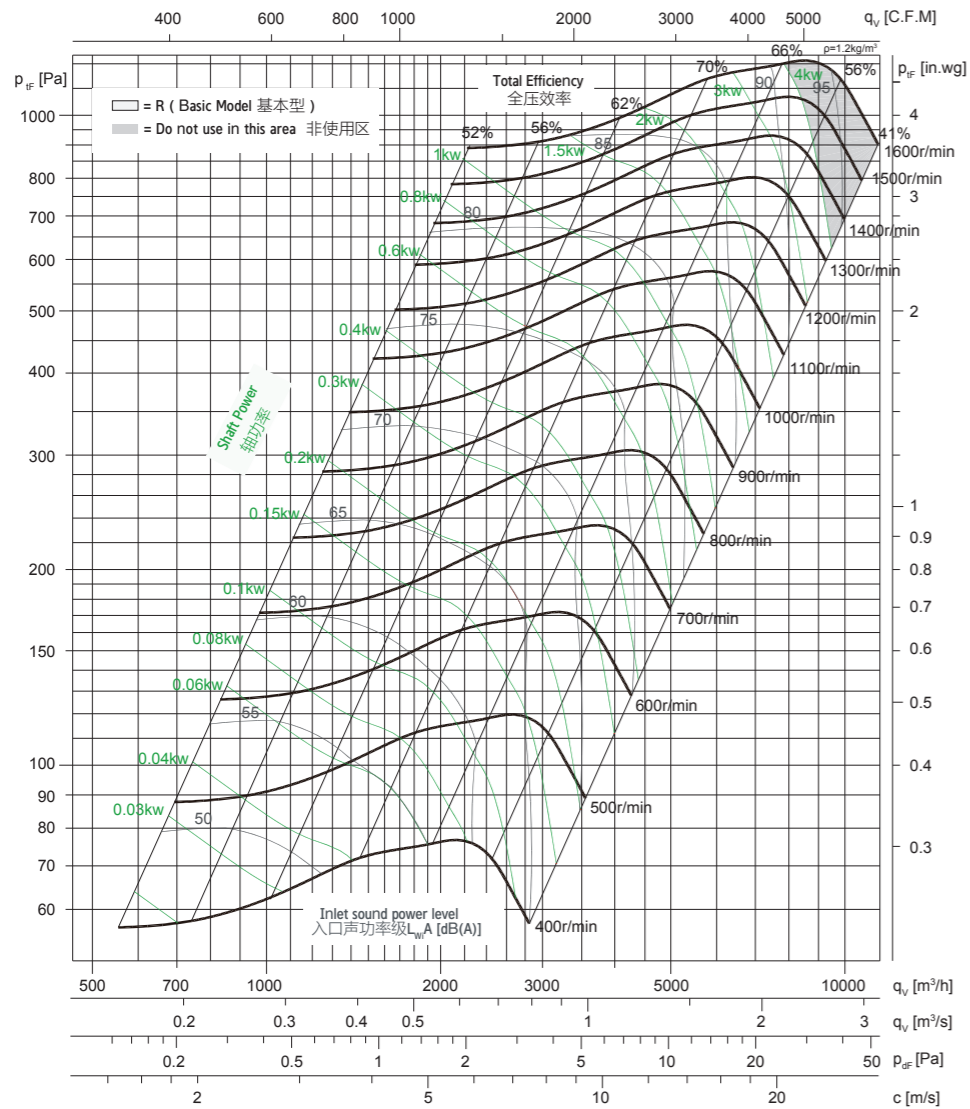
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 12 inch	Fan weight 风机质量(不含电机)	m = 85 kg
Moment of inertia 转动惯量	J = 0.097 kg·m ²	Speed limit 极限转速	n _{max} = 1600 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}, A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}, A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
52	-40	-30	-28	-26	-26	-28	-31	-38	dB
56	-45	-32	-30	-27	-25	-27	-29	-37	dB
62	-49	-34	-31	-28	-25	-27	-28	-37	dB
70	-52	-36	-33	-28	-25	-27	-28	-35	dB
66	-55	-39	-35	-29	-24	-26	-27	-33	dB
56	-51	-39	-35	-30	-25	-26	-27	-32	dB
41	-48	-39	-35	-31	-25	-26	-27	-32	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
52	-16	-8	-8	-6	-7	-9	-12	-19	dB
56	-19	-9	-9	-7	-6	-8	-10	-18	dB
62	-22	-11	-10	-8	-5	-7	-8	-17	dB
70	-24	-11	-9	-8	-5	-8	-9	-16	dB
66	-26	-13	-11	-9	-5	-7	-8	-15	dB
56	-22	-12	-11	-10	-5	-7	-8	-13	dB
41	-18	-13	-12	-10	-5	-7	-8	-13	dB

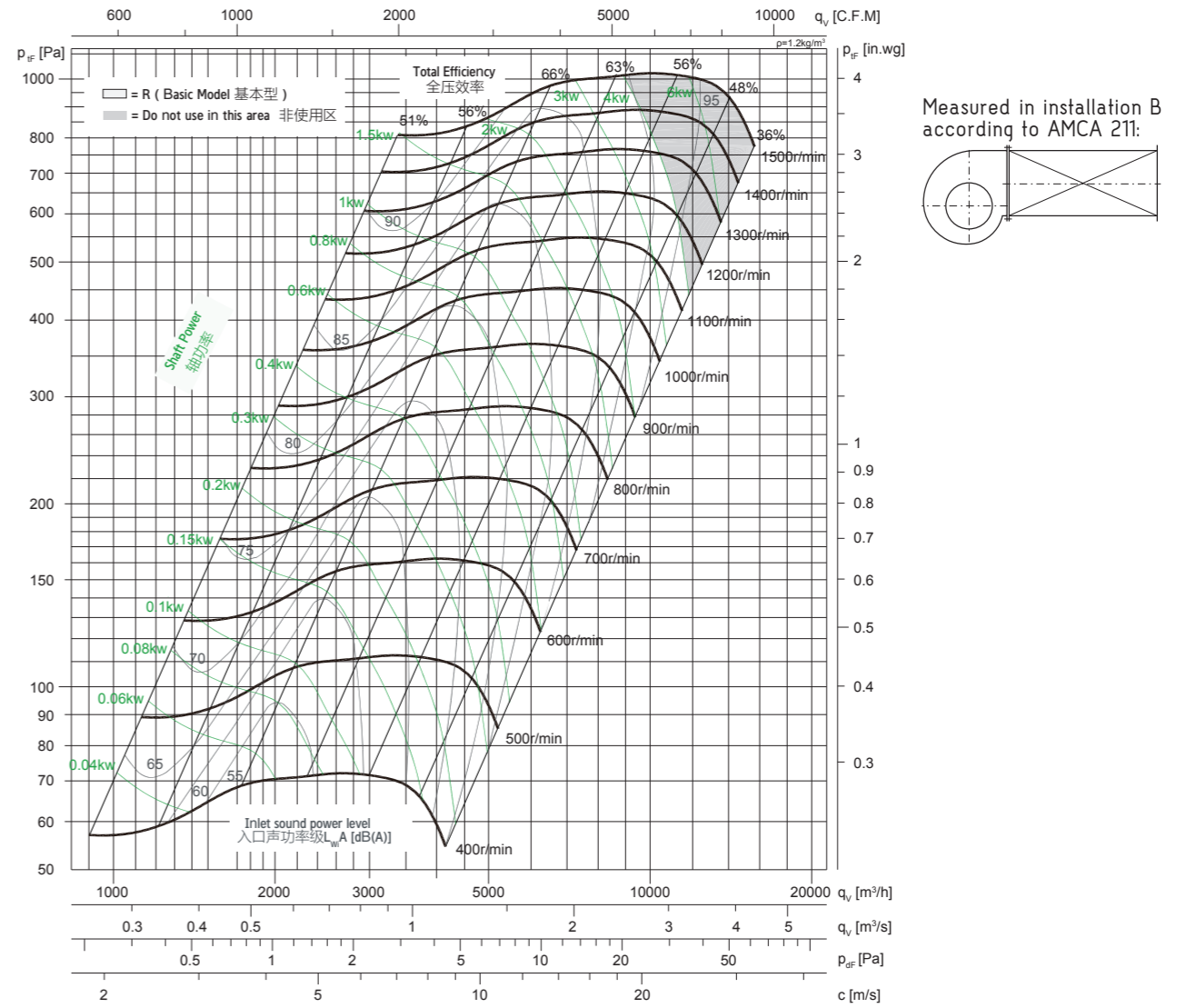
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 12 inch	Fan weight 风机质量(不含电机)	m = 100 kg
Moment of inertia 转动惯量	J = 0.12 kg·m ²	Speed limit 极限转速	n _{max} = 1500 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}, A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}, A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
51	-51	-38	-33	-28	-26	-25	-28	-35	dB
56	-56	-43	-36	-29	-27	-24	-27	-34	dB
66	-45	-33	-30	-27	-25	-26	-30	-36	dB
63	-48	-35	-31	-27	-25	-26	-29	-35	dB
56	-53	-40	-35	-28	-26	-25	-27	-34	dB
48	-55	-42	-36	-29	-26	-25	-26	-32	dB
36	-55	-42	-36	-29	-26	-25	-26	-32	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
51	-25	-14	-12	-8	-6	-5	-8	-15	dB
56	-30	-19	-15	-8	-7	-4	-7	-15	dB
66	-18	-10	-9	-7	-6	-7	-11	-17	dB
63	-20	-11	-8	-7	-6	-7	-11	-17	dB
56	-24	-14	-10	-7	-6	-6	-8	-15	dB
48	-26	-15	-12	-9	-7	-6	-7	-13	dB
36	-25	-16	-12	-8	-6	-6	-7	-13	dB

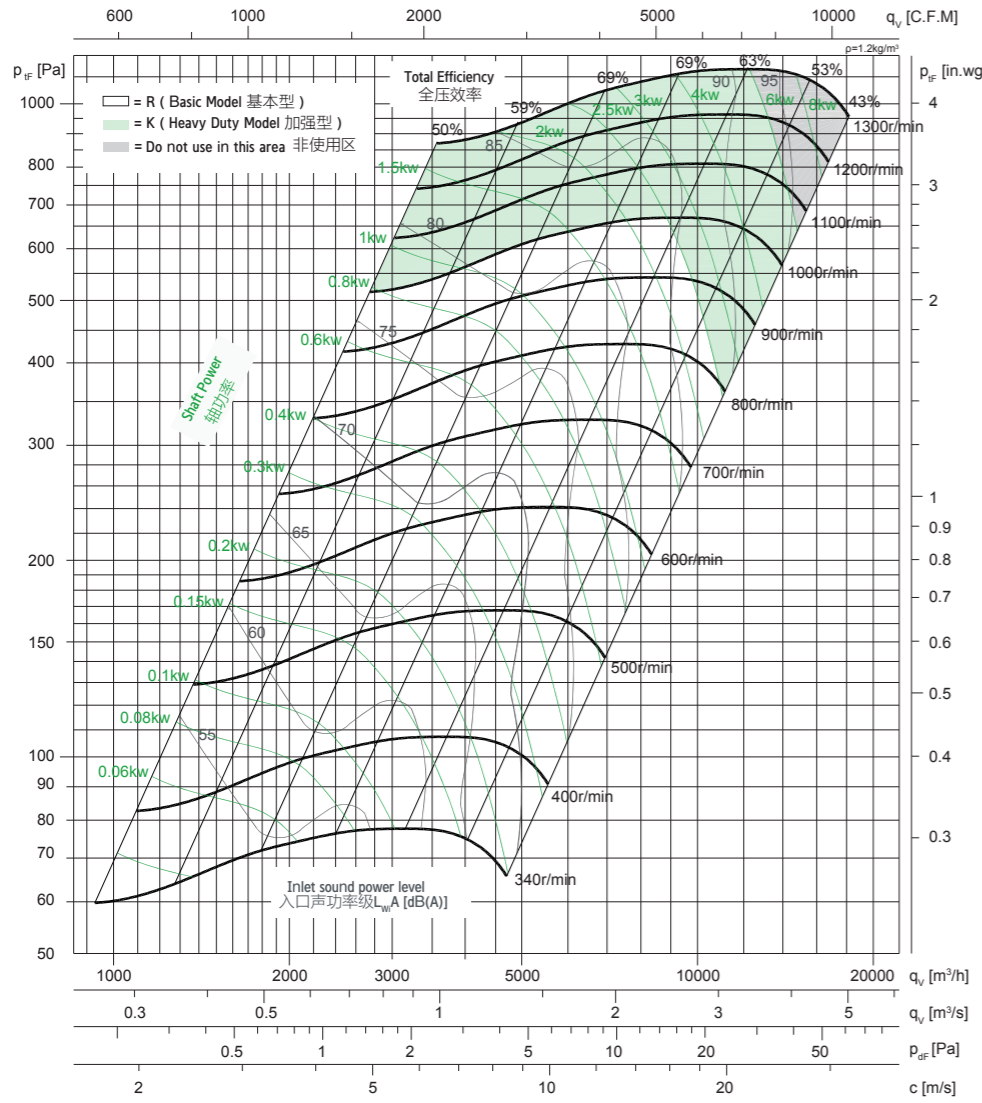
箱式风机系列

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 15 inch	Fan weight 风机质量(不含电机)	m = 130 kg
Moment of inertia 转动惯量	J = 0.19 kg·m ²	Speed limit 极限转速	n _{max} = 1300 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and 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. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wA})。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w(lm)}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w(lm)}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
51	-35	-29	-29	-26	-25	-29	-33	-39	dB
56	-43	-33	-31	-26	-25	-27	-30	-37	dB
66	-52	-39	-34	-26	-25	-27	-28	-36	dB
63	-51	-38	-34	-26	-25	-27	-28	-36	dB
56	-53	-39	-35	-28	-25	-26	-27	-34	dB
48	-55	-38	-31	-25	-25	-26	-26	-32	dB
36	-53	-52	-39	-32	-27	-25	-26	-31	dB

Relative A sound power level for outlet side L_{w(o)}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w(o)}(A)

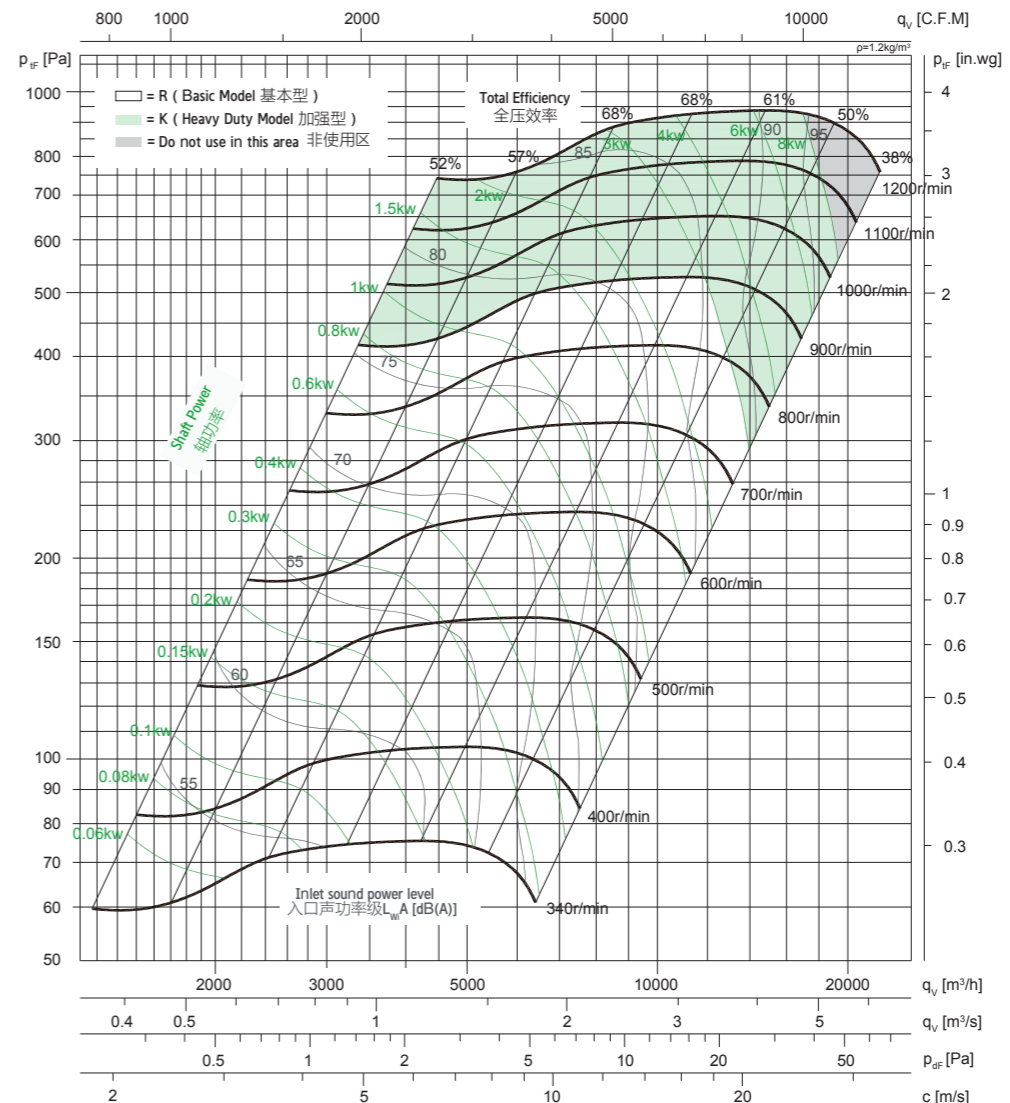
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
51	-9	-8	-8	-8	-7	-9	-14	-19	dB
56	-17	-10	-10	-6	-6	-8	-11	-18	dB
66	-26	-15	-13	-6	-5	-7	-8	-16	dB
63	-22	-13	-10	-6	-6	-8	-9	-17	dB
56	-24	-13	-11	-7	-5	-7	-8	-16	dB
48	-26	-15	-14	-10	-5	-6	-7	-13	dB
36	-23	-16	-15	-11	-7	-5	-6	-11	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 15 inch	Fan weight 风机质量(不含电机)	m = 140 kg
Moment of inertia 转动惯量	J = 0.23 kg·m ²	Speed limit 极限转速	n _{max} = 1200 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and 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. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wA})。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w(lm)}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w(lm)}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
52	-42	-29	-31	-26	-26	-27	-30	-37	dB
57	-44	-30	-32	-26	-26	-27	-29	-37	dB
68	-49	-35	-34	-26	-26	-26	-28	-35	dB
68	-50	-35	-34	-27	-26	-26	-28	-35	dB
61	-52	-36	-35	-27	-26	-26	-27	-34	dB
50	-57	-41	-38	-30	-26	-25	-26	-32	dB
38	-53	-40	-37	-31	-27	-25	-25	-31	dB

Relative A sound power level for outlet side L_{w(o)}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w(o)}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
52	-16	-8	-10	-6	-6	-8	-11	-18	dB
57	-18	-8	-10	-6	-7	-8	-10	-17	dB
68	-23	-11	-13	-6	-6	-6	-9	-16	dB
68	-22	-11	-10	-6	-6	-7	-9	-16	dB
61	-23	-10	-11	-7	-6	-7	-9	-16	dB
50	-27	-15	-14	-9	-6	-6	-7	-13	dB
38	-23	-14	-13	-10	-7	-6	-6	-11	dB

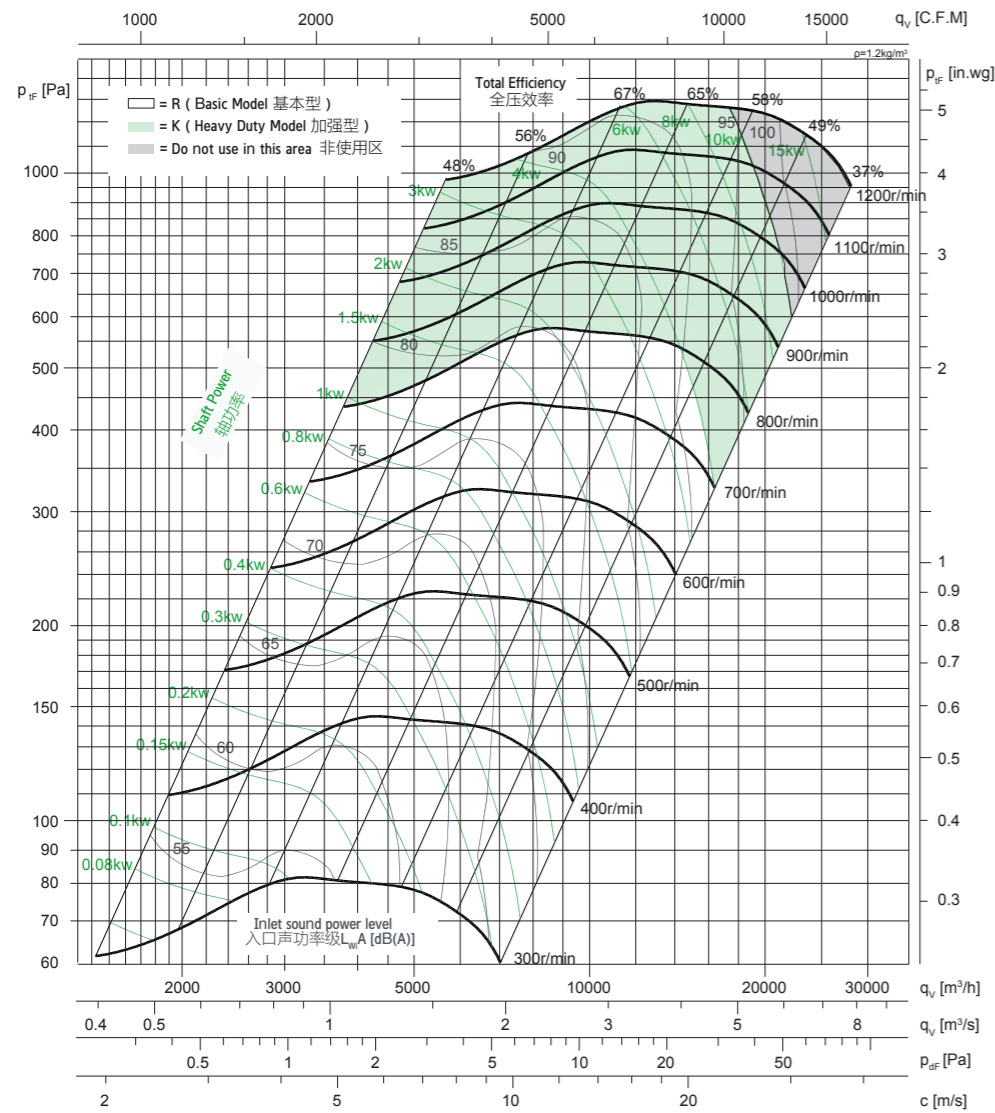
箱式风机系列

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 18 inch	Fan weight 风机质量(不含电机)	m = 180 kg
Moment of inertia 转动惯量	J = 0.46 kg·m ²	Speed limit 极限转速	n _{max} = 1200 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
48	-40	-28	-29	-25	-27	-28	-33	-40	dB
56	-45	-32	-31	-24	-27	-27	-31	-38	dB
67	-52	-36	-33	-24	-28	-27	-30	-37	dB
65	-52	-36	-33	-24	-28	-27	-30	-37	dB
58	-55	-38	-35	-25	-27	-26	-29	-36	dB
49	-59	-42	-38	-26	-26	-25	-28	-34	dB
37	-56	-41	-40	-29	-25	-24	-27	-33	dB

Relative A sound power level for outlet side L_{wlo}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{wlo}(A)

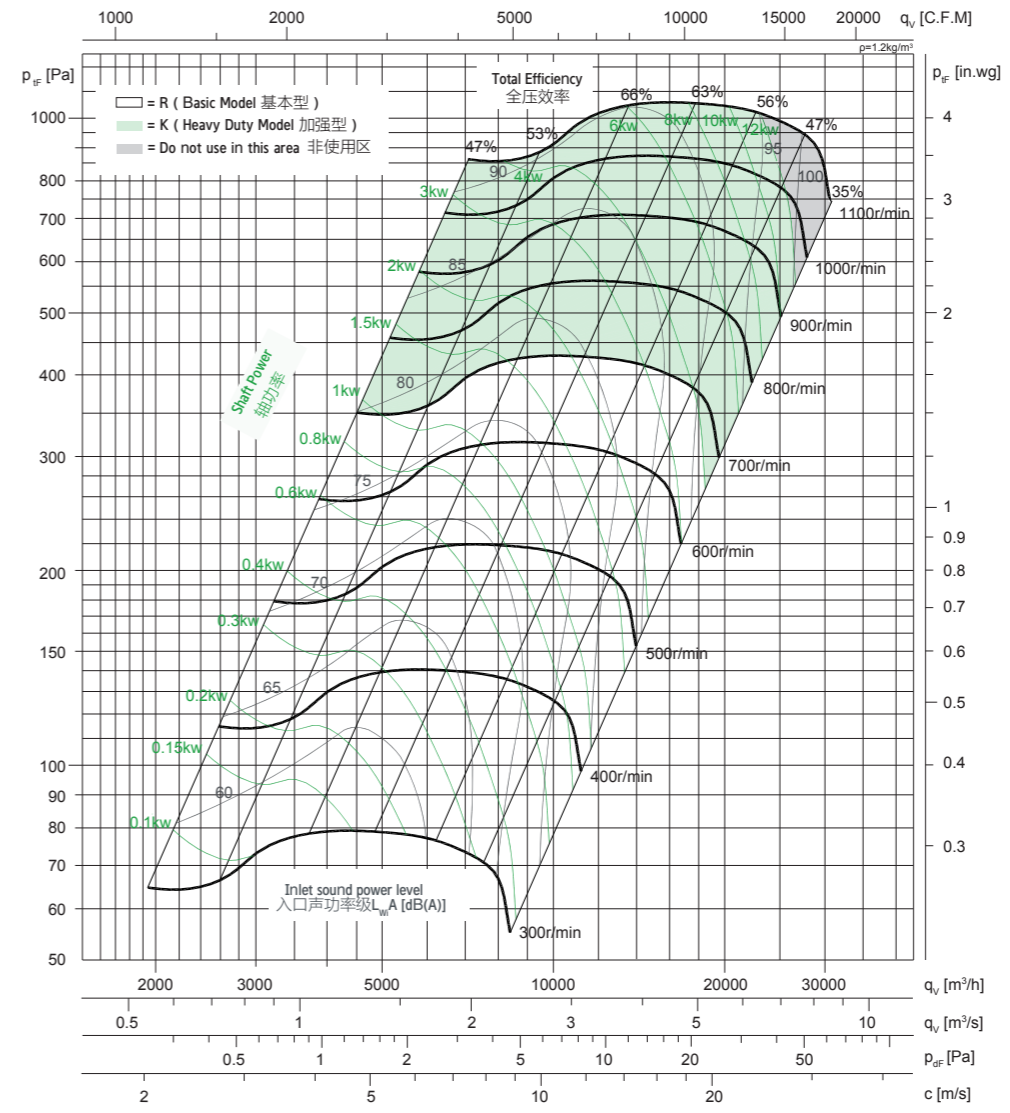
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
48	-15	-7	-8	-6	-8	-9	-14	-21	dB
56	-19	-9	-9	-4	-8	-8	-12	-19	dB
67	-25	-12	-12	-4	-8	-7	-11	-18	dB
65	-23	-10	-9	-4	-9	-8	-11	-18	dB
58	-26	-12	-11	-4	-8	-7	-10	-17	dB
49	-29	-16	-15	-6	-6	-6	-9	-15	dB
37	-26	-15	-16	-8	-5	-5	-8	-14	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 18 inch	Fan weight 风机质量(不含电机)	m = 200 kg
Moment of inertia 转动惯量	J = 0.57 kg·m ²	Speed limit 极限转速	n _{max} = 1100 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
47	-35	-27	-29	-27	-27	-29	-33	-40	dB
53	-46	-35	-33	-23	-28	-27	-32	-38	dB
66	-45	-35	-33	-23	-28	-27	-32	-37	dB
63	-46	-35	-33	-24	-28	-27	-32	-37	dB
56	-49	-37	-34	-24	-27	-26	-30	-36	dB
47	-54	-40	-36	-26	-26	-25	-28	-34	dB
35	-47	-34	-34	-28	-27	-26	-28	-33	dB

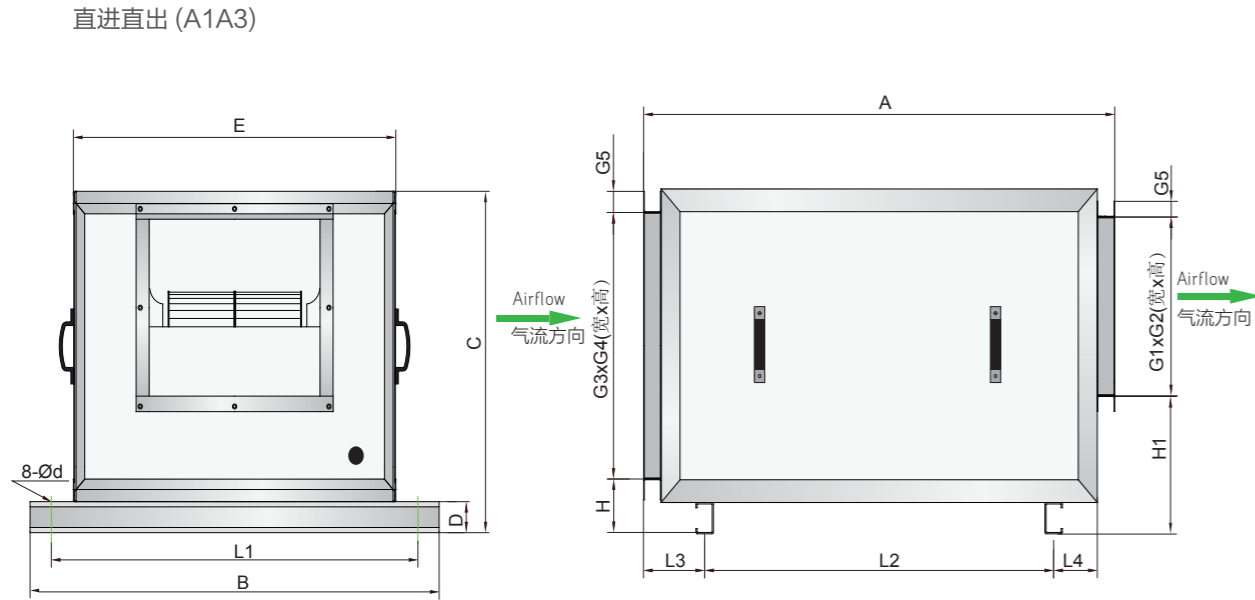
Relative A sound power level for outlet side L_{wlo}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{wlo}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
47	-10	-7	-8	-7	-7	-9	-13	-22	dB
53	-19	-12	-11	-4	-8	-7	-12	-21	dB
66	-19	-11	-12	-3	-8	-7	-13	-21	dB
63	-17	-9	-9	-4	-9	-8	-13	-21	dB
56	-20	-11	-10	-4	-8	-7	-12	-19	dB
47	-24	-14	-13	-6	-6	-6	-9	-14	dB
35	-17	-8	-11	-7	-7	-7	-9	-12	dB

箱式风机系列

CB-T系列箱式风机外形尺寸

CB-T Series Fan Overall Dimension

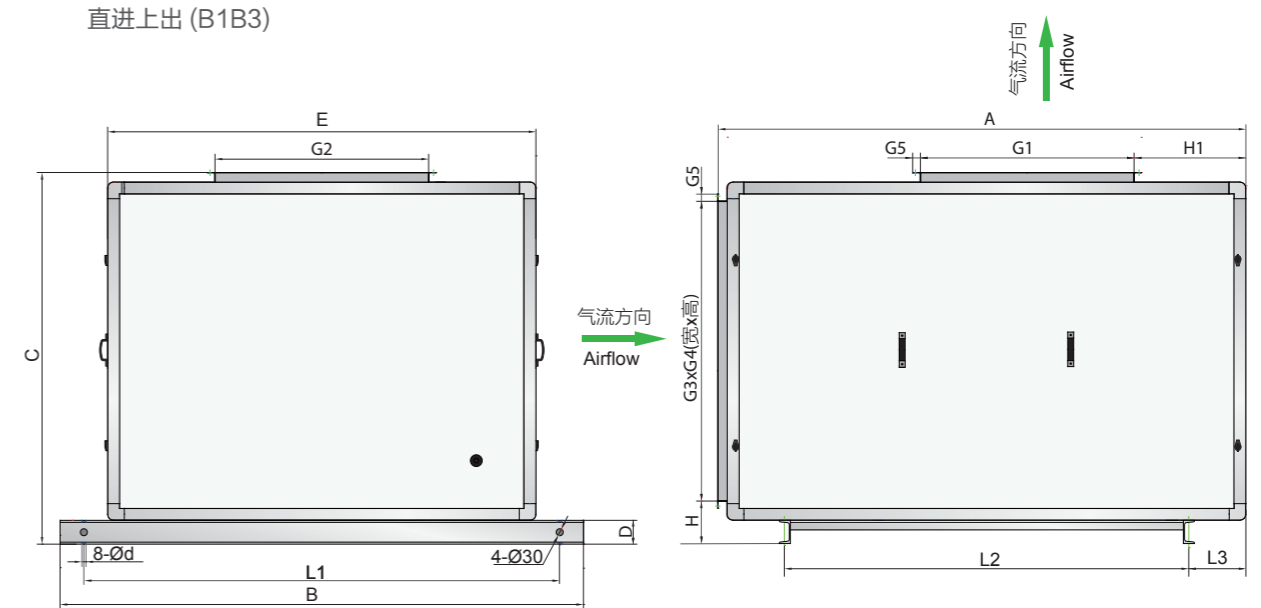


单位: mm

尺寸 型号	A	B	C	D	E	H	H1	G1	G2	G3	G4	G5	L1	L2	L3	L4	φd
CB7-7T	876	810	470	50	608	110	194	259	228	486	298	30	730	590	181	65	15
CB8-8T	876	810	504	50	608	110	203	287	256	486	332	30	730	590	181	65	15
CB9-7T	976	895	533	50	696	110	223	232	262	574	361	30	815	690	181	65	15
CB9-9T	976	895	533	50	696	110	223	298	262	574	361	30	815	690	181	65	15
CB10-8T	976	895	589	50	696	110	252	265	289	574	417	30	815	690	181	65	15
CB10-10T	976	895	589	50	696	110	252	331	289	574	417	30	815	690	181	65	15
CB12-9T	1176	995	661	50	796	110	275	309	341	674	489	30	915	890	181	65	15
CB12-12T	1176	995	661	50	796	110	275	395	341	674	489	30	915	890	181	65	15
CB15-11T	1176	1095	753	50	896	110	305	373	402	774	581	30	1015	890	181	65	15
CB15-15T	1176	1095	753	50	896	110	305	471	402	774	581	30	1015	890	181	65	15
CB18-13T	1311	1295	885	50	1096	110	359	430	478	974	713	30	1215	1025	181	65	15
CB18-18T	1311	1295	885	50	1096	110	359	557	478	974	713	30	1215	1025	181	65	15

CB-T系列箱式风机外形尺寸

CB-T Series Fan Overall Dimension



单位: mm

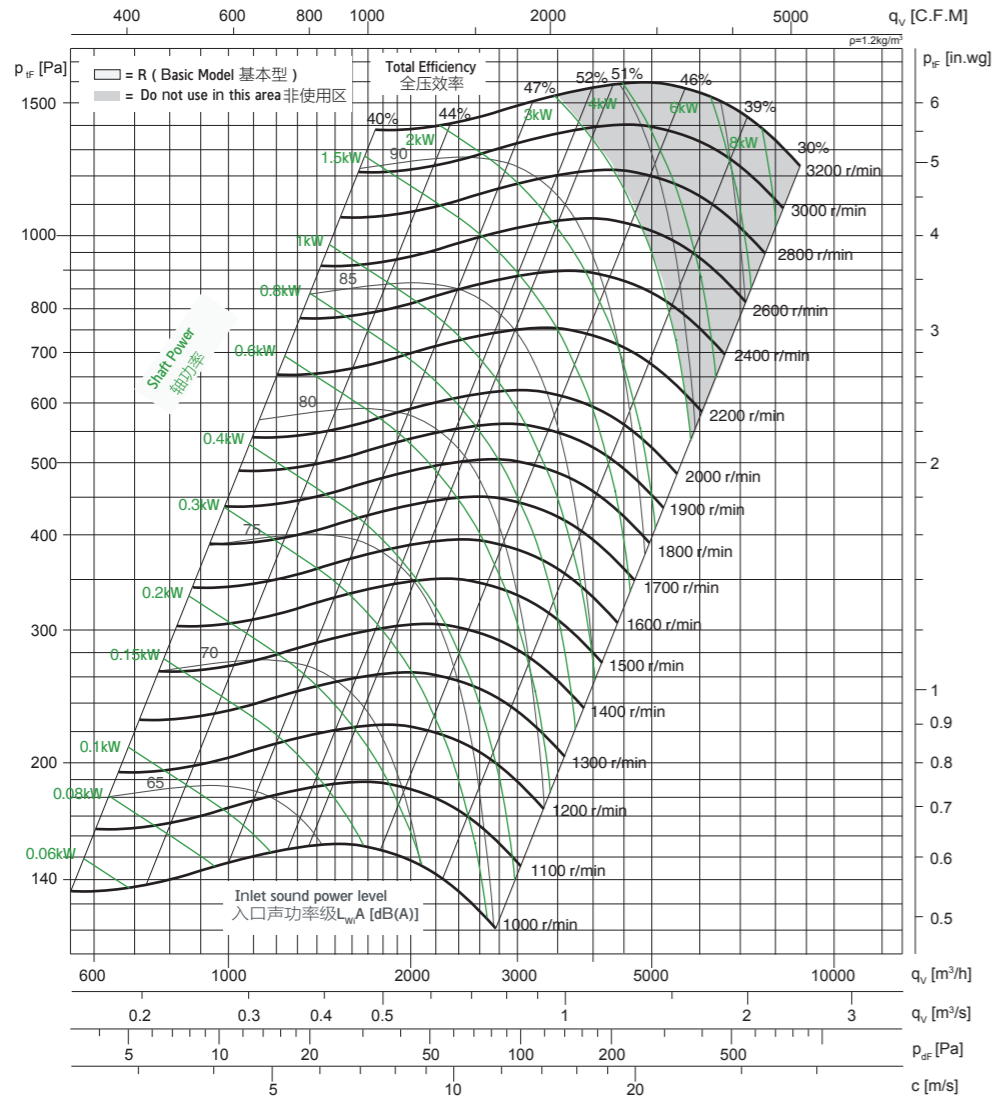
尺寸 型号	A	B	C	D	E	L1	L2	L3	H	H1	G1	G2	G3	G4	G5
CB7-7T	836	810	510	50	608	730	590	65	110	187	228	259	486	298	30
CB8-8T	836	810	544	50	608	730	590	65	110	196	256	287	486	332	30
CB9-7T	936	895	573	50	696	815	690	65	110	217	262	232	574	361	30
CB9-9T	936	895	573	50	696	815	690	65	110	217	262	298	574	361	30
CB10-8T	936	895	629	50	696	815	690	65	110	246	289	265	574	417	30
CB10-10T	936	895	629	50	696	815	690	65	110	246	289	331	574	417	30
CB12-9T	1136	995	701	50	796	915	890	65	110	268	341	309	674	489	30
CB12-12T	1136	995	701	50	796	915	890	65	110	268	341	395	674	489	30
CB15-11T	1136	1095	793	50	896	1015	890	65	110	298	402	373	774	581	30
CB15-15T	1136	1095	793	50	896	1015	890	65	110	298	402	471	774	581	30
CB18-13T	1271	1295	925	50	1096	1215	1025	65	110	352	478	430	974	713	30
CB18-18T	1271	1295	925	50	1096	1215	1025	65	110	352	478	557	974	713	30

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 200 mm	Fan weight 风机质量	m = 57 kg
Moment of inertia 转动惯量	J = 0.015 kg·m ²	Speed limit 极限转速	n _{max} = 3200 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}, A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}, A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
40	-38	-31	-27	-28	-27	-28	-30	-36	dB
44	-41	-31	-26	-28	-27	-28	-30	-35	dB
47	-38	-32	-27	-28	-26	-27	-29	-34	dB
52	-36	-32	-28	-29	-26	-27	-29	-34	dB
51	-35	-33	-29	-29	-26	-27	-28	-33	dB
46	-37	-35	-30	-30	-26	-27	-27	-32	dB
39	-46	-37	-33	-32	-26	-26	-26	-30	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

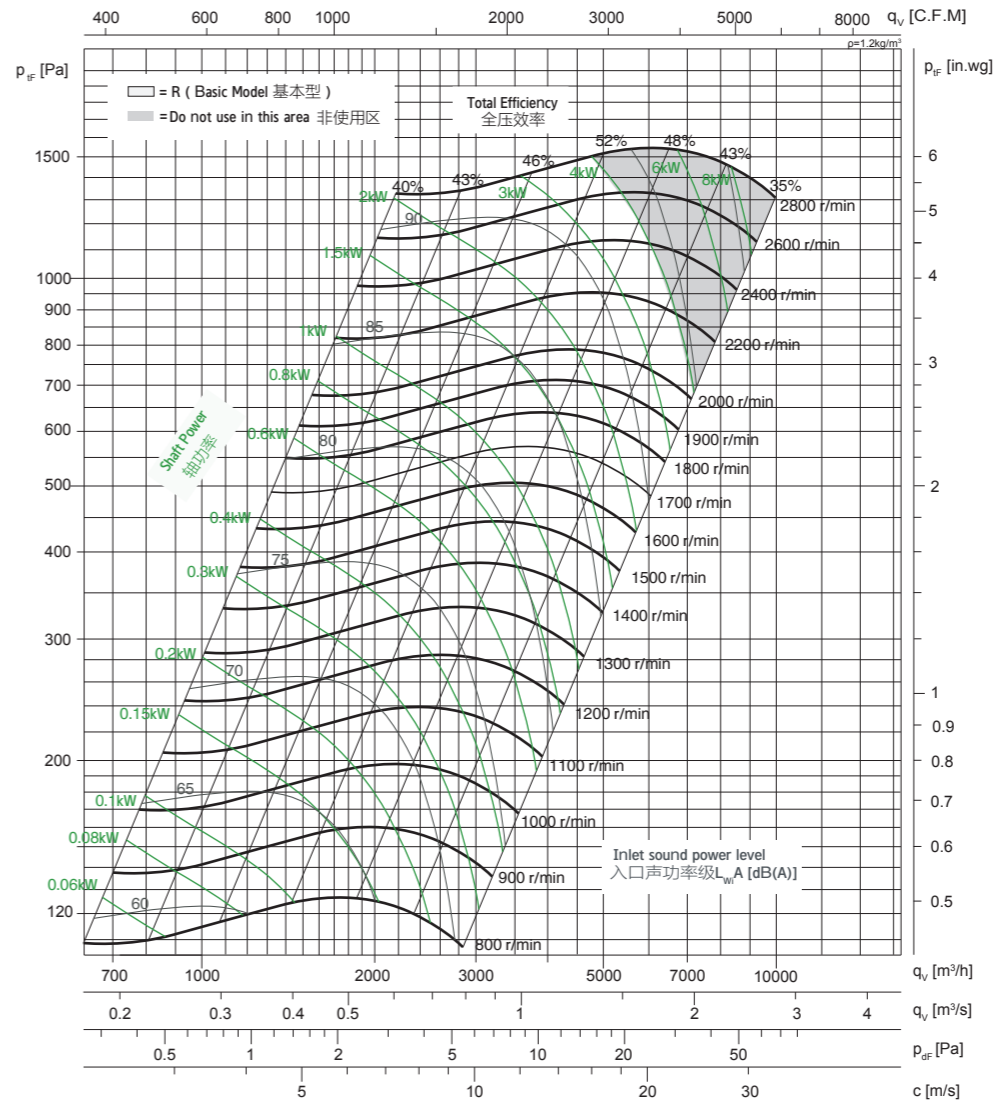
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
40	-13	-8	-7	-8	-7	-8	-11	-17	dB
44	-15	-9	-6	-8	-7	-8	-11	-15	dB
47	-12	-10	-7	-9	-7	-8	-10	-15	dB
52	-9	-10	-9	-10	-7	-8	-10	-15	dB
51	-8	-11	-9	-10	-7	-8	-9	-14	dB
46	-9	-11	-11	-11	-6	-8	-8	-13	dB
39	-17	-11	-11	-12	-7	-6	-7	-11	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 225 mm	Fan weight 风机质量(不含电机)	m = 62.5 kg
Moment of inertia 转动惯量	J = 0.021 kg·m ²	Speed limit 极限转速	n _{max} = 2800 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}, A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}, A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
40	-38	-31	-27	-28	-27	-28	-30	-36	dB
43	-41	-31	-26	-28	-27	-28	-30	-35	dB
46	-39	-32	-27	-28	-26	-27	-30	-34	dB
52	-36	-30	-28	-29	-26	-27	-29	-34	dB
48	-35	-35	-30	-30	-26	-27	-27	-32	dB
43	-44	-37	-32	-31	-26	-26	-26	-31	dB
35	-50	-38	-33	-32	-27	-26	-26	-30	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

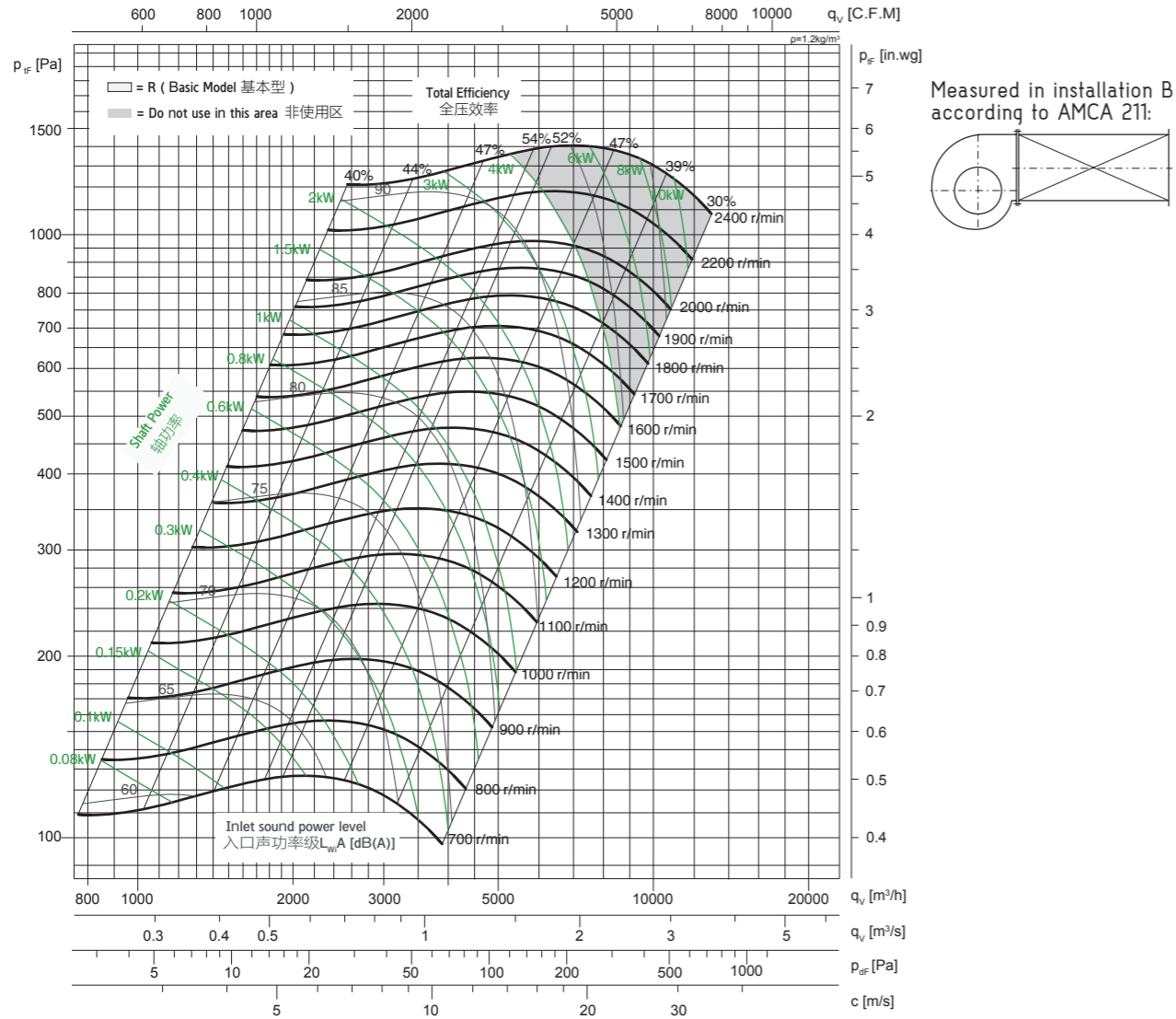
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
40	-13	-8	-7	-8	-7	-8	-11	-17	dB
43	-15	-9	-6	-8	-7	-8	-11	-15	dB
46	-13	-9	-7	-9	-7	-8	-10	-15	dB
52	-9	-10	-9	-10	-7	-8	-10	-15	dB
48	-8	-13	-11	-11	-6	-8	-8	-13	dB
43	-15	-12	-11	-11	-6	-6	-7	-11	dB
35	-20	-12	-11	-12	-7	-6	-6	-10	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 250 mm	Fan weight 风机质量(不含电机)	m = 70 kg
Moment of inertia 转动惯量	J = 0.038 kg·m ²	Speed limit 极限转速	n _{max} = 2400 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm(A)} at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm(A)}

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
40	-38	-31	-27	-28	-27	-28	-30	-36	dB
44	-41	-31	-26	-28	-27	-28	-30	-35	dB
47	-38	-32	-27	-28	-26	-27	-29	-34	dB
52	-36	-32	-28	-29	-26	-27	-29	-34	dB
51	-35	-33	-29	-29	-26	-27	-28	-33	dB
46	-38	-36	-31	-30	-26	-27	-27	-31	dB
39	-46	-37	-33	-32	-26	-26	-26	-30	dB

Relative A sound power level for outlet side L_{w0(A)} at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0(A)}

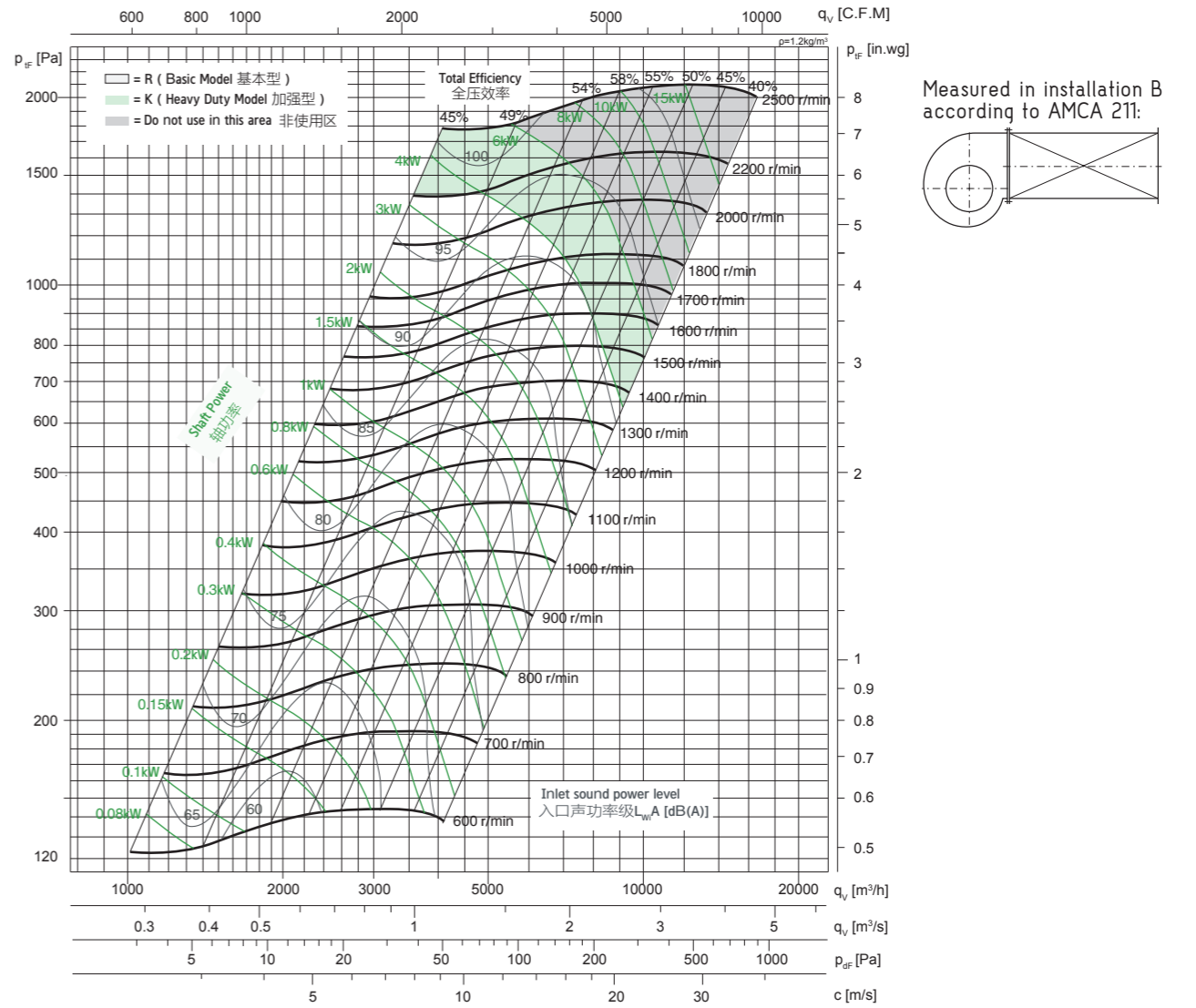
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
40	-13	-8	-7	-8	-7	-8	-11	-17	dB
44	-15	-9	-6	-8	-7	-8	-11	-15	dB
47	-12	-10	-7	-9	-7	-8	-10	-15	dB
52	-9	-10	-9	-10	-7	-8	-10	-15	dB
51	-8	-11	-9	-10	-7	-8	-9	-14	dB
46	-10	-12	-11	-11	-6	-7	-7	-12	dB
39	-17	-11	-11	-12	-7	-6	-7	-11	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 280 mm	Fan weight 风机质量(不含电机)	m = 100 kg
Moment of inertia 转动惯量	J = 0.06 kg·m ²	Speed limit 极限转速	n _{max} = 2500 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm(A)} at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm(A)}

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-32	-22	-28	-33	-36	-34	-37	-47	dB
49	-31	-22	-28	-32	-32	-36	-38	-40	dB
54	-32	-23	-27	-31	-36	-35	-34	-44	dB
58	-29	-24	-27	-30	-34	-33	-35	-45	dB
55	-30	-22	-28	-33	-32	-34	-36	-41	dB
50	-31	-23	-28	-33	-32	-34	-35	-40	dB
45	-31	-23	-28	-32	-31	-33	-34	-38	dB

Relative A sound power level for outlet side L_{w0(A)} at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0(A)}

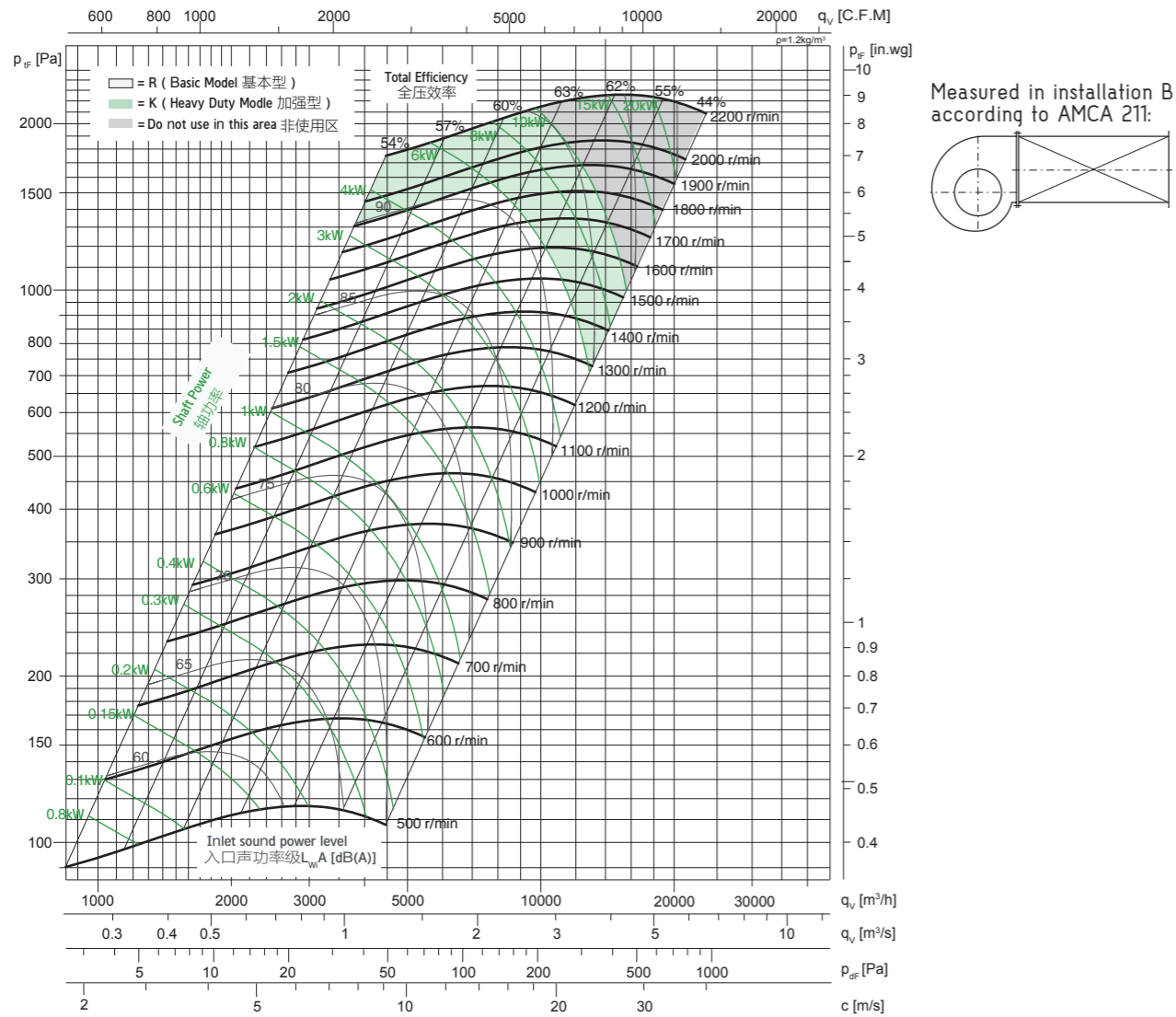
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-9	-2	-8	-13	-17	-15	-18	-28	dB
49	-9	-2	-9	-13	-13	-17	-19	-21	dB
54	-9	-3	-7	-11	-17	-15	-14	-24	dB
58	-6	-4	-8	-11	-15	-14	-16	-26	dB
55	-8	-2	-9	-14	-14	-16	-18	-23	dB
50	-8	-3	-9	-14	-13	-15	-16	-21	dB
45	-7	-3	-9	-13	-12	-14	-15	-19	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 315 mm	Fan weight 风机质量(不含电机)	m = 142 kg
Moment of inertia 转动惯量	J = 0.1 kg·m ²	Speed limit 极限转速	n _{max} = 2200 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
54	-37	-27	-31	-27	-27	-28	-30	-38	dB
57	-38	-27	-31	-27	-27	-8	-30	-37	dB
60	-38	-27	-31	-27	-27	-28	-30	-37	dB
63	-47	-33	-34	-27	-25	-27	-28	-34	dB
62	-48	-32	-35	-28	-25	-27	-28	-34	dB
55	-49	-36	-37	-29	-25	-25	-27	-33	dB
44	-52	-37	-37	-31	-26	-25	-26	-33	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

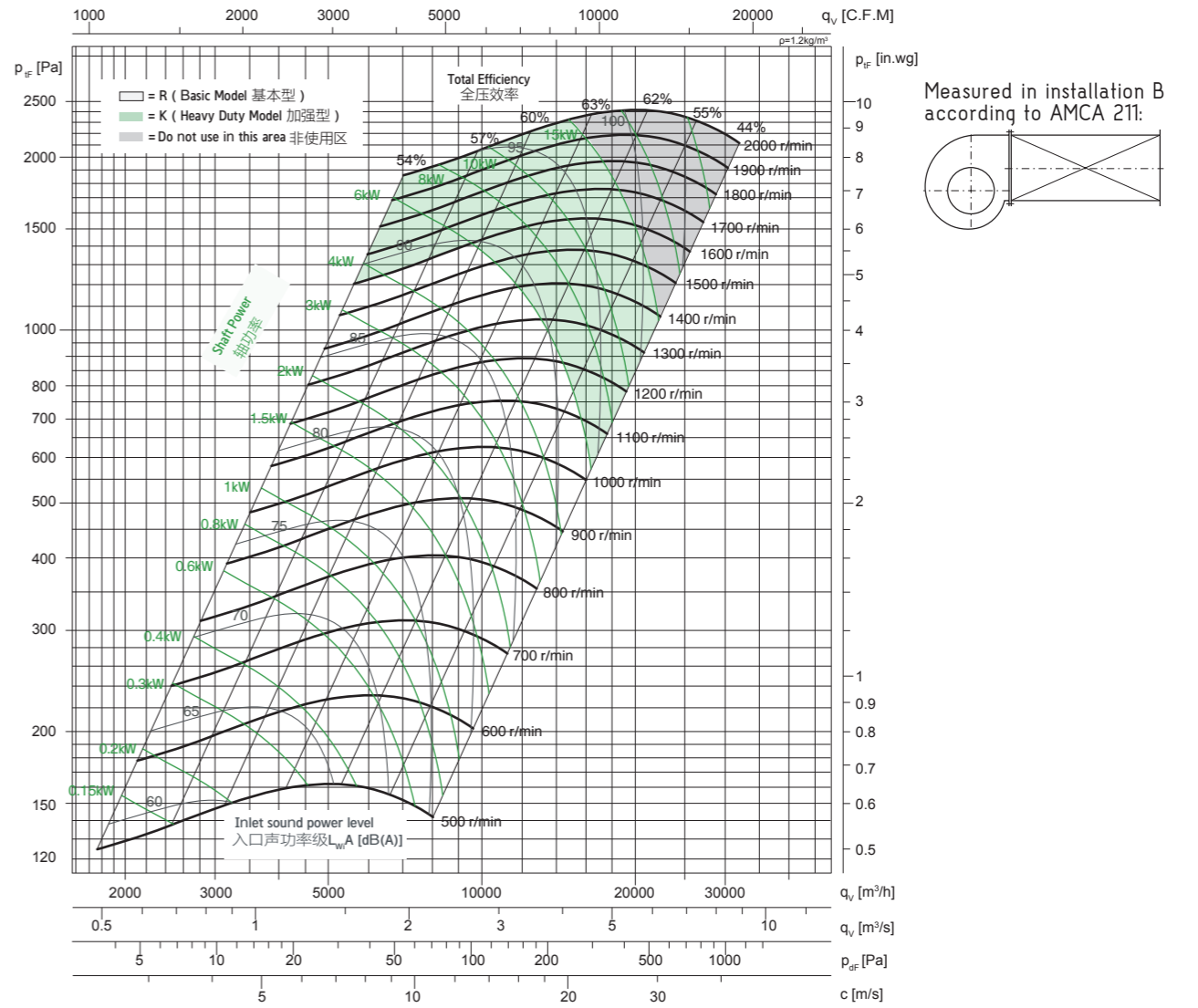
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
54	-15	-5	-11	-7	-8	-9	-11	-18	dB
57	-15	-5	-11	-7	-8	-9	-11	-18	dB
60	-15	-5	-12	-7	-8	-9	-11	-18	dB
63	-20	-10	-14	-7	-5	-7	-9	-15	dB
62	-21	-9	-14	-7	-5	-7	-9	-15	dB
55	-21	-12	-15	-9	-5	-6	-8	-14	dB
44	-23	-11	-15	-11	-5	-5	-7	-13	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 355 mm	Fan weight 风机质量(不含电机)	m = 173 kg
Moment of inertia 转动惯量	J = 0.15 kg·m ²	Speed limit 极限转速	n _{max} = 2000 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
54	-37	-27	-31	-27	-27	-28	-30	-38	dB
57	-38	-27	-31	-27	-27	-28	-30	-37	dB
60	-38	-27	-31	-27	-27	-28	-30	-37	dB
63	-47	-33	-34	-27	-25	-27	-28	-34	dB
62	-48	-32	-35	-28	-25	-27	-28	-34	dB
55	-49	-36	-37	-29	-25	-25	-27	-33	dB
44	-52	-37	-37	-31	-26	-25	-27	-33	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

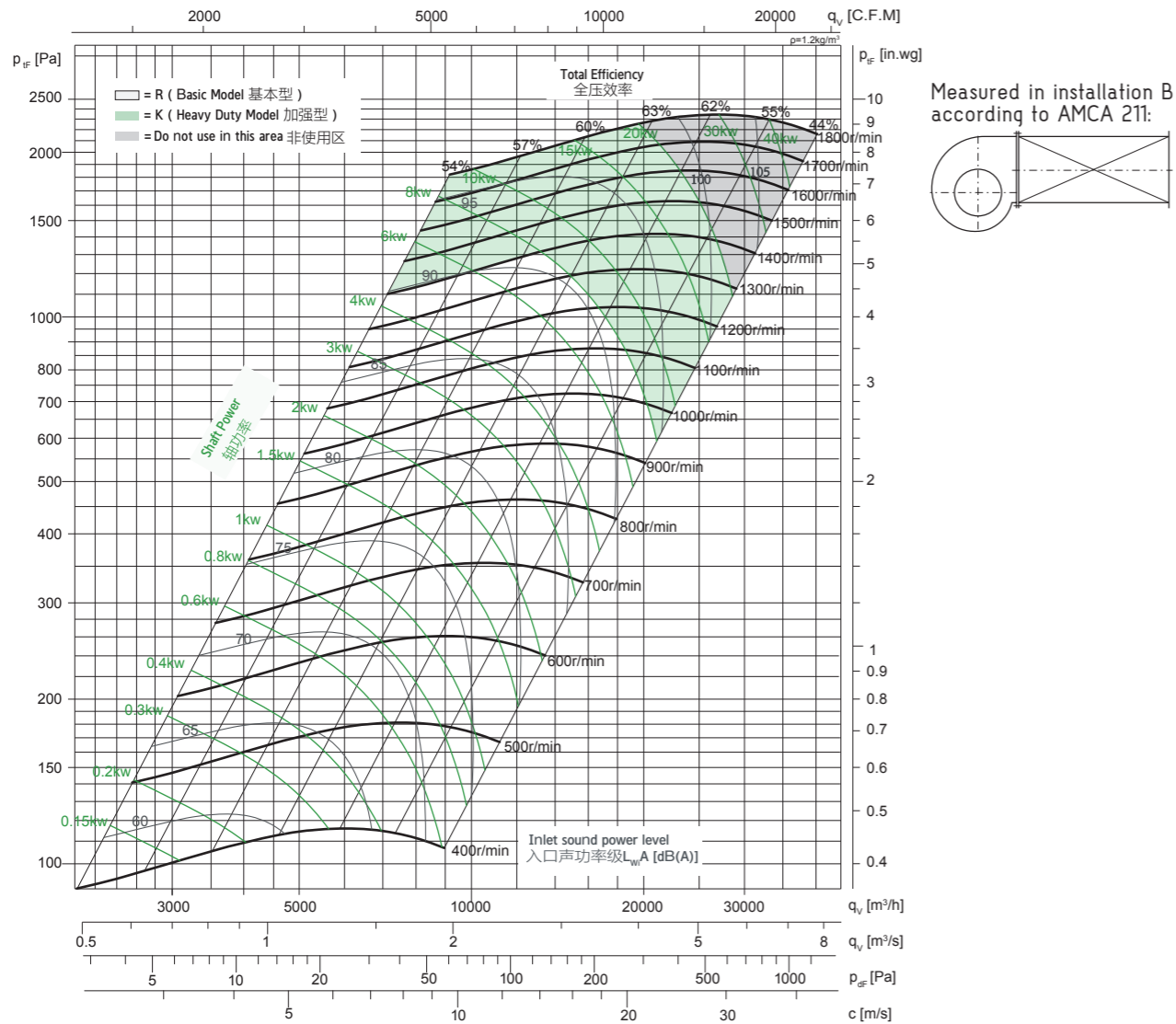
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
54	-15	-5	-11	-7	-8	-9	-11	-18	dB
57	-15	-5	-12	-7	-8	-9	-11	-18	dB
60	-15	-5	-12	-7	-8	-9	-11	-18	dB
63	-20	-10	-14	-7	-5	-7	-9	-15	dB
62	-21	-9	-14	-7	-5	-7	-9	-15	dB
55	-21	-12	-15	-9	-5	-6	-8	-14	dB
44	-23	-11	-15	-11	-5	-5	-7	-13	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 400 mm	Fan weight 风机质量(不含电机)	m = 210 kg
Moment of inertia 转动惯量	J = 0.31 kg·m ²	Speed limit 极限转速	n _{max} = 1800 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}, A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级 (入口 L_{wi}, A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
54	-37	-27	-31	-27	-27	-28	-30	-38	dB
57	-38	-27	-31	-27	-27	-28	-30	-37	dB
60	-38	-27	-31	-27	-27	-28	-30	-37	dB
63	-47	-33	-34	-27	-25	-27	-28	-34	dB
62	-48	-32	-35	-28	-25	-27	-28	-34	dB
55	-49	-36	-37	-29	-25	-25	-27	-33	dB
44	52	-38	-37	-31	-26	-25	-26	-33	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

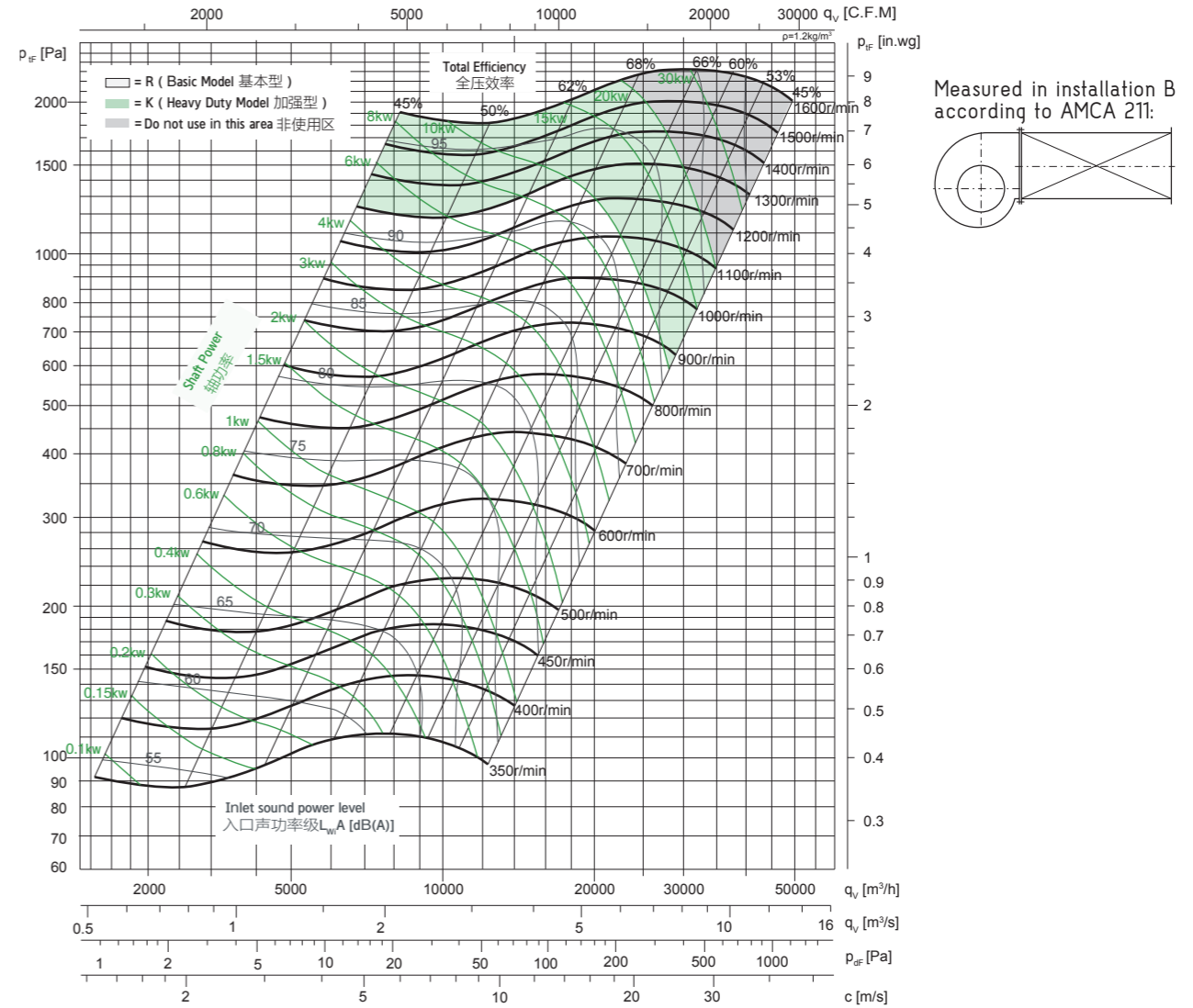
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
54	-15	-5	-11	-7	-8	-9	-11	-18	dB
57	-15	-5	-12	-7	-8	-9	-11	-18	dB
60	-15	-5	-13	-7	-8	-9	-10	-17	dB
63	-20	-10	-14	-7	-5	-7	-9	-15	dB
62	-21	-9	-14	-7	-5	-7	-9	-15	dB
55	-21	-12	-15	-9	-5	-6	-8	-14	dB
44	-23	12	-15	-11	-6	-5	-7	-13	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 450 mm	Fan weight 风机质量(不含电机)	m = 268 kg
Moment of inertia 转动惯量	J = 0.48 kg·m ²	Speed limit 极限转速	n _{max} = 1600 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}, A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级 (入口 L_{wi}, A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-36	-29	-29	-26	-26	-28	-33	-38	dB
50	-36	-29	-29	-26	-27	-28	-32	-37	dB
62	-39	-29	-30	-26	-27	-28	-30	-37	dB
68	-46	-35	-33	-24	-27	-27	-29	-36	dB
66	-47	-36	-34	-24	-27	-27	-29	-36	dB
60	-49	-37	-35	-25	-27	-26	-29	-36	dB
53	-51	-38	-36	-26	-226	-26	-28	-35	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-11	-7	-9	-7	-7	-9	-14	-19	dB
50	-10	-7	-9	-7	-8	-9	-13	-18	dB
62	-13	-7	-10	-6	-8	-9	-11	-18	dB
68	-17	-9	-12	-5	-8	-8	-10	-17	dB
66	-18	-10	-12	-5	-8	-8	-10	-17	dB
60	-20	-11	-14	-5	-7	-6	-9	-16	dB
53	-22	-12	-14	-6	-7	-6	-9	-16	dB

箱式风机系列

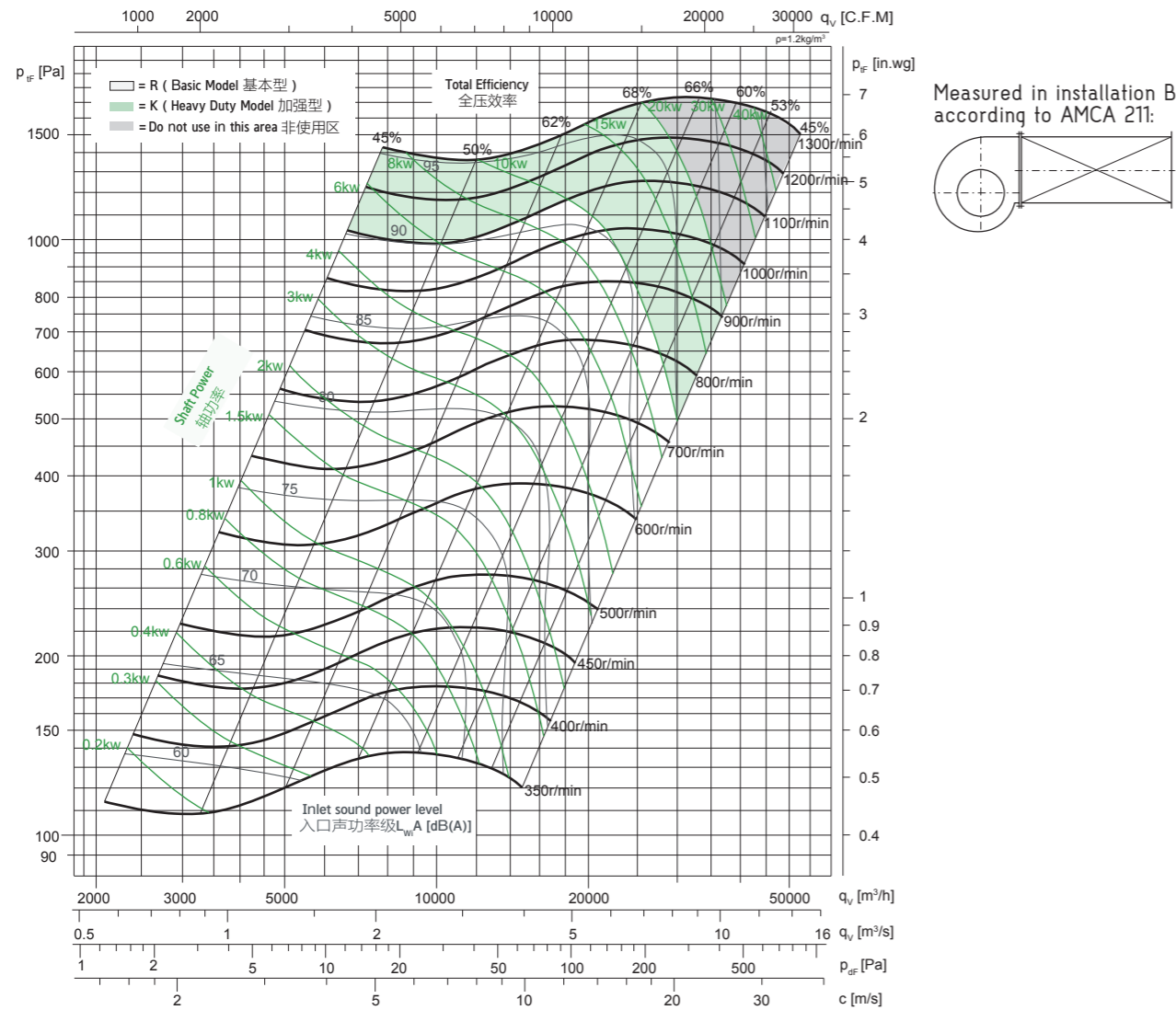
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 500 mm	Fan weight 风机质量(不含电机)	m = 305 kg
Moment of inertia 转动惯量	J = 0.9 kg·m ²	Speed limit 极限转速	n _{max} = 1300 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}, A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}, A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-36	-29	-29	-26	-26	-28	-33	-38	dB
50	-36	-29	-29	-26	-27	-28	-32	-37	dB
62	-39	-29	-30	-26	-27	-28	-30	-37	dB
68	-46	-35	-33	-24	-27	-27	-29	-36	dB
66	-47	-36	-34	-24	-27	-27	-29	-36	dB
60	-49	-37	-35	-25	-27	-26	-29	-36	dB
53	-51	-38	-36	-26	-26	-28	-35	dB	

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-11	-7	-9	-7	-7	-9	-14	-19	dB
50	-10	-7	-9	-7	-8	-9	-13	-18	dB
62	-13	-7	-10	-6	-8	-9	-11	-18	dB
68	-17	-9	-12	-5	-8	-8	-10	-17	dB
66	-18	-10	-12	-5	-8	-8	-10	-17	dB
60	-20	-11	-14	-5	-7	-6	-9	-16	dB
53	-22	-12	-14	-6	-7	-6	-9	-16	dB

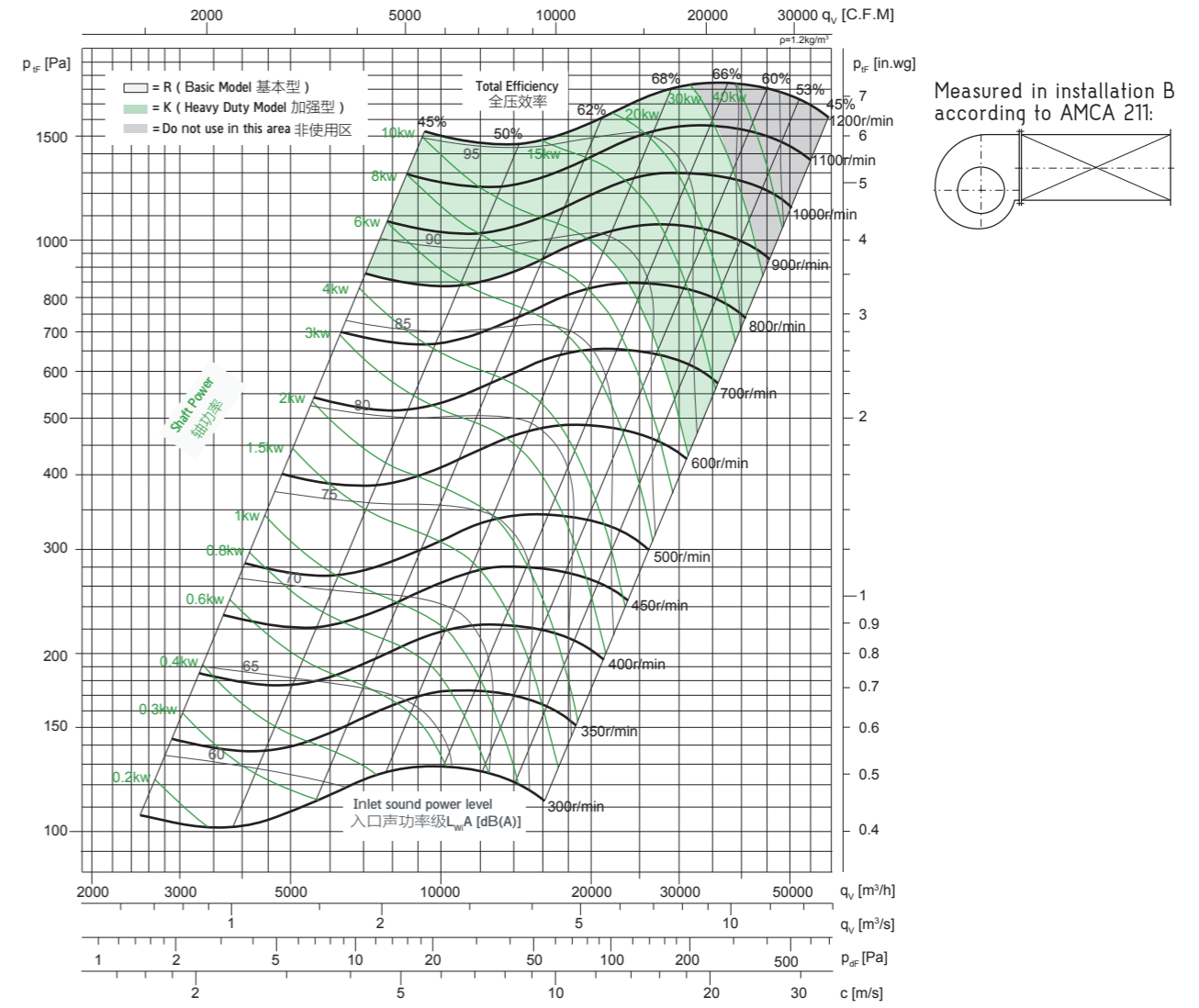
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 560 mm	Fan weight 风机质量(不含电机)	m = 435 kg
Moment of inertia 转动惯量	J = 1.66 kg·m ²	Speed limit 极限转速	n _{max} = 1200 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}, A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}, A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-36	-29	-29	-26	-26	-28	-33	-38	dB
50	-36	-29	-29	-26	-27	-28	-32	-37	dB
62	-39	-29	-30	-26	-27	-28	-30	-37	dB
68	-46	-35	-33	-24	-27	-27	-29	-36	dB
66	-47	-36	-34	-24	-27	-27	-29	-36	dB
60	-49	-37	-35	-25	-27	-26	-29	-36	dB
53	-51	-38	-36	-26	-26	-28	-35	dB	

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-11	-7	-9	-7	-7	-9	-14	-19	dB
50	-10	-7	-9	-7	-8	-9	-13	-18	dB
62	-14	-7	-10	-6	-7	-8	-10	-17	dB
68	-17	-9	-12	-5	-8	-8	-10	-17	dB
66	-18	-10	-12	-5	-8	-8	-10	-17	dB
60	-20	-11	-14	-5	-7	-6	-9	-16	dB
53	-22	-12	-14	-6	-7	-6	-9	-16	dB

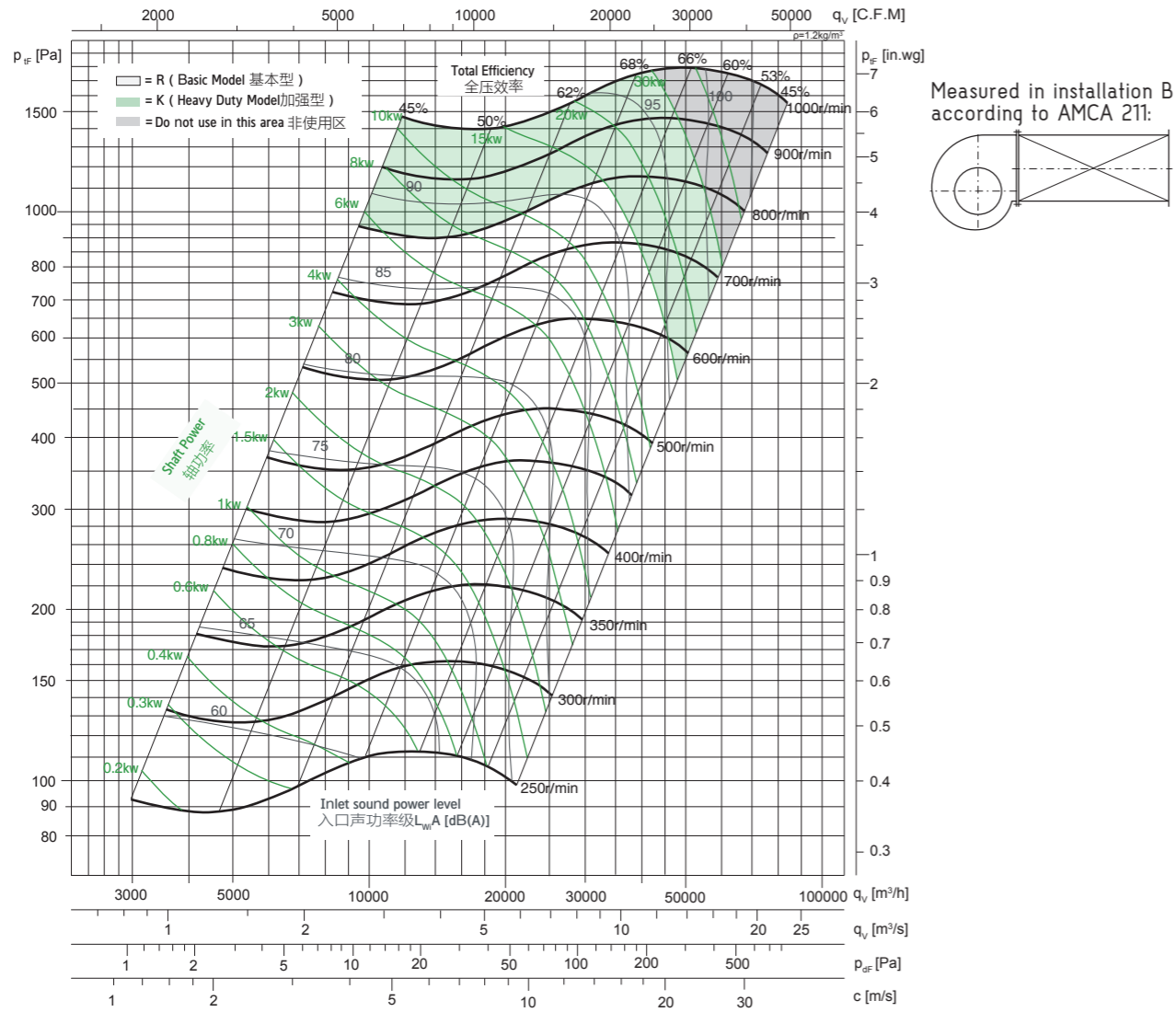
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 630 mm	Fan weight 风机质量(不含电机)	m = 480 kg
Moment of inertia 转动惯量	J = 2.15 kg·m ²	Speed limit 极限转速	n _{max} = 1000 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}, A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}, A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-36	-29	-29	-26	-26	-28	-33	-38	dB
50	-36	-29	-29	-26	-27	-28	-32	-37	dB
62	-39	-29	-30	-26	-27	-28	-30	-37	dB
68	-46	-35	-33	-24	-27	-27	-29	-36	dB
66	-47	-36	-34	-24	-27	-27	-29	-36	dB
60	-49	-37	-35	-25	-27	-26	-29	-36	dB
53	-51	-38	-36	-26	-26	-28	-35	dB	

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-11	-7	-9	-7	-7	-9	-14	-19	dB
50	-10	-7	-9	-7	-8	-9	-13	-18	dB
62	-14	-7	-10	-6	-7	-8	-10	-17	dB
68	-17	-9	-12	-5	-8	-8	-10	-17	dB
66	-18	-10	-12	-5	-8	-8	-10	-17	dB
60	-20	-11	-14	-5	-7	-6	-9	-16	dB
53	-22	-12	-14	-6	-7	-6	-9	-16	dB

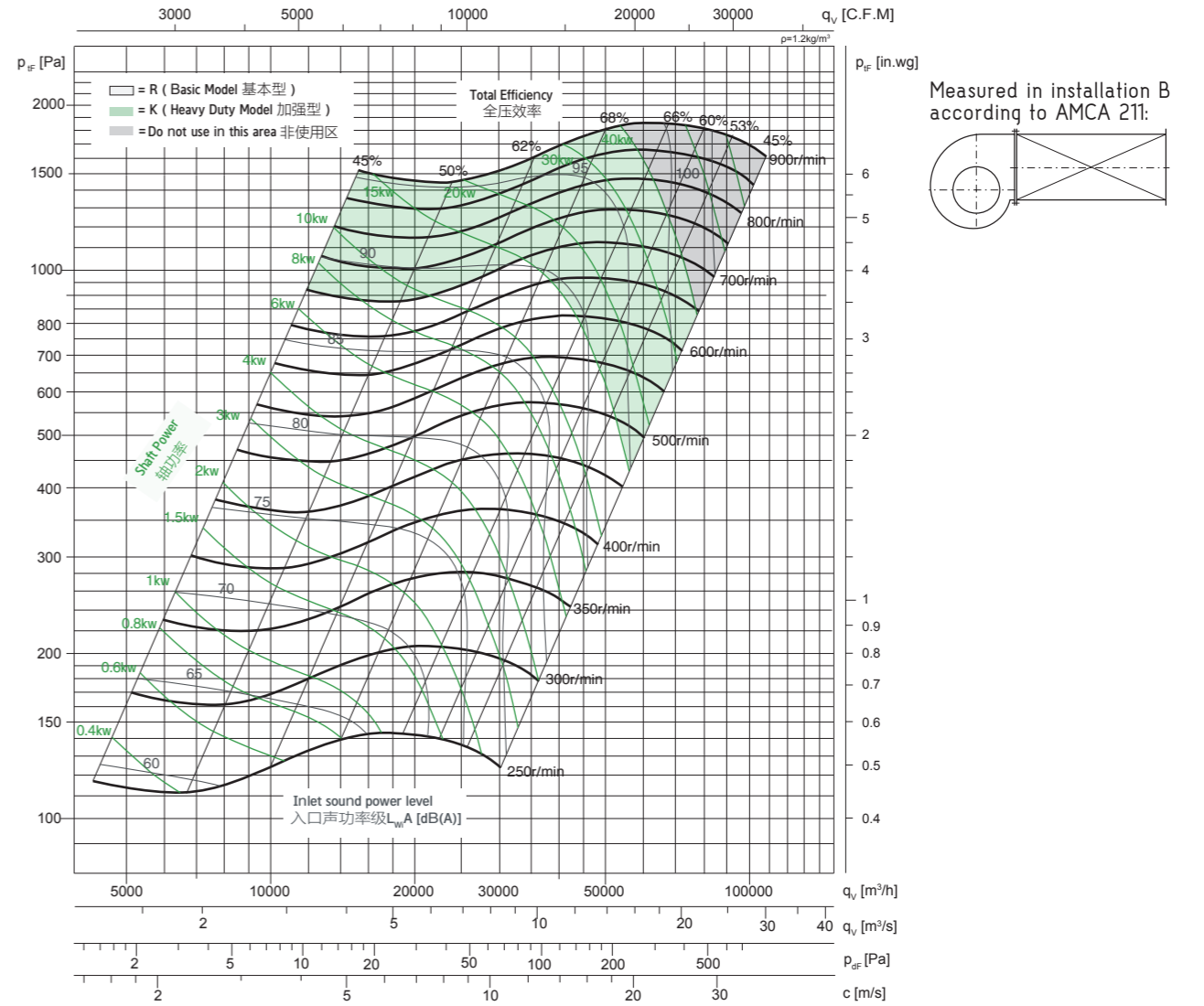
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 710 mm	Fan weight 风机质量(不含电机)	m = 670 kg
Moment of inertia 转动惯量	J = 4.02 kg·m ²	Speed limit 极限转速	n _{max} = 900 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}, A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}, A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-36	-29	-29	-26	-26	-28	-33	-38	dB
50	-36	-29	-29	-26	-27	-28	-32	-37	dB
62	-39	-29	-30	-26	-27	-28	-30	-37	dB
68	-46	-35	-33	-24	-27	-27	-29	-36	dB
66	-47	-36	-34	-24	-27	-27	-29	-36	dB
60	-49	-37	-35	-25	-27	-26	-29	-36	dB
53	-51	-38	-36	-26	-26	-28	-35	dB	

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

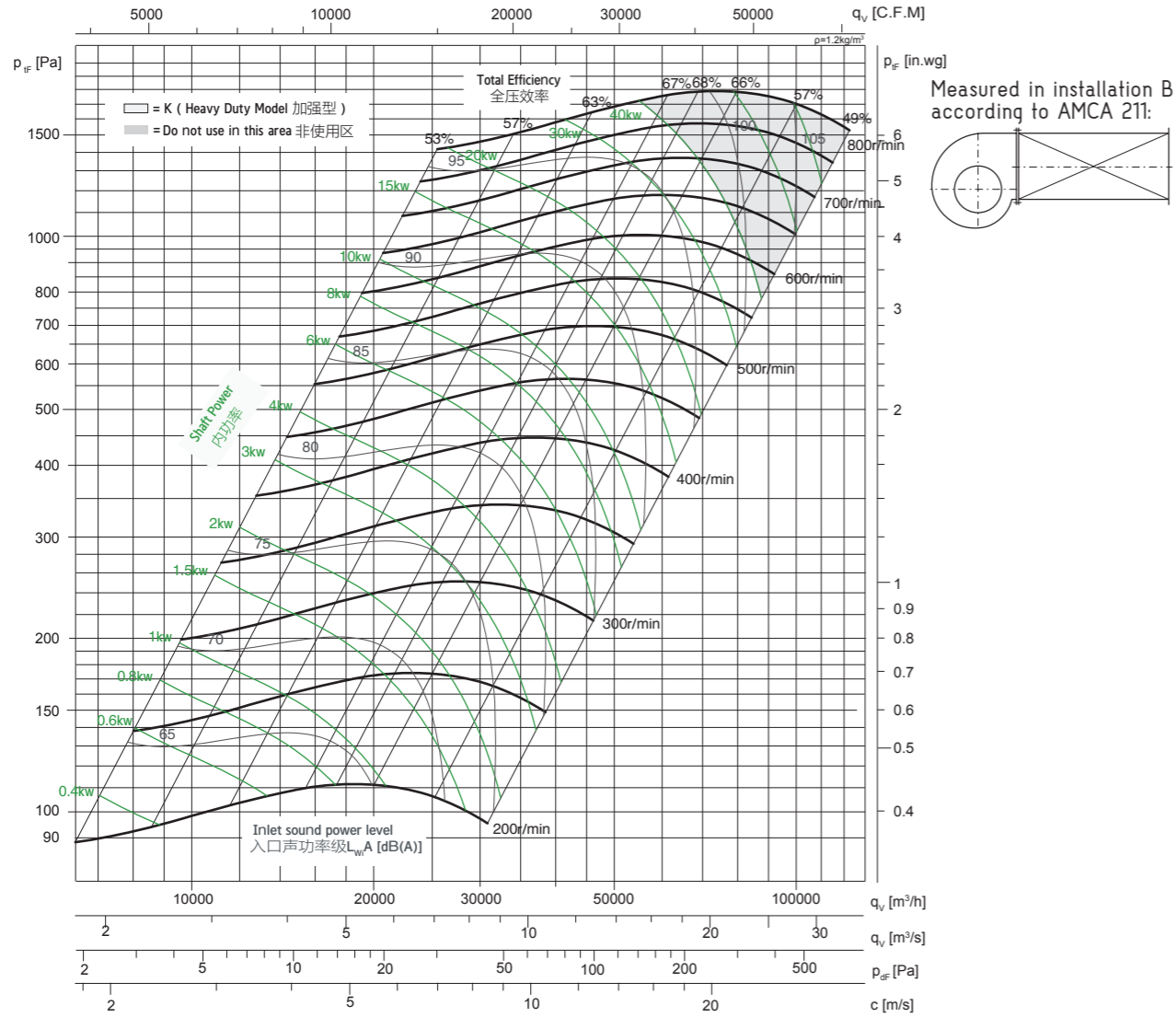
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-11	-7	-9	-7	-7	-9	-14	-19	dB
50	-10	-7	-9	-7	-8	-9	-13	-18	dB
62	-14	-7	-10	-7	-7	-8	-10	-17	dB
68	-17	-9	-12	-5	-8	-8	-10	-17	dB
66	-18	-10	-12	-5	-8	-8	-10	-17	dB
60	-20	-11	-14	-5	-7	-6	-9	-16	dB
53	-22	-12	-14	-6	-7	-6	-9	-16	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 800 mm	Fan weight 风机质量(不含电机)	m = 750 kg
Moment of inertia 转动惯量	J = 8.31 kg·m ²	Speed limit 极限转速	n _{max} = 800 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
53	-37	-29	-29	-26	-27	-28	-31	-37	dB
57	-38	-29	-29	-26	-27	-28	-31	-37	dB
63	-39	-29	-30	-26	-27	-28	-30	-37	dB
67	-43	-32	-32	-25	-27	-27	-29	-36	dB
68	-46	-35	-33	-24	-27	-27	-29	-36	dB
66	-47	-36	-34	-24	-27	-27	-29	-36	dB
57	-50	-32	-36	-25	-26	-26	-28	-35	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

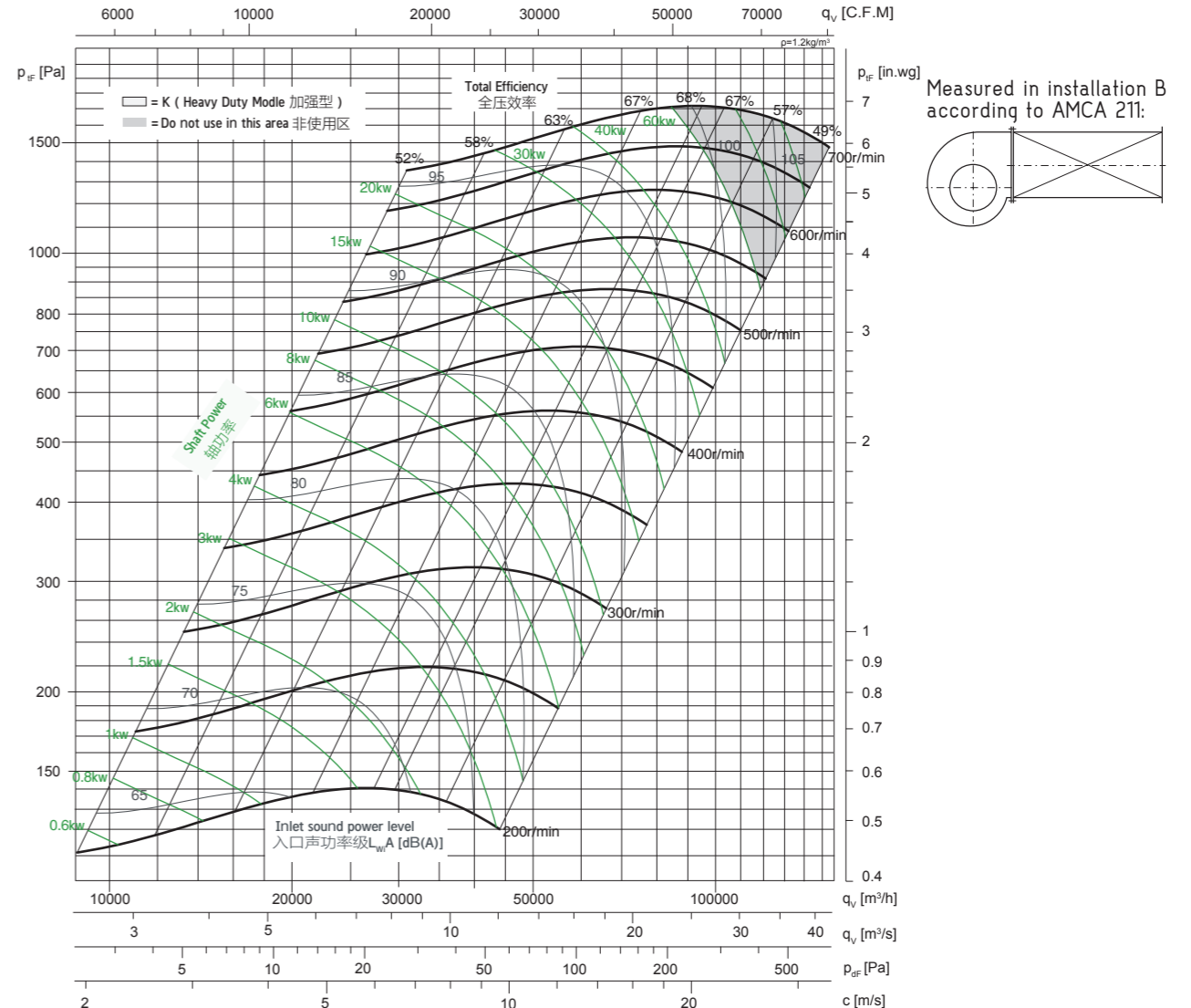
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
53	-12	-7	-9	-6	-8	-9	-12	-18	dB
57	-12	-7	-10	-6	-8	-9	-11	-18	dB
63	-14	-7	-10	-6	-7	-8	-10	-17	dB
67	-14	-7	-11	-6	-8	-9	-11	-18	dB
68	-17	-9	-12	-5	-8	-8	-10	-17	dB
66	-18	-10	-12	-5	-8	-8	-10	-17	dB
57	-21	-12	-14	-6	-7	-6	-9	-16	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 900 mm	Fan weight 风机质量(不含电机)	m = 985 kg
Moment of inertia 转动惯量	J = 12.7 kg·m ²	Speed limit 极限转速	n _{max} = 700 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
53	-36	-29	-29	-26	-27	-28	-32	-37	dB
57	-38	-29	-30	-26	-27	-28	-31	-37	dB
63	-39	-29	-30	-26	-27	-28	-30	-37	dB
67	-43	-32	-32	-25	-27	-27	-29	-36	dB
68	-46	-35	-33	-24	-27	-27	-29	-36	dB
66	-47	-36	-34	-24	-27	-27	-29	-36	dB
57	-5	-38	-36	-25	-26	-26	-28	-35	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

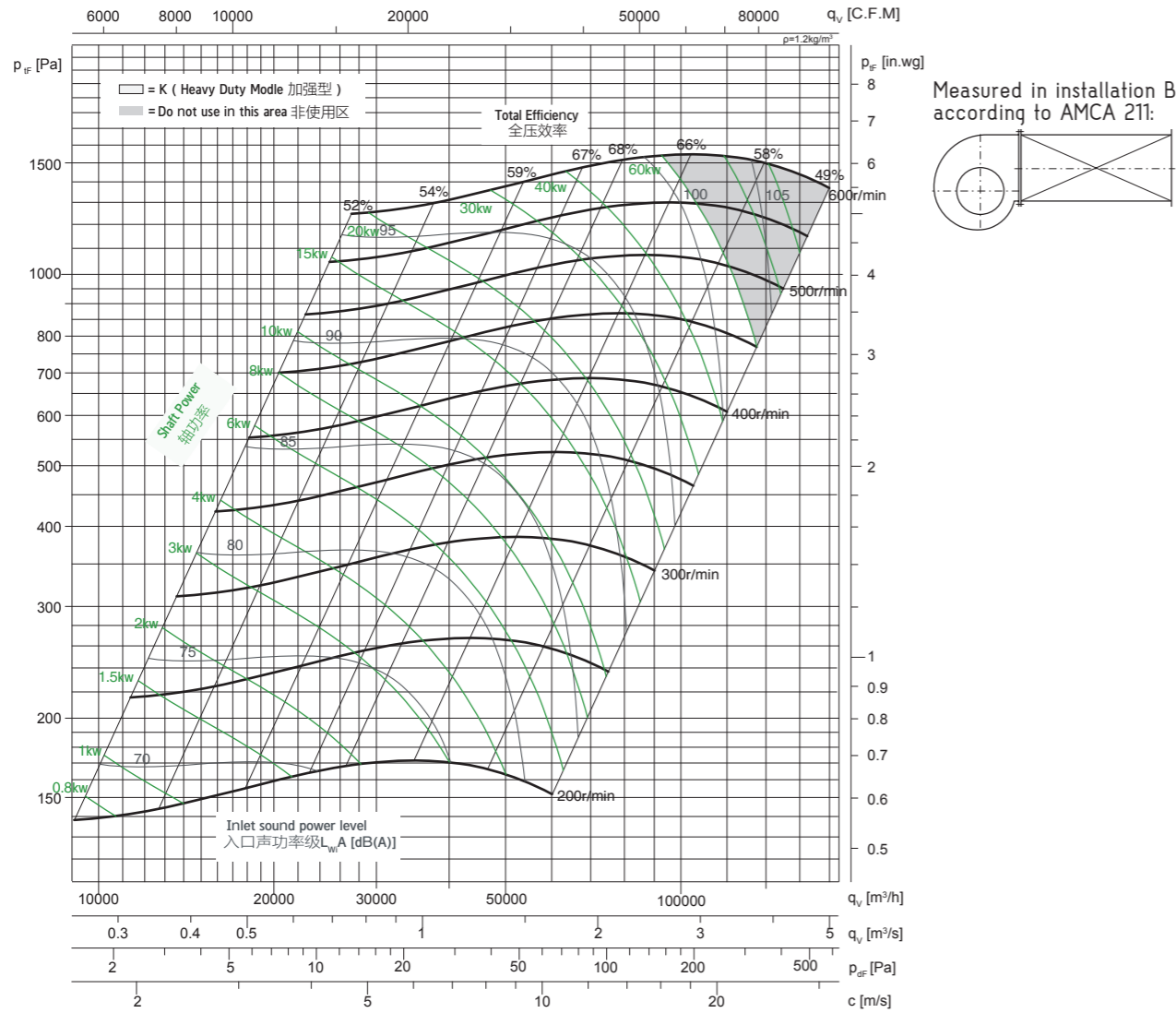
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
53	-11	-7	-9	-6	-8	-9	-12	-18	dB
57	-12	-7	-10	-6	-8	-9	-11	-18	dB
63	-14	-7	-10	-6	-7	-8	-10	-17	dB
67	-15	-8	-11	-5	-8	-8	-10	-17	dB
68	-17	-10	-10	-5	-8	-8	-10	-17	dB
66	-18	-10	-13	-5	-8	-8	-10	-17	dB
57	-21	-12	-14	-6	-7	-6	-9	-16	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 1000 mm	Fan weight 风机质量(不含电机)	m = 1150 kg
Moment of inertia 转动惯量	J = 18.9 kg·m ²	Speed limit 极限转速	n _{max} = 600 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
52	-36	-29	-29	-26	-27	-28	-32	-37	dB
54	-36	-29	-29	-26	-27	-28	-32	-37	dB
63	-38	-29	-30	-26	-27	-28	-31	-37	dB
67	-42	-32	-31	-25	-27	-27	-30	-36	dB
68	-46	-35	-33	-24	-27	-27	-29	-36	dB
66	-47	-36	-34	-24	-27	-27	-29	-36	dB
57	-50	-38	-36	-25	-26	-26	-28	-35	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

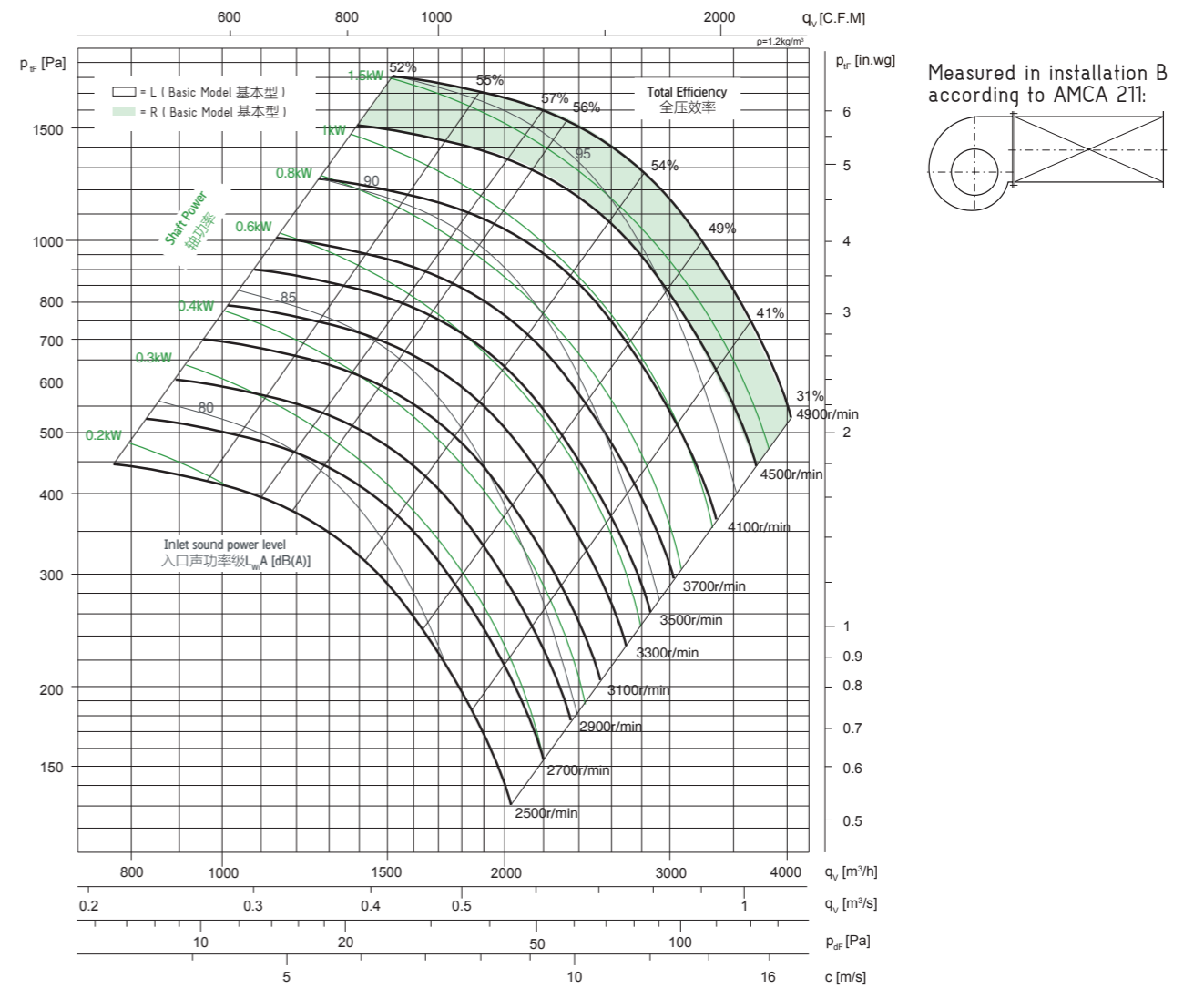
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
52	-11	-7	-9	-6	-8	-9	-12	-18	dB
54	-11	-7	-9	-7	-8	-9	-12	-18	dB
63	-13	-7	-10	-6	-8	-9	-11	-18	dB
67	-14	-8	-10	-5	-8	-8	-11	-17	dB
68	-17	-10	-10	-5	-8	-8	-10	-17	dB
66	-18	-10	-13	-5	-8	-8	-10	-17	dB
57	-21	-12	-14	-6	-6	-6	-9	-16	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 200 mm	Fan weight 风机质量(不含电机)	m = 57 kg
Moment of inertia 转动惯量	J = 0.006 kg·m ²	Speed limit 极限转速	n _{max} = 4900 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
52	-33	-33	-29	-26	-27	-27	-31	-34	dB
55	-32	-34	-28	-26	-27	-27	-31	-36	dB
57	-32	-33	-27	-26	-27	-28	-31	-37	dB
56	-33	-34	-29	-26	-26	-28	-31	-36	dB
54	-33	-34	-30	-26	-26	-28	-31	-36	dB
49	-32	-36	-30	-25	-27	-28	-30	-36	dB
41	-31	-37	-30	-25	-26	-28	-30	-37	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
52	-9	-11	-9	-6	-8	-8	-12	-15	dB
55	-9	-12	-8	-6	-8	-8	-12	-17	dB
57	-9	-11	-8	-6	-8	-9	-12	-17	dB
56	-9	-11	-8	-6	-7	-8	-12	-17	dB
54	-9	-11	-10	-6	-7	-9	-11	-17	dB
49	-8	-13	-10	-6	-7	-9	-11	-17	dB
41	-8	-15	-10	-6	-7	-8	-11	-18	dB

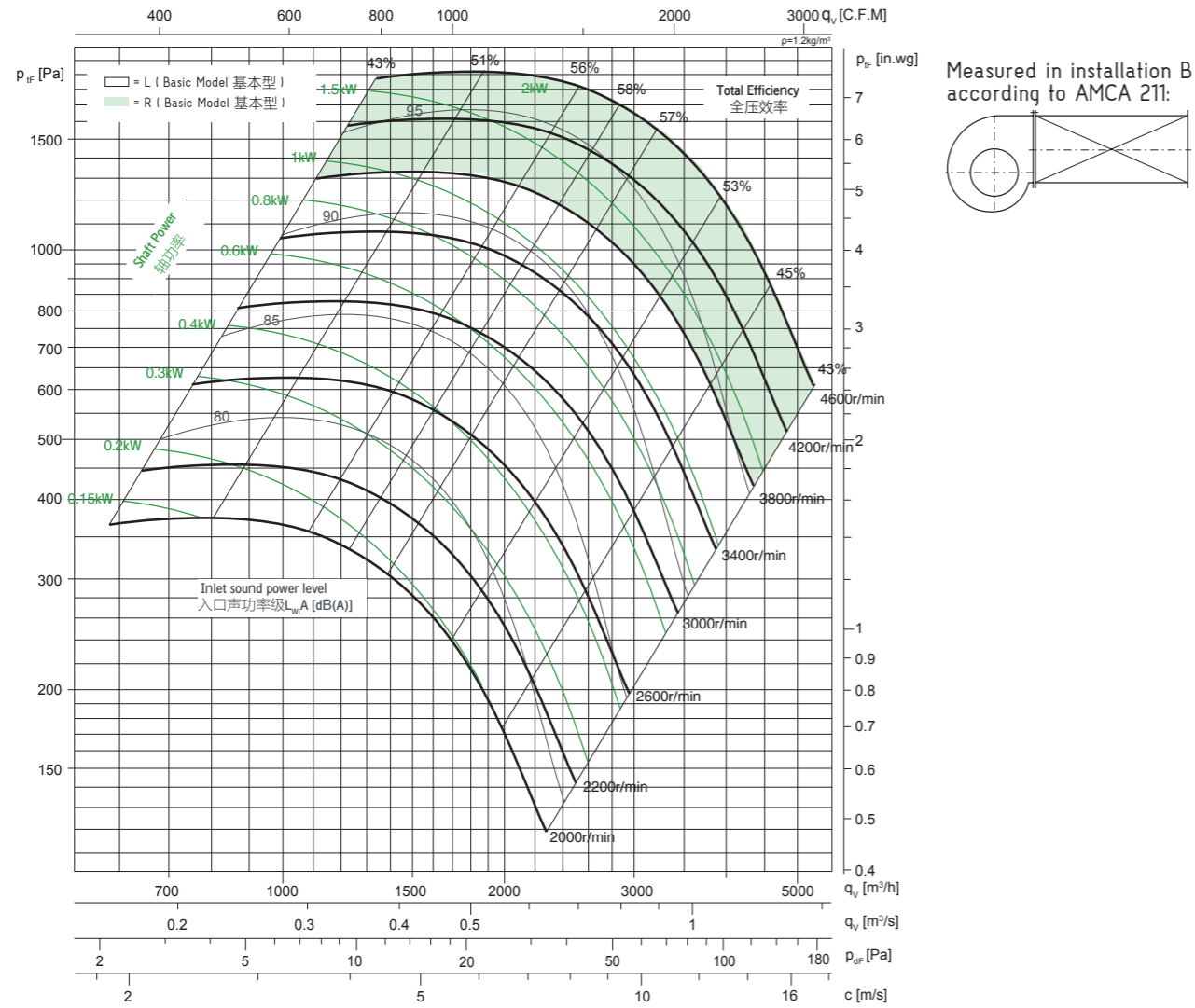
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 225 mm	Fan weight 风机质量(不含电机)	m = 62.5 kg
Moment of inertia 转动惯量	J = 0.012 kg·m ²	Speed limit 极限转速	n _{max} = 4600 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
43	-36	-36	-26	-25	-28	-30	-31	-31	dB
51	-33	-33	-29	-26	-27	-27	-31	-34	dB
56	-32	-34	-28	-26	-27	-27	-31	-40	dB
58	-32	-33	-27	-26	-27	-28	-31	-39	dB
57	-33	-34	-29	-26	-27	-28	-31	-36	dB
53	-32	-35	-30	-25	-26	-28	-30	-36	dB
45	-31	-37	-30	-25	-26	-28	-31	-37	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
43	-13	-14	-6	-5	-9	-10	-12	-12	dB
51	-10	-11	-9	-6	-8	-8	-12	-15	dB
56	-9	-12	-8	-6	-8	-8	-12	-20	dB
58	-9	-10	-7	-7	-8	-9	-12	-20	dB
57	-9	-11	-8	-6	-7	-8	-12	-17	dB
53	-8	-12	-10	-6	-7	-9	-11	-17	dB
45	-8	-15	-10	-6	-7	-8	-11	-18	dB

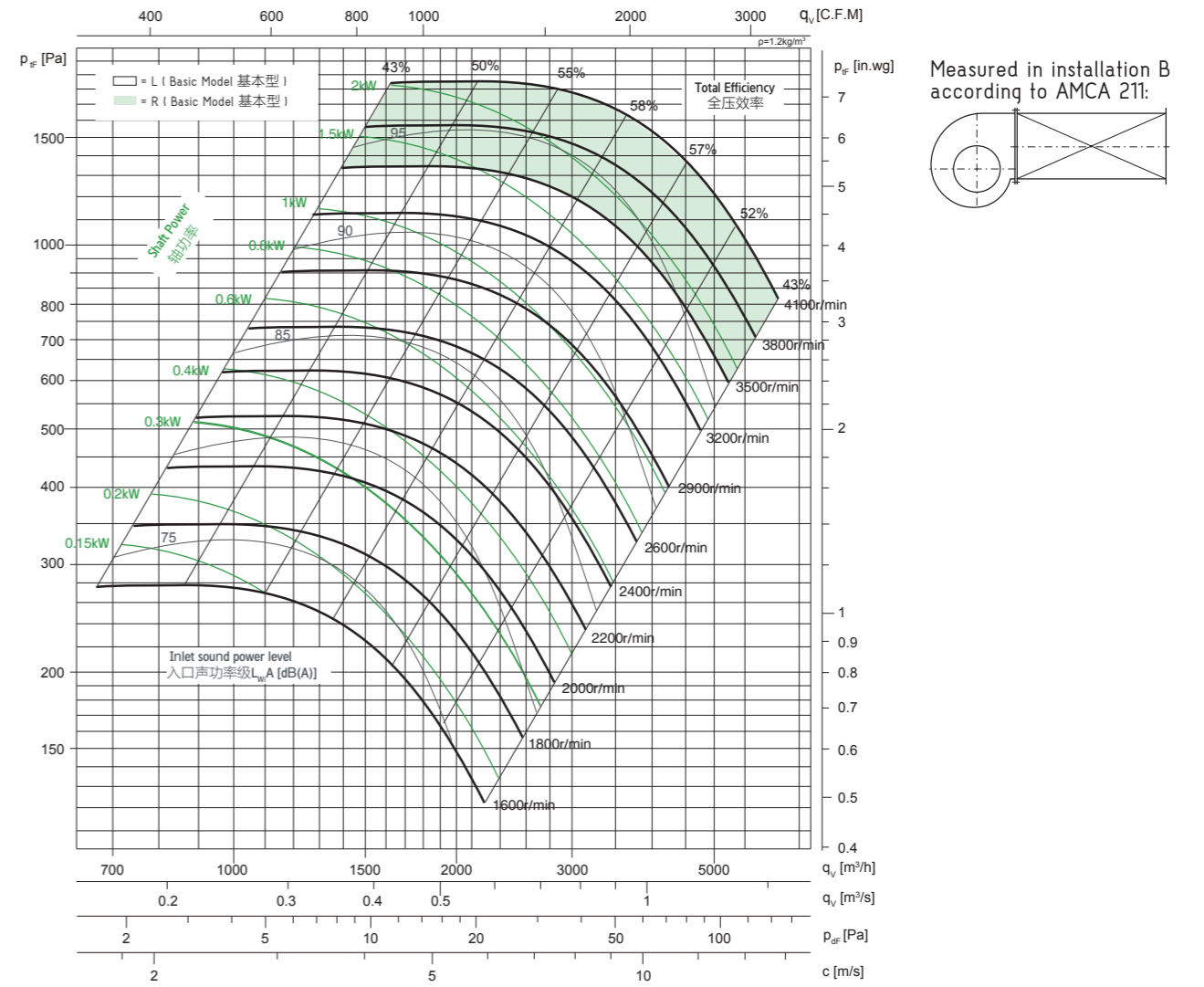
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 250 mm	Fan weight 风机质量(不含电机)	m = 70 kg
Moment of inertia 转动惯量	J = 0.044 kg·m ²	Speed limit 极限转速	n _{max} = 4100 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
43	-36	-36	-26	-25	-28	-30	-31	-31	dB
50	-33	-34	-28	-26	-27	-27	-31	-34	dB
55	-32	-33	-27	-26	-27	-28	-31	-37	dB
58	-32	-32	-27	-26	-27	-29	-31	-36	dB
57	-33	-34	-29	-26	-26	-28	-31	-36	dB
52	-32	-35	-30	-25	-27	-28	-30	-36	dB
43	-31	-37	-30	-25	-26	-28	-30	-37	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
43	-23	-11	-10	-5	-6	-8	-11	-21	dB
50	-24	-11	-11	-5	-5	-8	-11	-21	dB
55	-24	-11	-12	-5	-5	-8	-10	-21	dB
58	-23	-11	-12	-4	-6	-8	-11	-21	dB
57	-21	-11	-11	-5	-5	-9	-11	-21	dB
52	-21	-11	-13	-5	-5	-8	-11	-20	dB
43	-21	-12	-13	-5	-5	-8	-10	-20	dB

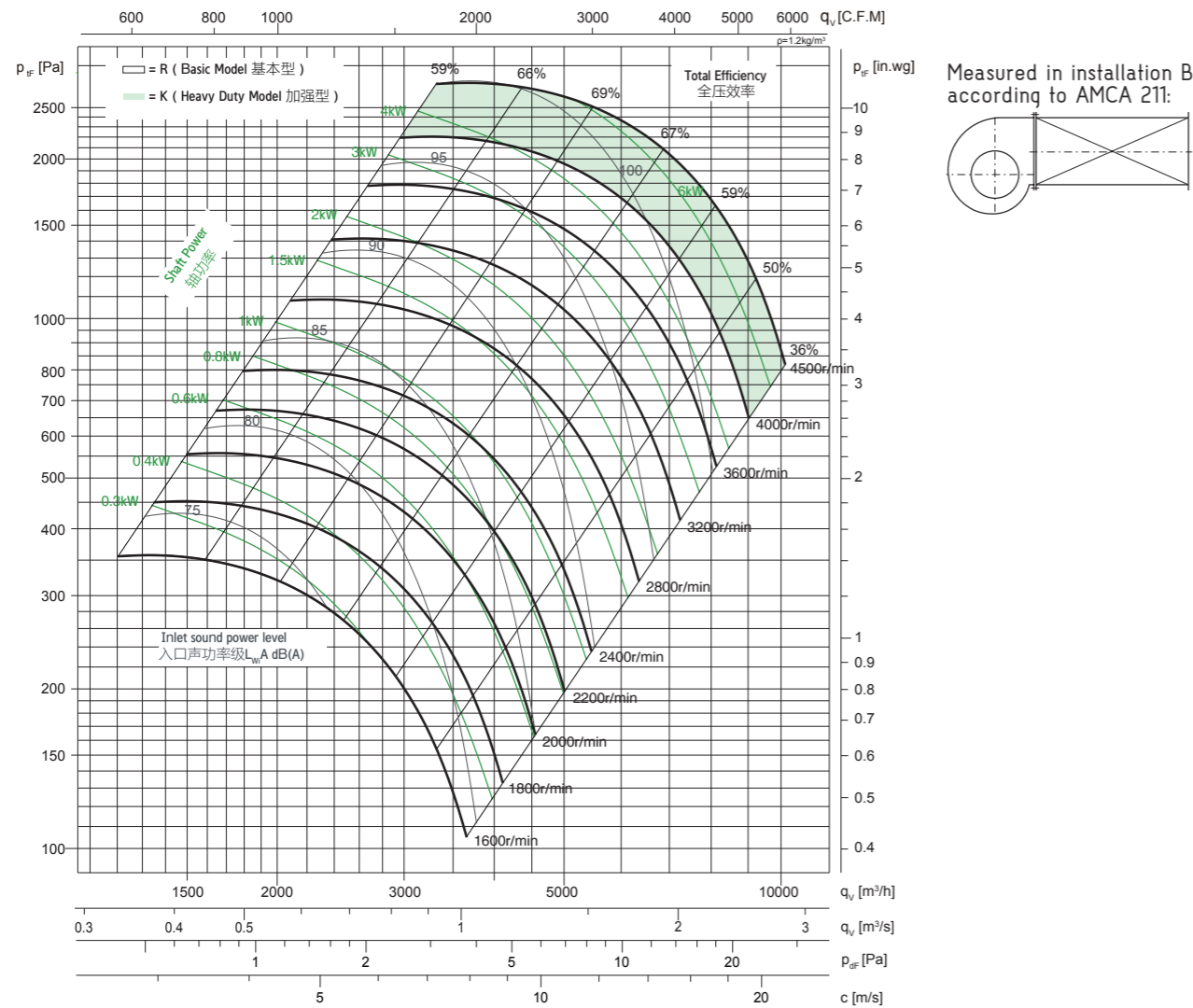
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 280 mm	Fan weight 风机质量(不含电机)	m = 100 kg
Moment of inertia 转动惯量	J = 0.069 kg m ²	Speed limit 极限转速	n _{max} = 4500 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and 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.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{WA})。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{WA}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{WA}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
59	-50	-34	-32	-25	-25	-27	-30	-40	dB
66	-51	-34	-33	-25	-25	-28	-30	-40	dB
69	-51	-34	-34	-25	-25	-28	-30	-40	dB
67	-51	-36	-35	-24	-25	-27	-30	-40	dB
59	-51	-37	-35	-25	-25	-28	-30	-40	dB
50	-51	-38	-35	-25	-25	-28	-30	-40	dB
36	-51	-39	-35	-25	-25	-28	-30	-40	dB

Relative A sound power level for outlet side L_{WA}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{WA}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
59	-23	-11	-10	-5	-6	-8	-11	-21	dB
66	-24	-11	-11	-5	-5	-8	-11	-21	dB
69	-24	-11	-12	-5	-5	-8	-10	-21	dB
67	-23	-11	-12	-4	-6	-8	-11	-21	dB
59	-21	-11	-11	-5	-5	-9	-11	-21	dB
50	-21	-11	-13	-5	-5	-8	-11	-20	dB
36	-21	-12	-13	-5	-5	-8	-10	-20	dB

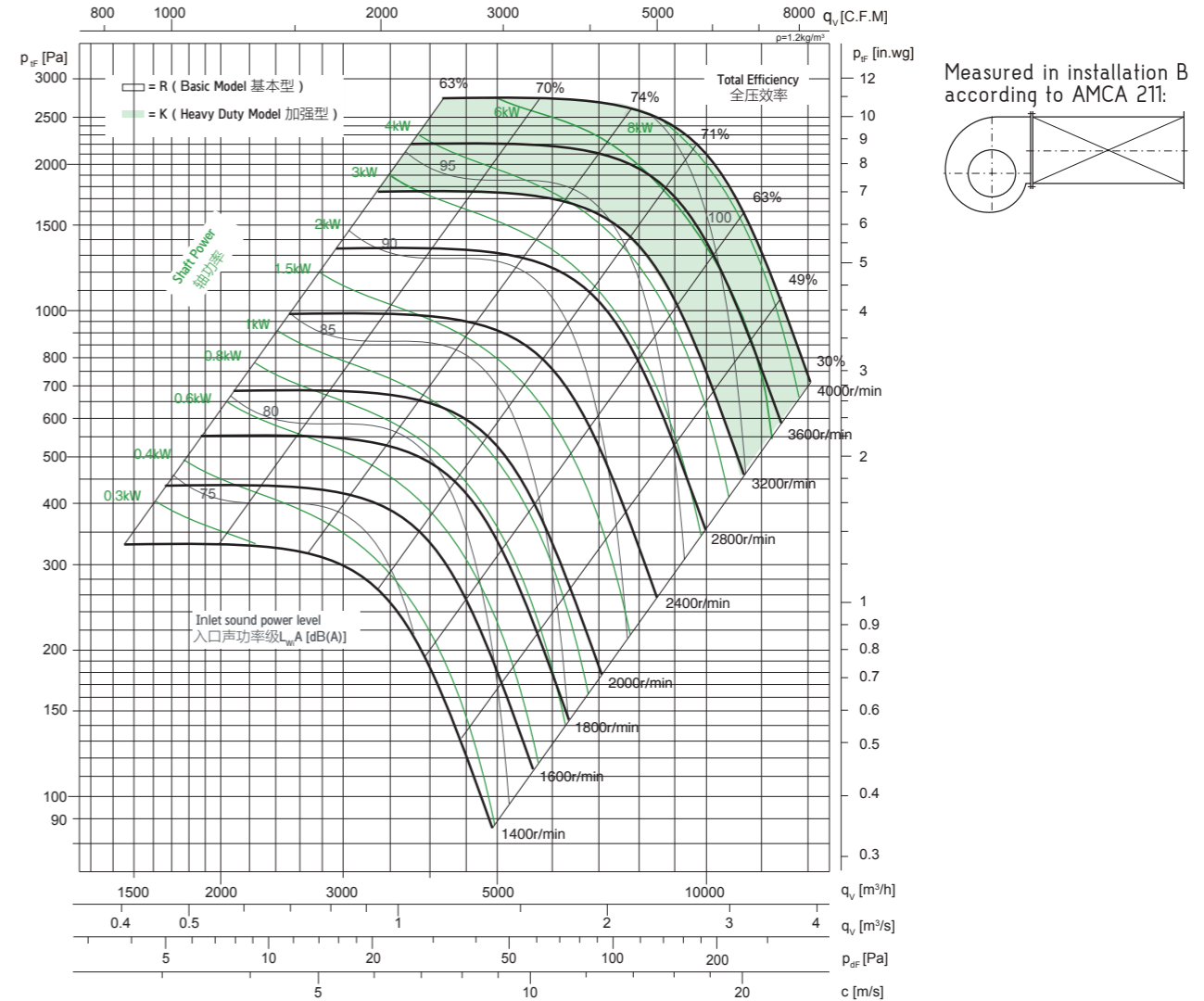
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 315 mm	Fan weight 风机质量(不含电机)	m = 142 kg
Moment of inertia 转动惯量	J = 0.11 kg m ²	Speed limit 极限转速	n _{max} = 4000 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and 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.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{WA})。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{WA}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{WA}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
63	-43	-37	-35	-22	-28	-30	-34	-41	dB
70	-44	-42	-40	-21	-30	-30	-34	-42	dB
74	-44	-43	-40	-22	-29	-29	-33	-41	dB
71	-45	-41	-39	-23	-27	-27	-31	-41	dB
63	-45	-42	-39	-23	-27	-27	-30	-40	dB
49	-48	-44	-41	-22	-28	-28	-32	-40	dB
30	-48	-43	-39	-23	-27	-27	-30	-38	dB

Relative A sound power level for outlet side L_{WA}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{WA}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
63	-16	-14	-13	-2	-9	-10	-14	-22	dB
70	-17	-19	-18	-1	-11	-11	-15	-23	dB
74	-17	-20	-18	-2	-9	-9	-14	-22	dB
71	-17	-16	-16	-3	-8	-8	-12	-21	dB
63	-15	-16	-14	-4	-7	-7	-11	-21	dB
49	-18	-17	-19	-2	-9	-9	-12	-21	dB
30	-18	-16	-17	-3	-8	-7	-11	-18	dB

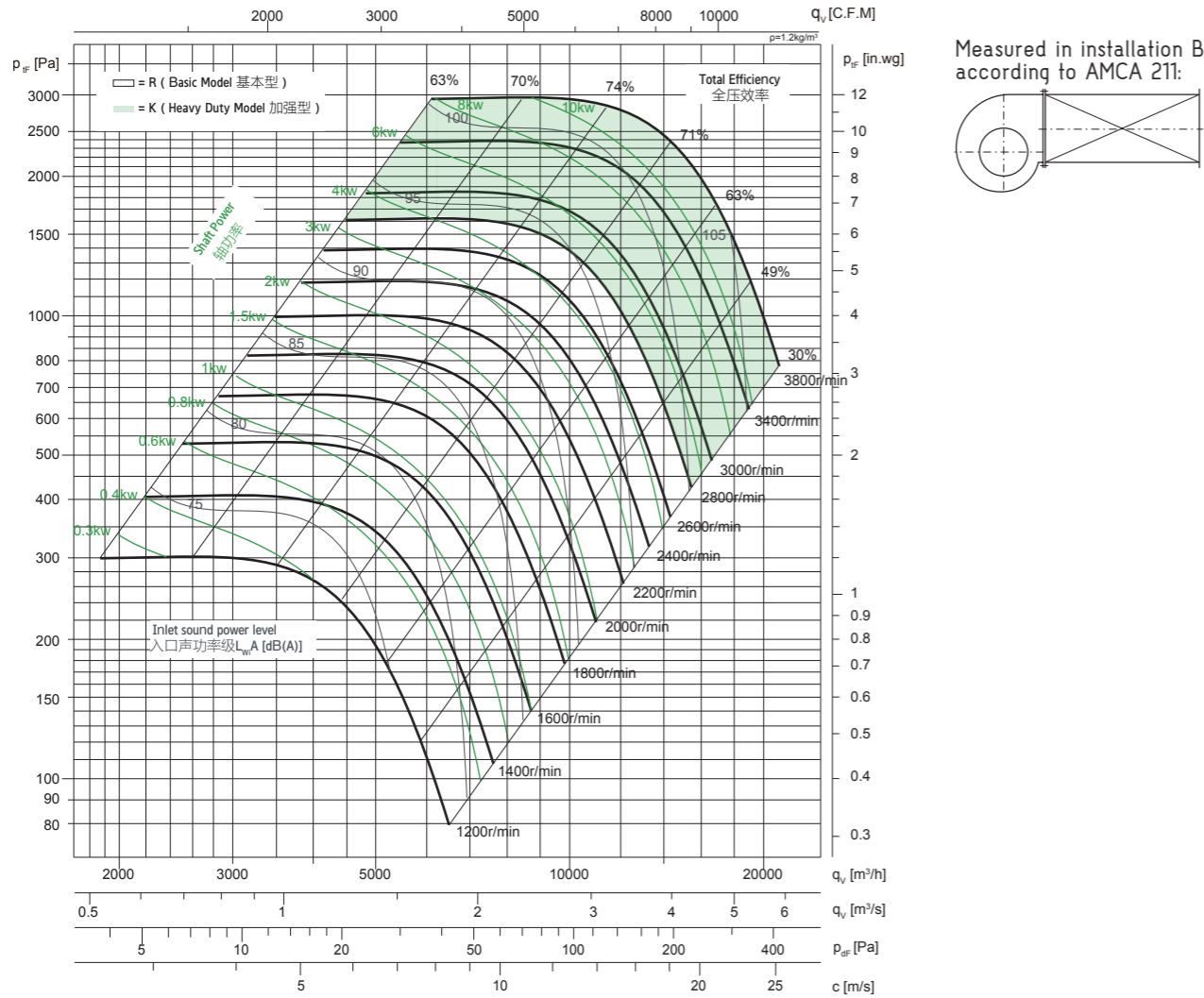
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 355 mm	Fan weight 风机质量(不含电机)	m = 173 kg
Moment of inertia 转动惯量	J = 0.2 kg m ²	Speed limit 极限转速	n _{max} = 3800 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
63	-43	-37	-35	-22	-28	-30	-34	-41	dB
70	-44	-42	-40	-21	-30	-30	-34	-42	dB
74	-44	-43	-40	-22	-29	-29	-33	-41	dB
71	-45	-41	-39	-23	-27	-27	-31	-41	dB
63	-45	-42	-39	-23	-7	-27	-30	-40	dB
49	-48	-44	-41	-22	-28	-28	-32	-40	dB
30	-48	-43	-39	-23	-27	-27	-30	-38	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
63	-16	-14	-13	-2	-9	-10	-14	-22	dB
70	-17	-19	-18	-1	-11	-11	-15	-23	dB
74	-17	-20	-18	-2	-9	-9	-14	-22	dB
71	-17	-16	-16	-3	-8	-8	-12	-21	dB
63	-15	-16	-14	-4	-7	-7	-11	-21	dB
49	-18	-17	-19	-2	-9	-9	-12	-21	dB
30	-18	-16	-17	-3	-8	-7	-11	-18	dB

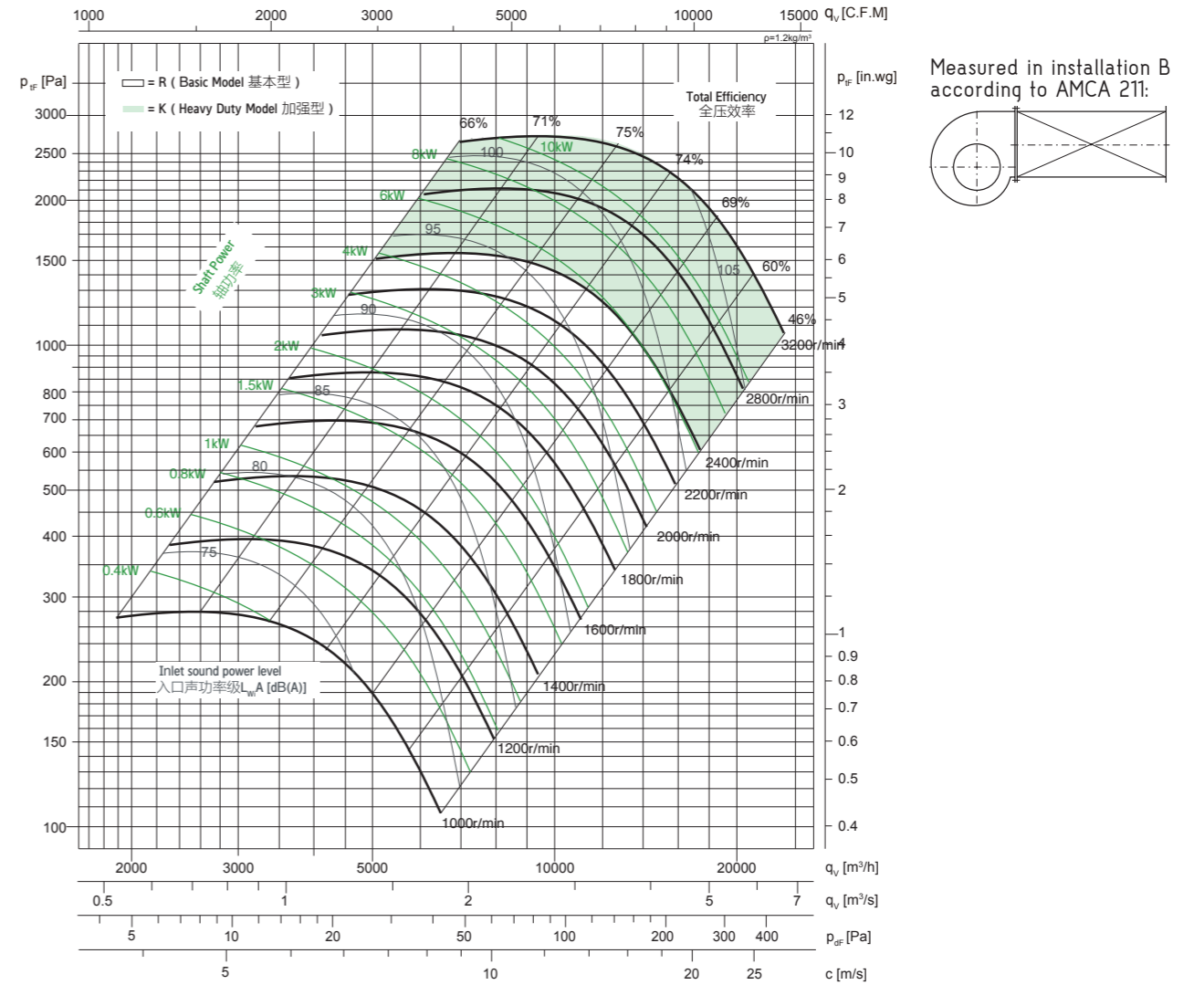
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 400 mm	Fan weight 风机质量(不含电机)	m = 210 kg
Moment of inertia 转动惯量	J = 0.34 kg m ²	Speed limit 极限转速	n _{max} = 3200 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
66	-43	-36	-31	-23	-28	-29	-32	-39	dB
71	-45	-38	-33	-22	-28	-29	-33	-39	dB
75	-52	-44	-39	-22	-27	-29	-34	-41	dB
74	-53	-45	-40	-22	-27	-29	-34	-42	dB
69	-53	-45	-40	-22	-27	-28	-33	-42	dB
60	-55	-46	-41	-22	-29	-29	-34	-43	dB
46	-54	-44	-40	-22	-28	-28	-32	-40	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
66	-16	-13	-9	-3	-8	-10	-13	-19	dB
71	-18	-15	-11	-2	-8	-10	-14	-20	dB
75	-25	-21	-17	-2	-8	-10	-14	-21	dB
74	-25	-19	-17	-2	-7	-9	-14	-23	dB
69	-23	-18	-15	-2	-7	-9	-14	-23	dB
60	-25	-19	-19	-2	-9	-10	-15	-23	dB
46	-24	-17	-17	-2	-8	-9	-13	-20	dB

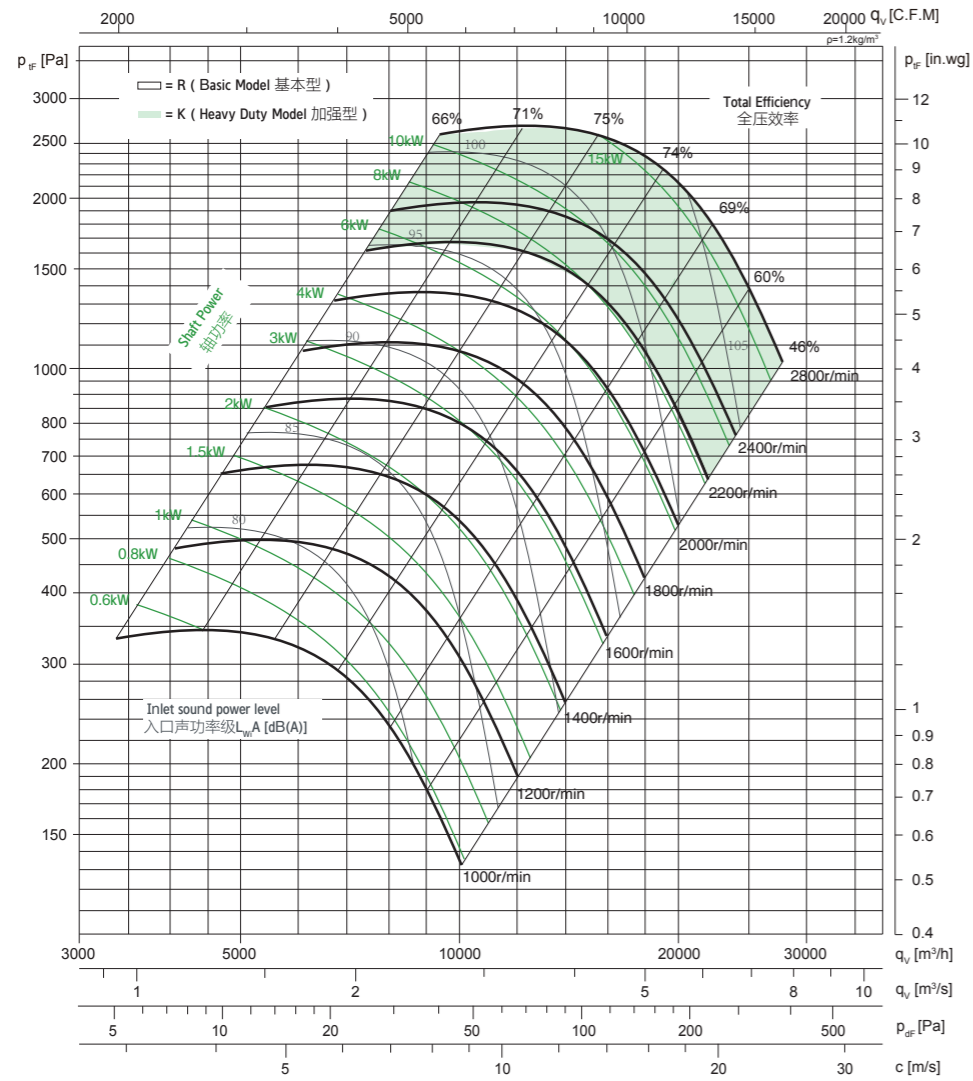
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 450 mm	Fan weight 风机质量(不含电机)	m = 268 kg
Moment of inertia 转动惯量	J = 0.51 kg·m ²	Speed limit 极限转速	n _{max} = 2800 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and 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.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{WA})。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{WA}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{WA}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
66	-43	-36	-31	-23	-28	-29	-32	-39	dB
71	-45	-38	-33	-22	-28	-29	-33	-39	dB
75	-52	-44	-39	-22	-27	-29	-34	-41	dB
74	-53	-45	-40	-22	-27	-29	-34	-42	dB
69	-53	-45	-40	-22	-27	-28	-33	-42	dB
60	-55	-46	-41	-22	-29	-29	-34	-43	dB
46	-54	-44	-40	-22	-28	-28	-32	-40	dB

Relative A sound power level for outlet side L_{WB}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{WB}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
66	-16	-13	-9	-3	-8	-10	-13	-19	dB
71	-18	-15	-11	-2	-8	-10	-14	-20	dB
75	-25	-21	-17	-2	-8	-10	-14	-21	dB
74	-25	-19	-17	-2	-7	-9	-14	-23	dB
69	-23	-18	-15	-2	-7	-9	-14	-23	dB
60	-25	-19	-19	-2	-9	-10	-15	-23	dB
46	-24	-17	-17	-2	-8	-9	-13	-20	dB

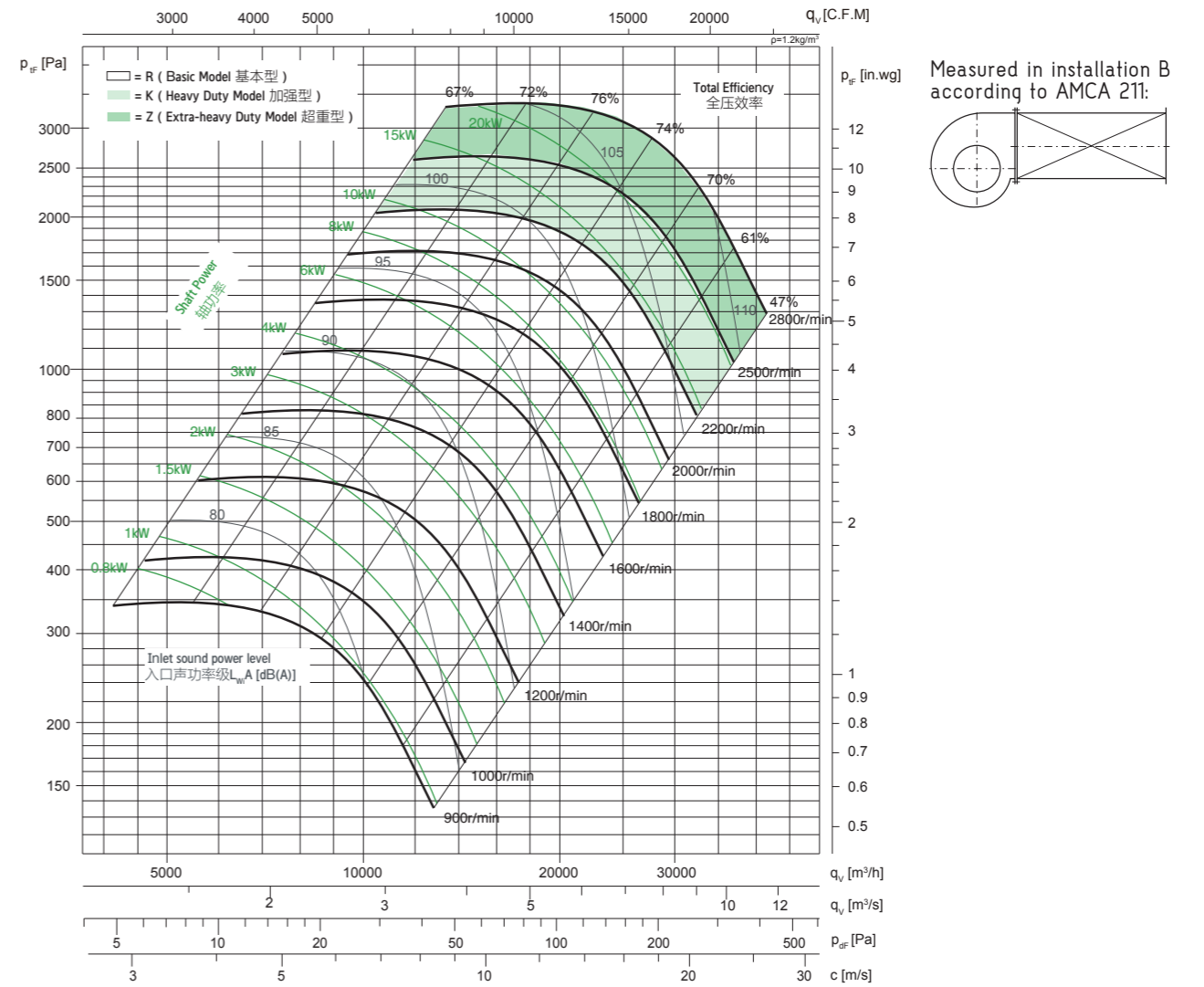
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 500 mm	Fan weight 风机质量(不含电机)	m = 305 kg
Moment of inertia 转动惯量	J = 0.88 kg·m ²	Speed limit 极限转速	n _{max} = 2800 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and 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.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{WA})。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{WA}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{WA}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
66	-43	-36	-31	-23	-28	-29	-32	-39	dB
71	-45	-38	-33	-22	-28	-29	-33	-39	dB
75	-52	-44	-39	-22	-27	-29	-34	-41	dB
74	-53	-45	-40	-22	-27	-29	-34	-42	dB
69	-53	-45	-40	-22	-27	-28	-33	-42	dB
60	-55	-46	-41	-22	-29	-29	-34	-43	dB
46	-54	-44	-40	-22	-28	-28	-32	-40	dB

Relative A sound power level for outlet side L_{WB}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{WB}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
66	-16	-13	-9	-3	-8	-10	-13	-19	dB
71	-18	-15	-11	-2	-8	-10	-14	-20	dB
75	-25	-21	-17	-2	-8	-10	-14	-21	dB
74	-25	-19	-17	-2	-7	-9	-14	-23	dB
69	-23	-18	-15	-2	-7	-9	-14	-23	dB
60	-25	-19	-19	-2	-9	-10	-15	-23	dB
46	-24	-17	-17	-2	-8	-9	-13	-20	dB

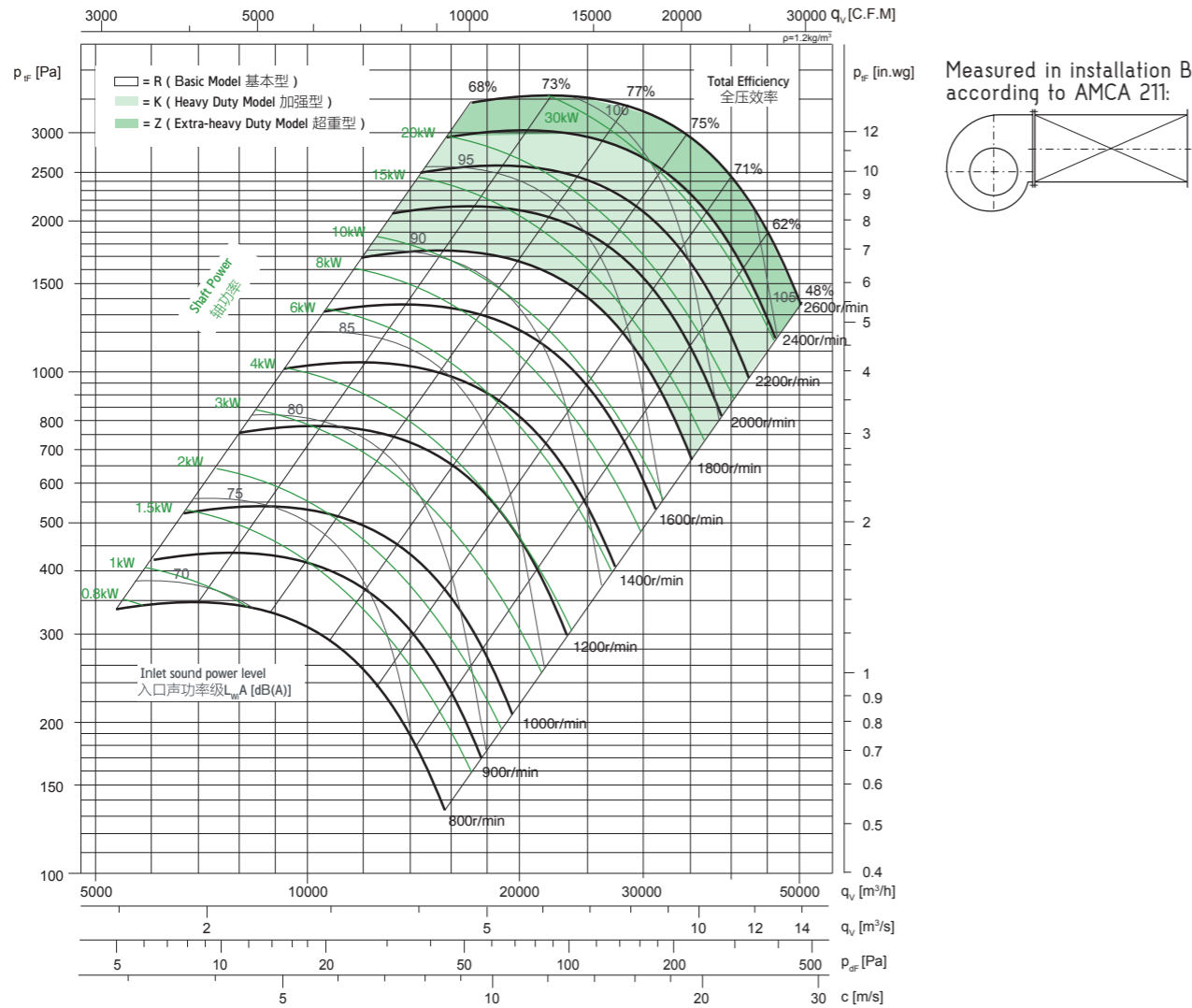
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 560 mm	Fan weight 风机质量(不含电机)	m = 435 kg
Moment of inertia 转动惯量	J = 1.42 kg·m ²	Speed limit 极限转速	n _{max} = 2600 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meter from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
66	-43	-36	-31	-23	-28	-29	-32	-39	dB
71	-45	-38	-33	-22	-28	-29	-33	-39	dB
75	-52	-44	-39	-22	-27	-29	-34	-41	dB
74	-53	-45	-40	-22	-27	-29	-34	-42	dB
69	-53	-45	-40	-22	-27	-28	-33	-42	dB
60	-55	-46	-41	-22	-29	-29	-34	-43	dB
46	-54	-44	-40	-22	-28	-28	-32	-40	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
66	-16	-13	-9	-3	-8	-10	-13	-19	dB
71	-18	-15	-11	-2	-8	-10	-14	-20	dB
75	-25	-21	-17	-2	-8	-10	-14	-21	dB
74	-25	-19	-17	-2	-7	-9	-14	-23	dB
69	-23	-18	-15	-2	-7	-9	-14	-23	dB
60	-25	-19	-19	-2	-9	-10	-15	-23	dB
46	-24	-17	-17	-2	-8	-9	-13	-20	dB

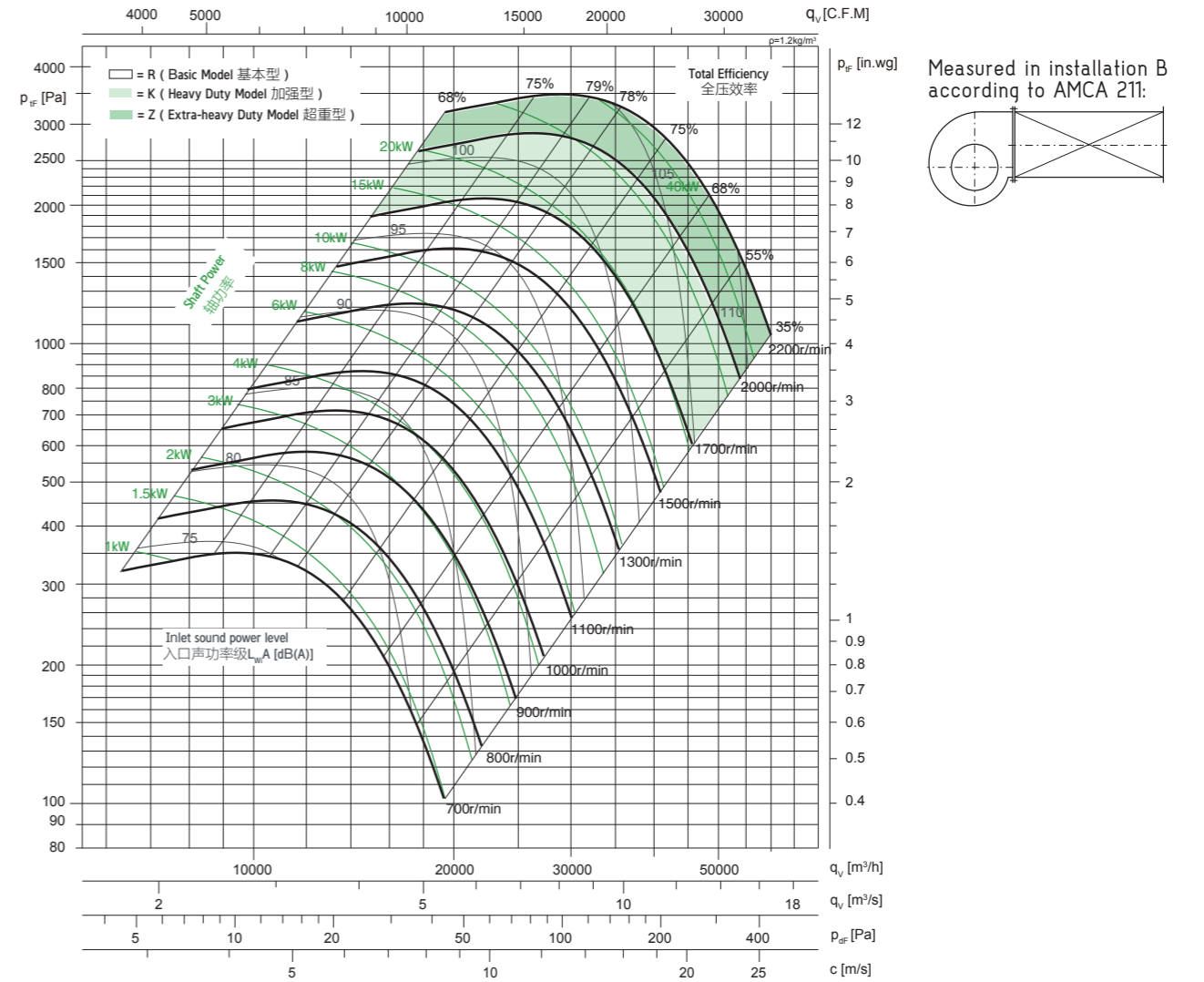
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 630 mm	Fan weight 风机质量(不含电机)	m = 480 kg
Moment of inertia 转动惯量	J = 2.32 kg·m ²	Speed limit 极限转速	n _{max} = 2200 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meter from the cabinet L_{wlm}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wlm}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
68	-49	-42	-25	-28	-25	-28	-35	-43	dB
75	-48	-42	-25	-27	-25	-28	-35	-43	dB
79	-48	-42	-25	-27	-25	-28	-35	-43	dB
78	-48	-43	-25	-27	-25	-28	-36	-45	dB
75	-48	-42	-25	-27	-25	-28	-35	-45	dB
68	-49	-42	-26	-27	-25	-27	-33	-44	dB
55	-49	-42	-26	-28	-25	-27	-31	-42	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
68	-24	-21	-4	-8	-6	-9	-16	-24	dB
75	-23	-21	-4	-7	-6	-8	-16	-24	dB
79	-23	-21	-5	-8	-5	-8	-16	-24	dB
78	-23	-21	-4	-7	-6	-9	-17	-26	dB
75	-23	-20	-4	-8	-6	-8	-16	-26	dB
68	-22	-18	-5	-8	-5	-8	-14	-24	dB
55	-22	-19	-5	-8	-6	-8	-12	-23	dB

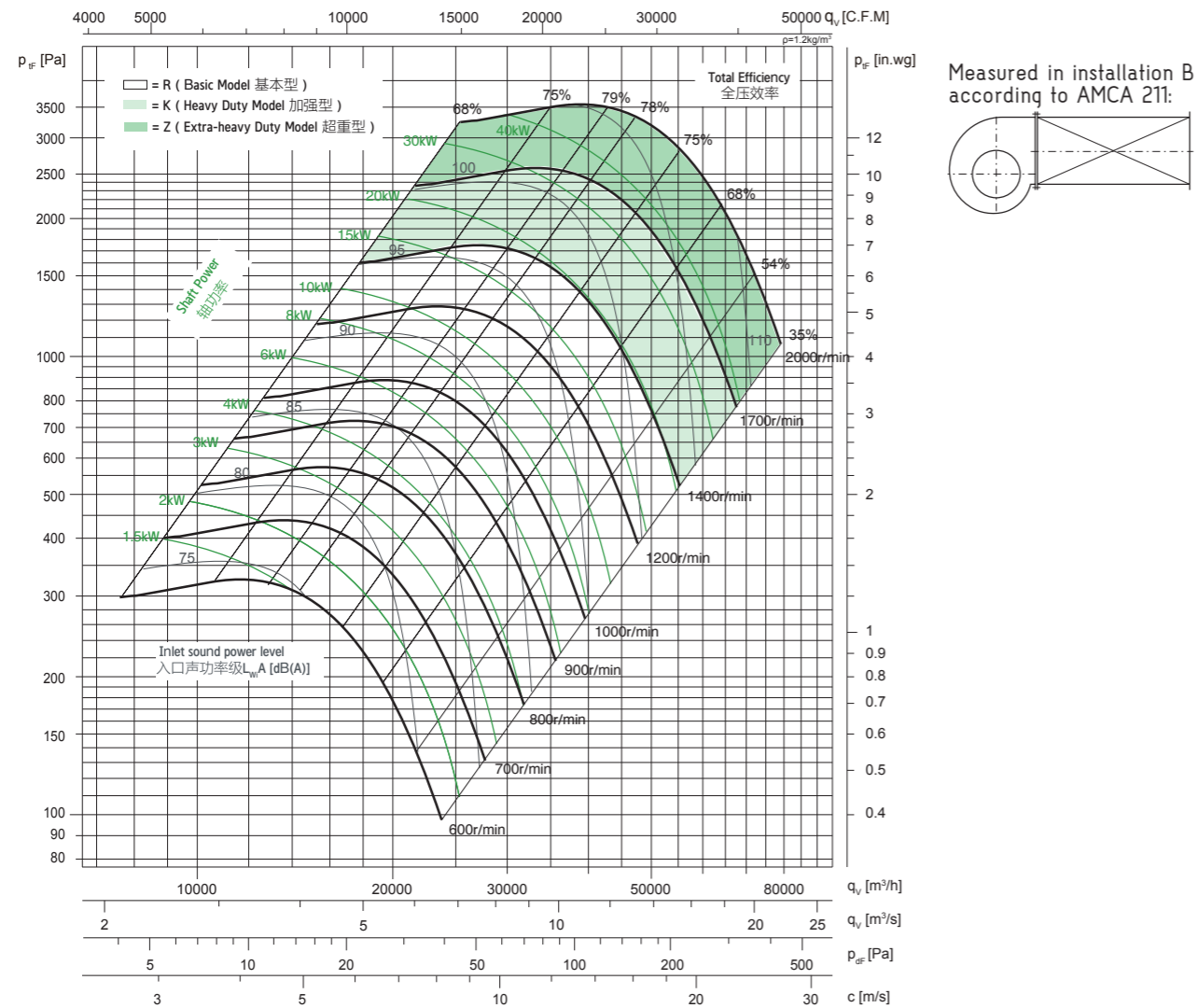
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 710 mm	Fan weight 风机质量(不含电机)	m = 670 kg
Moment of inertia 转动惯量	J = 4.75 kg·m ²	Speed limit 极限转速	n _{max} = 2000 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
68	-49	-42	-25	-28	-25	-28	-35	-43	dB
75	-48	-22	-25	-27	-25	-28	-35	-43	dB
79	-48	-42	-25	-27	-25	-28	-35	-43	dB
78	-48	-43	-25	-27	-25	-28	-36	-45	dB
75	-48	-42	-25	-27	-25	-28	-35	-45	dB
68	-49	-21	-26	-27	-25	-27	-33	-44	dB
55	-49	-42	-26	-28	-25	-27	-31	-42	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
68	-24	-21	-4	-8	-6	-9	-16	-24	dB
75	-23	-21	-4	-7	-6	-8	-16	-24	dB
79	-23	-21	-5	-8	-5	-8	-16	-24	dB
78	-23	-21	-4	-7	-6	-9	-17	-26	dB
75	-23	-20	-4	-8	-6	-8	-16	-26	dB
68	-22	-18	-5	-8	-5	-8	-14	-24	dB
55	-22	-19	-5	-8	-6	-8	-12	-23	dB

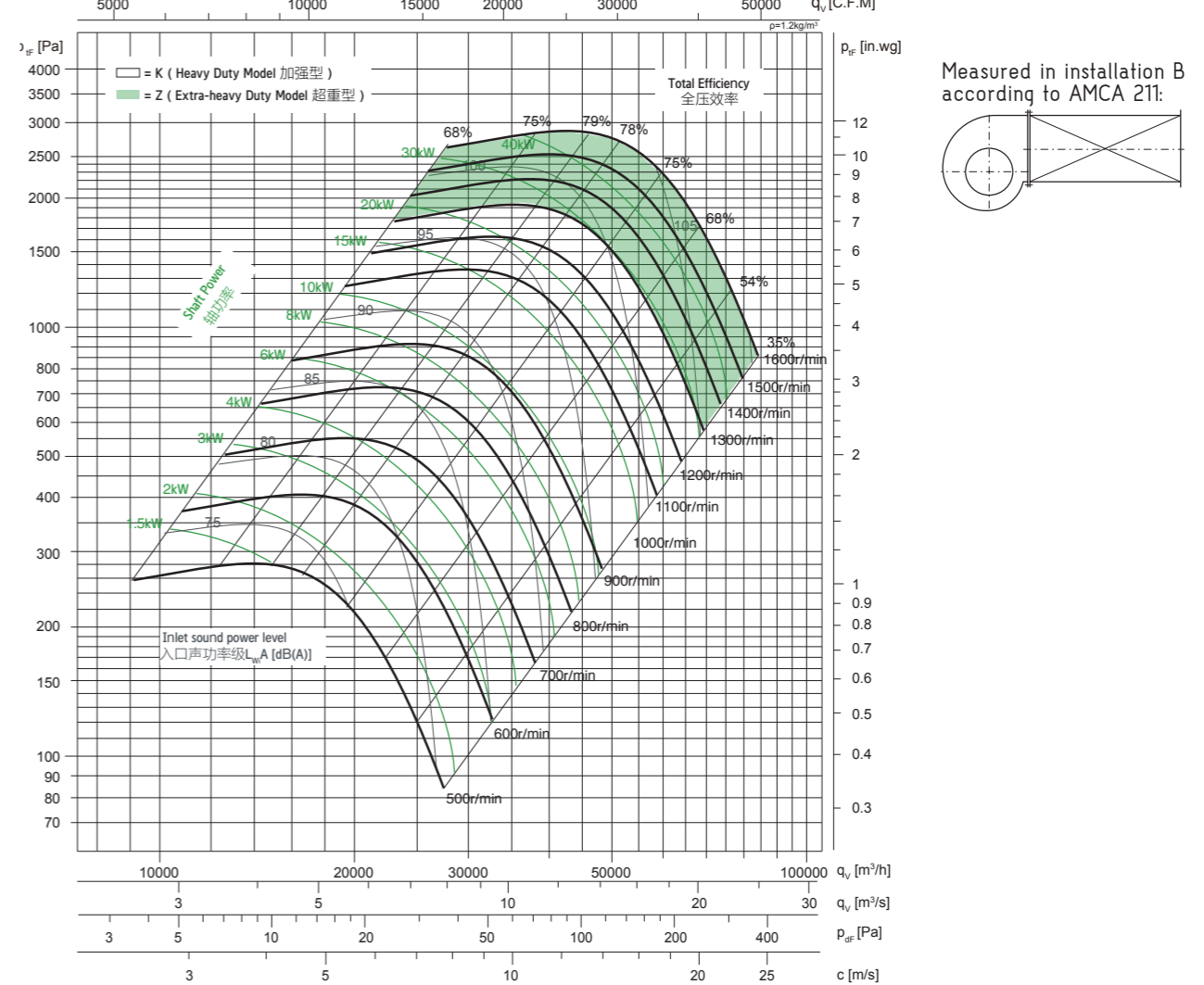
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 800 mm	Fan weight 风机质量(不含电机)	m = 750 kg
Moment of inertia 转动惯量	J = 9.25 kg·m ²	Speed limit 极限转速	n _{max} = 1600 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
68	-49	-42	-25	-28	-25	-28	-35	-43	dB
75	-48	-22	-25	-27	-25	-28	-35	-43	dB
79	-48	-42	-25	-27	-25	-28	-35	-43	dB
78	-48	-43	-25	-27	-25	-28	-36	-45	dB
75	-48	-42	-25	-27	-25	-28	-35	-45	dB
68	-49	-21	-26	-27	-25	-27	-33	-44	dB
55	-49	-42	-26	-28	-25	-27	-31	-42	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
68	-24	-21	-4	-8	-6	-9	-16	-24	dB
75	-23	-21	-4	-7	-6	-8	-16	-24	dB
79	-23	-21	-5	-8	-5	-8	-16	-24	dB
78	-23	-21	-4	-7	-6	-9	-17	-26	dB
75	-23	-20	-4	-8	-6	-8	-16	-26	dB
68	-22	-18	-5	-8	-5	-8	-14	-24	dB
55	-22	-19	-5	-8	-6	-8	-12	-23	dB

箱式风机系列

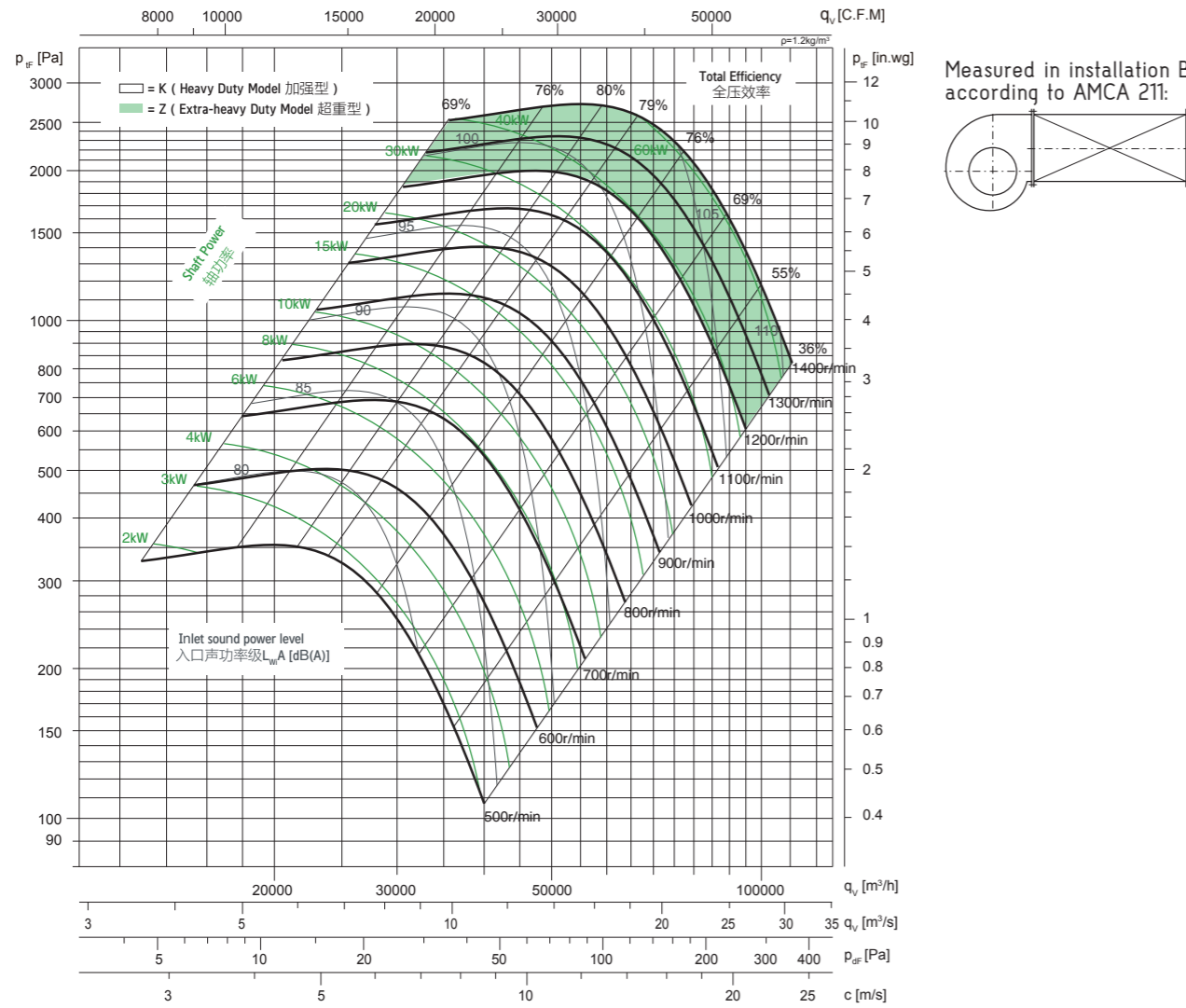
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 900 mm	Fan weight 风机质量(不含电机)	m = 985 kg
Moment of inertia 转动惯量	J = 13.8 kg·m ²	Speed limit 极限转速	n _{max} = 1400 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wi}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wi}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
68	-49	-42	-25	-28	-25	-28	-35	-43	dB
75	-48	-22	-25	-27	-25	-28	-35	-43	dB
79	-48	-22	-25	-27	-25	-28	-35	-43	dB
78	-48	-43	-25	-27	-25	-28	-36	-45	dB
75	-48	-22	-25	-27	-25	-28	-35	-45	dB
68	-49	-41	-26	-27	-25	-27	-33	-44	dB
55	-49	-42	-26	-28	-25	-27	-31	-42	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
68	-24	-21	-4	-8	-6	-9	-16	-24	dB
75	-23	-21	-4	-7	-6	-8	-16	-24	dB
79	-23	-21	-5	-8	-5	-8	-16	-24	dB
78	-23	-21	-4	-7	-6	-9	-17	-26	dB
75	-23	-20	-4	-8	-6	-8	-16	-26	dB
68	-22	-18	-5	-8	-5	-8	-14	-24	dB
55	-22	-19	-5	-8	-6	-8	-12	-23	dB

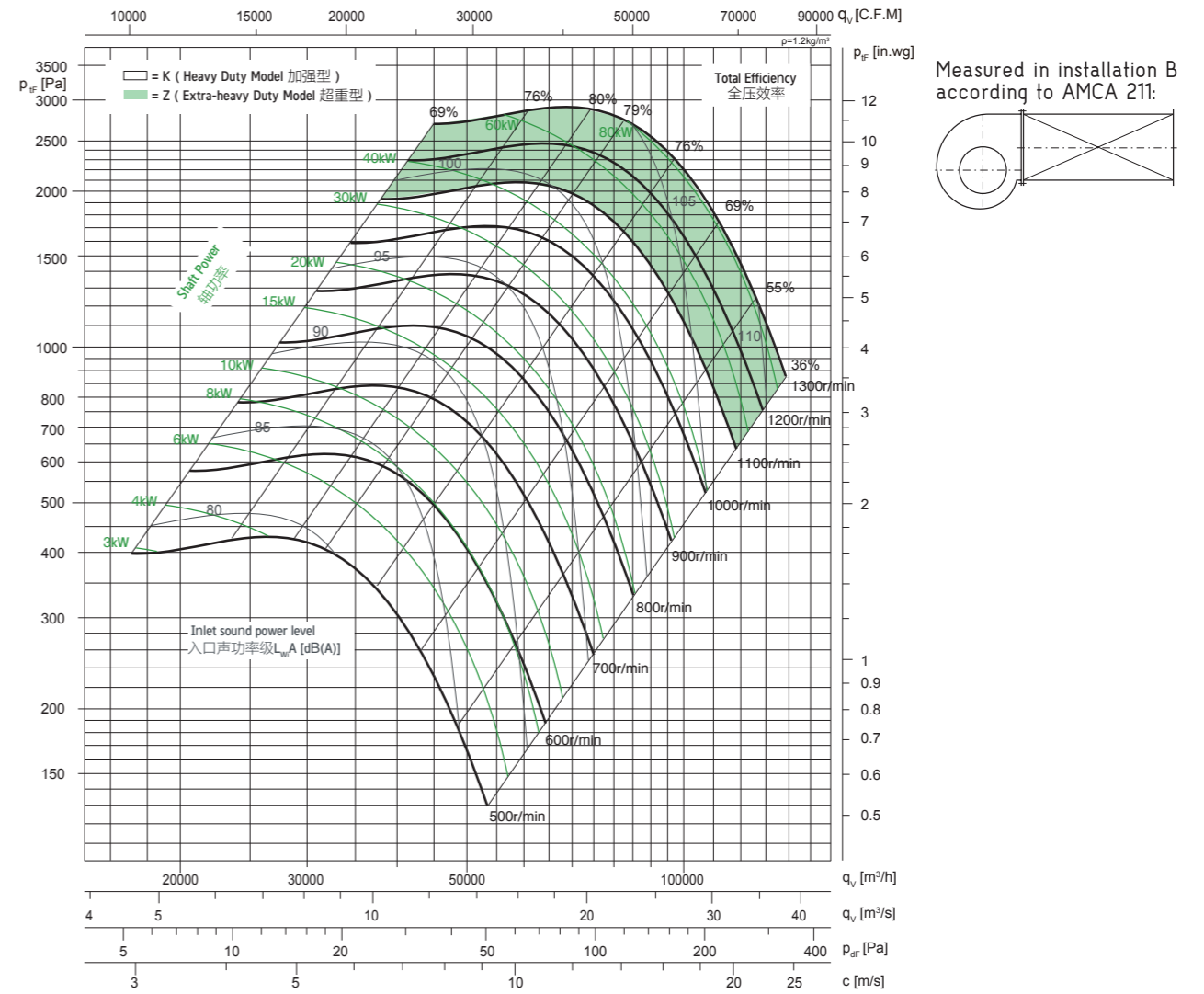
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 1000 mm	Fan weight 风机质量(不含电机)	m = 1150 kg
Moment of inertia 转动惯量	J = 24.8 kg·m ²	Speed limit 极限转速	n _{max} = 1300 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet L_{wi}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(入口 L_{wi}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{wi}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{wi}(A)

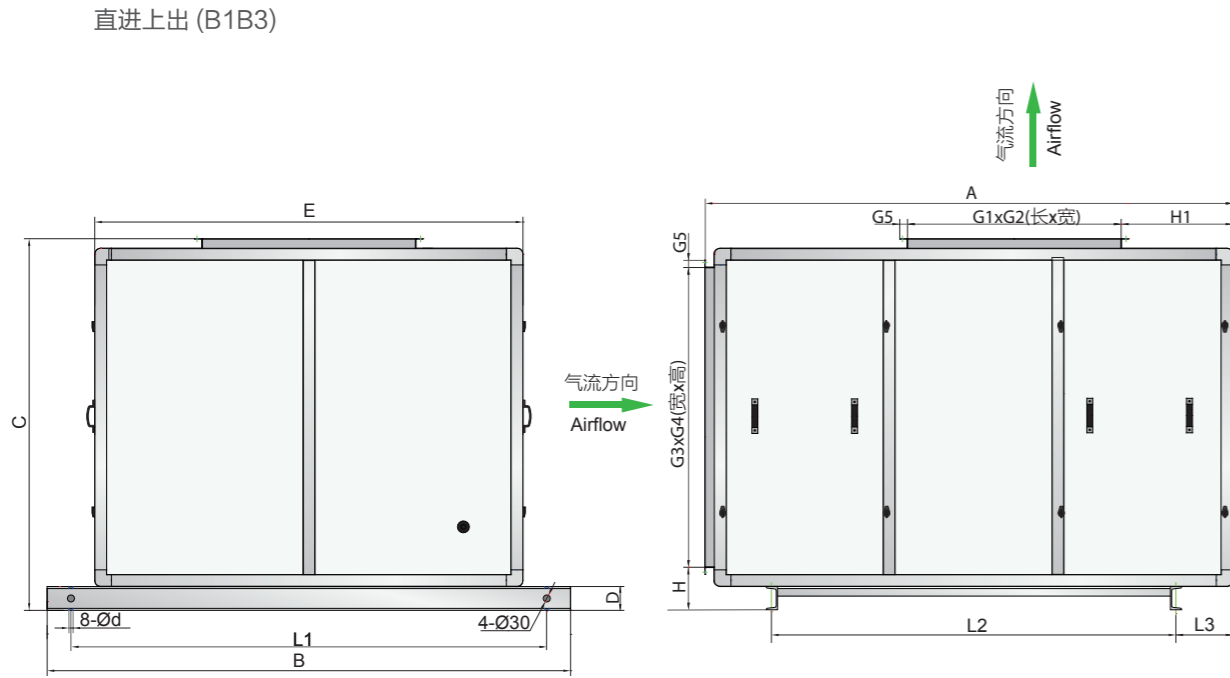
Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
68	-49	-42	-25	-28	-25	-28	-35	-43	dB
75	-48	-22	-25	-27	-25	-28	-35	-43	dB
79	-48	-22	-25	-27	-25	-28	-35	-43	dB
78	-48	-43	-25	-27	-25	-28	-36	-45	dB
75	-48	-22	-25	-27	-25	-28	-35	-45	dB
68	-49	-41	-26	-27	-25	-27	-33	-44	dB
55	-49	-42	-26	-28	-25	-27	-31	-42	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
68	-24	-21	-4	-8	-6	-9	-16	-24	dB
75	-23	-21	-4	-7	-6	-8	-16	-24	dB
79	-23	-21	-5	-8	-5	-8	-16	-24	dB
78	-23	-21	-4	-7	-6	-9	-17	-26	dB
75	-23	-20	-4	-8	-6	-8	-16	-26	dB
68	-22	-18	-5	-8	-5	-8	-14	-24	dB
55	-22	-19	-5	-8	-6	-8	-12	-23	dB

直进上出 (B1B3)

CB-D/Q(B) Series Fan Overall Dimension

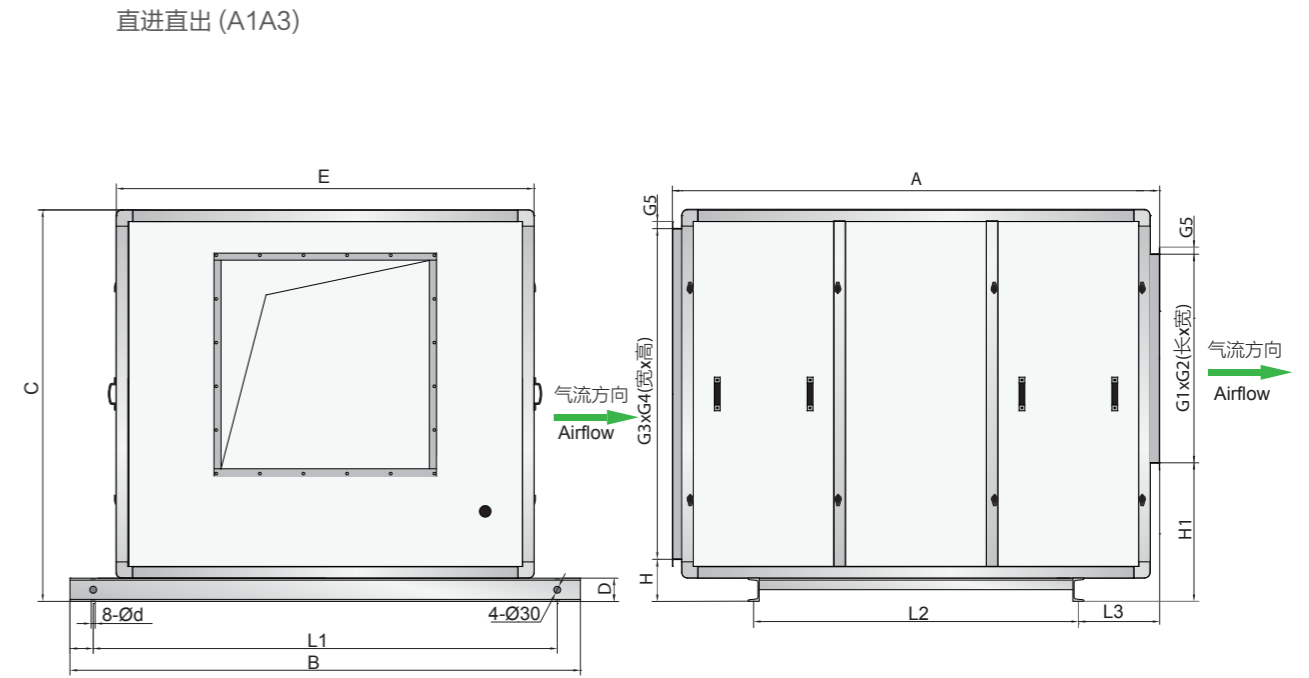


单位: mm

尺寸 型号	A	B	C	D	E	H	H1	G1	G2	G3	G4	G5	L1	L2	L3	d
CB200	1020	780	480	50	580	122	179	256	256	437	247	30	700	735	142	18
CB225	1020	880	520	50	680	122	194	288	288	537	287	30	800	710	166	18
CB250	1020	930	560	50	730	122	204	322	322	587	327	30	850	685	188	18
CB280	1240	980	620	63	780	135	220	361	361	637	374	30	900	910	187	18
CB315	1240	1080	670	63	880	135	241	404	404	737	424	30	1000	880	219	18
CB355	1240	1180	730	63	980	135	263	453	453	837	484	30	1100	880	217	18
CB400	1520	1280	800	63	1080	135	292	507	507	937	554	30	1200	1115	259	18
CB450	1520	1480	880	63	1280	135	391	569	569	1137	634	30	1400	1090	287	18
CB500	1740	1580	950	63	1380	135	343	638	638	1237	704	30	1500	1335	262	18
CB560	1740	1730	1045	63	1530	135	372	715	715	1387	799	30	1650	1285	315	18
CB630	1965	1830	1170	80	1630	152	415	801	801	1487	907	30	1750	1440	380	18
CB710	2210	1950	1290	80	1750	162	474	898	898	1587	1007	30	1870	1620	413	18
CB800	2210	2150	1420	80	1950	162	530	1007	1007	1787	1137	30	2070	1580	455	18
CB900	2430	2350	1575	80	2150	162	583	1130	1130	1987	1292	30	2270	1760	498	18
CB1000	2710	2600	1710	80	2400	162	608	1267	1267	2237	1427	30	2520	2005	529	18

直进直出 (A1A3)

CB-D/Q(B) Series Fan Overall Dimension



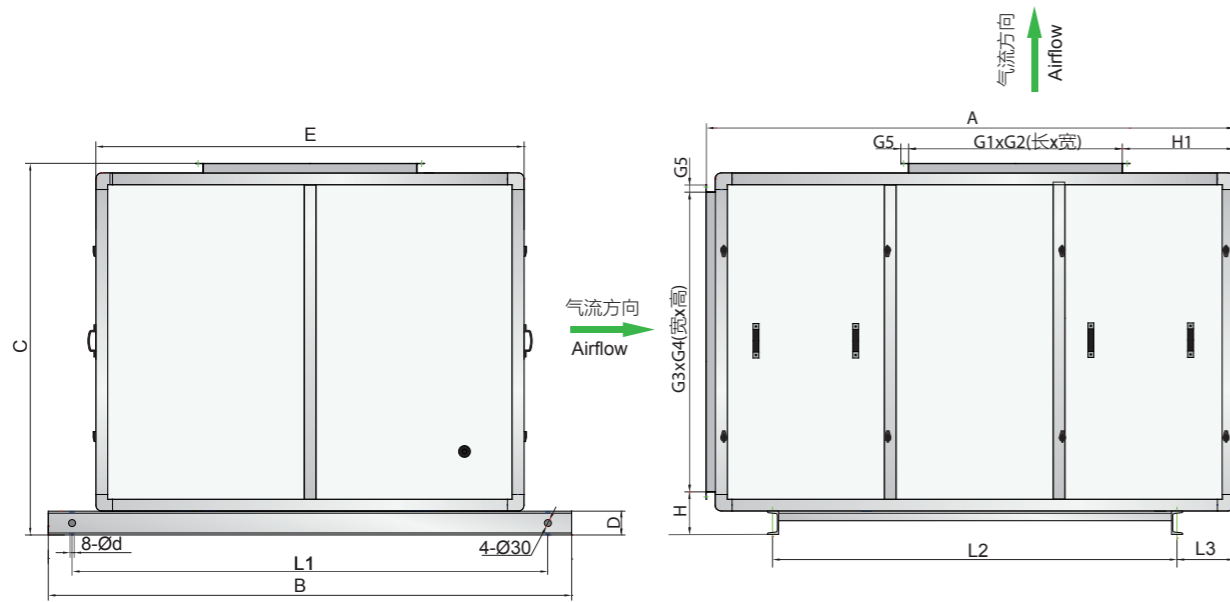
单位: mm

尺寸 型号	A	B	C	D	E	H	H1	G1	G2	G3	G4	G5	L1	L2	L3	d
CB200	835	780	530	50	580	122	196	256	256	437	339	30	700	550	140	18
CB225	1060	880	580	50	680	122	210	288	288	537	384	30	800	760	155	18
CB250	1060	930	625	50	730	122	221	322	322	587	430	30	850	740	175	18
CB280	1060	980	695	63	780	135	251	361	361	637	487	30	900	745	170	18
CB315	1280	1080	755	63	880	135	270	404	404	737	547	30	1000	940	200	18
CB355	1280	1180	830	63	980	135	295	453	453	837	624	30	1100	955	185	18
CB400	1280	1280	925	63	1080	135	323	507	507	937	718	30	1200	915	225	18
CB450	1335	1480	1015	63	1280	135	352	569	569	1137	809	30	1400	1020	175	18
CB500	1560	1580	1105	63	1380	135	374	638	638	1237	900	30	1500	1195	220	18
CB560	1560	1730	1220	63	1530	135	406	715	715	1387	1012	30	1650	1150	265	18
CB630	1780	1830	1360	80	1630	152	465	801	801	1487	1139	30	1750	1320	320	18
CB710	2025	1950	1510	80	1750	162	514	898	898	1587	1265	30	1870	1515	335	18
CB800	2025	2150	1675	80	1950	162	570	1007	1007	1787	1430	30	2070	1485	365	18
CB900	2245	2350	1840	80	2150	162	625	1130	1130	1987	1597	30	2270	1665	410	18
CB1000	2525	2600	2000	80	2400	162	650	1267	1267	2237	1759	30	2520	1935	420	18

CB-D/Q系列箱式风机外形尺寸

CB-D/Q Series Fan Overall Dimension

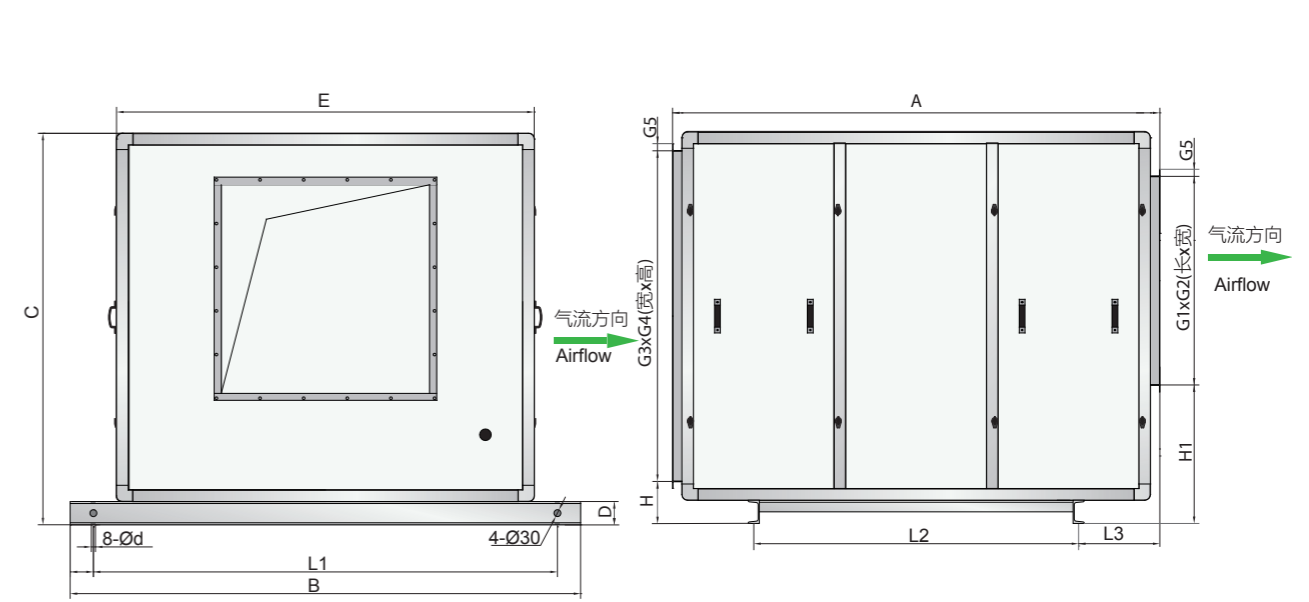
直进上出 (B1B3)



CB-D/Q系列箱式风机外形尺寸

CB-D/Q Series Fan Overall Dimension

直进直出 (A1A3)



单位: mm

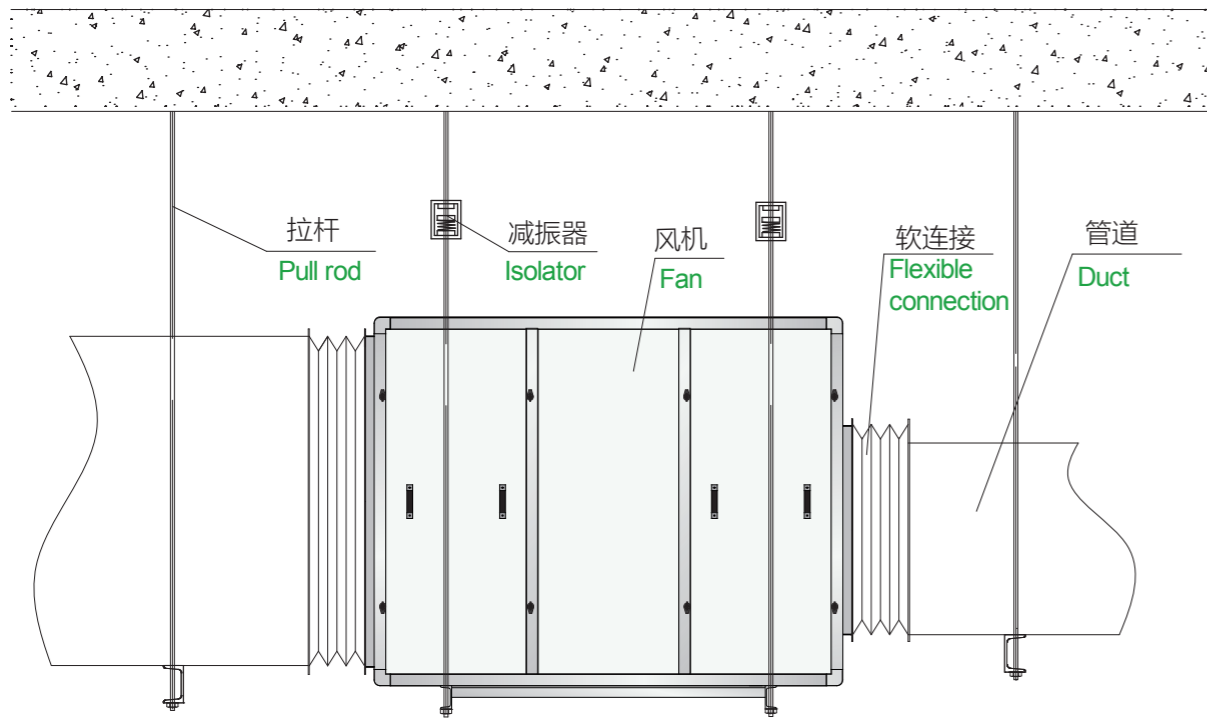
尺寸 型号	A	B	C	D	E	H	H1	G1	G2	G3	G4	G5	L1	L2	L3	d
CB200	1017	780	611	50	580	122	179	256	256	437	378	30	700	735	121	18
CB225	1017	880	651	50	680	122	194	288	288	537	418	30	800	710	134	18
CB250	1017	930	686	50	730	122	204	322	322	587	453	30	850	685	146	18
CB280	1240	980	749	63	780	135	220	361	361	637	503	30	900	910	145	18
CB315	1240	1080	799	63	880	135	241	404	404	737	553	30	1000	880	160	18
CB355	1240	1180	859	63	980	135	263	453	453	837	613	30	1100	880	160	18
CB400	1518	1280	934	63	1080	135	292	507	507	937	688	30	1200	1115	182	18
CB450	1518	1480	1019	63	1280	135	391	569	569	1137	773	30	1400	1090	194	18
CB500	1741	1580	1094	63	1380	135	343	638	638	1237	848	30	1500	1335	183	18
CB560	1741	1730	1189	63	1530	135	372	715	715	1387	943	30	1650	1285	208	18
CB630	1964	1830	1311	80	1630	152	415	801	801	1487	1048	30	1750	1440	242	18
CB710	2207	1950	1496	80	1750	162	474	898	898	1587	1213	30	1870	1620	274	18
CB800	2207	2150	1626	80	1950	162	530	1007	1007	1787	1343	30	2070	1580	294	18
CB900	2430	2350	1806	80	2150	162	583	1130	1130	1987	1523	30	2270	1760	315	18
CB1000	2708	2600	1936	80	2400	162	608	1267	1267	2237	1653	30	2520	2005	332	18

单位: mm

尺寸 型号	A	B	C	D	E	H	H1	G1	G2	G3	G4	G5	L1	L2	L3	d
CB200	834	780	611	50	580	122	285	256	256	437	418	30	700	470	182	18
CB225	1057	880	656	50	680	122	299	288	288	537	463	30	800	615	221	18
CB250	1057	930	701	50	730	122	310	322	322	587	508	30	850	595	231	18
CB280	1057	980	774	63	780	135	340	361	361	637	568	30	900	600	229	18
CB315	1280	1080	834	63	880	135	359	404	404	737	628	30	1000	795	243	18
CB355	1280	1180	909	63	980	135	384	453	453	837	703	30	1100	810	235	18
CB400	1280	1280	989	63	1080	135	412	507	507	937	783	30	1200	815	233	18
CB450	1335	1480	1094	63	1280	135	454	569	569	1137	888	30	1400	935	200	18
CB500	1558	1580	1184	63	1380	135	476	638	638	1237	978	30	1500	1090	234	18
CB560	1558	1730	1294	63	1530	135	508	715	715	1387	1088	30	1650	1110	224	18
CB630	1781	1830	1441	80	1630	152	567	801	801	1487	1218	30	1750	1305	238	18
CB710	2024	1950	1656	80	1750	162	678	898	898	1587	1413	30	1870	1480	272	18
CB800	2024	2150	1821	80	1950	162	734	1007	1007	1787	1578	30	2070	1480	272	18
CB900	2247	2350	2021	80	2150	162	809	1130	1130	1987	1778	30	2270	1660	294	18
CB1000	2525	2600	2181	80	2400	162	834	1267	1267	2237	1938	30	2520	1880	323	18

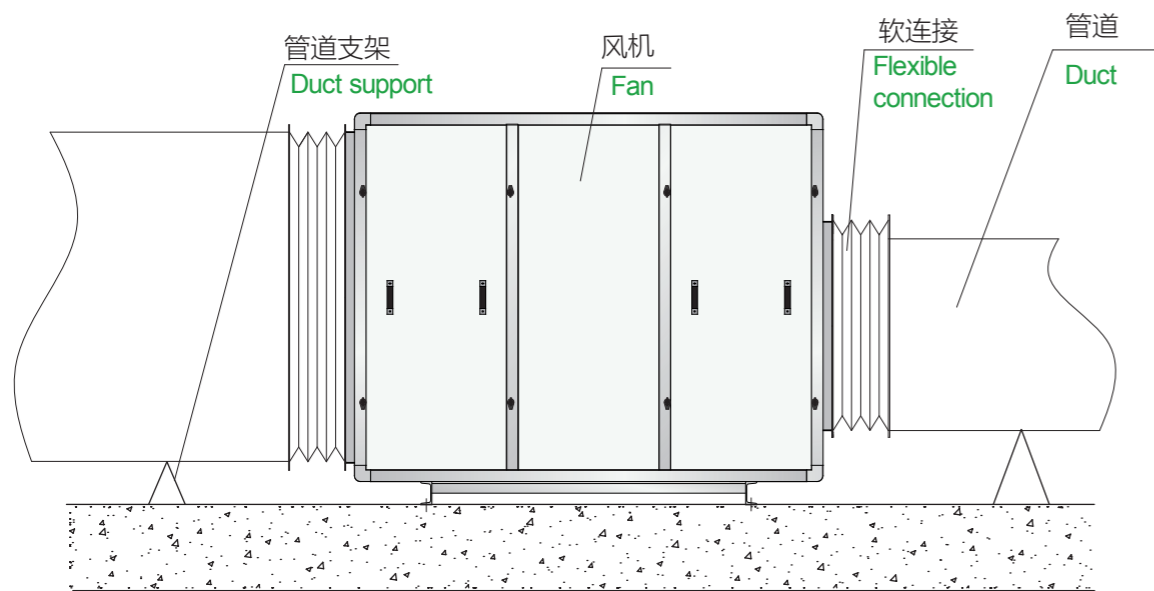
CB系列箱式风机吊装示意图

CB Ceiling Installation Schematic Diagram



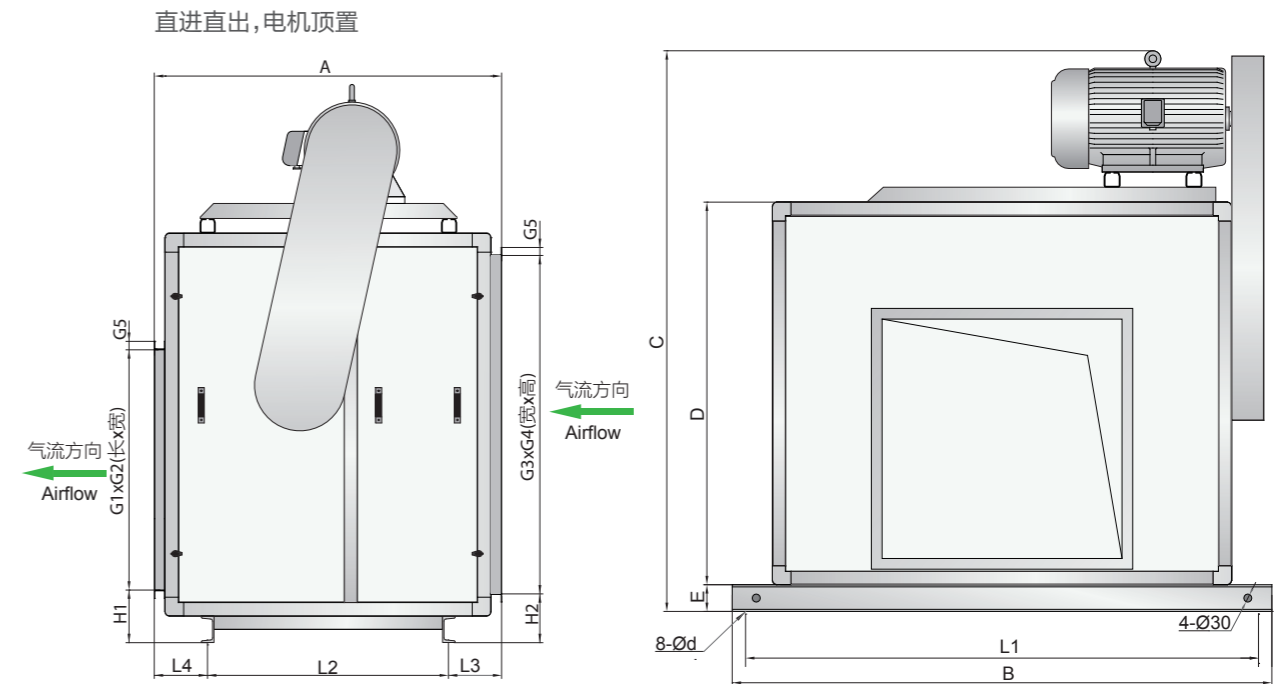
CB系列箱式风机座装示意图

CB Floor Installation Schematic Diagram



CBF-D/Q系列箱式风机外形尺寸

CBF-D/Q Series Fan Overall Dimension

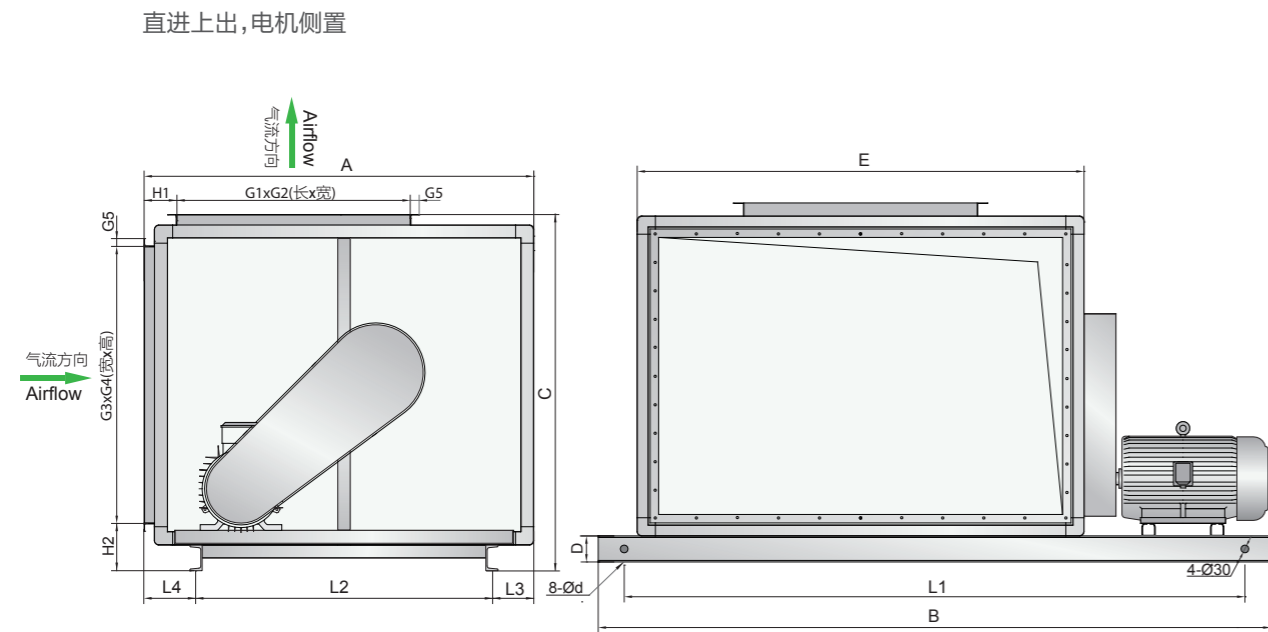


单位: mm

尺寸 型号	A	B	C										D	E	L1	L2	L3	L4	d	H2	H1	G5	G3×G4	G1×G2		
			Y80	Y90	Y100	Y112	Y132	Y160	Y180	Y200	Y225	Y250													Y280	
CBF180	550	750	805											500	50	650	438	56	56	17	113	145	30	385×325	228×228	
CBF200	610	790	860											540	50	690	498	56	56	17	113	153	30	428×328	256×256	
CBF225	660	850	900	925										580	50	750	543	59	59	17	113	142	30	465×405	288×288	
CBF250	710	910	940	960										630	50	810	593	59	59	17	113	153	30	525×455	322×322	
CBF280	780	980	1020	1040	1070									703	63	880	663	69	69	17	126	167	30	595×515	361×361	
CBF315	670	1060	1080	1100	1130	1160	1200	1295						763	63	960	420	117	133	17	135	154	30	655×555	404×404	
CBF355	740	1160	1160	1180	1220	1250	1280	1380	1420					843	63	1060	488	127	125	17	136	145	30	755×635	453×453	
CBF400	810	1260		1280	1300	1330	1380	1470	1520					930	80	1160	513	149	148	17	151	173	30	855×708	507×507	
CBF450	890	1400		1360	1400	1430	1480	1570	1610	1660				1030	80	1300	581	149	160	17	150	176	30	978×808	569×569	
CBF500	960	1520		1460	1500	1520	1570	1650	1700	1750				1120	80	1420	650	150	160	17	154	173	30	1095×895	639×639	
CBF560	1060	1680		1600	1640	1660	1710	1800	1850	1900				1265	100	1580	745	157	158	17	173	197	30	1235×1020	715×715	
CBF630	1160	1830			1760	1790	1830	1930	1970	2030				1390	100	1730	846	151	163	17	174	198	30	1385×1145	801×801	
CBF710	1300	2020				1930	1970	2060	2110	2160	2210			1530	100	1920	902	199	199	17	183	197	30	1555×1265	898×898	
CBF800	1430	2220					2140	2230	2270	2330	2380			1700	100	2120	1030	200	200	17	183	197	30	1755×1435	1007×1007	
CBF900	1610	2450						2290	2380	2425	2480	2535	2600	2670	1850	100	2350	1166	222	222	17	183	183	30	1985×1585	1130×1130
CBF1000	1740	2700						2450	2540	2590	2640	2690	2760	2830	2010	100	2600	1302	219	219	17	183	180	30	2235×1745	1267×1267

CBF-D/Q系列箱式风机外形尺寸

CBF-D/Q Series Fan Overall Dimension

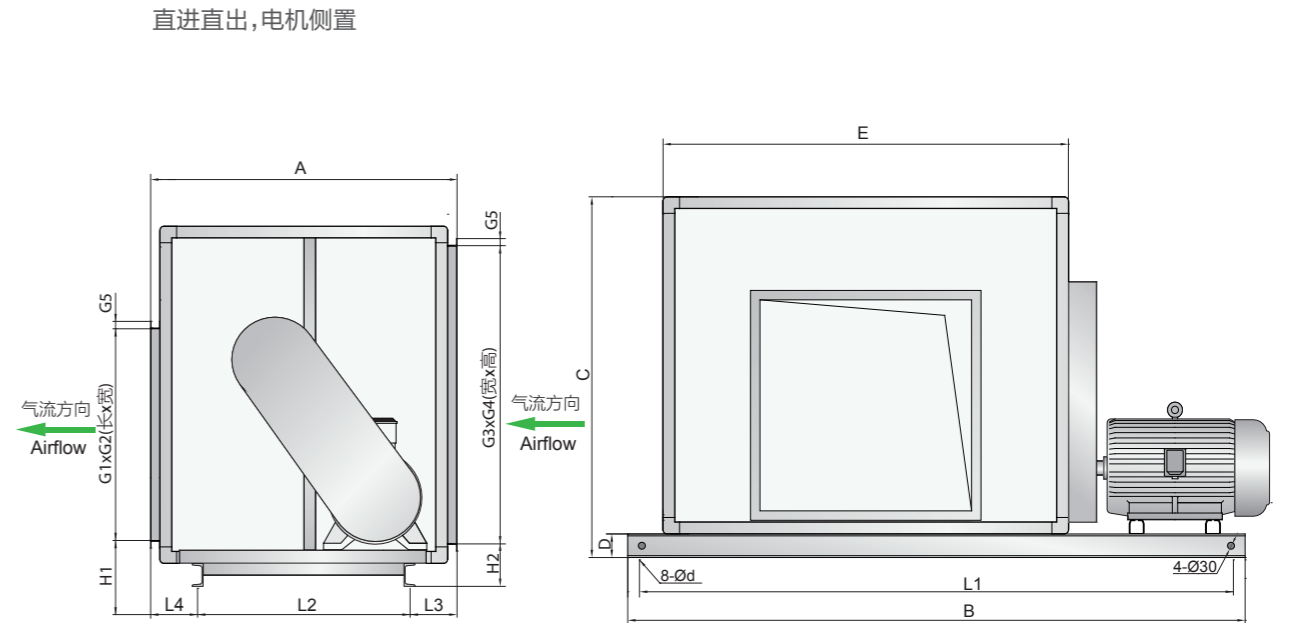


单位:mm

尺寸 型号	A												B												C	D	E	L1	L2	L3	L4	d	H2	H1	G5	G3×G4	G1×G2
	Y80	Y90	Y100	Y112	Y132	Y160	Y180	Y200	Y225	Y250	Y280	Y80	Y90	Y100	Y112	Y132	Y160	Y180	Y200	Y225	Y250	Y280															
CBF180	540	950	950									470	50	480	B-200	380	60	110	17	112	128	30	360×266	228×228													
CBF200	610	980	980									490	50	560	B-200	400	85	135	17	112	144	30	440×276	256×256													
CBF225	820	1000	1000									560	50	590	B-200	580	100	133	17	113	217	30	465×345	288×288													
CBF250	860	1050	1050									600	50	650	B-100	600	110	150	17	113	189	30	525×385	322×322													
CBF280	920	1090	1160	1160								653	63	720	B-100	660	110	150	17	126	226	30	595×425	361×361													
CBF315	790	1220	1220	1270	1270	1480	1480					723	63	800	B-100	518	116	156	17	137	129	30	655×475	404×404													
CBF355	890	1310	1310	1380	1380	1480	1650	1650				793	63	900	B-100	810	168	128	17	137	104	30	755×545	453×453													
CBF400	940		1480	1480	1480	1580	1700	1760				880	80	1000	B-100	636	132	172	17	151	125	30	858×618	507×507													
CBF450	1040		1600	1600	1600	1700	1880	1880	1920			960	80	1120	B-100	727	137	177	17	152	130	30	976×696	572×572													
CBF500	1140		1730	1730	1730	1830	2000	2000	2050			1030	80	1240	B-100	818	141	181	17	153	134	30	1155×765	639×639													
CBF560	1220		1870	1870	1870	1970	2140	2140	2190			1150	100	1380	B-100	930	125	165	17	172	120	30	1236×866	715×715													
CBF630	1380			2030	2030	2130	2300	2300	2340			1250	100	1530	B-100	1057	142	182	17	173	137	30	1385×965	801×801													
CBF710	1500				2240	2340	2460	2550	2550	2620		1370	100	1720	B-200	1143	159	199	17	183	125	30	1555×1065	898×898													
CBF800	1660					2540	2660	2750	2750	2850		1500	100	1920	B-200	1308	156	196	17	183	122	30	1755×1195	1007×1007													
CBF900	1850						2790	2910	3000	3000	3150	3150	3300	1660	100	2150	B-200	1488	161	201	17	183	127	30	2045×1355	1130×1130											
CBF1000	2010							3040	3160	3250	3250	3390	3390	3540	1790	100	2400	B-200	1650	160	200	17	183	125	30	2235×1485	1267×1267										

CBF-D/Q系列箱式风机外形尺寸

CBF-D/Q Series Fan Overall Dimension

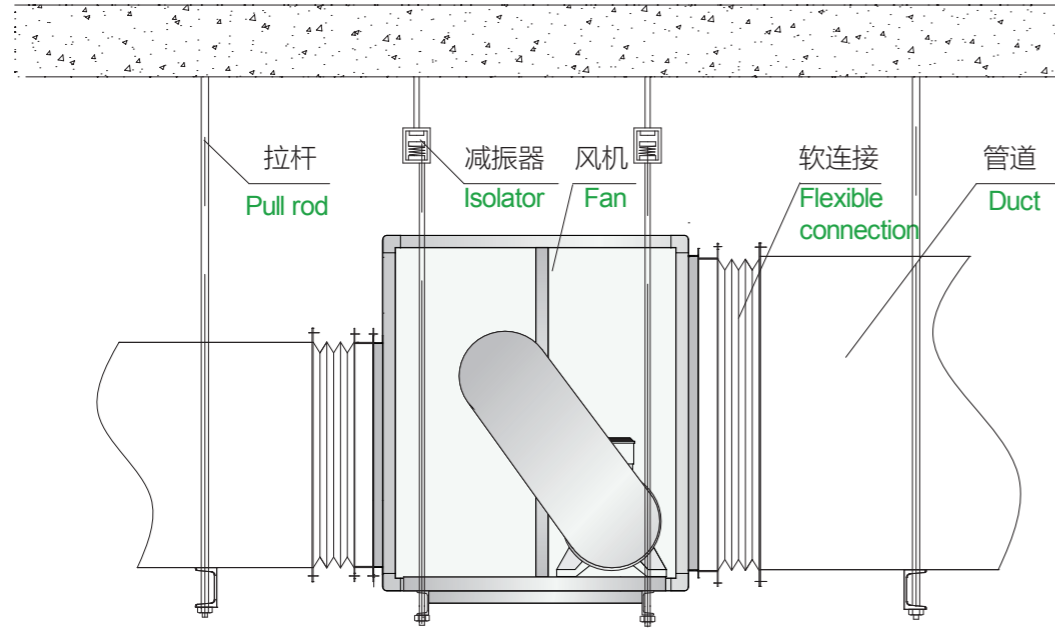


单位:mm

尺寸 型号	A												B												C	D	E	L1	L2	L3	L4	d	H2	H1	G5	G3×G4	G1×G2
	Y80	Y90	Y100	Y112	Y132	Y160	Y180	Y200	Y225	Y250	Y280	Y80	Y90	Y100	Y112	Y132	Y160	Y180	Y200	Y225	Y250	Y280															
CBF180	550	950	950									500	50	510	B-100	438	56	56	17	113	125	30	385×325	228×228													
CBF200	610	960	960									540	50	550	B-100	498	56	66	17	113	123	30	428×368	256×256													
CBF225	660	980	980									580	50	590	B-100	540	60	60	17	117	121	30	465×405	288×288													
CBF250	710	1040	1040									630	50	650	B-100	593	59	59	17	113	123	30	525×455	322×322													
CBF280	780	1090	1160	1160								703	63	720	B-100	663	59	59	17	126	137	30	595×515	361×361													
CBF315	670	1220	1220	1270	1270	1480						763	63	800	B-100	420	125	125	17	136	155	30	655×555	404×404													
CBF355	740		1310	1380	1380	1480	1650	1650				843	63	900	B-100	488	126	126	17	136	145	30	755×635	453×453													
CBF400	810		1480	1480	1480	1580	1700	1760				930	80	1000	B-100	513	149	149	17	134	156	30	855×708	507×507													
CBF450	890		1600	1600	1600	1700	1880	1880	1920			1030	80	1120	B-100	581	149	160	17	151	174	30	978×808	569×569													
CBF500	960		1750	1750	1750	1830	2000	2000	2050			1120	80	1240	B-100	650	150	160	17	153	173	30	1095×895	639×639													
CBF560	1060		1900	1900	1900	1970	2140	2140	2190			1265	100	1380	B-100	745	157	158	17	173	197	30	1235×1020	715×715													
CBF630	1160			2050	2050	2130	2300	2300	2340			1390	100	1530	B-100	846	151	163	17	173	198	30	1385×1145	801×801													
CBF710	1300				2240	2340	2460	2550	2550	2620		1530	100	1720	B-100	902	199	199	17	183	197	30	1555×1265	898×898													
CBF800	1430					2540	2660	2750	2750	2850		1700	100	1920	B-100	1030	200	200	17	183	197	30	1755×1435	1007×1007													
CBF900	1610						2790	2910	3000	3000	3150	3150	3300	1850	100	2150	B-100	1166	222	222	17	183	183	30	1985×1585	1130×1130											
CBF1000	1740							3040	3160	3250	3250	3390	3390	3540	2010	100	2400	B-200	1302	219	219	17	183	181	30	2235×1745	1267×1267										

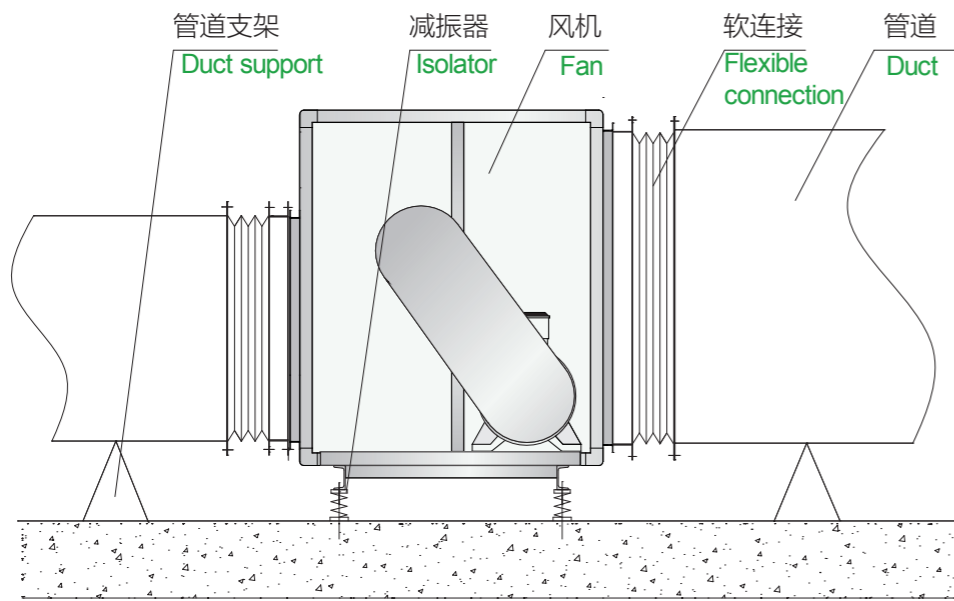
CBF系列箱式风机吊装示意图

CBF Ceiling Installation Schematic Diagram



CBF系列箱式风机地装示意图

CBF Floor Installation Schematic Diagram

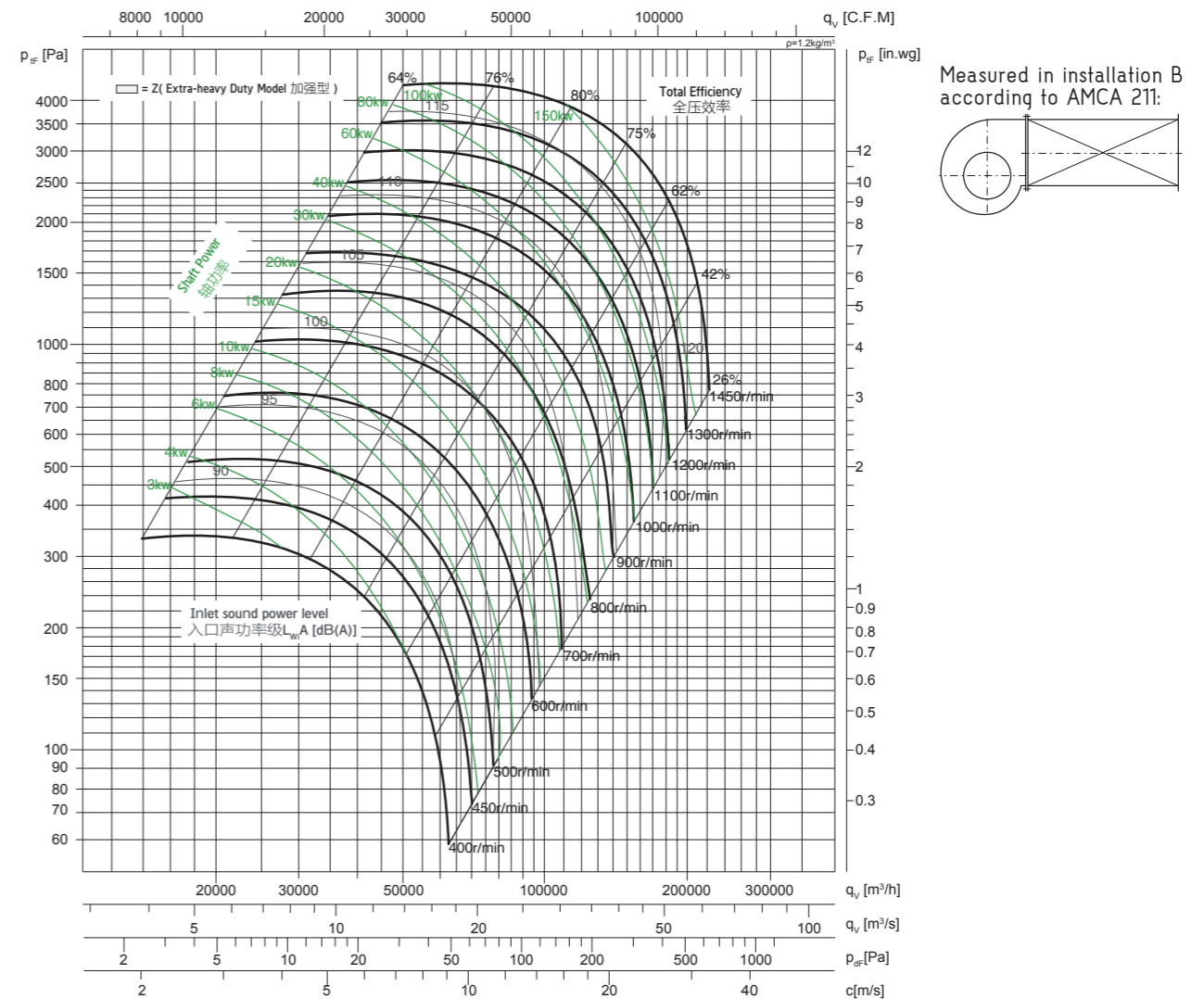


技术参数 Technical Data

Wheel diameter	叶轮直径	D = 1120 mm	Fan weight	风机质量(不含电机)	m = 1400 kg
Moment of inertia	转动惯量	J = 47.6 kg·m ²	Speed limit	极限转速	n _{max} = 1450 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and 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. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级 (入口 L_{WA})。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{W1m}(A) at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{W1m}(A)

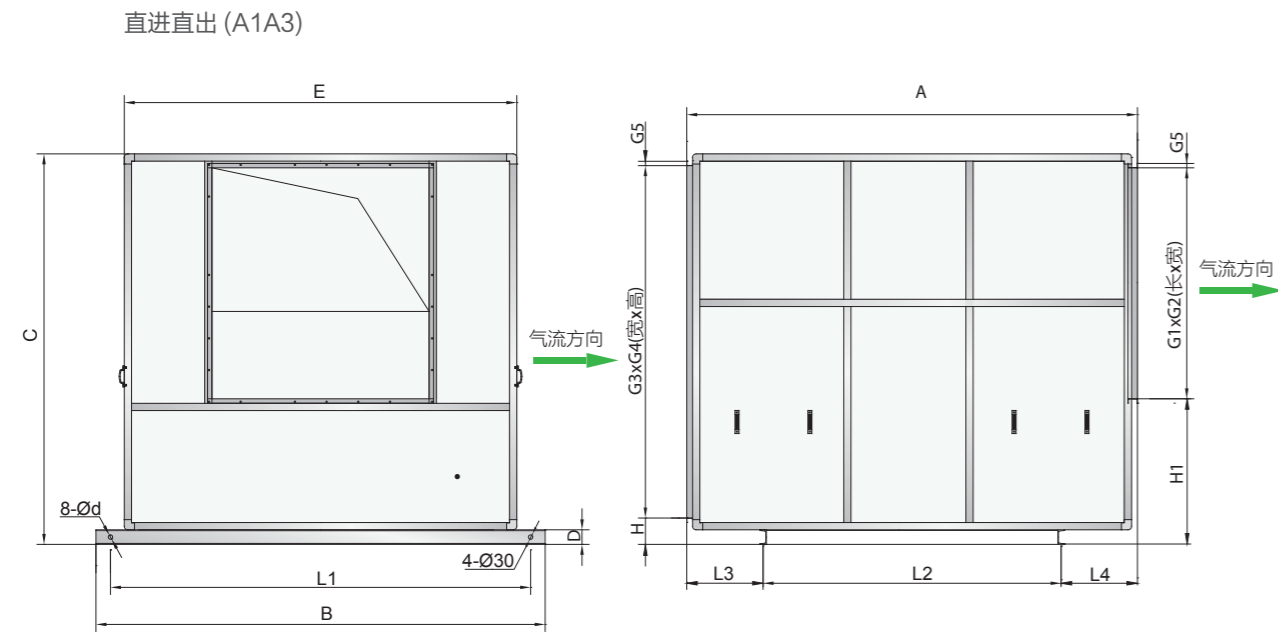
Total Efficiency %	63	125	250	500	1000	2000	4000	8000	Hz
64	-44	-39	-38	-27	-22	-31	-40	-50	dB
76	-44	-39	-38	-27	-22	-31	-40	-50	dB
80	-45	-37	-37	-27	-22	-31	-39	-50	dB
75	-48	-38	-39	-30	-25	-34	-41	-23	dB
62	-45	-33	-35	-28	-22	-31	-35	-46	dB
42	-44	-33	-34	-27	-23	-30	-32	-42	dB
26	-44	-33	-33	-27	-23	-30	-30	-39	dB

Relative A sound power level for outlet side L_{W0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{W0}(A)

Total Efficiency 全压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
64	-18	-17	-18	-7	-2	-11	-20	-30	dB
76	-18	-17	-17	-6	-2	-11	-20	-30	dB
80	-19	-15	-16	-6	-2	-11	-19	-30	dB
75	-20	-13	-15	-9	-5	-14	-21	-4	dB
62	-18	-8	-11	-8	-3	-12	-16	-27	dB
42	-17	-10	-12	-8	-3	-11	-13	-23	dB
26	-16	-10	-11	-7	-4	-10	-10	-19	dB

CB-H系列箱式风机外形尺寸

CB-H Series Fan Overall Dimension

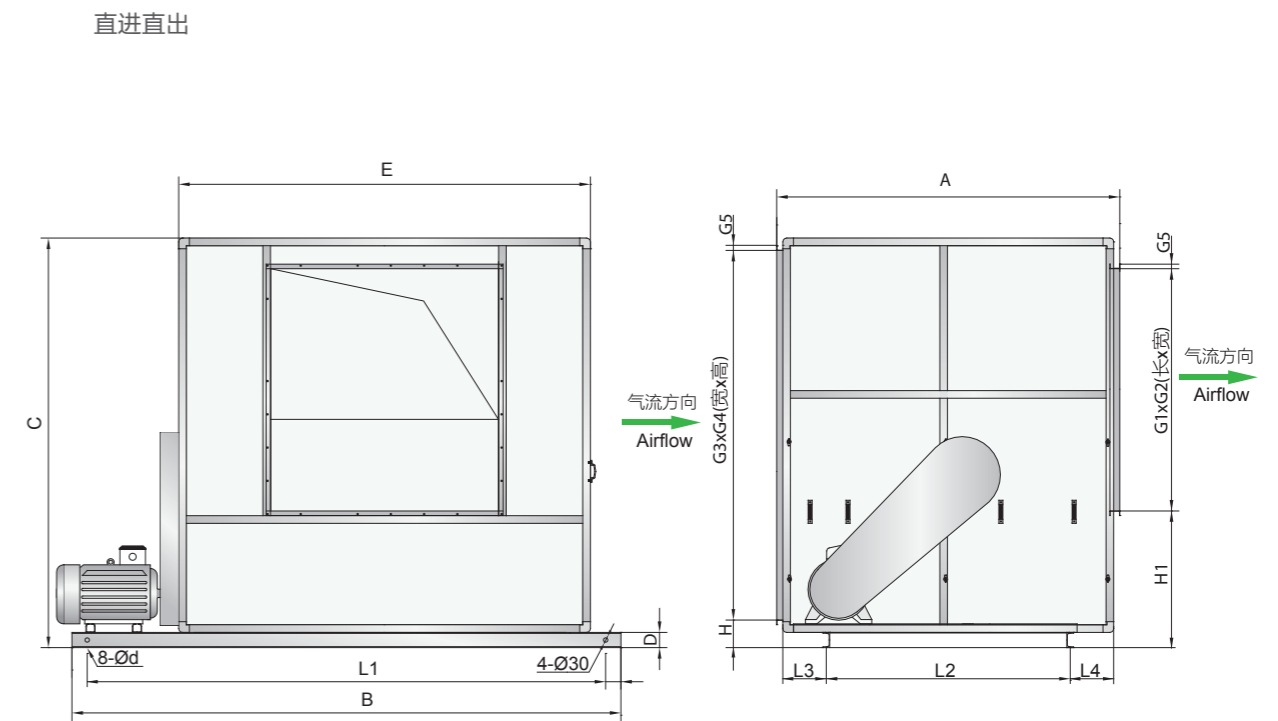


单位 :mm

尺寸 型号	A	B	C	D	E	H	H1	G1	G2	G3	G4	G5	L1	L2	L3	L4	d
	CB1120	3000	2980	2471	126	2580	208	956	1423	1350	2183	2418	30	2780	2000	475	525

CBF-H系列箱式风机外形尺寸

CBF-H Series Fan Overall Dimension



单位 :mm

尺寸 型号	A	B						C	D	E	H1	H2	G1×G2	G3×G4	G5	G6	L1	L2	L3	L4	d
		Y132	Y160	Y180	Y200	Y225	Y250	Y280													
CBF1120H	2080	3270	3390	3480	3620	3770	2445	126	2580	853	207	1423*1350	2183*2418	30	30	B-200	1500	188	312	18	

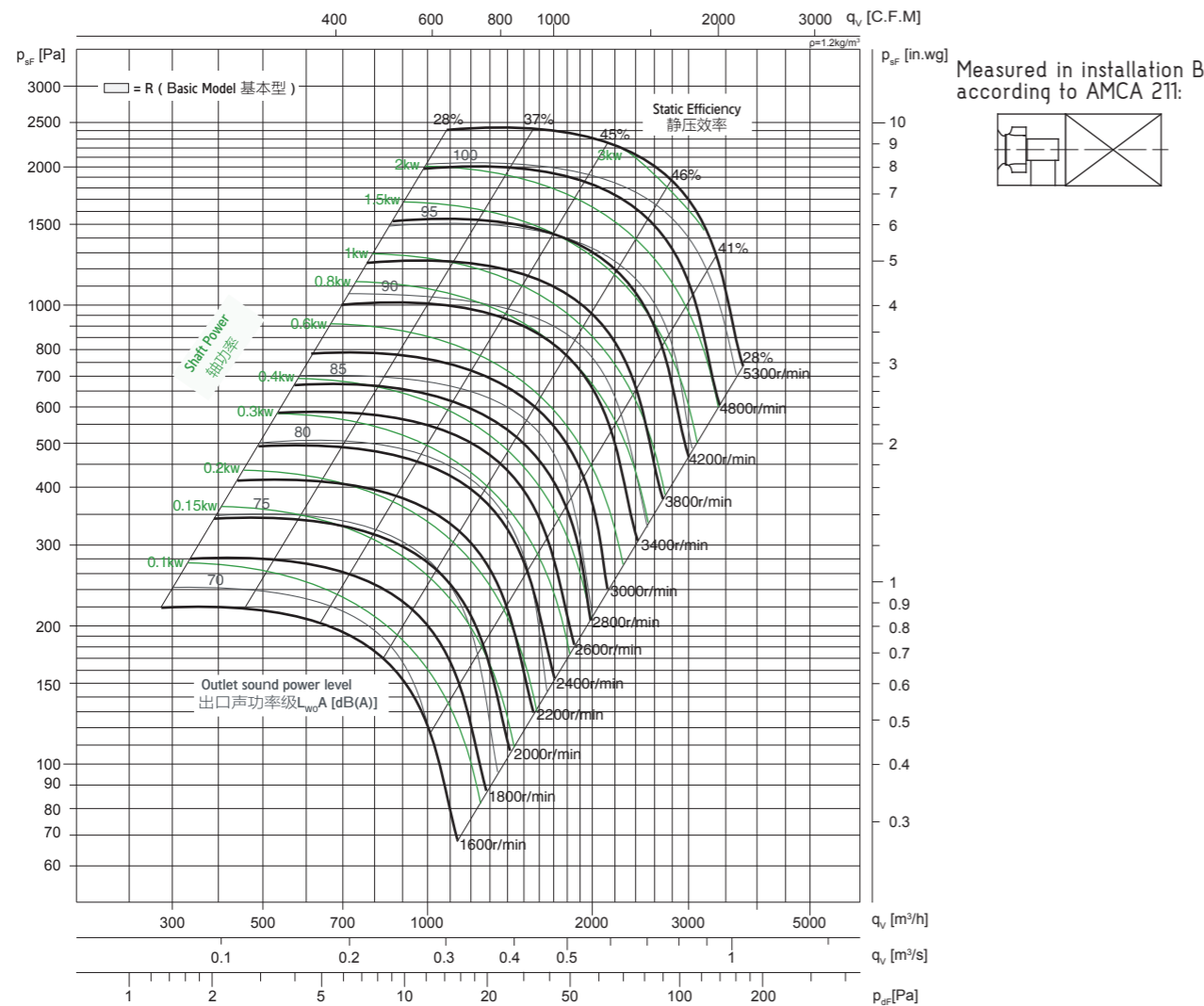
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 250 mm	Fan weight 风机质量(不含电机)	m = 55 kg
Moment of inertia 转动惯量	J = 0.020 kg·m ²	Speed limit 极限转速	n _{max} = 5300 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type A: free inlet, free outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet L_{w0}A sound power levels for installation type A: free inlet, free outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级 (出口 L_{w0}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m(A)} at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
28	-45	-36	-32	-25	-26	-26	-32	-33	dB
37	-45	-36	-32	-25	-26	-26	-32	-33	dB
45	-48	-40	-32	-25	-26	-25	-31	-34	dB
46	-48	-41	-32	-26	-26	-25	-31	-33	dB
41	-48	-43	-35	-27	-25	-24	-31	-40	dB
28	-49	-45	-38	-28	-25	-24	-32	-49	dB

Relative A sound power level for outlet side L_{w0(A)} at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
28	-20	-14	-11	-5	-6	-7	-13	-14	dB
37	-18	-14	-10	-5	-6	-7	-13	-14	dB
45	-20	-15	-9	-5	-7	-7	-13	-16	dB
46	-19	-15	-8	-6	-6	-7	-12	-14	dB
41	-18	-17	-12	-6	-5	-5	-12	-21	dB
28	-18	-18	-14	-7	-5	-4	-13	-29	dB

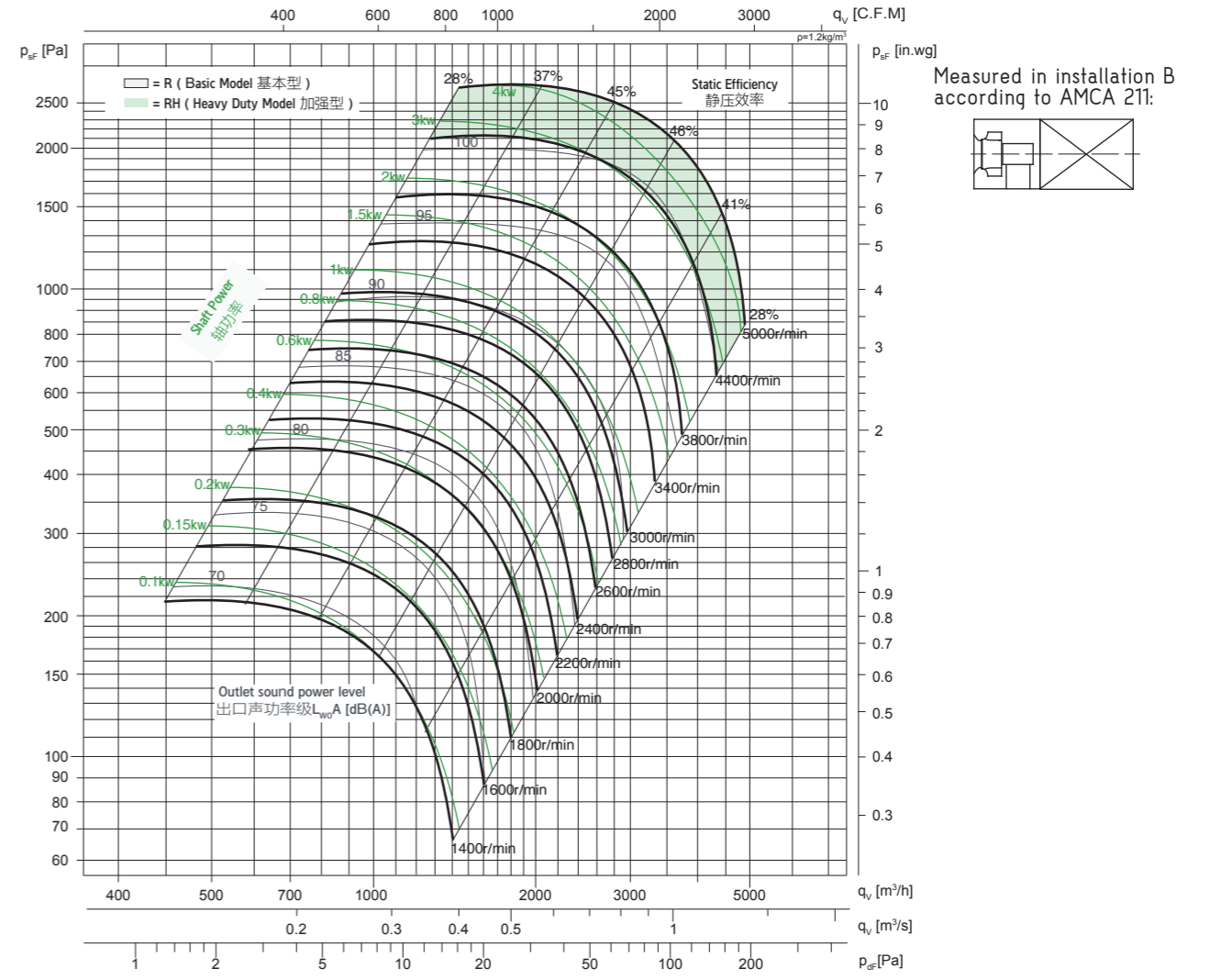
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 280 mm	Fan weight 风机质量(不含电机)	m = 58 kg
Moment of inertia 转动惯量	J = 0.034 kg·m ²	Speed limit 极限转速	n _{max} = 5000 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet L_{w0}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级 (出口 L_{w0}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m(A)} at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
28	-45	-36	-32	-25	-26	-26	-32	-33	dB
37	-45	-36	-32	-25	-26	-26	-32	-33	dB
45	-48	-40	-32	-25	-26	-25	-31	-34	dB
46	-48	-41	-32	-26	-26	-25	-31	-33	dB
41	-48	-43	-35	-27	-25	-24	-31	-40	dB
28	-49	-45	-38	-28	-25	-24	-32	-49	dB

Relative A sound power level for outlet side L_{w0(A)} at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
28	-20	-14	-11	-5	-6	-7	-13	-14	dB
37	-18	-14	-10	-5	-6	-7	-13	-14	dB
45	-20	-15	-9	-5	-7	-7	-13	-16	dB
46	-19	-15	-8	-6	-6	-7	-12	-14	dB
41	-18	-17	-12	-6	-5	-5	-12	-21	dB
28	-18	-18	-14	-7	-5	-4	-13	-29	dB

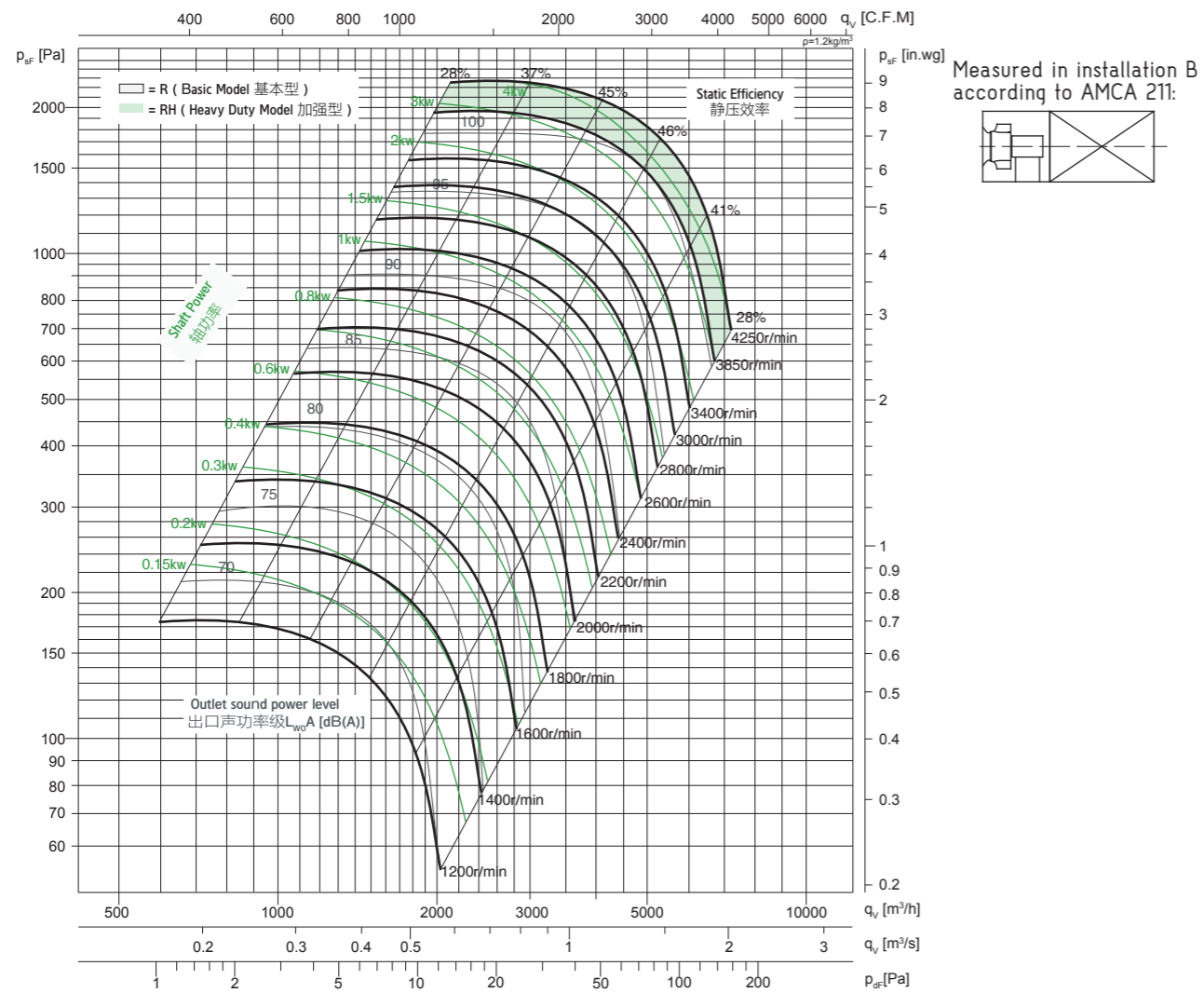
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 315 mm	Fan weight 风机质量(不含电机)	m = 63 kg
Moment of inertia 转动惯量	J = 0.053 kg·m ²	Speed limit 极限转速	n _{max} = 4250 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet L_{w0}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(出口 L_{w0}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m}(A) at octave centre frequencies

箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m}(A)

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
28	-45	-36	-32	-25	-26	-26	-32	-33	dB
37	-45	-36	-32	-25	-26	-26	-32	-33	dB
45	-48	-40	-32	-25	-26	-25	-31	-34	dB
46	-48	-41	-32	-26	-26	-25	-31	-33	dB
41	-48	-43	-35	-27	-25	-24	-31	-40	dB
28	-49	-45	-38	-28	-25	-24	-32	-49	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies

风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
28	-20	-14	-11	-5	-6	-7	-13	-14	dB
37	-18	-14	-10	-5	-6	-7	-13	-14	dB
45	-20	-15	-9	-5	-7	-7	-13	-16	dB
46	-19	-15	-8	-6	-6	-7	-12	-14	dB
41	-18	-17	-12	-6	-5	-5	-12	-21	dB
28	-18	-18	-14	-7	-5	-4	-13	-29	dB

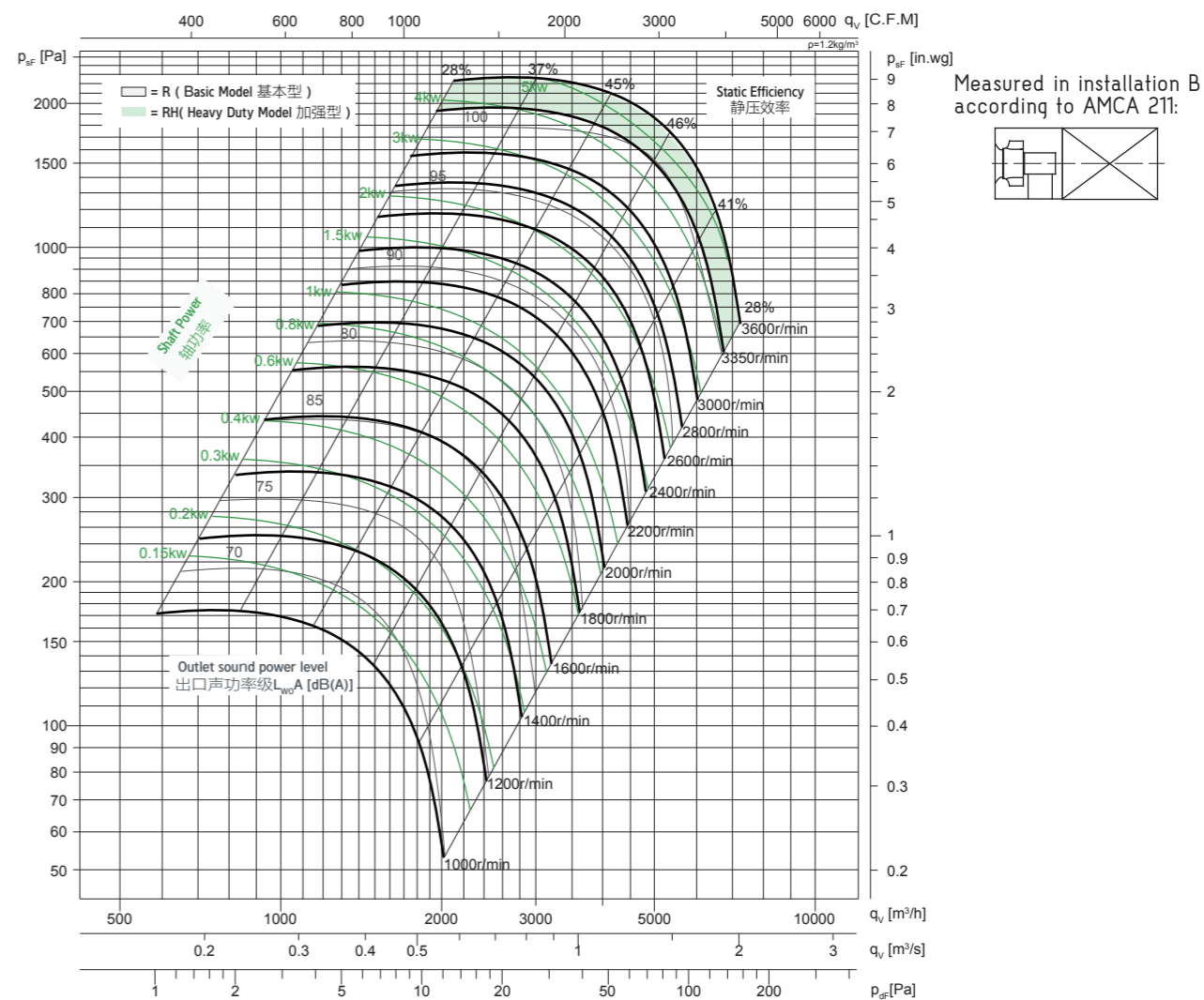
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 355 mm	Fan weight 风机质量(不含电机)	m = 69 kg
Moment of inertia 转动惯量	J = 0.102 kg·m ²	Speed limit 极限转速	n _{max} = 3600 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet L_{w0}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(出口 L_{w0}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m}(A) at octave centre frequencies

箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m}(A)

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
28	-45	-36	-32	-25	-26	-26	-32	-33	dB
37	-45	-36	-32	-25	-26	-26	-32	-33	dB
45	-48	-40	-32	-25	-26	-25	-31	-34	dB
46	-48	-41	-32	-26	-26	-25	-31	-33	dB
41	-48	-43	-35	-27	-25	-24	-31	-40	dB
28	-49	-45	-38	-28	-25	-24	-32	-49	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies

风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

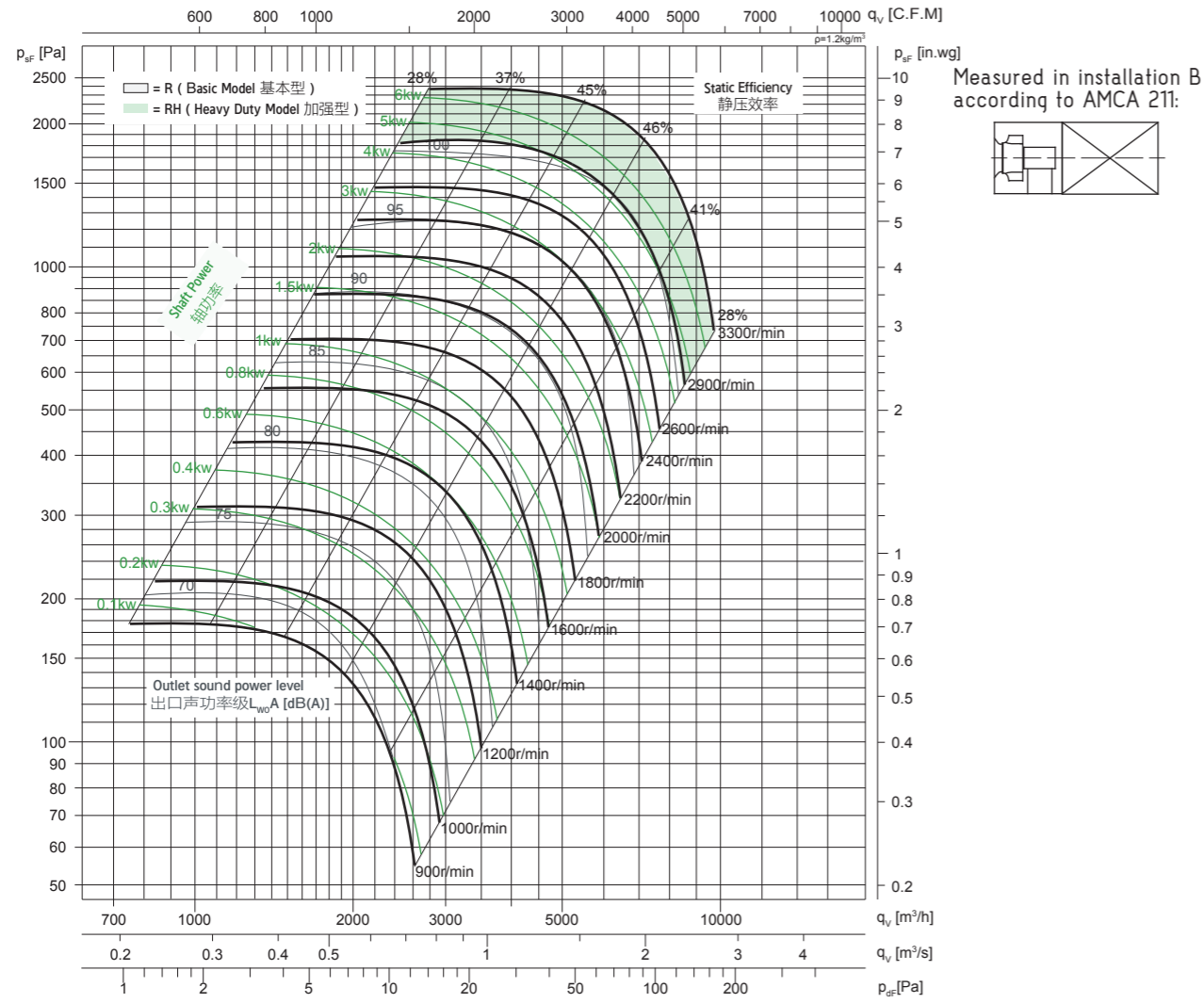
Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
28	-20	-14	-11	-5	-6	-7	-13	-14	dB
37	-18	-14	-10	-5	-6	-7	-13	-14	dB
45	-20	-15	-9	-5	-7	-7	-13	-16	dB
46	-19	-15	-8	-6	-6	-7	-12	-14	dB
41	-18	-17	-12	-6	-5	-5	-12	-21	dB
28	-18	-18	-14	-7	-5	-4	-13	-29	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 400 mm	Fan weight 风机质量(不含电机)	m = 95 kg
Moment of inertia 转动惯量	J = 0.162 kg·m ²	Speed limit 极限转速	n _{max} = 3300 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet L_{w0}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级 (出口 L_{w0}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m(A)} at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
28	-45	-36	-32	-25	-26	-26	-32	-33	dB
37	-45	-36	-32	-25	-26	-26	-32	-33	dB
45	-48	-40	-32	-25	-26	-25	-31	-34	dB
46	-48	-41	-32	-26	-26	-25	-31	-33	dB
41	-48	-43	-35	-27	-25	-24	-31	-40	dB
28	-49	-45	-38	-28	-25	-24	-32	-49	dB

Relative A sound power level for outlet side L_{w0(A)} at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0(A)}

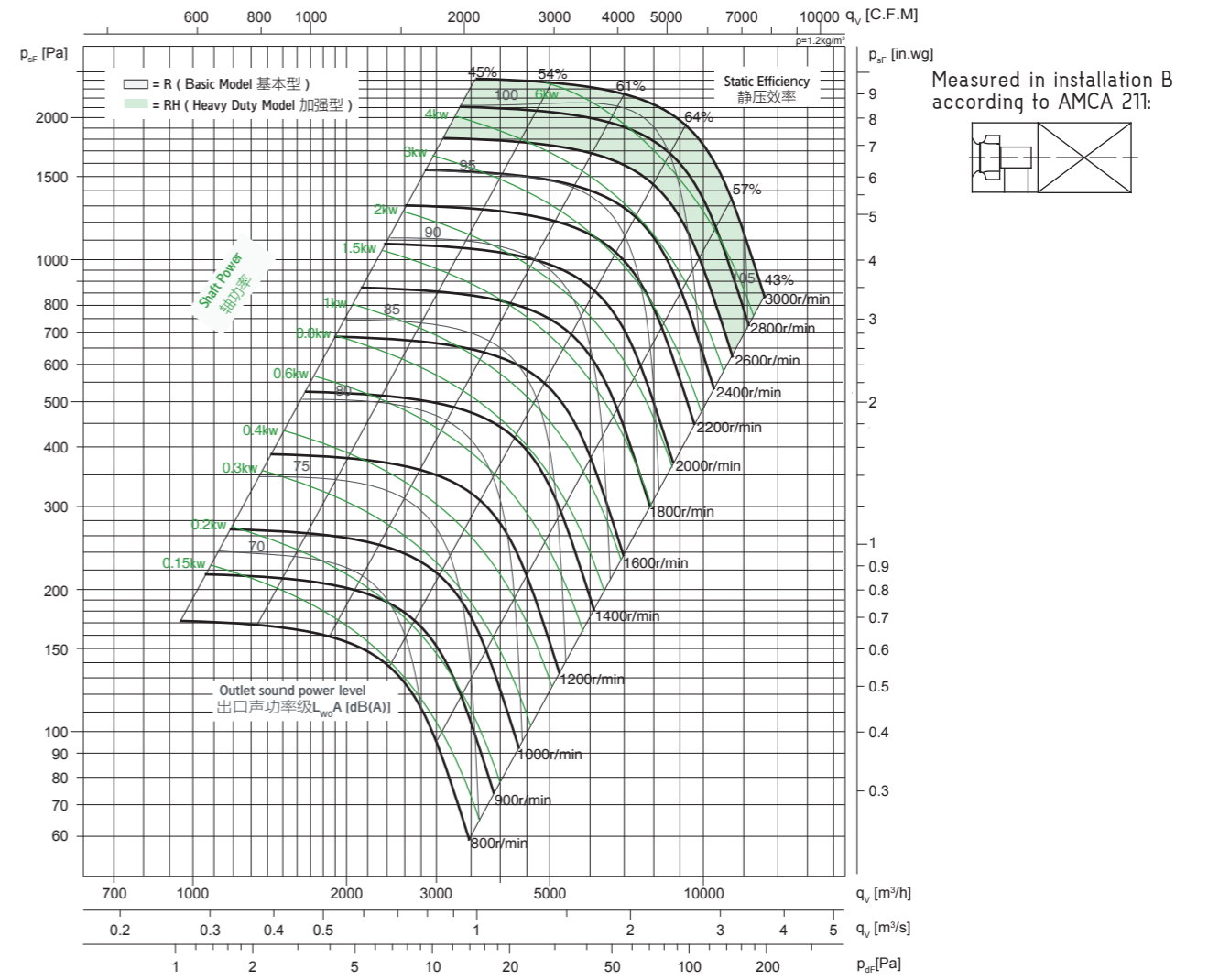
Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
28	-20	-14	-11	-5	-6	-7	-13	-14	dB
37	-18	-14	-10	-5	-6	-7	-13	-14	dB
45	-20	-15	-9	-5	-7	-7	-13	-16	dB
46	-19	-15	-8	-6	-6	-7	-12	-14	dB
41	-18	-17	-12	-6	-5	-5	-12	-21	dB
28	-18	-18	-14	-7	-5	-4	-13	-29	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 450 mm	Fan weight 风机质量(不含电机)	m = 121 kg
Moment of inertia 转动惯量	J = 0.26 kg·m ²	Speed limit 极限转速	n _{max} = 3000 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet L_{w0}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级 (出口 L_{w0}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m(A)} at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-53	-33	-29	-28	-24	-27	-34	-42	dB
54	-54	-35	-30	-27	-24	-27	-34	-42	dB
61	-55	-38	-32	-27	-24	-26	-33	-42	dB
64	-58	-43	-34	-27	-24	-6	-33	-42	dB
57	-60	-44	-34	-28	-24	-25	-32	-43	dB
43	-61	-45	-35	-28	-24	-25	-32	-44	dB

Relative A sound power level for outlet side L_{w0(A)} at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-28	-11	-8	-8	-4	-8	-15	-23	dB
54	-27	-12	-8	-7	-4	-7	-14	-23	dB
61	-27	-13	-8	-7	-4	-7	-15	-23	dB
64	-29	-17	-10	-7	-4	-7	-14	-23	dB
57	-30	-18	-11	-7	-4	-6	-13	-24	dB
43	-30	-18	-12	-7	-4	-5	-13	-24	dB

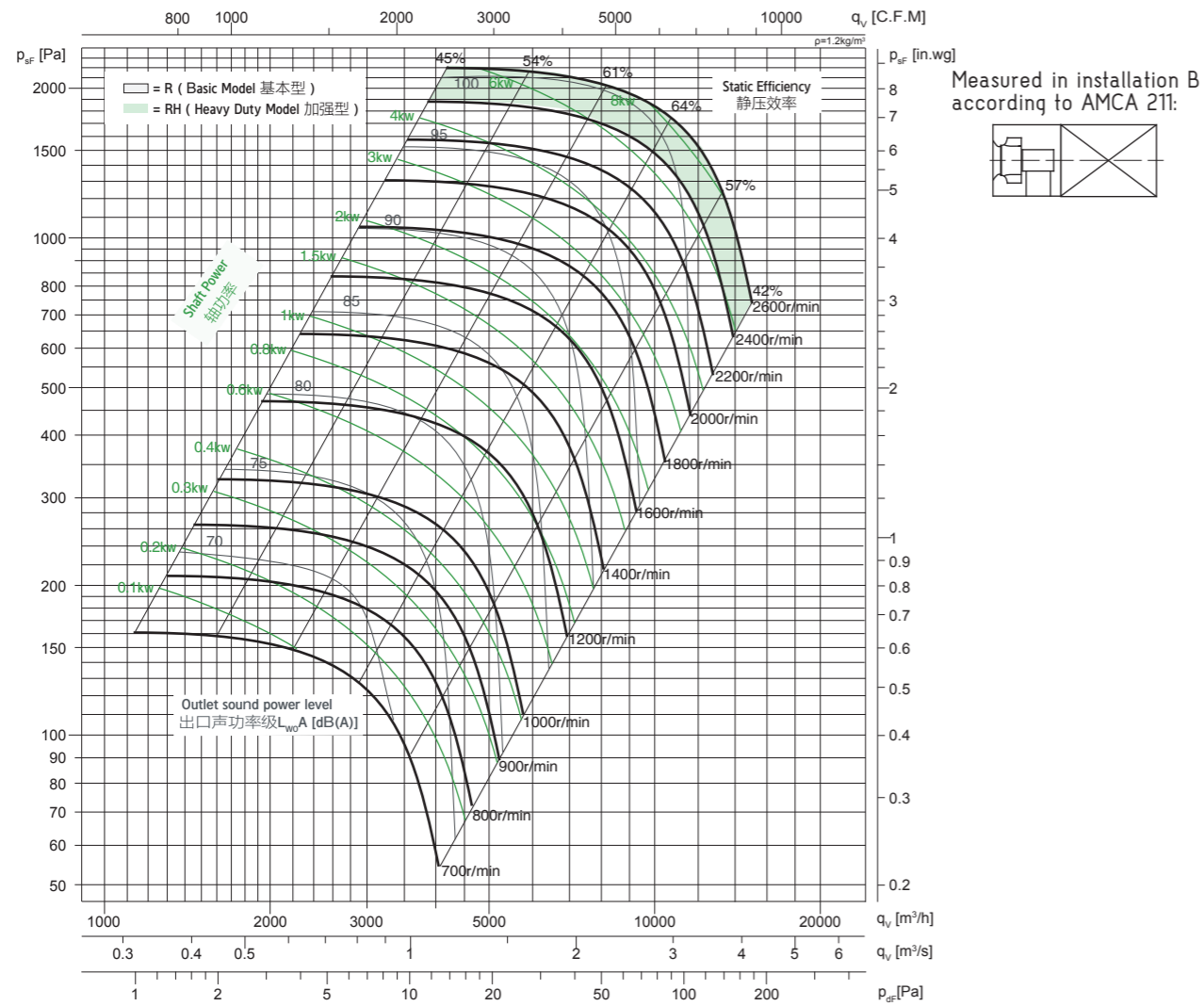
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 500 mm	Fan weight 风机质量(不含电机)	m = 156 kg
Moment of inertia 转动惯量	J = 0.45 kg·m ²	Speed limit 极限转速	n _{max} = 2600 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet L_{w0}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(出口 L_{w0}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m(A)} at octave centre frequencies

箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-53	-33	-29	-28	-24	-27	-34	-42	dB
54	-54	-35	-30	-27	-24	-27	-34	-42	dB
61	-55	-38	-32	-27	-24	-26	-33	-42	dB
64	-58	-43	-34	-27	-24	-26	-33	-42	dB
57	-60	-44	-34	-28	-24	-25	-32	-43	dB
42	-61	-45	-35	-28	-24	-25	-32	-44	dB

Relative A sound power level for outlet side L_{w0(A)} at octave centre frequencies

风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-28	-11	-8	-8	-4	-8	-15	-23	dB
54	-27	-12	-8	-7	-4	-7	-14	-23	dB
61	-27	-13	-8	-7	-4	-7	-15	-23	dB
64	-29	-17	-10	-7	-4	-7	-14	-23	dB
57	-30	-18	-11	-7	-4	-6	-13	-24	dB
42	-30	-18	-12	-7	-4	-5	-13	-24	dB

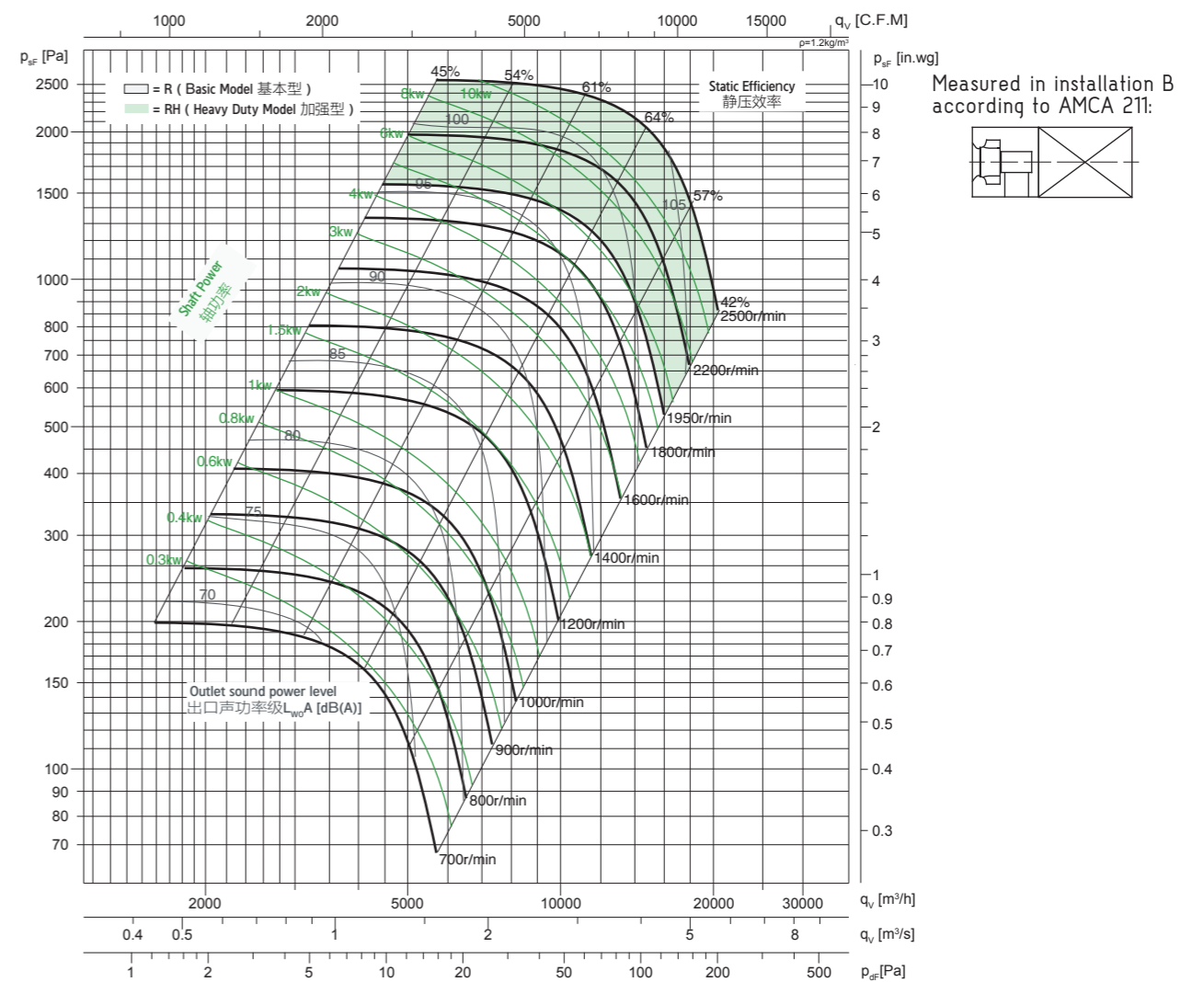
技术参数 Technical Data

Wheel diameter 叶轮直径	D = 560 mm	Fan weight 风机质量(不含电机)	m = 165 kg
Moment of inertia 转动惯量	J = 0.74 kg·m ²	Speed limit 极限转速	n _{max} = 2500 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet L_{w0}A sound power levels for installation type B: free inlet, ducted outlet.

箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(出口 L_{w0}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m(A)} at octave centre frequencies

箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-53	-33	-29	-28	-24	-27	-34	-42	dB
54	-54	-35	-30	-27	-24	-27	-34	-42	dB
61	-55	-38	-32	-27	-24	-26	-33	-42	dB
64	-58	-43	-34	-27	-24	-26	-33	-42	dB
57	-60	-44	-34	-28	-24	-25	-32	-43	dB
42	-61	-45	-35	-28	-24	-25	-32	-44	dB

Relative A sound power level for outlet side L_{w0(A)} at octave centre frequencies

风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0(A)}

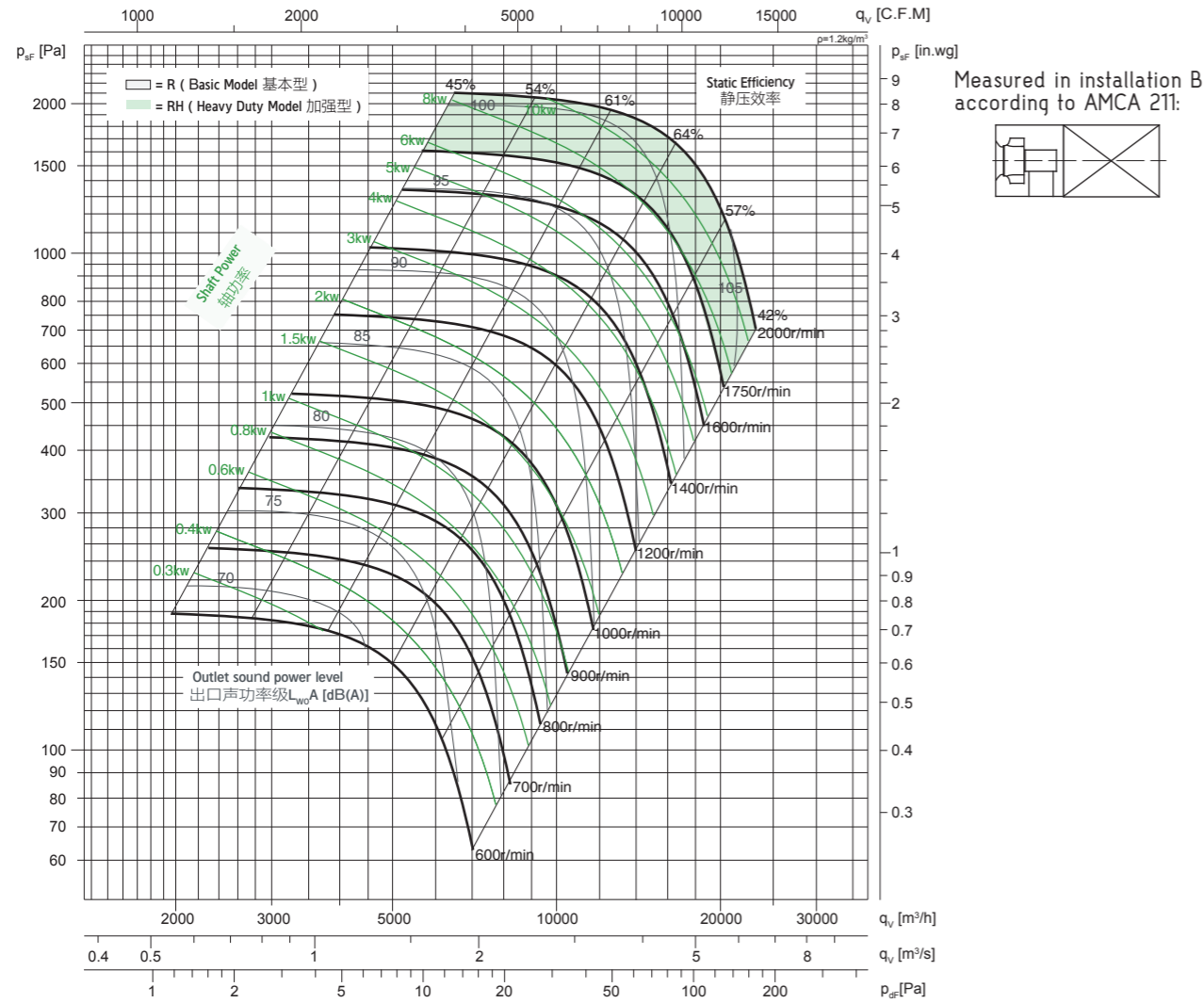
Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-28	-11	-8	-8	-4	-8	-15	-23	dB
54	-27	-12	-8	-7	-4	-7	-14	-23	dB
61	-27	-13	-8	-7	-4	-7	-15	-23	dB
64	-29	-17	-10	-7	-4	-7	-14	-23	dB
57	-30	-18	-11	-7	-4	-6	-13	-24	dB
42	-30	-18	-12	-7	-4	-5	-13	-24	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 630 mm	Fan weight 风机质量(不含电机)	m = 182 kg
Moment of inertia 转动惯量	J = 1.2 kg·m ²	Speed limit 极限转速	n _{max} = 2000 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet L_{w0}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级 (出口 L_{w0}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m(A)} at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-53	-33	-29	-28	-24	-27	-34	-42	dB
54	-54	-35	-30	-27	-24	-27	-34	-42	dB
61	-55	-38	-32	-27	-24	-26	-33	-42	dB
64	-58	-43	-34	-27	-24	-26	-33	-42	dB
57	-60	-44	-34	-28	-24	-25	-32	-43	dB
42	-61	-45	-35	-28	-24	-25	-32	-44	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

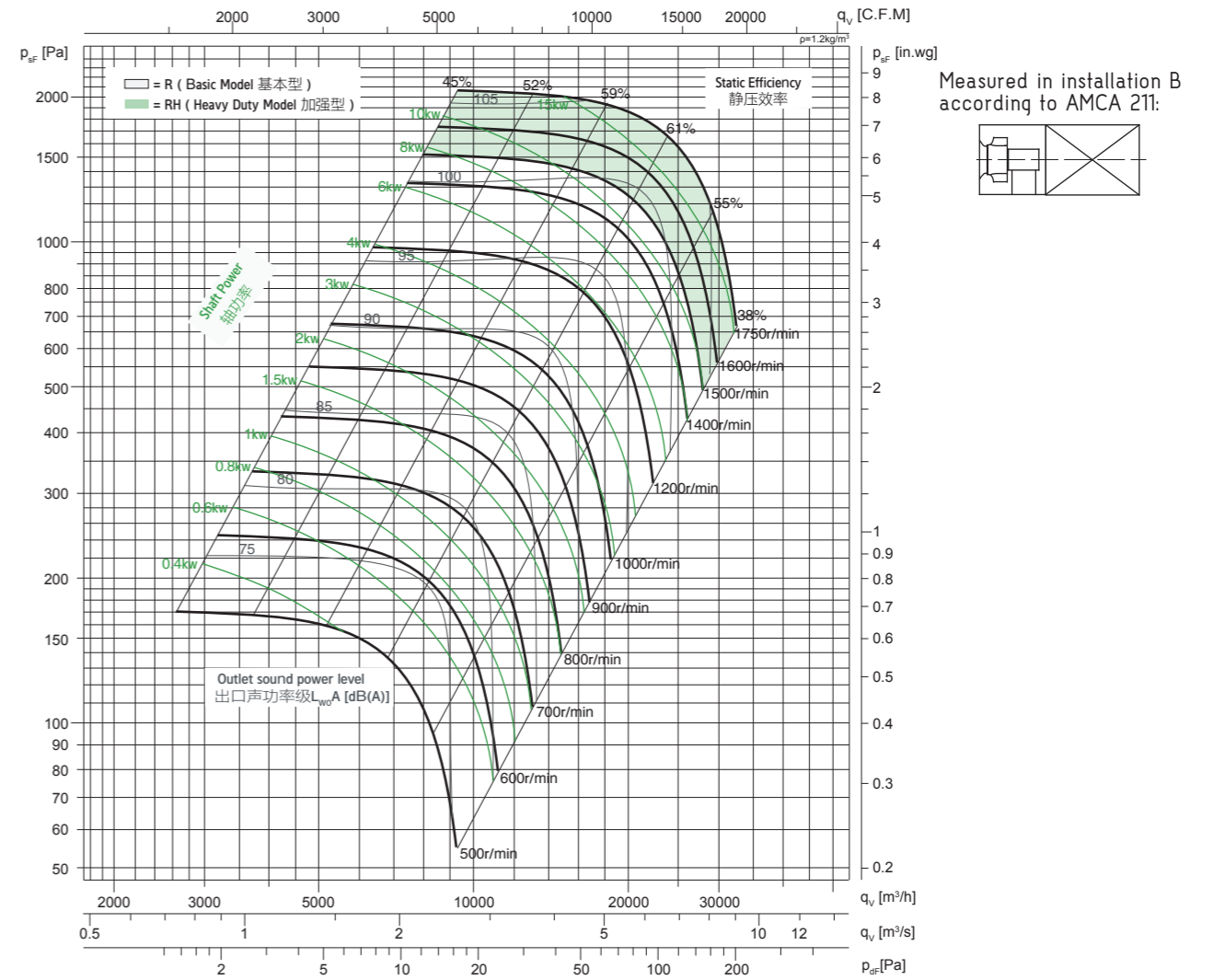
Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-28	-11	-8	-8	-4	-8	-15	-23	dB
54	-27	-12	-8	-7	-4	-7	-14	-23	dB
61	-27	-13	-8	-7	-4	-7	-15	-23	dB
64	-29	-17	-10	-7	-4	-7	-14	-23	dB
57	-30	-18	-11	-7	-4	-6	-13	-24	dB
42	-30	-18	-12	-7	-4	-5	-13	-24	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 710 mm	Fan weight 风机质量(不含电机)	m = 302 kg
Moment of inertia 转动惯量	J = 2.43 kg·m ²	Speed limit 极限转速	n _{max} = 1750 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet L_{w0}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级 (出口 L_{w0}A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m(A)} at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-38	-31	-27	-28	-27	-28	-30	-36	dB
52	-41	-31	-26	-28	-27	-28	-30	-35	dB
59	-38	-32	-27	-28	-26	-27	-29	-34	dB
61	-36	-32	-28	-29	-26	-27	-29	-34	dB
55	-35	-33	-29	-29	-26	-27	-28	-33	dB
38	-37	-35	-30	-30	-26	-27	-27	-32	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

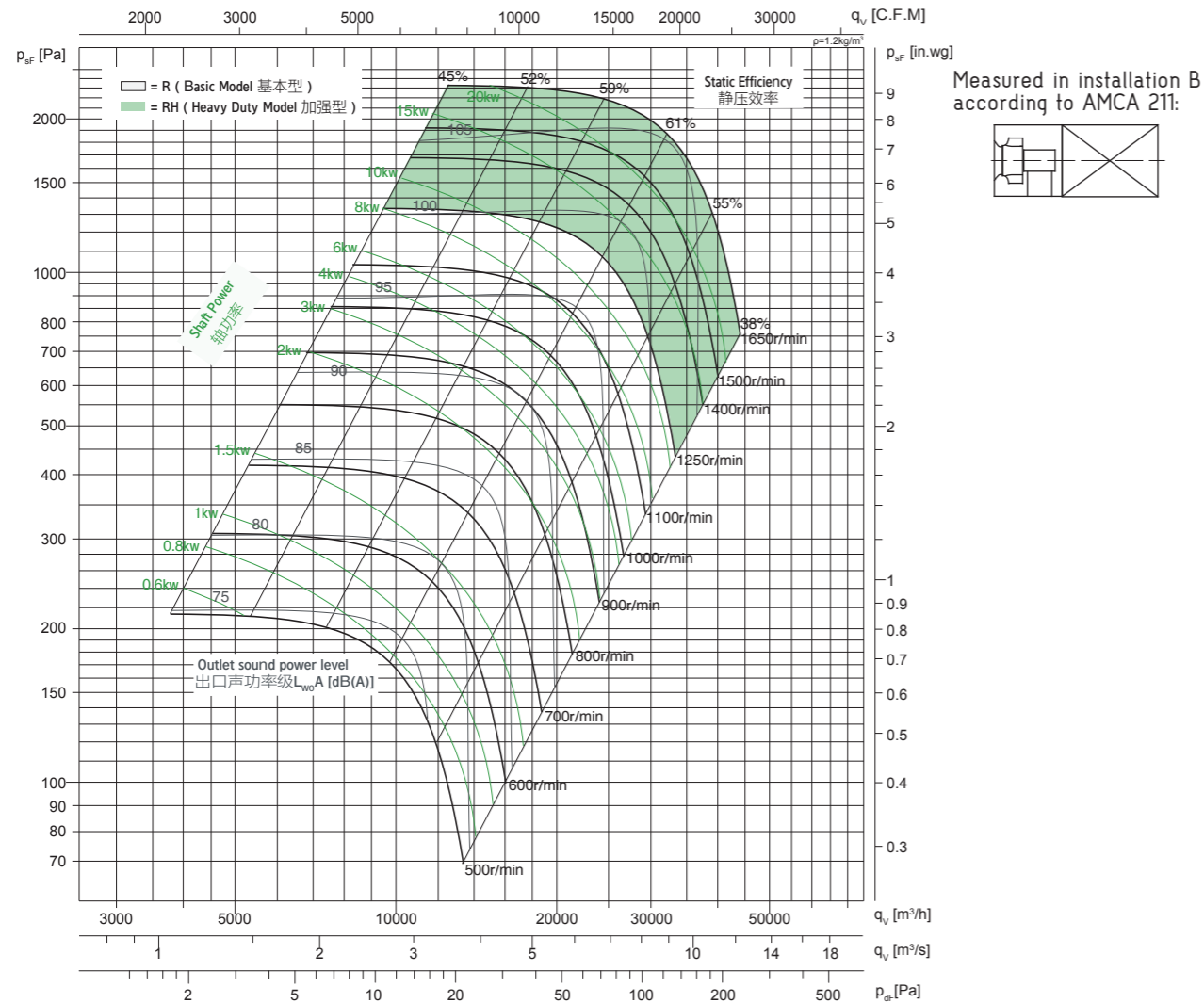
Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-26	-10	-9	-5	-4	-10	-16	-25	dB
52	-25	-11	-9	-5	-5	-10	-16	-25	dB
59	-25	-13	-8	-5	-5	-9	-15	-24	dB
61	-26	-10	-6	-5	-6	-11	-21	-21	dB
55	-28	-21	-12	-7	-5	-5	-10	-21	dB
38	-31	-21	-12	-8	-6	-4	-11	-22	dB

技术参数 Technical Data

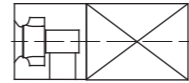
Wheel diameter 叶轮直径	D = 800 mm	Fan weight 风机质量(不含电机)	m = 352 kg
Moment of inertia 转动惯量	J = 4.88 kg·m ²	Speed limit 极限转速	n _{max} = 1650 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet L_{w0}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级 (出口 L_{w0}A)。



Measured in installation B according to AMCA 211:



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m(A)} at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-38	-31	-27	-28	-27	-28	-30	-36	dB
52	-51	-31	-26	-28	-27	-28	-30	-35	dB
59	-38	-32	-27	-28	-26	-27	-29	-34	dB
61	-36	-32	-28	-29	-26	-27	-29	-34	dB
55	-35	-33	-29	-29	-26	-27	-28	-33	dB
38	-37	-35	-30	-30	-26	-27	-27	-32	dB

Relative A sound power level for outlet side L_{w0(A)} at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0(A)}

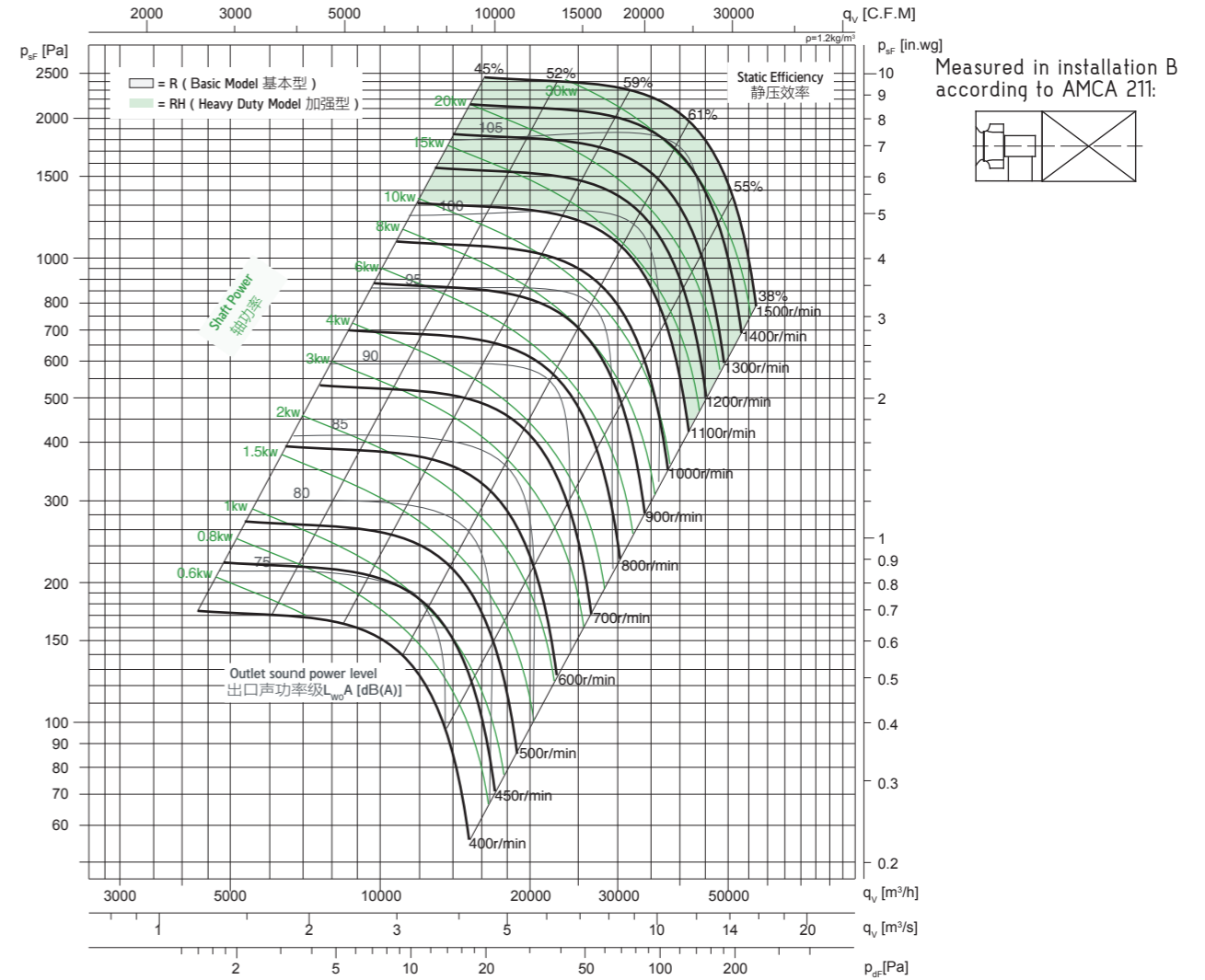
Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-26	-10	-9	-5	-4	-10	-16	-25	dB
52	-25	-11	-9	-5	-5	-10	-16	-25	dB
59	-25	-13	-8	-5	-5	-9	-15	-24	dB
61	-26	-20	-10	-6	-5	-6	-11	-21	dB
55	-28	-21	-12	-7	-5	-5	-10	-21	dB
38	-31	-21	-12	-8	-6	-4	-11	-22	dB

技术参数 Technical Data

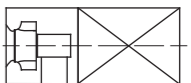
Wheel diameter 叶轮直径	D = 900 mm	Fan weight 风机质量(不含电机)	m = 425 kg
Moment of inertia 转动惯量	J = 7.32 kg·m ²	Speed limit 极限转速	n _{max} = 1500 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet L_{w0}A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级 (出口 L_{w0}A)。



Measured in installation B according to AMCA 211:



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m(A)} at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m(A)}

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-38	-31	-27	-28	-27	-28	-30	-36	dB
52	-41	-31	-26	-28	-27	-28	-30	-35	dB
59	-38	-32	-27	-28	-26	-27	-29	-34	dB
61	-36	-32	-28	-29	-26	-27	-29	-34	dB
55	-35	-33	-29	-29	-26	-27	-28	-33	dB
38	-37	-35	-30	-30	-26	-27	-27	-32	dB

Relative A sound power level for outlet side L_{w0(A)} at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0(A)}

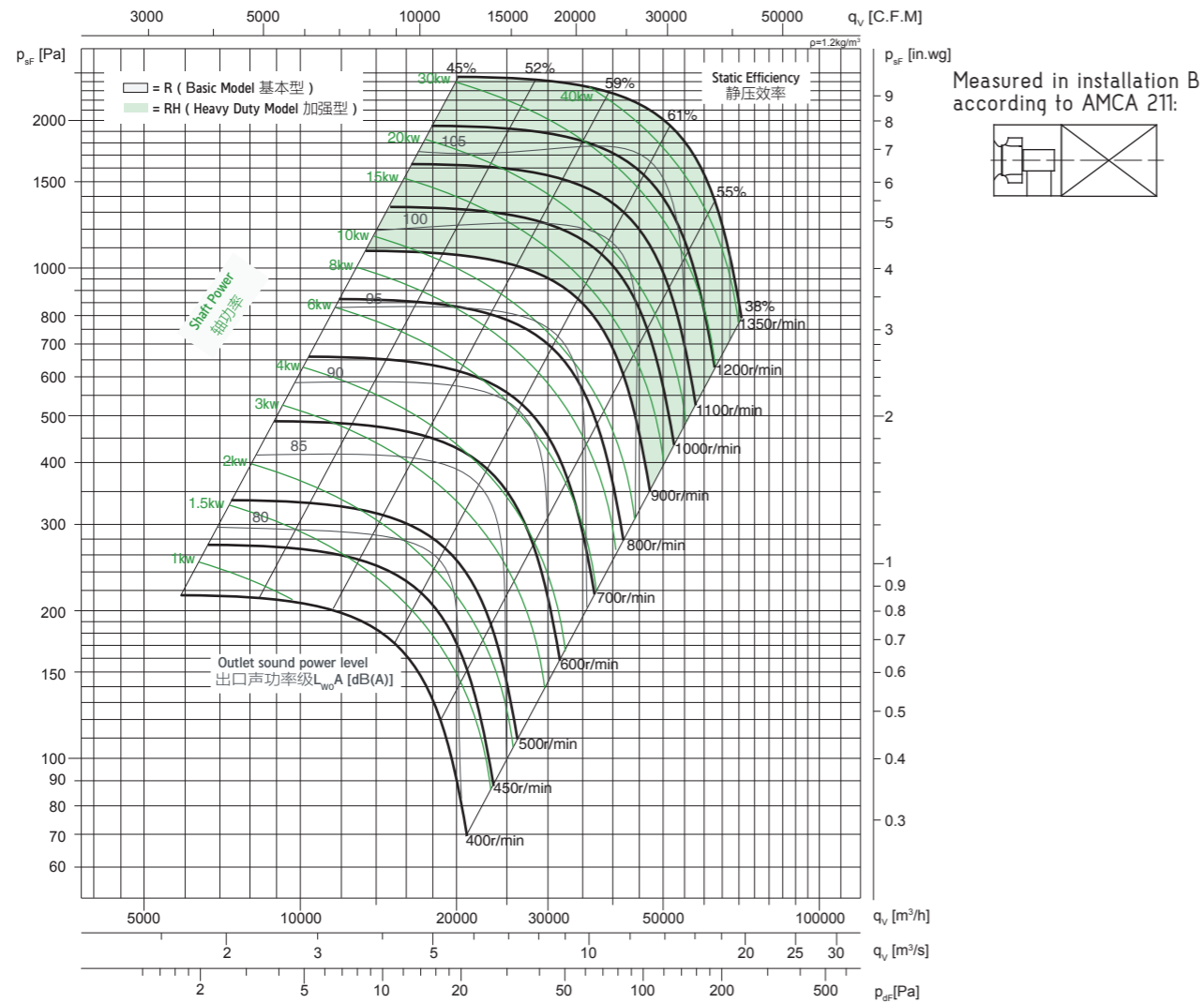
Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-26	-10	-9	-5	-4	-10	-16	-25	dB
52	-25	-11	-9	-5	-5	-10	-16	-25	dB
59	-25	-13	-8	-5	-5	-9	-15	-24	dB
61	-26	-20	-10	-6	-5	-6	-11	-21	dB
55	-28	-21	-12	-7	-5	-5	-10	-21	dB
38	-31	-21	-12	-8	-6	-4	-11	-22	dB

技术参数 Technical Data

Wheel diameter 叶轮直径	D = 1000 mm	Fan weight 风机质量(不含电机)	m = 510 kg
Moment of inertia 转动惯量	J = 11.94 kg·m ²	Speed limit 极限转速	n _{max} = 1350 r/min

性能曲线 Performance Curves

The fan's performance in the cabinet is certified by AMCA for installation type B: free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of cabinet and accessories. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for outlet L_{w0}. A sound power levels for installation type B: free inlet, ducted outlet. 箱式风机的内部风机性能经 AMCA 认证, 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箱体及其他附件的影响。所示 A 加权声音性能额定值已按 AMCA International 标准 301 计算, 该值为安装类型 B: 自由入口, 管道出口的声功率级(出口 L_{w0} A)。



噪声频谱 Noise Spectrum

Relative A sound power level for one meters from the cabinet L_{w1m(A)} at octave centre frequencies
箱体外侧1米处噪声八倍频谱A声功率级衰减值 L_{w1m(A)}

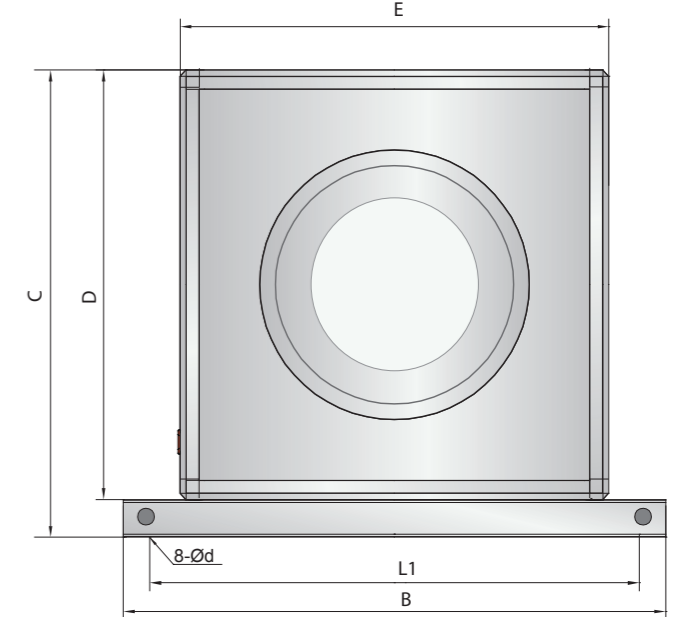
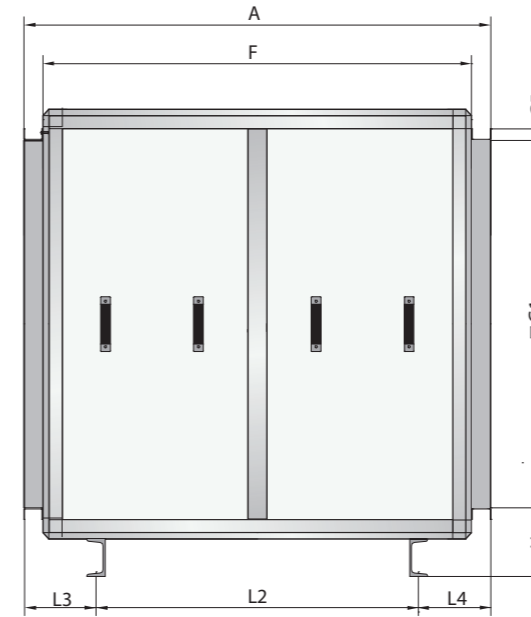
Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-38	-31	-27	-28	-27	-28	-30	-36	dB
52	-41	-31	-26	-28	-27	-28	-30	-35	dB
59	-38	-32	-27	-28	-26	-27	-29	-34	dB
61	-36	-32	-28	-29	-26	-27	-29	-34	dB
55	-35	-33	-29	-29	-26	-27	-28	-33	dB
38	-37	-35	-30	-30	-26	-27	-27	-32	dB

Relative A sound power level for outlet side L_{w0}(A) at octave centre frequencies
风机出口侧噪声八倍频谱A声功率级衰减值 L_{w0}(A)

Static Efficiency 静压效率 (%)	63	125	250	500	1000	2000	4000	8000	Hz
45	-26	-10	-9	-5	-4	-10	-16	-25	dB
52	-25	-11	-9	-5	-5	-10	-16	-25	dB
59	-25	-13	-8	-5	-5	-9	-15	-24	dB
61	-26	-20	-10	-6	-5	-6	-11	-21	dB
55	-28	-21	-12	-7	-5	-5	-10	-21	dB
38	-31	-21	-12	-8	-6	-4	-11	-22	dB

CBPF系列箱式风机外形尺寸

CBPF Series Fan Overall Dimension

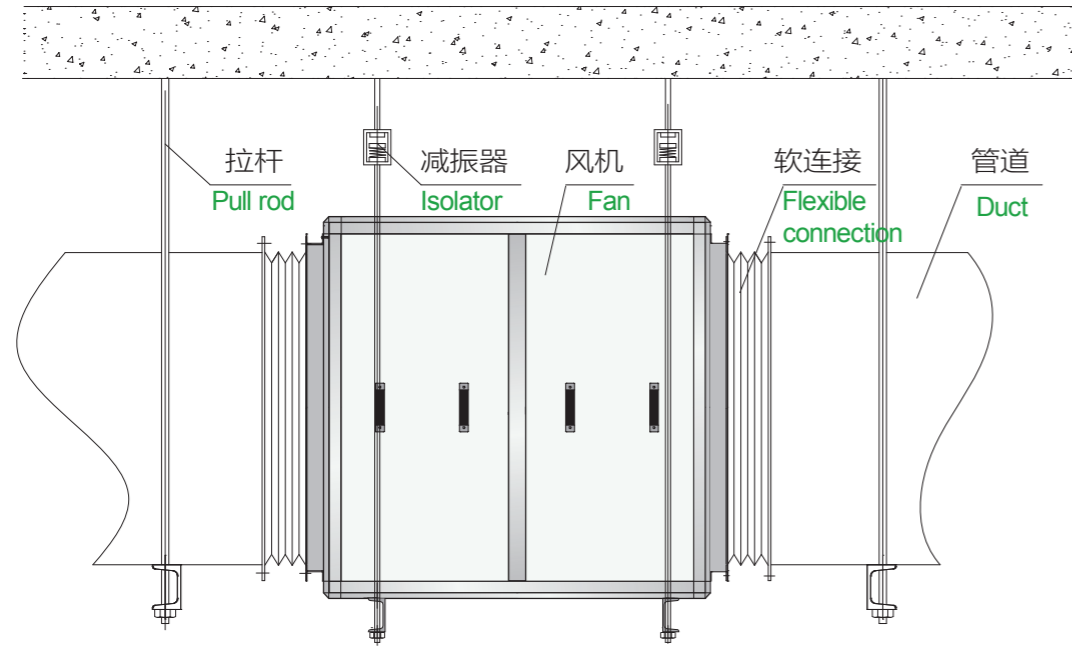


单位: mm

尺寸 型号	A	B	C	D	E	F	G1	G5	H	L1	L2	L3	L4	ød
CBPF250	582	790	563	500	500	500	380	30	123	660	360	120	102	14
CBPF280	612	820	593	530	530	530	408	30	123	690	370	130	112	14
CBPF315	682	890	663	600	600	600	478	30	123	760	440	130	110	14
CBPF355	702	910	683	620	620	620	498	30	123	780	460	130	112	14
CBPF400	755	970	743	680	680	680	538	30	138	840	505	137.5	112.5	14
CBPF450	855	1080	860	780	780	780	638	30	155	940	590	145	120	14
CBPF500	975	1200	980	900	900	900	758	30	155	1060	710	145	120	14
CBPF560	1035	1260	1040	960	960	960	818	30	160	1120	770	145	120	14
CBPF630	1085	1310	1090	1010	1010	1010	868	30	160	1170	810	150	125	14
CBPF710	1205	1430	1230	1130	1130	1130	968	30	190	1290	850	190	210	14
CBPF800	1325	1550	1350	1250	1250	1250	1088	30	190	1410	930	210	185	14
CBPF900	1475	1700	1500	1400	1400	1400	1238	30	190	1560	1060	220	195	18
CBPF1000	1625	1850	1650	1550	1550	1550	1388	30	190	1710	1150	250	225	18

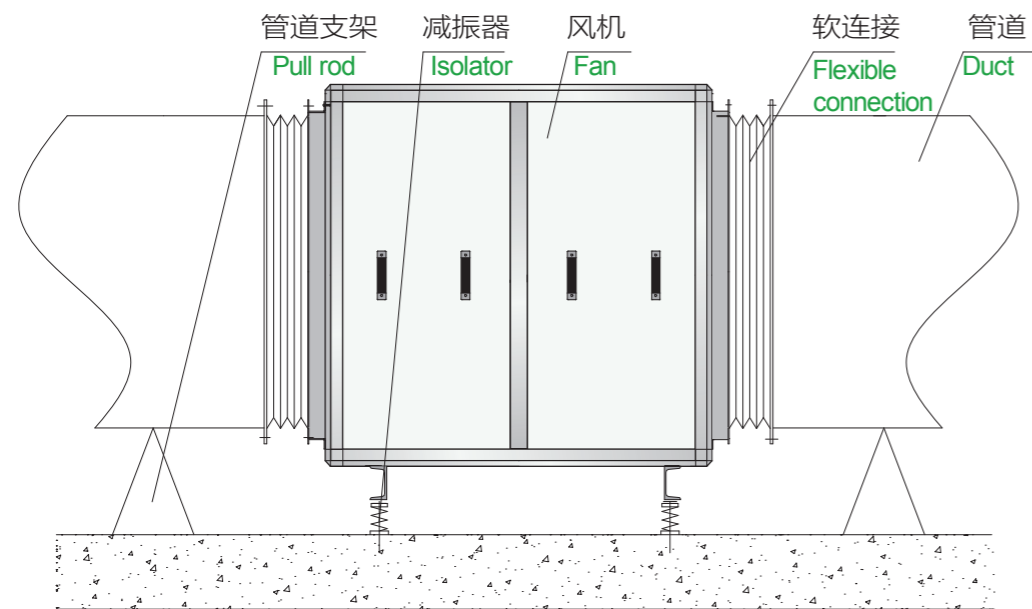
CBPF系列箱式风机吊装示意图

CBPF Ceiling Installation Schematic Diagram



CBPF系列箱式风机地装示意图

CBPF Floor Installation Schematic Diagram



AXA 系列轴流风机