

提供最可靠、便利的空气运动与控制、调节服务。

To provide the most reliable and user-friendly air movement & control and air conditioning service.



本公司保留更改样本的权利，恕不另行通知。Due to continuing research, Shanghai Nautilus reserves the right to change specifications without notice.

上海诺地乐通用设备制造有限公司
SHANGHAI NAUTILUS GENERAL EQUIPMENT MANUFACTURING CO LTD

地址：上海市嘉定区外冈镇清能路55号
Add: No. 55 Qingneng Road, Waigang Town, Jiading District, Shanghai
邮编 (P.C): 201806
电话 (Tel): 86 21 39185688
售后服务电话：400 821 3316
传真 (Fax): 86 21 69168759
Http: //www.infinair.com

管道风机节能王™
INLINE SUPER-E™
“大都会”系列主打产品
COSMOPOLIS Series Principle Product

- | | |
|--------------------|---|
| • 专利的全混流叶轮设计 | • Patented fully mixed flow wheel design |
| • 平衡等级高达 G2.5 | • Balance quality grade up to G2.5 |
| • 管道风机节能王 | • Inline Super-E™ |
| • 直联或皮带全系列 | • Full series direct drive or belt drive |
| • 管道送排风、防爆送排风、消防排烟 | • Inline air supply & exhaust, explosion-proof supply & exhaust, smoke removal duty |

G2.5



公司介绍 Company Profile

上海诺地乐通用设备制造有限公司是集研发、生产、销售为一体的中高端通风、燃气采暖及空气净化设备解决方案供应商。公司成立于2003年9月，坐落于上海市嘉定区。公司是美国绿色建筑委员会（USGBC）会员，国际空气运动与控制协会（AMCA）会员，上海市高新技术企业，**INFINAIR®** 荣获上海市著名商标。

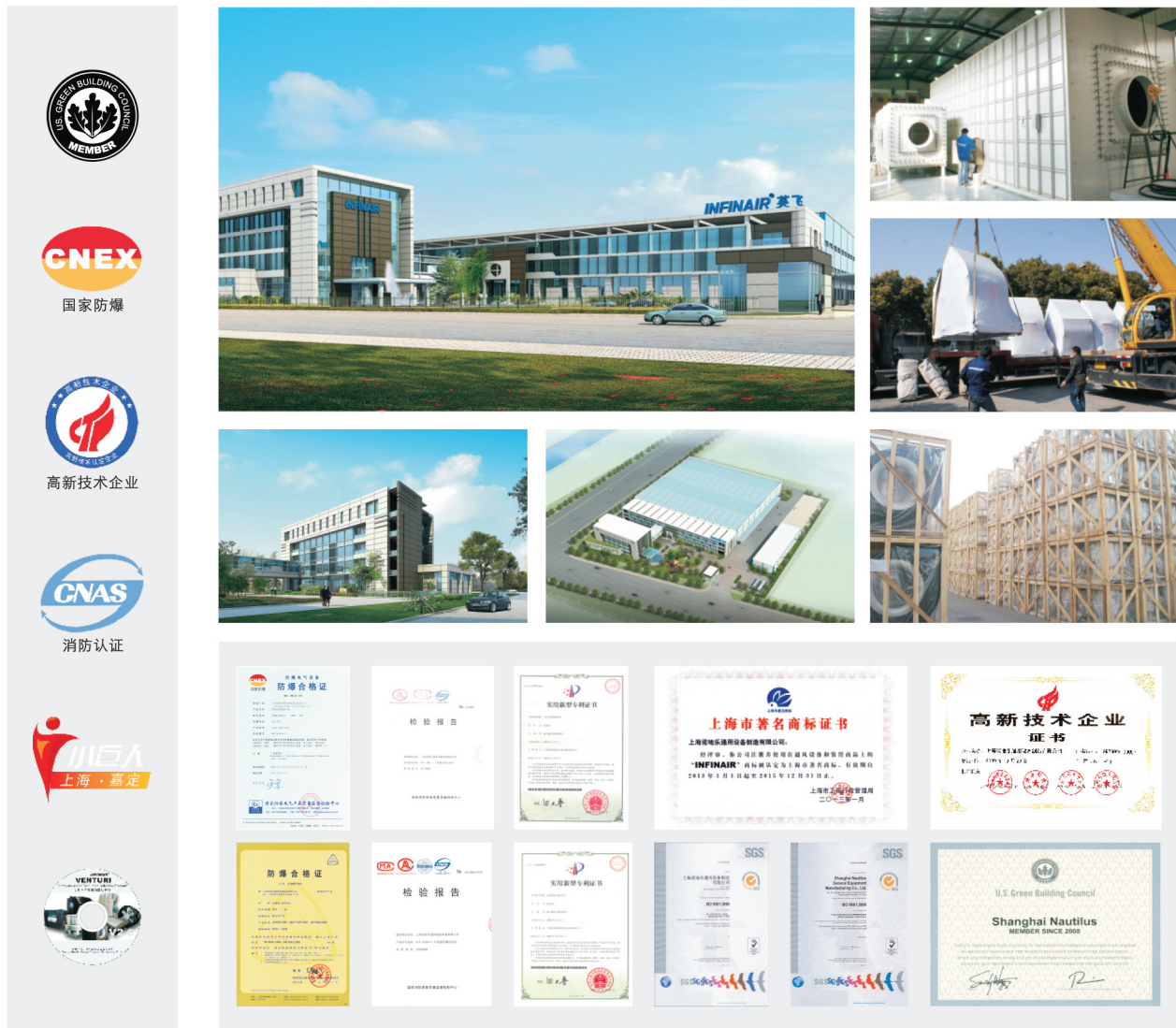
Shanghai Nautilus General Equipment Manufacturing Co., Ltd. is a middle and high-end solution provider of air supply and gas heating and air cleaning equipment that integrates R&D, production and sales. Established in September, 2003, it is located in the Jiading District of Shanghai. The company is the member of the US Green Building Council (USGBC) and Air Movement and Control Association (AMCA) International, the high and new tech enterprise of Shanghai, **INFINAIR®** won the famous trademark in Shanghai.

英飞愿景：成为最值得信任的专业空气运动与控制、调节品牌。

Vision statement: To become the most trustworthy brand of professional air movement & control and air conditioning.

英飞使命：提供最可靠、便利的空气运动与控制、调节服务。

Mission statement: To provide the most reliable and user-friendly air movement & control and air conditioning service.



第三方认证
公司场景
专利证书

上海诺地乐通用设备制造有限公司特此证明，此处所示的YFIMF系列产品获得了加盖AMCA印章的授权。所示额定值系根据AMCA出版物211和AMCA出版物311进行测试和程序确定，并符合AMCA认证额定值计划的要求。
Shanghai Nautilus General Equipment Manufacturing Co., Ltd. certifies that the Model YFIMF shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



“风火轮”系列高效全混流叶轮

KOOL-WHEEL series fully mixed flow wheel

● 全混流：完全超越半混流时代
Fully mixed flow: completely surpass the time of semi mixed flow

- 革命性突破：叶轮带前盘，真正全混流
Revolutionary breakthrough: Wheel with front disc, achieving real fully mixed flow
- 流道全程约束，提升气动特性
Full-process control over flow passage to improve aerodynamic characteristics
- CFD流场模拟优化设计
Optimized design of CFD flow field simulation
- 入口文丘里管：流线型设计
Inlet Venturi tube: streamlined design
- 半球型轮毂设计：大幅减少紊流和回流
Dome-shaped hub: greatly reduce turbulent flow and backflow
- 不断优化三维曲面叶片设计
Continuously optimized 3D curved blade design

● 全混流的效果
Effect of fully mixed flow:

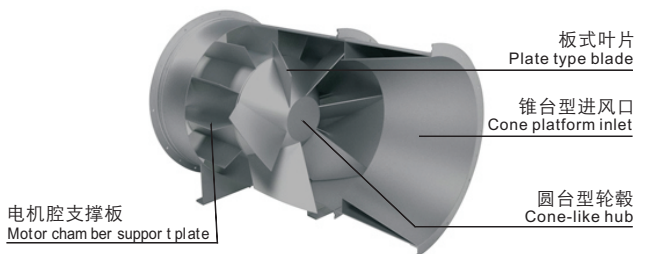
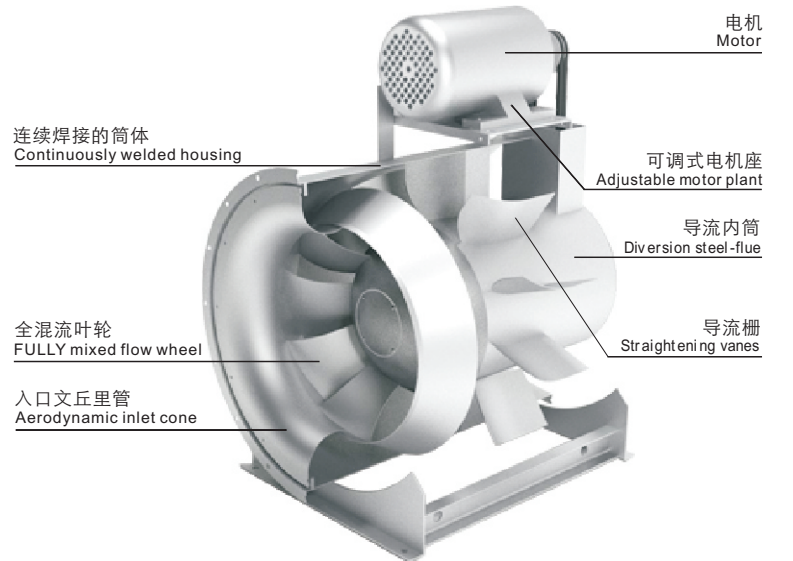
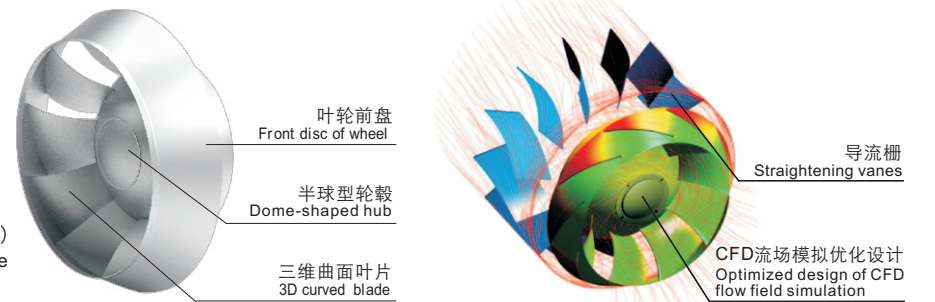
- 效率大幅度提升（与无前盘比较平均提升28%）
Greatly improve the efficiency (by 28% on average Comparing with no Front disc)
- 高效区宽
Wide performance range of high efficiency
- 中压管道风机的最佳选择
Optimal for medium-pressure inline fans
- “管道风机节能王”™
INLINE SUPER-E™

● 工艺先进
Advanced process

- 入口文丘里管和前盘：旋压工艺确保流线气动特性
Inlet Venturi tube & Front disc: spun: process to ensure streamlines aerodynamic characteristics
- 入口文丘里管：完全取代锥台确保气流顺畅
Inlet Venturi tube: completely replace cone, ensuring smooth air flow
- 叶片：专门夹具确保三维曲面焊接定位精确
Blades: dedicated fixture to ensure precise welding positioning of 3D curved surfaces
- 轮毂：弧度高达半球形，整流效果明显
Hub: dome shaped, with obvious cowling effect
- 平衡等级高达G2.5
Balance quality grade up to G2.5

● 与半混流叶轮的区别
Difference from semi mixed flow wheel

- 半混流叶轮前盘：无
Front disc: none for semi mixed flow wheel
- 半混流叶轮入口文丘里管：无，采用锥台代替
Inlet Venturi tube: none for semi mixed flow wheel substituted by a cone
- 半混流叶轮叶片：板式叶片
Blades: plate type blade for semi mixed flow wheel
- 半混流叶轮轮毂：圆台型设计，有紊流
Hub: cone-like design for semi mixed flow wheel, with turbulent flow
- 半混流叶轮筒体导流栅：无
Straightening vanes within the cylinder: none for semi mixed flow wheel



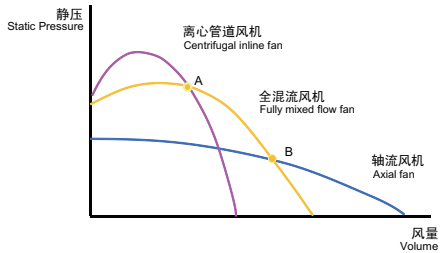
产品特性

Product features

性能特征

Performance features

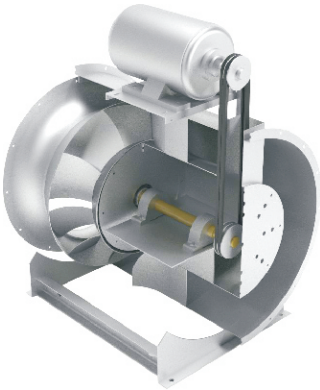
- 与离心式管道风机相比：效率更高
Compared with inline centrifugal fan: higher efficiency
- 与轴流式管道风机相比：压力更高
Compared with inline axial fan: higher pressure
- 在AB点之间，效率高，噪音低，
Between Point A and Point B: high efficiency and low noise
- 在AB点之间，管道风机的最佳选择
Between Point A and Point B: optimal for inline fans



皮带传动的优势：精确,可调节

Advantages of belt drive: precise, adjustable

- 风量现场可调节
Air volume is adjustable on site
- 选型更精确，契合设计工况要求
More precise selection up to the requirements of design conditions
- 电机维修更换更便捷
Easier maintenance and replacement of motor
- 独立的轴承承担振动，延长轴承寿命
Independent bearings to bear the vibration, extending bearing life
- 可实现现场旋转、使电机处于不同位置
On-site rotation, with motor at different position
- 配备可调节皮带松紧的底座
With adjustable motor plant for belt tightness
- 现场设计变更：可灵活调节
Site design change: can be adjusted flexibly



功能齐全

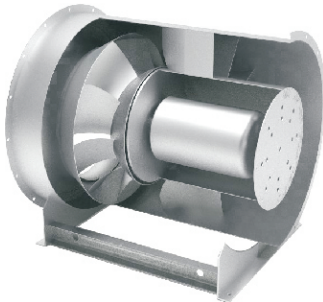
Complete functions

- 消防排烟、正压送风、消防认证
Smoke removal duty, positive pressure air supply, smoke removal certification
- 防爆送排风
Explosion-proof supply & exhaust
- 双速送排风
Two-speed ventilation
- 变频调速
Variable frequency to regulate fan speed
- 实验室排风
Laboratory exhaust
- 加风帽的户外屋顶安装
Outdoor roof installation with cowl

直连驱动的优势：高效,免维护

Advantages of direct drive: efficient, maintenance-free

- 更高的传送效率
Higher transmission efficiency
- 无易损件，维护率低
No wearing parts, low maintenance
- 保养和维护更简便有效
Easier and more effective of maintenance
- 电机采用密封式免润滑轴承，提升使用寿命
Sealed self-lubricating bearing for motor, increasing service life
- 紧凑的结构设计节约安装空间
Compact design to save installation space



安装方便、灵活多样

Convenient and flexible installation

- 水平座装
Horizontal installation on base
- 水平吊装
Horizontal suspension
- 垂直座装
Vertical installation on base
- 垂直吊装
Vertical suspension
- 屋顶安装
Roof installation

英飞盾-分子膜™涂装：历久弥新

INFI-KOAT Molecular Film™: long-lasting coating

- 先进的“英飞盾-分子膜”技术：环氧树脂
Advanced *INFI-KOAT Molecular Film* technique: epoxy resin
- 酸洗、磷化、碱洗，确保表面清洁
Pickling, phosphating and caustic washing to ensure clean surface
- 固体粉末静电吸附，涂层均匀
Electrostatic incorporation of solid powder to obtain uniform coating
- 高温炉内熔融成膜，附着力强
High-adhesion film melt within high temperature furnace
- 抗紫外线，耐潮湿，耐海洋性气候
Resistance to ultraviolet, moisture and marine climate
- 耐大面积均匀腐蚀，也耐局部点状腐蚀
Resistance to large area of uniform corrosion and local pitting corrosion
- 可定制颜色
Custom colors viable

认证与专利

Patent and certification

- 国家专利产品
National patented products
- AMCA空气性能、声音和效率等级认证
AMCA certification for air performance, sound and FEG
- 效率等级经AMCA认证
FEG is licensed by AMCA
- 产品贴有AMCA认证印章
Products with AMCA certification Seal
- 提供完整8段倍频程数据
Complete octave data

可选附件

Options

环氧电机防雨罩（仅适合皮带驱动型）

Epoxy motor cover (*For belt drive type only*)

- 在电机防雨同时及时散发热量，延长电机寿命，降低电机噪声；
To rainproof and exhaust heat, extend motor life and reduce motor noise.

延长安装吊架（仅适合皮带驱动型）

Extension hanger (*For belt drive type only*)

- 为满足电机处于不同位置的安装需求，调整设备质心，使得减振器的受力均匀；
To meet the installation requirements of the motor at different positions, adjusting the center of mass of the equipment and ensuring equal force on the vibration damper.

重力式止回风阀

Gravity back-draft damper

- 专业设计的方形钢制重力式止回风阀，含前后套法兰以及保证叶片正常开启的套箱，独立于风机本体安装；
Professionally designed square steel damper include inlet/outlet flange and combined box which insures the blade open properly. The damper is installed separately from the fan body.

风量调节阀

Air volume regulating damper

- 具备风量调节的作用的方形镀锌钢制，可另配电控和手动两种执行器；
Square galvanized steel damper for air volume regulation, optionally equipped electric and manual actuators.

防火调节阀（常开）

Fireproof regulating damper (constantly open)

- 平常呈常开状态，空气温度达到280℃时（可根据不同温度要求选择），熔断器动作，阀门自动关闭，同时输出信号反馈到控制系统，除防火功能外，同时具备风量调节的功能；
The regulator is normally open. Once the temperature reaches 280℃ (can be selected according to different temperature requirements), the valve could automatically close and the signal will be sent out to the control system at the same time. Except for fire resisting, it has the function pf adjusting air volume.

排烟防火阀（常闭）

Fire damper (constantly closed)

- 平常呈常闭状态，空气温度达到70℃时，阀门打开，同时向外输出信号，实现设备联动排烟，当烟气温度达到280℃时，阀门和风机同时关闭；
The regulator is normally closed .when the air temperature reaches 70℃, the valve opens and meanwhile, outputs signal to realize smoke exhaust by equipment interlocking. When the smoke temperature reaches 280℃, the valve and the fan will close simultaneously.

表面喷涂颜色选择

Selection of top coat colors

- 可根据客户需求进行喷涂颜色的选择，与安装现场搭配更协调；
The coat colors can be selected according to the customer's requirements to better coordinate with the installation site;

检修开关

Access switch

- 安全检修开关可用于在维护风机时可靠切断电源，确保人身安全；
A safe access switch for reliably cutting off the power supply during fan maintenance to ensure personal safety;

减振器

Vibration isolators

- 减振器可选吊装或落地安装型，材料可选丁腈橡胶或弹簧。
Vibration isolators can be hung or floor-mounted, material can be neoprene or spring type.

软接头和对法兰

Flexible joint and companion flange

- 进风口软管头和对法兰，方便现场安装配置；
Flexible joints and companion flanges used for air inlet and outlet, convenient for field installation and configuration;

命名规范

Naming convention



产品结构

Product structure

皮带型
Belt drive type



直联型
Direct drive type

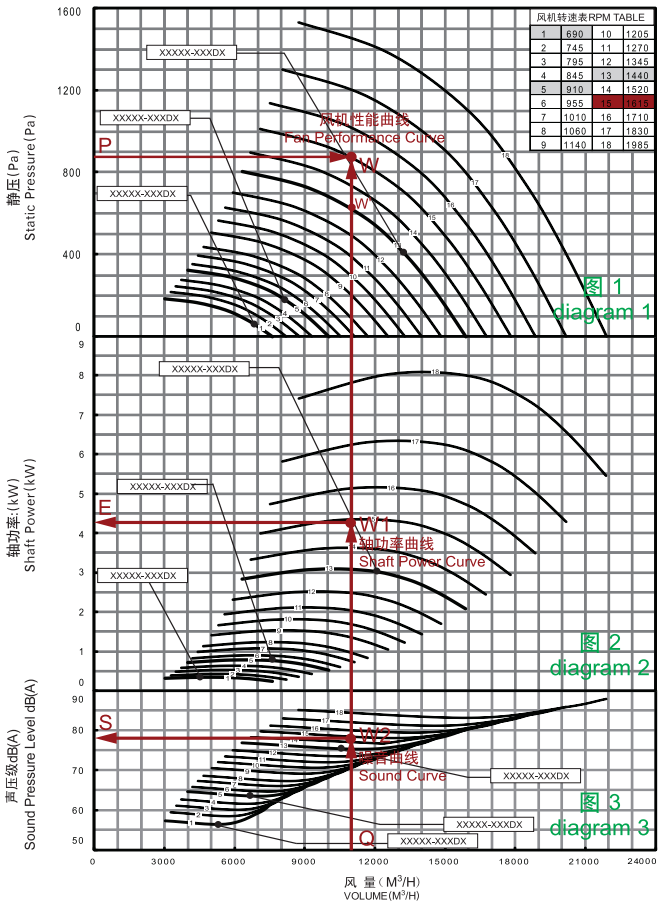


样本说明

- 每个型号风机由一族曲线表示不同转速下的性能。
- 粗曲线代表风机为直联型, 即叶轮与电机直接连接 (直联机型的型号已经在图中单独用箭头标出) 所有直联型号均应在叶轮直径后加字母D以及电机极数, 其风机转速与电机极数的对应关系如附表所示。
- 细曲线代表使用皮带连接, 通过选择两个皮带轮不同直径配比来得到所需转速, 而电机总是采用2、4、6极的。
- 轴功率曲线显示风机实际耗用的电能。
- 声压级曲线显示距离 1.5 米处的噪声。

Catalogue introduction

- Each fan performance is symbolized by a group of curves for different RPM.
- The bolded curves indicate the fan is direct drive which means the wheel is installed on the motor shaft directly. All direct drive models shall have a suffix letter D followed by motor pole number (which is already marked on the drawing). The attached table shows motor RPM at different number of poles.
- The not-bolded curves means the fan is belt drive. The belt drive models establish different RPM by choosing different diameter of the 2 pulleys, while the motor is always 2/4/6-pole.
- Shaft Power Curve displays the fan actual power consumption.
- The sound pressure level curve indicated the noise level at 1.5 meter distance.



性能曲线

Performance Curve

经认证的性能是B类安装:自由入口, 管道出口。功率额定值(kW)不包括传动损失。各项性能额定值不包括附属物(附件)的影响。所示A加权声音性能额定值已按 AMCA International标准301计算。所示值为安装类型B: 自由入口, 管道出口的声功率级 (入口LwIA)。所示声功率级额定值以分贝为单位, 参考声功率为10⁻¹²瓦, 按照AMCA International标准301计算。dB(A) 声压级参数基于每个倍频程在1.5米距离外按照11.5dB衰减计算。dB(A) 声压级未获AMCA International授权。

选型举例: 11000M³/h, 860Pa静压

- (1) 自给定风量 (图Q点: 11000M³/H) 出发作垂直线, 自给定静压 (图P点: 860Pa) 作水平线, 其交点 (W) 即为"工作点"。寻找离该点最接近的性能曲线 (应为第15号曲线), 其对应转速按照转速表应1615转/分。
- (2) 该垂直线与图2中相同编号的曲线交点为W1, 从该点作水平线与轴功率曲线坐标轴相交, 其交点E(约为4.4kW)即为实际功耗, 代表工作所需的电能。根据该功率, 应选择5.5kW电机。
- (3) 该垂直线与图3中相同编号的曲线交点为W2, 从该点作水平线与噪音曲线坐标轴的交点S (约为78dB(A)) 即为声压级噪音。
- (4) 根据上述步骤, 该型号初步选定为 YFIMF-710-5.5, 皮带驱动, 出厂转速设定1615RPM。如果希望功率或噪音更低, 可参考大一档风机进行比较, 但初投资会增加。
- (5) 进一步地, 如果需求为11000M³/h、615Pa静压, 则容易发现W'点距离13号加粗曲线(代表直连风机, 1450RPM, 4极电机)很接近, 则按照箭头标明的型号为 YFIMF-710D4配4kW电机, 其性价比更高。

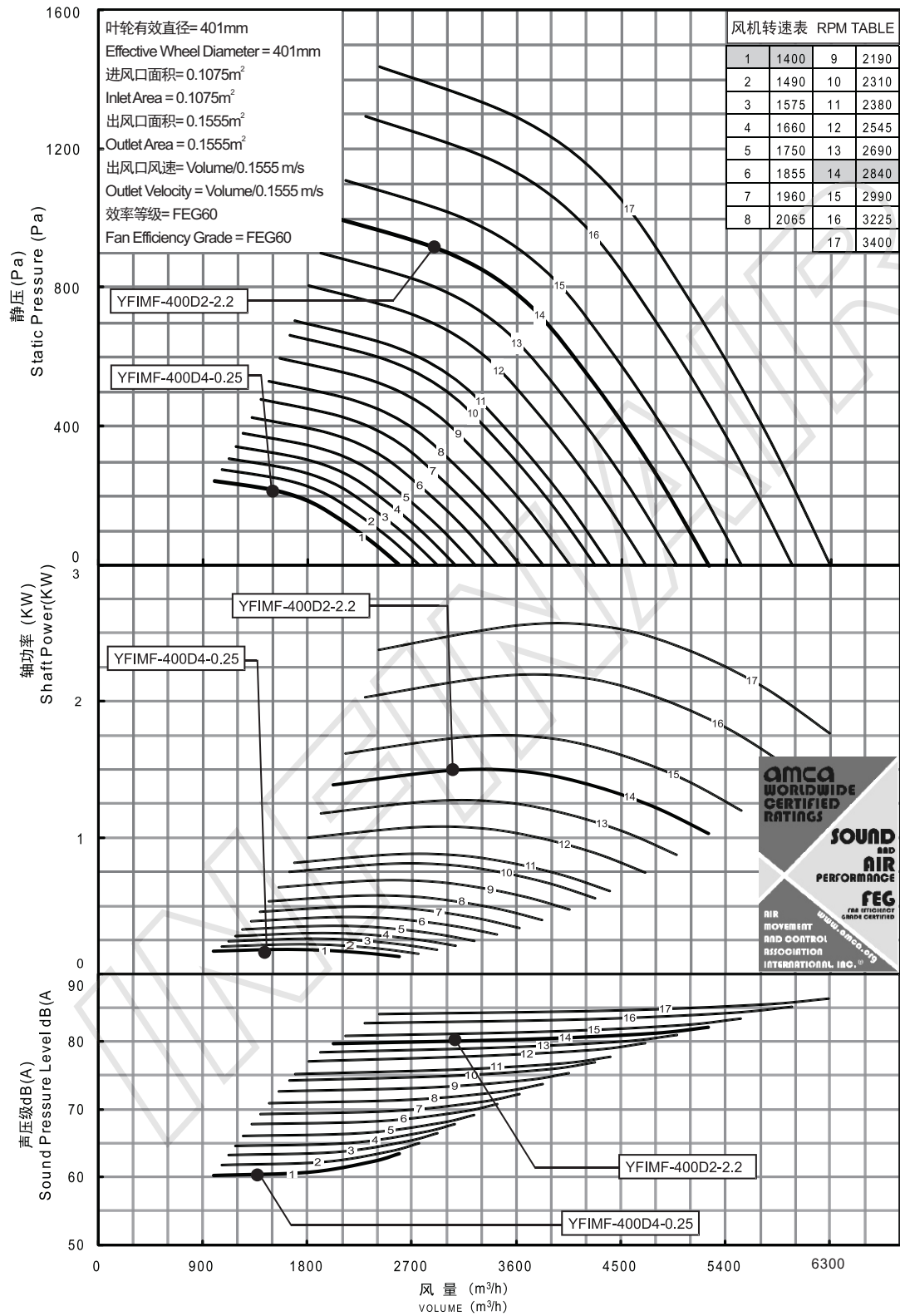
Example: 11000M³/h, 860Pa Static Pressure

- Step 1:** From given volume (Point Q: 11000M³/H) draw a vertical line upwards, from given static pressure (Point P: 860Pa) draw a horizontal line to the right, the intersection point W is the working point. Find a fan curve close to the point, which would be curve No. 15. As highlighted in the RPM table, it is 1615 RPM.
- Step 2:** The intersection point between the vertical line and the curve No. 13 in diagram 2 is marked as point W1. Draw a horizontal line from point W1 to the left coordinate, which makes point E. The point E (about 4.4 kW) is the shaft power. According to the shaft power, a 5.5kW motor shall be equipped.
- Step 3:** The intersection point between the vertical line and the curve No. 13 in diagram 3 is marked as point W2. Draw a horizontal line from point W2 to the left coordinate, which makes point S (about 78dB(A)). It is the fan sound pressure level.
- Step 4:** According to above steps, the primary model selection would be YFIMF-710-5.5, belt drive, and factory set to 1615RPM. If lower shaft power or noise is expected, you may compare with another larger fan. However a larger fan would increase primary investment.
- Step 5:** Furthermore, if customer needs 11000M³/H at 615Pa static pressure, you would find point W' is close to curve No.13 (bolded, indicates 1450 RPM 4 pole direct drive). Then a direct drive fan (YFIMF-710D4-4) can be selected which would be more economic.

电机转速 Motor Speed

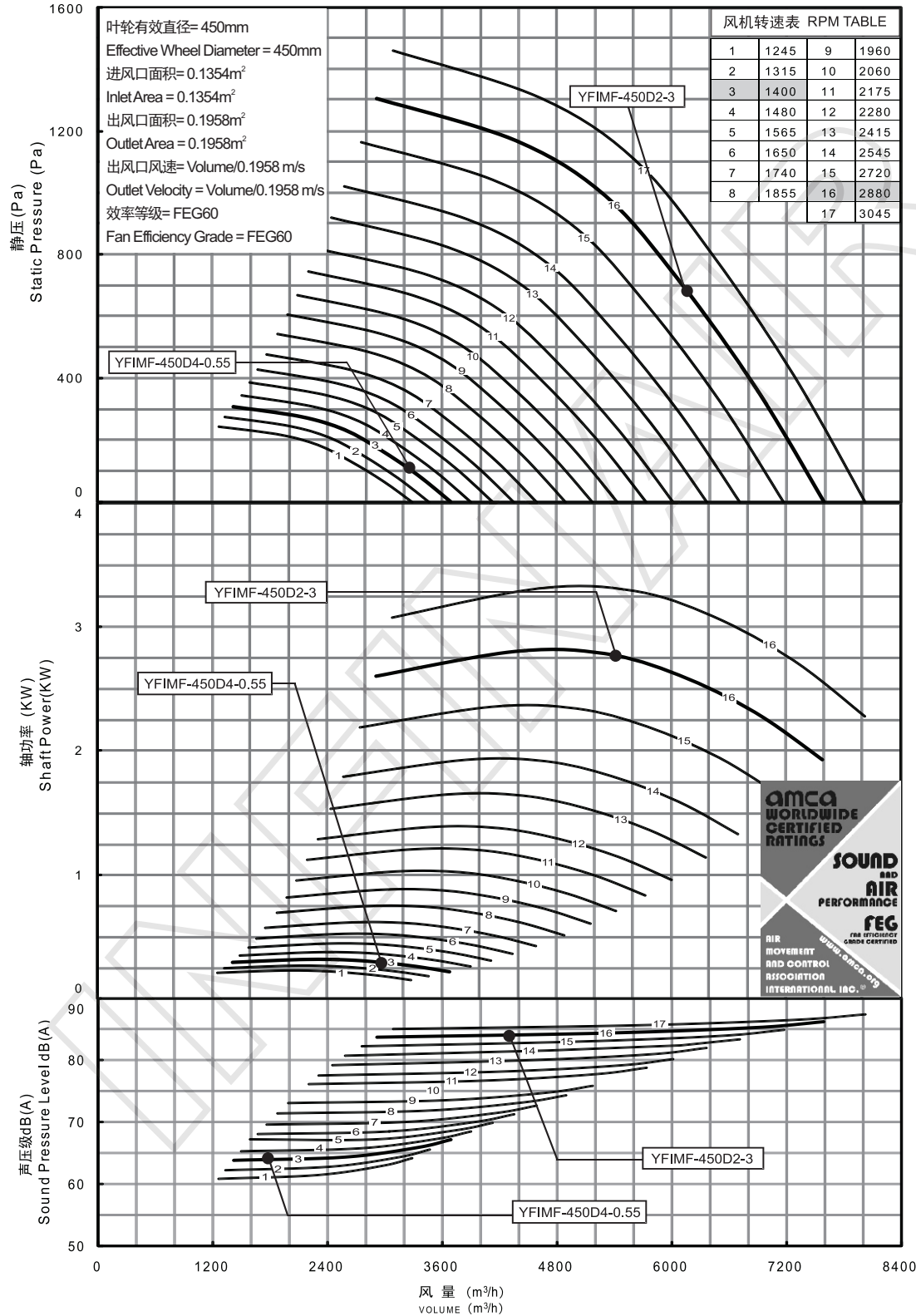
电机极数	电机转速(转/分)
No. of poles	RPM (About)
2	2900
4	1450
6	960
8	720

型号: YFIMF-400
Model: YFIMF-400



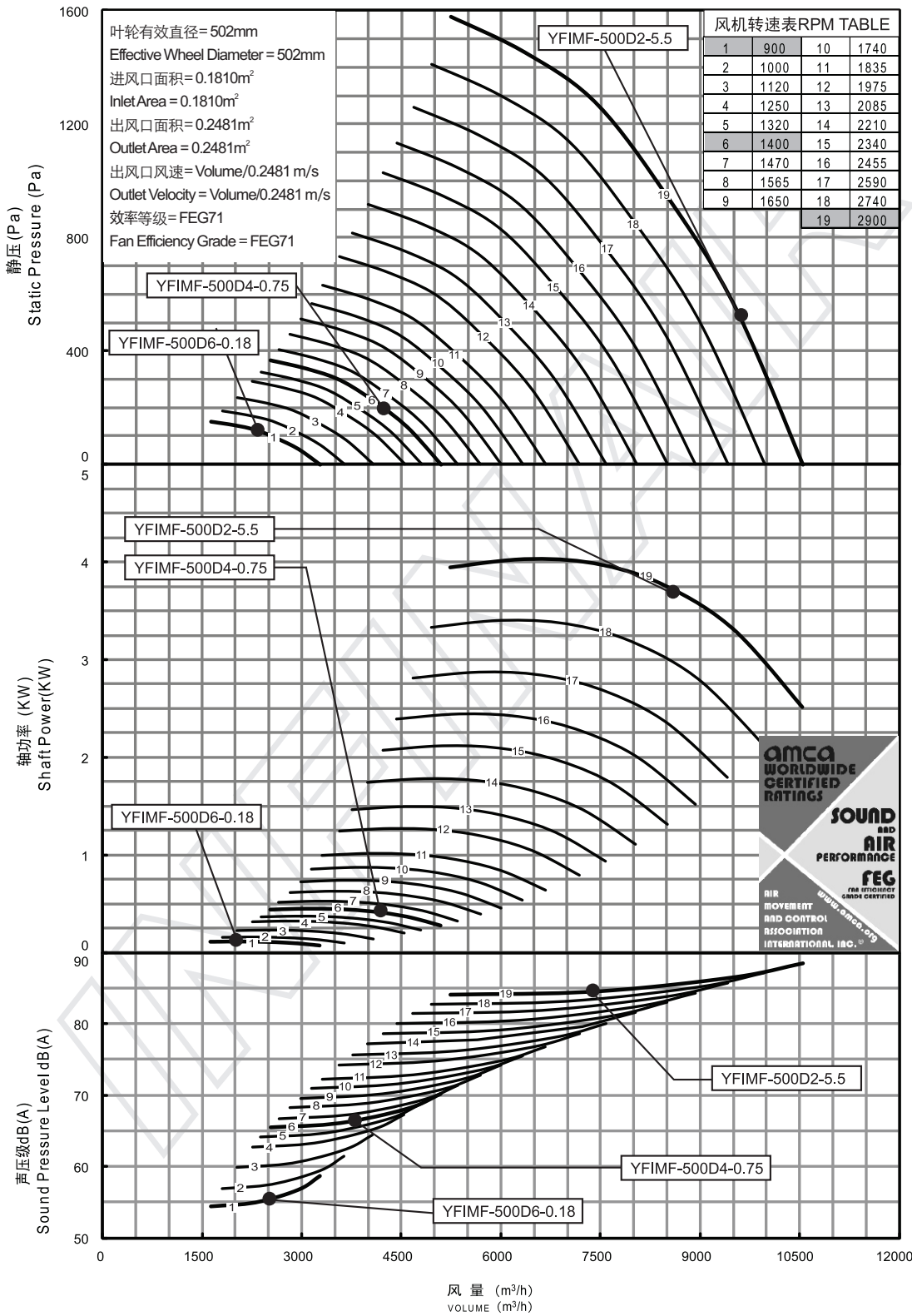
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.

型号: YFIMF-450
Model: YFIMF-450



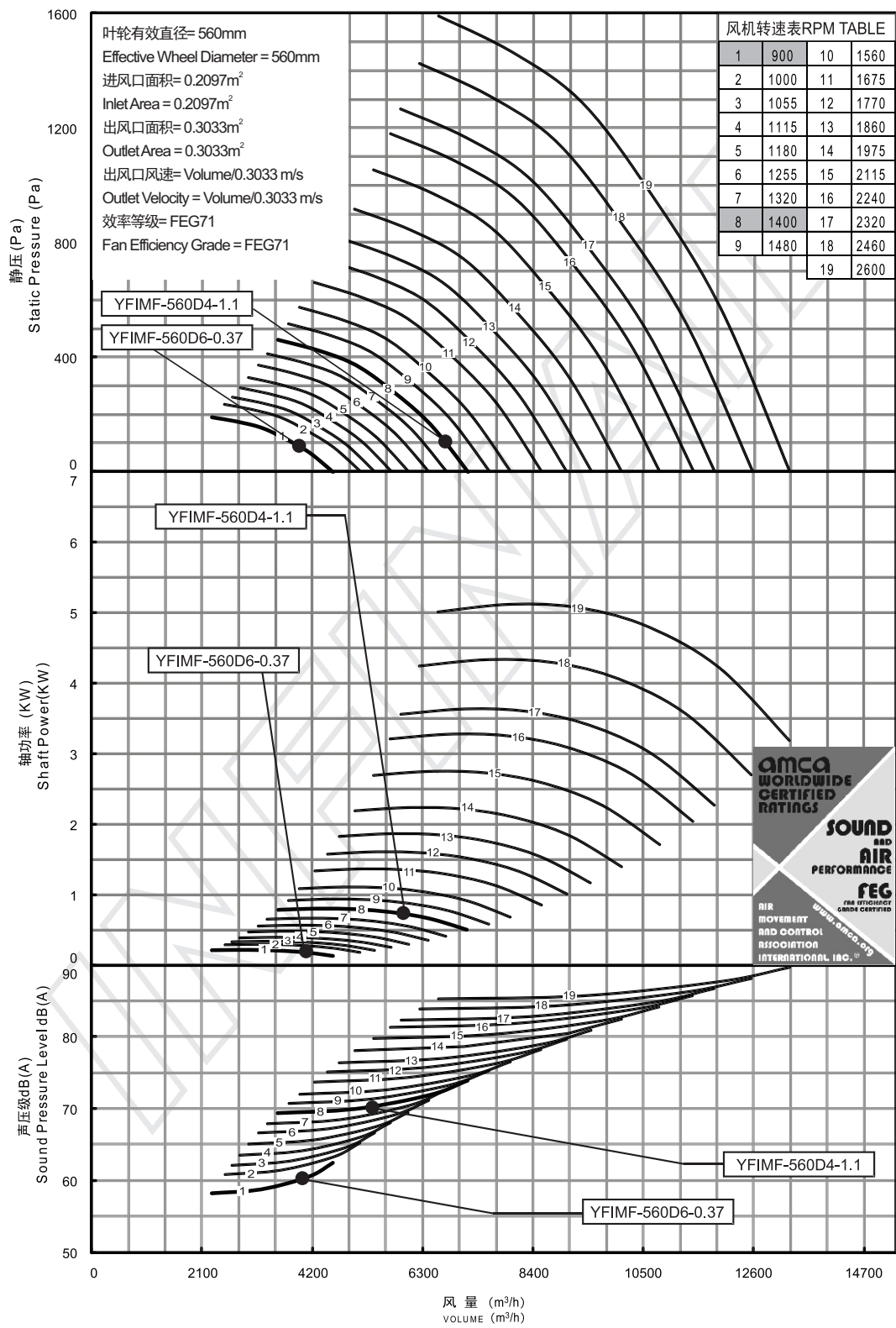
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.

型号: YFIMF-500
Model: YFIMF-500



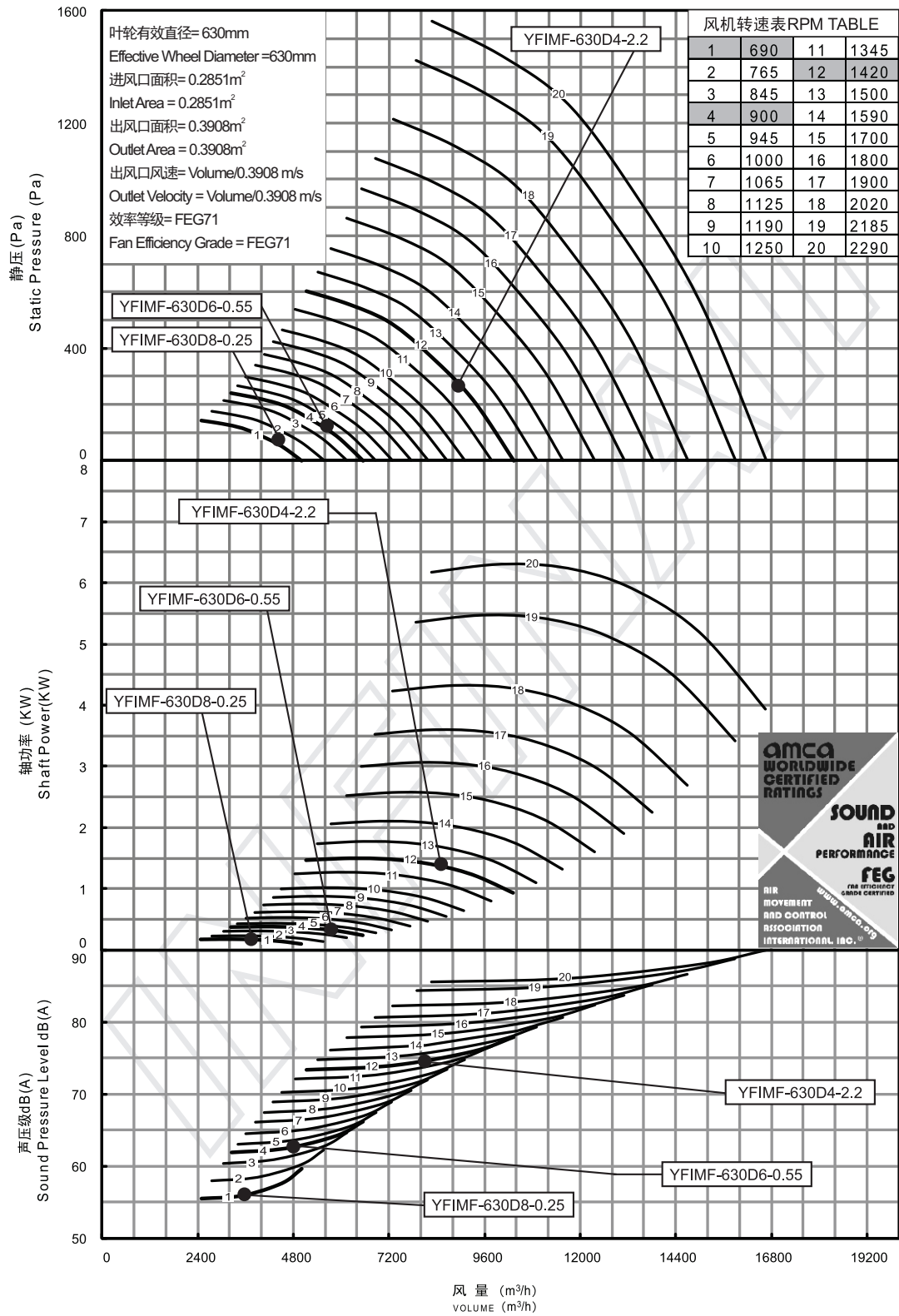
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.

型号: YFIMF-560
Model: YFIMF-560



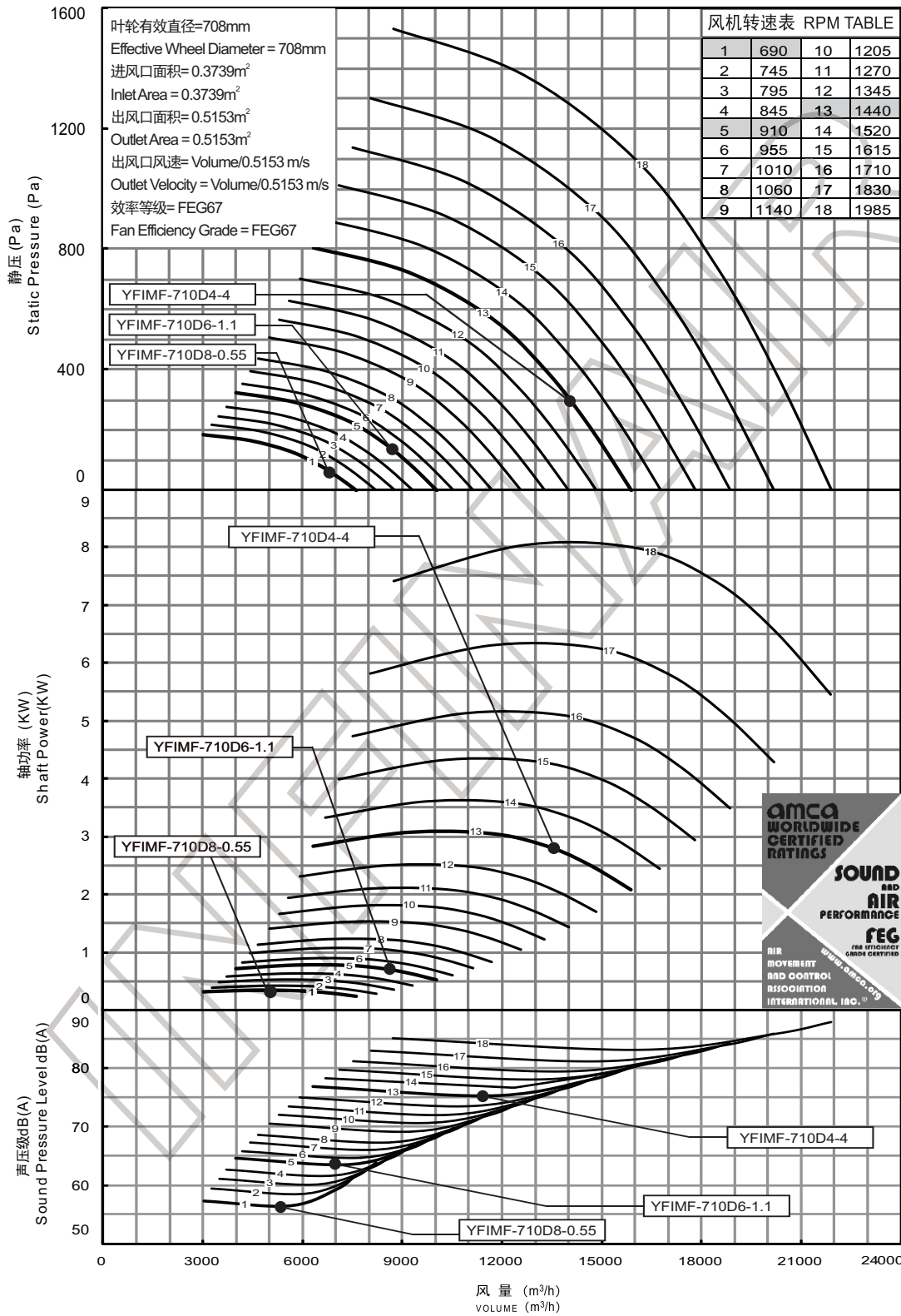
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.

型号: YFIMF-630
Model: YFIMF-630



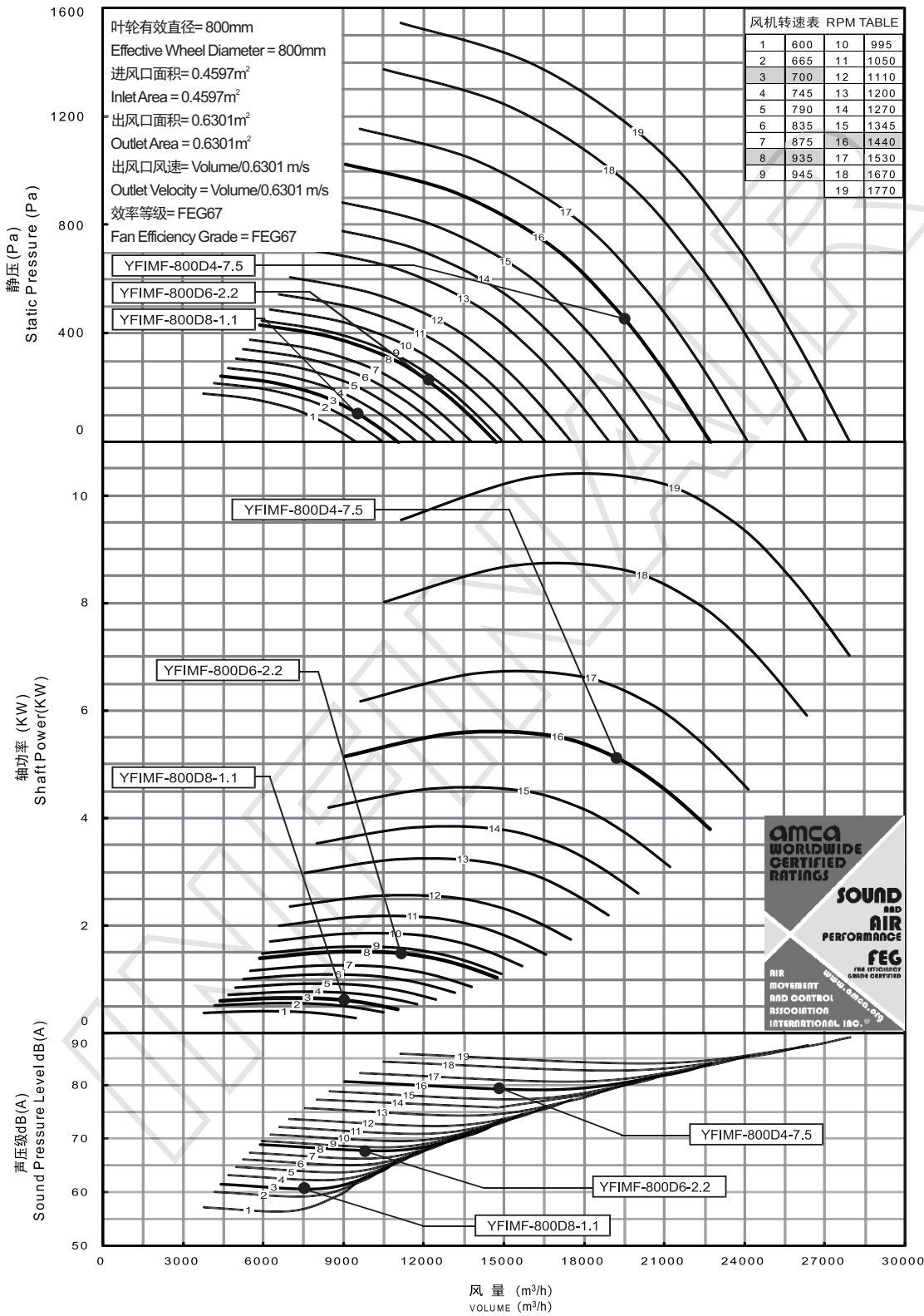
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.

型号: YFIMF-710
Model: YFIMF-710



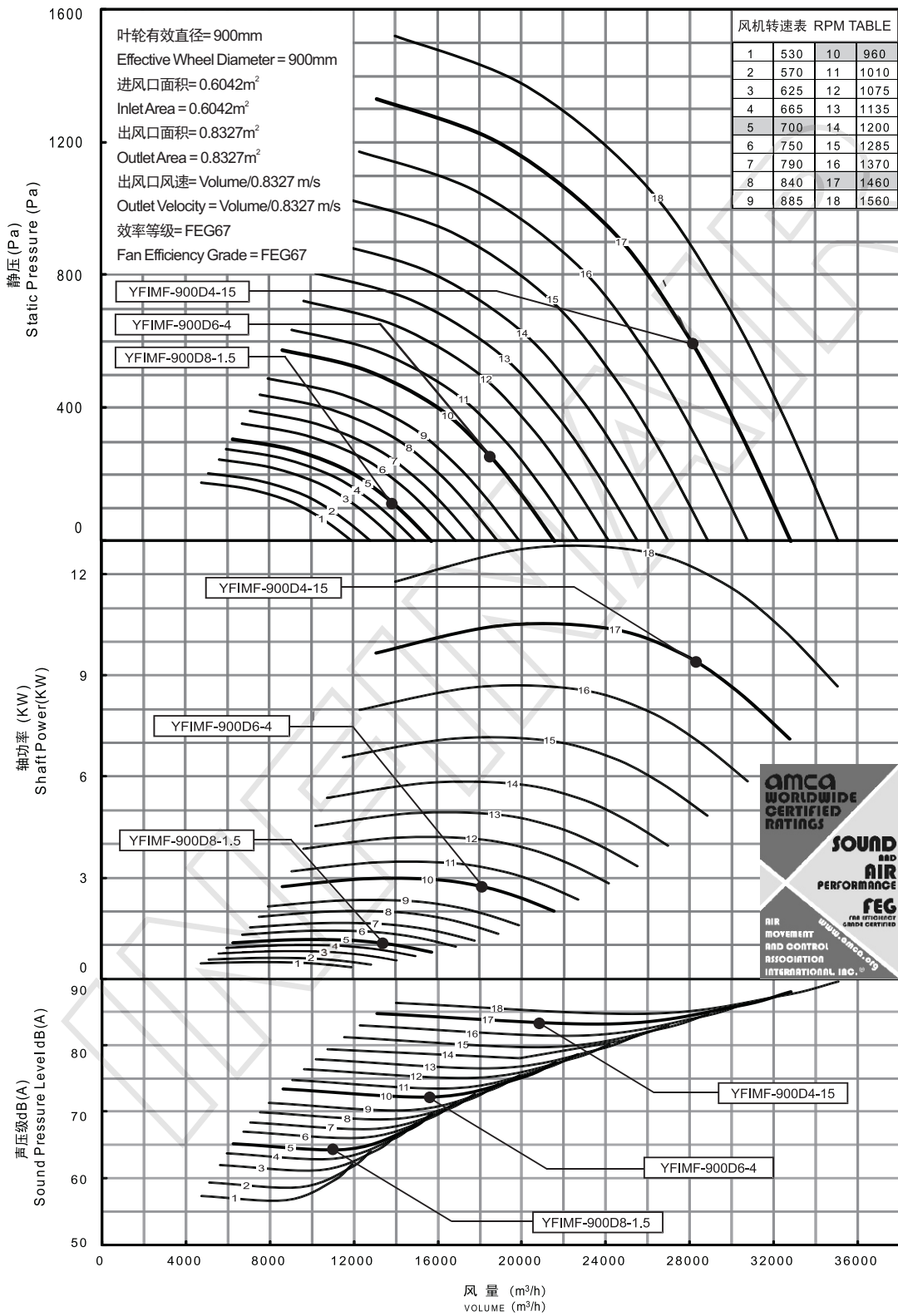
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.

型号: YFIMF-800
Model: YFIMF-800



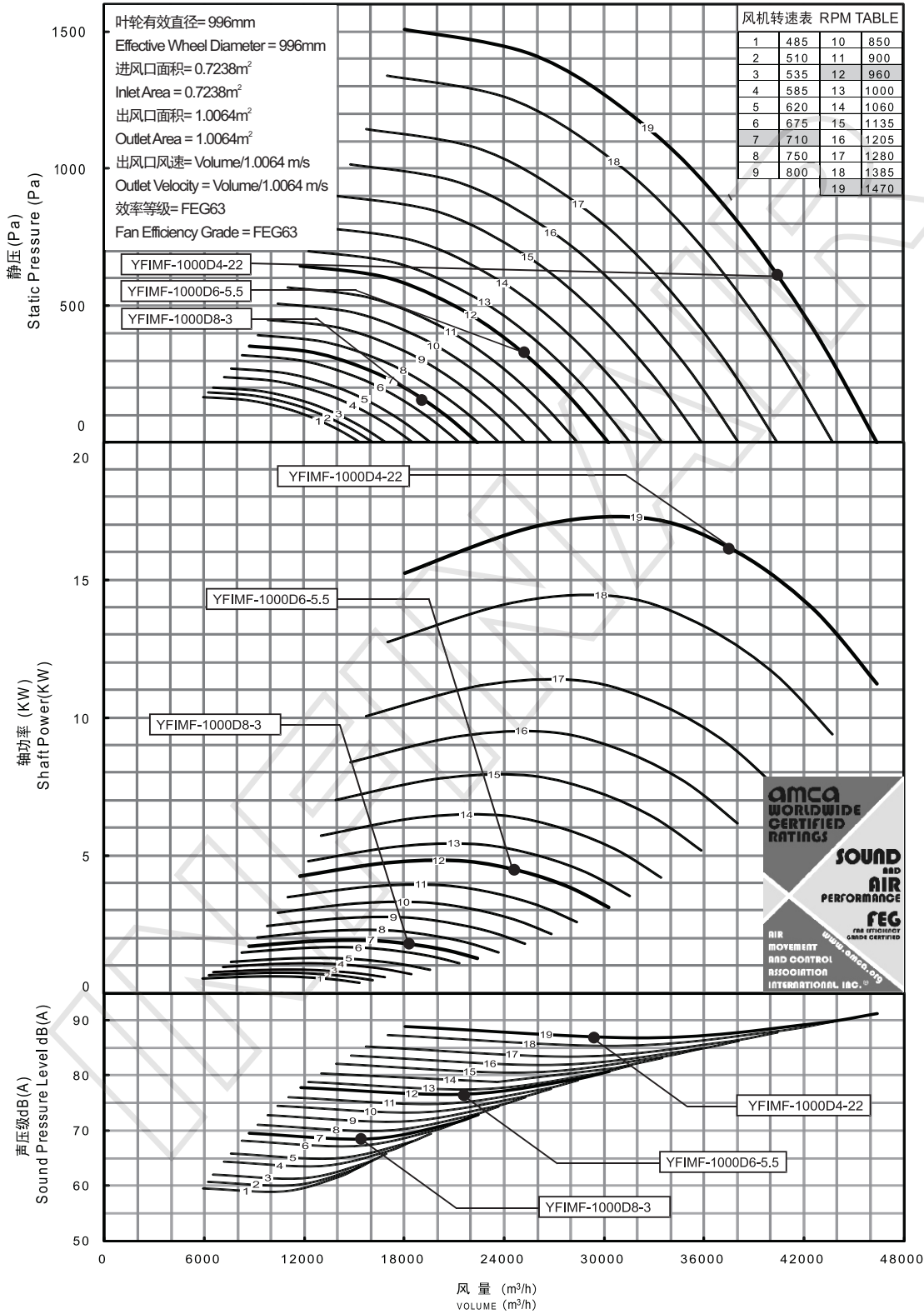
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.

型号: YFIMF-900
Model: YFIMF-900



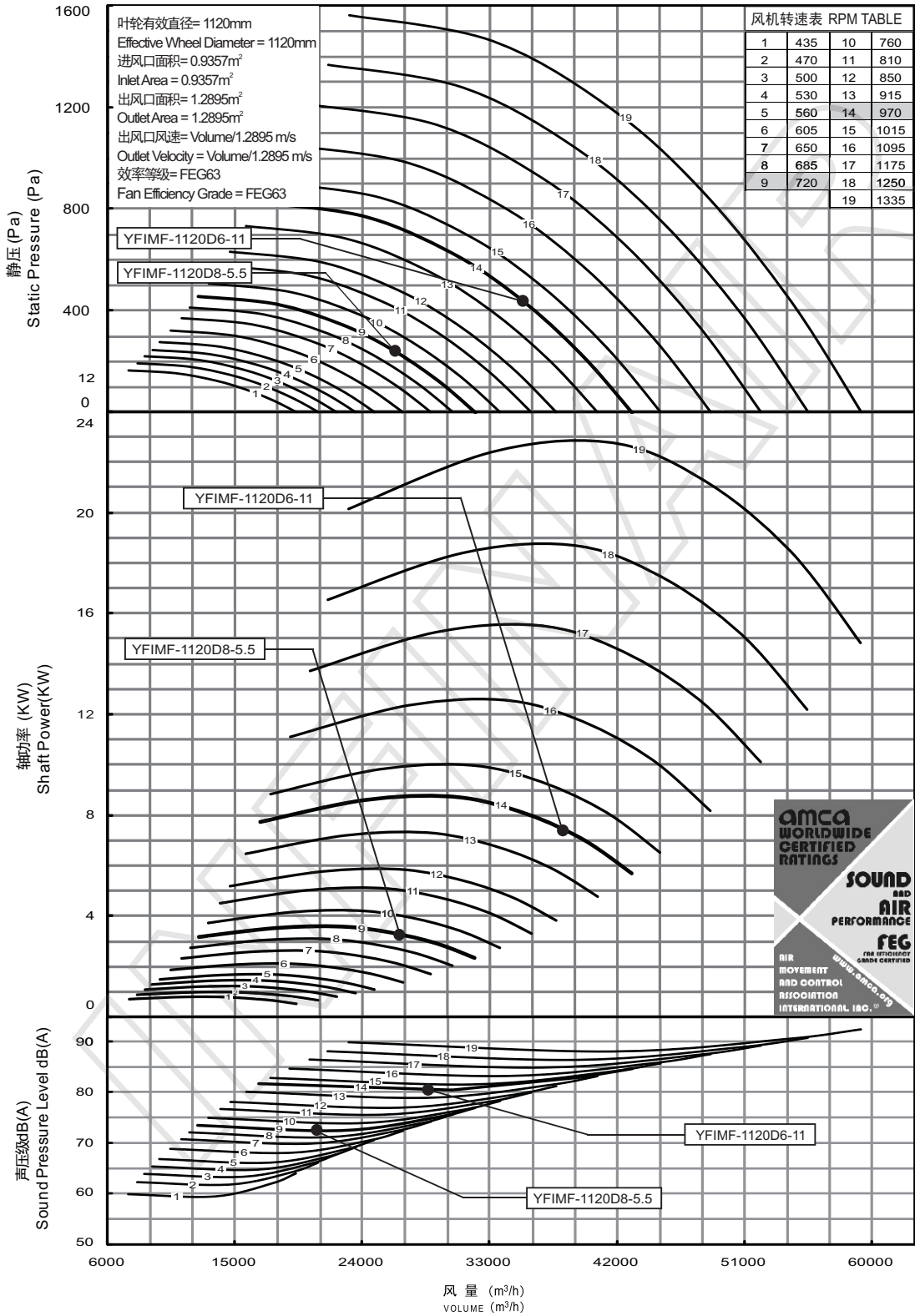
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.

型号: YFIMF-1000
Model: YFIMF-1000



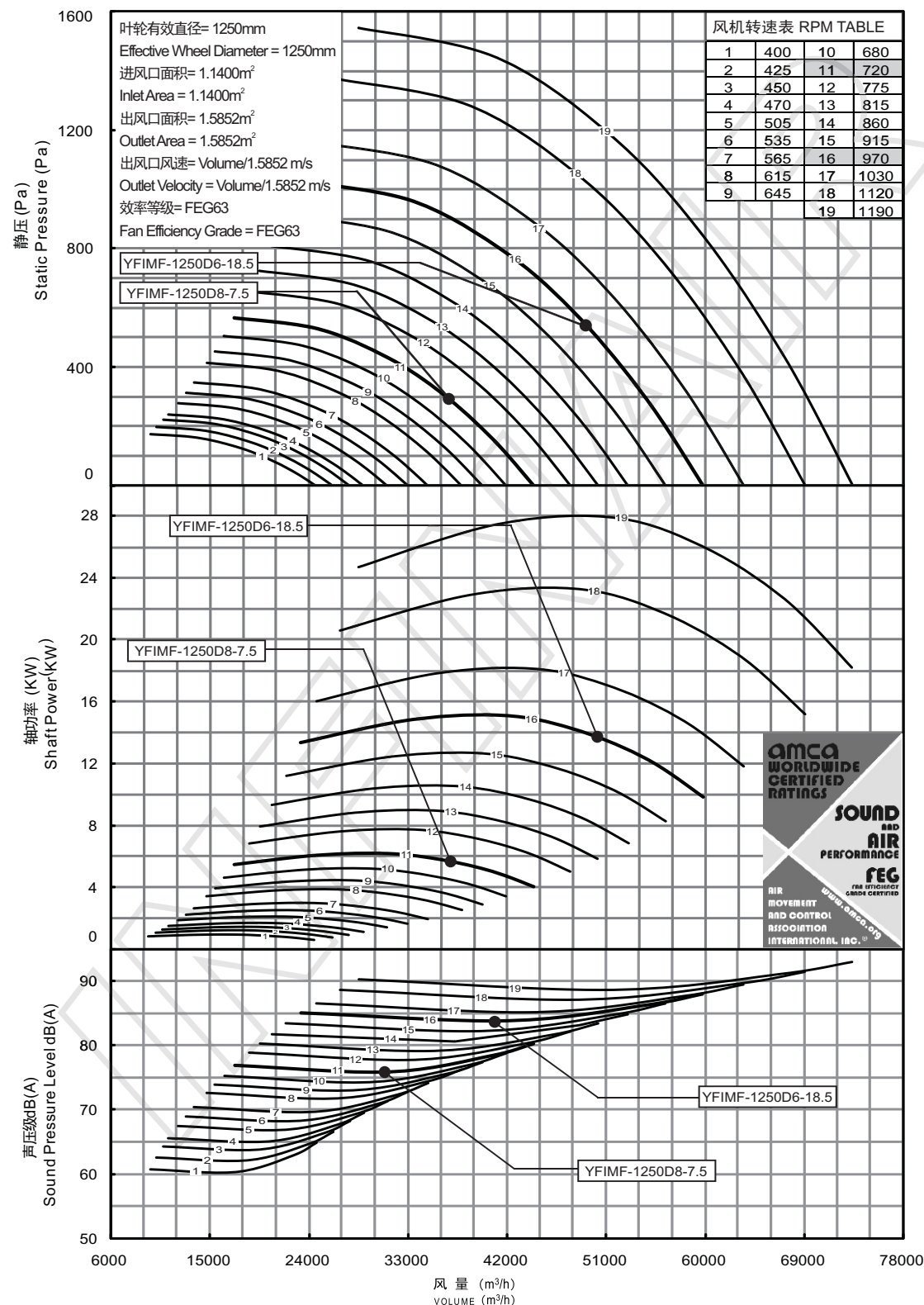
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.

型号 YFIMF-1120
Model: YFIMF-1120



Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.

型号 YFIMF-1250
Model: YFIMF-1250



Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10^{-12} watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5 m. Note that dB(A) levels are not licensed by AMCA International.

YFIMF-400

风机转速	静压	风量	声功率 SOUND POWER								声功率级	声压
			八段倍频程 OCTAVE BANDS									
			1	2	3	4	5	6	7	8		
RPM	Pa	VOLUME	1	2	3	4	5	6	7	8	LWIA	dB(A)
1400	0	2591	69	75	70	73	70	68	60	50	75	83
	68	2351	71	74	68	72	69	66	57	47	74	82
	185	1812	70	74	68	72	66	60	54	48	72	81
	244	996	70	72	68	72	66	60	55	50	72	80
1490	0	2757	71	76	72	74	71	70	62	52	77	85
	77	2502	73	76	70	74	71	67	59	49	75	84
	209	1929	72	75	70	74	69	62	56	50	74	82
	276	1060	72	74	70	73	68	62	57	52	73	82
1575	0	2914	73	77	73	75	73	71	64	54	78	86
	86	2644	75	77	71	75	72	69	61	51	77	85
	234	2039	74	76	71	75	70	64	58	52	75	84
	308	1120	74	75	71	74	70	64	59	54	75	83
1660	0	3072	75	78	73	77	75	72	66	56	79	88
	96	2787	77	78	71	76	74	70	63	53	78	87
	260	2149	76	78	71	76	72	66	60	54	77	85
	343	1181	76	76	71	75	72	66	60	55	76	85
1750	0	3238	77	79	76	78	76	74	68	58	81	89
	106	2938	79	79	74	77	75	72	65	55	79	88
	289	2265	78	79	74	77	74	67	61	55	78	87
	381	1245	78	78	73	76	73	67	62	57	78	86
1855	0	3432	78	80	78	79	78	75	70	60	82	71
	119	3115	81	81	77	78	77	73	67	57	81	70
	324	2401	79	80	76	78	76	69	63	57	80	68
	428	1320	79	79	76	78	75	69	63	58	79	68
1960	0	3627	80	81	81	80	79	76	72	62	84	72
	133	3291	83	82	79	79	79	75	69	59	83	71
	362	2537	81	81	79	79	78	71	65	59	81	70
	478	1394	81	81	78	79	77	71	65	60	81	69
2065	0	3821	82	82	83	82	81	78	74	64	85	74
	148	3467	85	83	82	80	80	76	71	61	84	73
	402	2673	83	83	81	80	80	72	66	60	83	71
	530	1469	83	82	80	80	79	72	66	61	82	71
2190	0	4052	84	84	86	83	82	79	76	66	87	75
	167	3677	87	84	85	81	82	78	73	63	86	74
	452	2835	85	84	84	81	82	74	68	62	85	73
	596	1558	85	84	83	81	81	74	68	63	84	73
2310	0	4274	85	85	88	84	84	80	78	68	88	77
	185	3879	89	85	87	82	84	79	75	65	87	76
	503	2990	86	85	86	82	83	76	70	64	86	75
	663	1643	86	85	85	82	82	76	70	65	86	74
2380	0	4404	86	85	90	85	85	81	79	69	89	78
	197	3996	90	86	89	83	85	80	76	66	88	77
	534	3081	87	86	88	83	84	77	71	65	87	76
	704	1693	87	86	86	83	83	77	71	66	87	75
2545	0	4709	88	87	92	86	86	82	81	72	91	80
	225	4273	92	88	91	84	86	82	78	69	90	79
	610	3295	89	88	90	84	86	79	73	67	89	78
	805	1810	89	88	88	84	85	79	73	68	89	77
2690	0	4978	89	88	93	87	88	84	83	74	92	81
	251	4517	93	90	93	85	87	83	80	71	91	80
	682	3482	90	89	92	85	87	80	74	68	91	79
	900	1914	90	89	90	85	87	80	74	69	90	78
2840	0	5255	90	90	94	88	89	86	84	76	94	82
	280	4768	94	92	94	86	89	85	81	73	93	81
	760	3677	91	91	93	86	89	82	76	70	92	80
	1003	2020	91	91	91	86	88	82	76	71	91	80
2990	0	5533	91	92	95	89	90	87	85	77	95	83
	310	5020	95	94	95	87	90	86	83	74	94	82
	843	3871	92	93	94	87	90	84	77	71	93	81
	1111	2127	92	93	93	87	89	84	77	72	92	81
3225	0	5968	92	94	97	90	92	89	87	80	97	85
	361	5415	96	96	96	88	91	88	85	77	96	84
	980	4175	93	95	96	88	91	87	80	74	95	83
	1293	2294	93	95	95	88	90	86	80	74	94	83
3400	0	6291	93	96	98	92	93	91	88	82	98	86
	401	5709	97	98	98	90	92	90	86	79	97	85
	1089	4402	94	97	97	90	92	88	81	75	96	85
	1437	2419	94	97	96	90	92	88	81	76	96	85

Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10^{-12} watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

噪音参数 Sound Data

YFIMF-450

风机转速	静 压	风 量	声功率 SOUND POWER								声功率级	声压
			八度倍频程 OCTAVE BANDS									
RPM	Pa	VOLUME	1	2	3	4	5	6	7	8	LWIA	dB(A)
1245	0	3280	70	77	72	74	70	69	59	49	76	64
	68	2976	71	78	70	74	69	66	56	46	75	83
	185	2295	71	75	70	74	66	60	54	48	73	62
	244	1261	71	73	70	73	66	60	55	50	72	61
1315	0	3465	72	78	73	75	72	71	61	51	77	66
	76	3144	73	77	71	75	71	68	58	48	76	64
	206	2424	73	76	71	75	68	62	56	50	74	63
	272	1332	73	75	71	74	68	62	57	52	74	62
1400	0	3689	74	79	75	76	73	72	64	54	79	67
	86	3347	75	79	73	76	72	69	61	51	77	66
	234	2581	75	78	73	76	70	64	58	52	76	64
	308	1418	75	76	73	75	70	64	59	54	75	64
1480	0	3899	76	80	75	78	75	73	66	56	80	69
	96	3538	77	80	73	77	74	71	63	53	79	67
	261	2728	77	79	73	77	72	66	60	54	77	66
	345	1499	77	78	73	76	72	66	60	55	77	65
1565	0	4123	77	81	76	79	76	75	68	58	81	70
	108	3741	79	81	74	78	76	72	65	55	80	69
	292	2885	78	80	74	78	74	67	61	55	79	67
	385	1585	78	80	74	78	74	67	61	55	79	67
1650	0	4347	79	82	77	80	78	76	69	59	83	71
	120	3945	81	82	75	79	77	74	66	56	82	70
	325	3041	80	82	75	79	76	69	63	57	80	69
	428	1671	80	80	75	79	75	69	63	59	80	68
1740	0	4584	81	83	79	81	79	77	71	61	84	73
	133	4160	83	83	78	80	79	75	68	58	83	71
	361	3207	82	83	77	80	77	70	65	59	82	70
	476	1762	82	82	77	80	77	70	65	60	81	70
1855	0	4887	83	85	82	83	81	79	74	64	86	74
	151	4435	86	85	81	82	81	77	71	61	85	73
	410	3419	84	84	80	82	79	72	66	60	83	72
	541	1879	84	84	80	81	79	72	67	62	83	71
1960	0	5164	85	86	85	84	83	80	76	66	87	76
	169	4686	88	86	83	83	82	78	73	63	86	75
	458	3613	86	86	83	83	81	74	68	62	85	73
	604	1985	86	85	82	83	81	74	68	63	85	73
2060	0	5427	86	87	87	85	84	81	77	67	89	77
	186	4925	89	87	86	84	84	79	74	64	88	76
	506	3797	87	87	85	84	83	76	70	64	86	75
	668	2086	87	86	84	84	82	76	70	65	86	74
2175	0	5730	88	88	90	87	86	82	79	69	90	79
	208	5200	91	88	88	85	85	81	76	66	89	78
	564	4009	89	88	88	85	85	77	71	65	88	77
	744	2203	89	88	86	85	84	77	71	67	88	76
2280	0	6007	89	89	92	88	87	83	81	71	92	80
	228	5451	93	89	91	86	87	82	78	68	91	79
	620	4203	90	89	90	86	86	79	73	67	90	78
	818	2309	90	89	88	86	86	79	73	68	89	77
2415	0	6363	91	90	94	89	89	85	83	73	93	82
	256	5773	95	91	93	87	89	84	80	70	92	81
	696	4451	92	90	92	87	88	80	74	68	91	80
	918	2446	92	90	91	87	87	80	75	70	91	79
2545	0	6705	93	91	96	90	90	86	85	75	95	83
	285	6084	97	92	95	88	90	85	82	72	94	82
	773	4691	94	92	94	88	90	82	76	70	93	82
	1019	2578	94	92	92	88	89	82	76	71	92	81
2720	0	7166	94	93	98	91	92	88	86	78	96	85
	325	6503	98	94	97	89	91	87	84	75	95	84
	882	5014	95	94	96	89	91	84	78	72	95	83
	1164	2755	95	94	94	89	90	84	78	73	94	82
2880	0	7588	95	95	99	92	93	89	88	80	98	86
	364	6885	99	96	98	90	92	89	85	77	97	85
	989	5309	96	96	97	90	92	86	80	74	96	84
	1305	2917	96	96	96	90	92	86	80	75	95	84
3045	0	8023	96	97	100	93	94	91	89	82	99	87
	407	7280	100	98	99	91	94	90	87	79	98	87
	1106	5613	97	98	99	91	94	88	82	76	97	86
	1459	3084	97	98	97	91	93	88	82	76	96	85

噪音参数 Sound Data

噪音参数 Sound Data

YFIMF-500

风机转速	静压	风量	声功率 SOUND POWER								声功率级	声压级
			八段倍频程 OCTAVE BANDS									
RPM	Pa	VOLUME	1	2	3	4	5	6	7	8	LWIA	dB(A)
900	0	3272	64.8	64.4	66.8	66.9	66.6	61.7	56.6	54.6	70.2	58.7
	55	2945	62.1	62.8	65.4	65.0	64.1	58.8	55.9	55.4	68.2	56.7
	123	2297	59.7	61.2	63.7	62.9	61.8	57.8	55.2	56.2	66.4	54.9
	152	1625	60.5	61.3	63.2	61.6	61.1	57.8	56.2	56.2	65.9	54.4
	0	3635	67.9	67.6	69.6	69.4	68.9	65.4	59.2	57.2	72.9	61.4
1000	68	3273	65.1	65.7	68.2	67.6	66.5	63.2	58.3	57.7	70.9	58.4
	152	2553	62.6	64.0	66.5	65.6	64.2	61.2	57.4	58.4	69.0	57.5
	188	1805	63.4	64.3	66.2	64.4	63.2	61.2	57.4	58.4	68.5	57.0
	0	4072	71.2	71.0	72.6	72.1	71.4	69.3	62.0	60.0	75.9	64.4
	85	3665	68.4	68.9	71.2	70.5	69.0	67.0	60.9	60.3	73.8	62.3
1120	191	2859	65.7	67.0	69.6	68.5	66.7	64.8	59.7	60.7	71.9	60.4
	235	2022	66.6	67.5	69.4	67.5	65.4	64.8	59.7	60.7	71.3	59.8
	0	4544	74.4	74.4	75.6	74.7	73.8	73.1	64.7	62.7	78.8	67.3
	106	4091	71.6	71.9	74.1	73.2	71.4	70.6	63.4	62.8	76.7	65.2
	238	3191	68.8	69.9	72.5	71.3	69.2	68.3	61.9	62.9	74.7	63.2
1320	293	2257	69.6	70.6	72.5	70.4	67.6	68.3	61.9	62.9	74.2	62.7
	0	4799	76.0	76.0	77.0	76.0	75.0	75.0	66.0	64.0	80.3	68.8
	118	4320	73.2	73.4	75.6	74.6	72.6	72.4	64.6	64.0	78.2	66.7
	265	3370	70.3	71.3	74.0	72.7	70.4	70.0	63.0	64.0	76.2	64.7
	327	2383	71.2	72.2	74.0	71.8	68.7	70.0	63.0	64.0	75.6	64.1
1400	0	5090	77.0	77.7	78.0	77.6	76.4	76.3	68.0	65.4	81.7	70.2
	133	4582	74.2	75.1	76.6	76.2	74.1	73.7	66.5	65.3	79.6	68.1
	298	3574	71.3	72.9	75.0	74.3	71.9	71.3	64.9	65.2	77.6	66.1
	368	2528	72.2	73.8	75.0	73.5	70.3	71.2	64.9	65.2	77.0	65.5
	0	5344	77.9	78.1	78.9	78.9	77.5	77.3	69.7	66.6	82.8	71.3
1470	146	4811	75.1	76.5	77.5	77.5	75.3	74.8	68.1	66.4	80.8	69.3
	329	3753	72.2	74.3	75.9	75.6	73.1	72.4	66.4	66.2	78.8	67.3
	406	2654	73.0	75.1	75.9	74.9	71.6	72.1	66.4	66.2	78.2	66.7
	0	5689	79.0	81.0	80.0	80.5	79.0	78.7	71.9	68.2	84.4	72.9
	166	5122	76.1	78.3	78.5	79.1	76.9	76.2	70.2	67.8	82.3	70.8
1565	373	3995	73.3	76.0	77.0	77.3	74.7	73.8	68.4	67.5	80.3	68.8
	460	2826	74.1	76.9	77.0	76.7	73.3	73.4	68.4	67.5	79.7	68.2
	0	5999	79.9	82.5	80.9	81.9	80.3	79.9	73.7	69.5	85.6	74.1
	184	5400	77.1	78.8	79.5	80.5	78.2	77.3	71.9	69.0	83.7	72.2
	414	4212	74.2	77.5	77.9	78.7	76.1	75.0	70.1	68.5	81.7	70.2
1740	511	2979	75.0	78.4	77.9	78.2	74.7	74.4	70.1	68.5	81.0	69.5
	0	6326	80.8	84.1	82.3	83.3	81.5	81.0	75.6	70.8	87.0	75.5
	205	5695	78.0	81.4	80.8	81.9	79.5	78.5	73.7	70.2	85.0	73.5
	460	4442	75.1	79.0	79.2	80.2	77.5	76.2	71.8	69.6	83.0	71.5
	568	3141	75.9	79.8	79.3	79.7	76.1	75.5	71.8	69.6	82.4	70.9
1835	0	6671	81.7	85.6	84.0	84.8	82.8	82.2	77.4	72.1	88.3	76.8
	228	6005	78.9	82.9	82.3	83.4	80.9	79.7	75.5	71.4	86.4	74.9
	512	4684	76.0	80.5	80.6	81.6	78.8	77.4	73.5	70.7	84.4	72.9
	632	3313	76.9	81.3	80.8	81.2	77.5	76.6	73.5	70.7	83.7	72.2
	0	7180	83.0	87.8	86.2	86.7	84.5	83.8	80.0	73.9	90.2	78.7
1975	264	6464	80.2	85.1	84.3	85.3	82.7	81.3	77.9	73.1	88.2	76.7
	593	5042	77.3	82.5	82.5	83.6	80.7	79.0	75.8	72.2	86.3	74.8
	732	3566	78.2	83.3	82.9	83.2	79.5	78.0	75.8	72.2	85.7	74.2
	0	7580	83.9	89.4	87.8	88.2	85.8	85.0	81.9	75.2	91.6	80.1
	294	6824	81.1	86.6	85.8	86.7	84.1	82.5	79.7	74.3	89.6	78.1
2085	661	5322	78.2	84.0	84.0	85.1	82.1	80.2	77.5	73.3	87.7	76.2
	816	3764	79.1	84.9	84.4	84.8	80.9	79.1	77.5	73.3	87.1	75.6
	0	8034	85.0	91.1	89.6	89.7	87.2	86.2	83.9	76.7	93.1	81.6
	331	7233	82.1	88.3	87.4	88.3	85.5	83.8	81.6	75.6	91.2	79.7
	743	5642	79.3	85.6	85.5	86.6	83.6	81.5	79.4	74.4	89.2	77.7
2210	917	3990	80.1	86.5	86.0	86.4	82.5	80.3	79.4	74.4	88.6	77.1
	0	8507	85.9	92.7	91.3	91.2	88.5	87.5	85.9	78.1	94.6	83.1
	371	7658	83.1	90.0	89.0	89.8	87.0	85.0	83.5	76.9	92.6	81.1
	833	5973	80.2	87.2	87.0	88.2	85.0	82.8	81.2	75.6	90.7	79.2
	1028	4225	81.1	88.1	87.7	88.0	84.0	81.4	81.2	75.6	90.2	78.7
2455	0	8925	86.8	94.1	92.7	92.5	89.7	88.5	87.5	79.3	95.8	84.3
	408	8035	84.0	91.4	90.3	91.1	88.2	86.1	85.0	78.0	93.9	82.4
	917	6267	81.1	88.5	88.3	89.5	86.2	83.9	82.7	76.6	91.9	80.4
	1131	4432	81.9	89.4	89.0	89.4	85.3	82.4	82.7	76.6	91.5	80.0
	0	9416	87.7	95.7	94.3	93.9	90.9	89.7	89.4	80.6	97.3	85.8
2590	454	8476	84.9	92.9	91.8	92.5	89.5	87.3	86.8	79.2	95.3	83.8
	1020	6612	82.0	90.0	89.7	90.9	87.6	85.1	84.4	77.7	93.3	81.8
	1259	4676	82.9	90.9	90.5	90.9	86.7	83.4	84.4	77.7	92.9	81.4
	0	9961	88.7	96.8	96.0	95.1	92.4	91.0	90.9	82.3	98.6	87.1
	508	8967	85.9	94.0	93.4	93.7	91.0	88.6	88.3	80.9	96.7	85.2
2740	1142	6994	83.0	91.1	91.3	92.1	89.1	86.5	85.9	79.2	94.7	83.2
	1409	4947	83.8	92.0	92.1	92.1	88.3	84.8	85.8	79.2	94.3	82.8
	0	10543	89.7	97.8	97.7	96.1	93.9	92.3	92.1	84.3	99.9	88.4
	570	9491	86.9	95.0	95.0	94.7	92.5	90.1	89.5	82.7	98.0	86.5
	1279	7403	84.0	92.1	92.8	93.1	90.6	87.9	87.2	81.0	96.0	84.5
2900	1578	5236	84.8	93.0	93.7	93.1	89.9	86.3	86.9	81.0	95.6	84.1

YFIMF-560

风机转速	静压	风量	声功率 SOUND POWER								声功率级	声压级
			八段倍频程 OCTAVE BANDS									
			1	2	3	4	5	6	7	8		
RPM	Pa	VOLUME	1	2	3	4	5	6	7	8	LWIA	dB(A)
900	0	4597	69.5	68.9	71.1	70.8	70.3	65.4	60.3	58.3	74.0	62.5
	69	4138	66.8	67.4	69.7	68.9	67.8	63.5	59.6	59.0	72.1	60.6
	155	3228	64.3	65.7	68.0	66.9	65.6	61.5	58.9	59.9	70.2	58.7
	191	2283	65.1	65.8	67.5	65.6	64.8	61.5	58.9	59.9	69.7	58.2
	0	5108	72.5	72.1	73.9	73.3	72.6	69.1	62.9	60.9	76.7	65.2
1000	85	4598	69.9	70.3	72.5	71.5	70.2	67.0	62.0	61.4	74.7	63.2
	191	3586	67.2	68.4	70.8	69.6	67.9	64.9	61.1	62.1	72.9	61.4
	235	2537	68.0	68.8	70.5	68.4	66.9	64.9	61.1	62.1	72.3	60.8
	0	5388	74.1	73.7	75.3	74.6	73.8	70.9	64.2	62.2	78.1	66.6
	95	4851	71.4	71.7	74.0	72.9	71.4	68.7	63.2	62.6	76.1	64.6
1055	212	3784	68.7	69.8	72.3	70.9	69.2	66.6	62.1	63.1	74.2	62.7
	262	2676	69.5	70.3	72.0	69.8	68.0	66.6	62.1	63.1	73.6	62.1
	0	5695	75.7	75.4	76.8	75.9	75.0	72.8	65.5	63.5	79.5	68.0
	106	5127	73.0	73.3	75.4	74.2	72.6	70.5	64.5	63.9	77.5	66.0
	237	3999	70.2	71.3	73.8	72.3	70.4	68.3	63.3	64.3	75.6	64.1
1180	293	2828	71.1	71.8	73.6	71.3	69.1	68.3	63.3	64.3	75.0	63.5
	0	6027	77.4	77.1	78.3	77.2	76.2	74.8	66.9	64.9	81.0	69.5
	118	5426	74.6	74.8	76.9	75.7	73.8	72.4	65.8	65.2	79.0	67.5
	266	4232	71.8	72.8	75.3	73.8	71.7	70.1	64.4	65.4	77.1	65.6
	328	2995	72.6	73.4	75.2	72.8	70.3	68.1	64.4	65.4	76.5	65.0
1255	0	6410	79.2	79.0	80.0	78.7	76.3	76.9	68.4	66.4	82.7	71.2
	134	5770	76.4	76.5	78.6	77.2	75.2	74.4	67.2	66.5	80.7	69.2
	300	4501	73.5	74.4	76.9	75.3	73.1	72.1	65.7	66.7	78.7	67.2
	371	3183	74.3	75.2	76.9	74.4	71.5	72.1	65.7	66.7	78.1	66.6
	0	6742	80.7	80.5	81.3	79.9	78.7	78.7	69.7	67.7	84.1	72.6
1320	148	6089	77.9	77.9	79.9	78.5	76.3	76.1	68.3	67.7	82.0	70.5
	332	4734	74.9	75.7	78.3	76.6	74.2	73.7	66.7	67.7	80.0	68.5
	410	3348	75.7	76.6	78.3	75.8	72.5	73.7	66.7	67.7	79.4	67.9
	0	7151	81.7	82.2	82.3	81.4	80.1	80.0	71.7	69.1	85.5	74.9
	167	6437	78.9	78.6	80.9	80.0	77.8	77.4	70.2	69.0	83.4	71.0
1400	374	5021	75.9	77.4	79.3	78.2	75.7	75.0	68.6	68.9	81.4	69.9
	461	3551	76.8	78.2	79.3	77.4	74.1	74.9	68.6	68.9	80.8	69.3
	0	7559	82.7	83.8	83.3	82.9	81.4	81.2	73.7	70.5	86.8	75.3
	186	6805	79.9	81.2	81.9	81.5	79.2	78.6	72.1	70.3	84.8	73.3
	418	5308	76.9	78.9	80.3	79.7	77.1	76.3	70.3	70.0	82.8	71.3
1490	516	3574	77.1	79.8	80.3	79.0	75.6	76.0	70.3	70.0	82.2	70.7
	0	7968	83.6	85.4	84.2	84.3	82.6	82.3	75.5	71.8	88.0	76.5
	207	7173	80.8	82.8	82.8	82.9	80.5	79.8	73.8	71.5	86.1	74.6
	464	5595	77.8	80.4	81.2	81.1	78.5	77.5	72.0	71.1	84.1	72.6
	573	3957	78.6	81.2	81.2	80.5	77.0	77.1	72.0	71.1	83.5	72.0
1560	0	8555	84.8	87.5	85.5	86.2	84.3	83.9	78.0	73.5	89.8	78.3
	238	7702	82.0	84.8	84.1	84.8	82.3	81.4	76.2	73.1	87.8	76.3
	535	6007	79.0	82.4	82.5	83.0	80.3	79.1	74.3	72.5	85.9	74.4
	860	4249	79.9	83.2	82.5	82.5	78.9	78.5	74.3	72.5	85.2	73.7
	0	9040	85.8	89.1	87.2	87.7	85.6	85.1	79.9	74.9	91.2	79.7
1770	266	8138	83.0	86.4	85.6	86.3	83.7	82.6	78.0	74.3	89.2	77.7
	598	6348	80.0	83.9	83.9	84.5	81.7	80.3	76.0	73.6	87.3	75.8
	738	4490	80.8	84.7	84.1	84.0	81.3	79.6	76.0	73.6	86.7	75.2
	0	9500	86.6	90.5	88.7	89.0	86.8	86.2	81.6	76.1	92.4	80.9
	294	8552	83.9	87.9	87.0	87.6	84.9	83.7	79.6	75.4	90.5	79.0
1860	660	6671	80.9	85.3	85.2	85.9	82.9	81.4	77.6	74.6	88.6	77.1
	814	4718	81.7	86.1	85.4	85.4	81.7	80.6	77.6	74.6	87.9	76.4
	0	10087	87.7	92.3	90.5	90.6	88.2	87.5	83.7	77.6	94.0	82.5
	331	9081	84.9	89.6	88.7	89.2	86.4	85.0	81.6	76.8	92.1	80.6
	744	7083	81.9	86.9	86.8	87.5	84.5	82.8	79.5	75.9	90.1	78.6
2115	918	5010	82.7	87.8	87.1	87.1	83.3	81.8	79.5	75.9	95.5	78.0
	0	10912	88.9	94.3	92.5	92.4	88.8	89.0	86.0	79.3	95.7	84.2
	380	9725	86.1	91.6	90.5	91.0	88.1	86.5	83.9	78.3	93.8	82.3
	853	7585	83.1	88.8	88.6	89.3	86.2	84.3	81.7	77.2	91.9	80.4
	1053	5365	83.9	89.7	89.1	89.5	86.1	83.2	81.7	77.2	91.3	79.8
2240	0	11441	89.9	96.0	94.3	93.9	91.2	90.2	88.0	80.7	97.2	85.7
	426	10289	87.1	93.2	92.1	92.5	89.6	87.8	85.7	79.6	95.3	83.6
	957	8034	84.1	90.4	90.1	90.9	87.7	85.6	83.5	78.4	93.4	81.9
	1981	5682	84.9	91.3	90.7	90.7	86.6	84.3	83.5	78.4	92.9	81.4
	0	11850	90.5	97.0	95.3	94.9	92.0	91.0	89.3	81.6	98.1	86.6
2320	457	10967	87.7	94.3	93.1	93.5	90.5	88.6	86.9	80.4	96.2	84.7
	1027	8320	84.7	91.4	91.1	91.8	88.6	86.4	84.6	79.1	94.3	82.8
	1267	5855	85.5	92.3	91.7	91.7	87.6	85.0	84.6	79.1	93.8	82.3
	0	12565	91.5	97.8	97.1	96.4	93.4	92.3	91.3	83.0	99.7	88.2
	514	11311	88.7	96.0	94.7	95.0	91.9	89.9	88.8	81.8	97.8	86.3
2460	1155	8823	85.7	93.0	92.6	93.4	90.0	87.7	86.5	80.3	95.8	84.3
	1425	6240	86.6	93.9	93.3	93.3	89.1	86.2	86.5	80.3	95.4	83.9
	0	13280	92.4	100.3	98.8	97.9	94.7	93.5	93.2	84.4	101.2	89.7
	574	11955	89.7	97.6	96.2	96.5	93.3	91.1	90.7	83.0	99.2	87.7
	1290	9325	86.7	94.6	94.1	94.9	91.5	89.0	88.3	81.4	97.3	85.8
2600	1591	6595	87.5	95.4	94.9	94.9	90.6	87.3	88.3	81.4	96.9	85.4

噪音参数 Sound Data

噪音参数 Sound Data

YFIMF-800

风机转速	静压	风量	声功率 SOUND POWER								声功率级	声压级
			八段倍频程 OCTAVE BANDS									
			1	2	3	4	5	6	7	8		
RPM	Pa	VOLUME	1	2	3	4	5	6	7	8	LWIA	dB(A)
600	0	9465	68	70	70	71	70	65	54	43	73	62
	46	8736	66	69	68	69	67	61	51	41	71	59
	126	6974	63	66	66	67	64	58	50	42	68	56
	178	3779	68	68	68	68	63	57	50	43	69	57
665	0	10491	70	73	72	73	72	69	58	47	76	65
	56	9682	68	71	71	71	70	65	55	45	74	62
	155	7730	65	68	68	69	67	61	53	45	71	59
	218	4189	71	71	71	71	66	60	53	46	71	60
700	0	11043	71	74	73	74	73	71	60	49	77	66
	62	10192	69	73	72	72	71	67	57	47	75	63
	171	8137	66	70	69	70	68	63	55	47	72	61
	242	4409	73	72	72	72	68	62	55	48	73	61
745	0	11753	73	76	74	76	75	73	62	51	79	68
	70	10847	71	74	73	74	73	69	59	49	77	65
	194	8660	68	71	70	72	70	65	57	49	74	62
	274	4693	75	74	73	74	70	64	57	50	75	63
790	0	12463	74	77	76	77	76	74	64	53	81	69
	79	11502	73	75	75	75	74	71	61	51	78	67
	218	9183	70	72	72	73	71	67	59	51	75	64
	308	4976	77	75	75	75	72	66	59	52	76	65
835	0	13173	76	78	77	78	78	76	66	55	82	70
	88	12157	75	76	76	76	76	72	63	53	79	68
	244	9706	73	73	73	74	73	68	61	53	77	65
	344	5260	78	76	76	76	73	68	61	54	78	66
875	0	13804	78	79	79	79	79	77	68	57	83	71
	97	12740	76	77	77	77	77	73	65	55	81	69
	268	10171	75	74	74	75	74	70	62	54	78	66
	378	5512	80	77	77	77	74	69	62	55	79	67
935	0	14750	80	81	80	80	80	79	71	60	85	73
	111	13613	78	79	79	79	78	75	67	57	82	71
	306	10868	78	76	76	77	76	72	65	57	79	68
	431	5890	82	79	79	79	76	71	64	57	81	69
945	0	14908	80	81	81	81	80	79	71	60	85	73
	113	13759	79	79	79	79	78	76	68	58	83	71
	312	10985	78	76	76	77	76	72	65	57	80	68
	441	5953	83	80	79	79	76	71	65	58	81	69
995	0	15697	82	82	82	82	82	80	73	62	86	75
	126	14487	80	80	81	80	80	77	70	60	84	72
	346	11566	80	77	78	78	77	73	67	59	81	69
	489	6267	84	81	81	80	78	73	66	59	82	71
1050	0	16564	83	83	84	83	83	81	75	64	87	76
	140	15288	82	81	82	81	81	78	72	62	85	74
	385	12205	83	78	79	79	78	75	69	61	82	71
	544	6814	86	83	82	81	79	74	68	61	84	72
1110	0	17511	85	85	85	84	84	83	77	66	89	77
	156	16161	84	83	84	83	82	80	74	64	87	75
	431	12903	85	80	81	80	80	77	70	62	84	72
	608	6992	88	85	84	83	81	76	70	63	85	74
1200	0	18931	87	87	87	86	86	85	80	69	91	79
	183	17472	87	85	86	84	84	82	76	66	89	77
	503	13949	89	82	83	82	82	79	73	65	86	74
	711	7559	91	87	86	84	83	79	72	65	87	76
1270	0	20035	89	88	89	87	87	86	82	71	92	81
	205	18491	89	86	87	86	85	84	78	68	90	78
	564	14763	91	83	84	83	83	81	75	67	87	76
	796	8000	93	89	87	86	85	80	74	67	89	77
1345	0	21218	91	89	91	88	89	88	84	73	94	82
	230	19583	91	87	89	87	87	85	81	71	91	80
	632	15634	94	84	86	84	85	82	77	69	89	77
	893	8472	95	90	89	87	86	82	76	69	90	79
1440	0	22717	93	91	92	89	90	89	87	76	95	84
	263	20966	93	89	90	88	88	87	83	73	93	82
	725	16739	97	86	87	85	86	84	79	71	91	79
	1023	9071	97	93	90	88	88	84	78	71	92	81
1530	0	24136	94	93	94	91	92	91	89	78	97	85
	297	22277	94	91	92	90	90	89	85	75	95	83
	818	17785	98	88	89	87	88	86	81	73	92	81
	1155	9637	98	95	92	90	90	86	80	73	94	82
1670	0	26345	96	95	95	93	93	93	91	82	99	87
	354	24315	96	94	93	92	92	91	87	78	97	85
	975	19412	100	92	90	89	89	88	83	76	94	83
	1376	10519	100	97	93	92	92	88	83	76	96	84
1770	0	27923	97	97	97	95	95	94	92	84	100	89
	398	25771	97	96	95	94	93	92	89	80	98	87
	1095	20575	101	94	92	91	91	89	85	78	96	84
	1546	11149	101	99	95	94	93	90	84	78	97	86

Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

YFIMF-900

风机转速	静 压	风 量	声功率 SOUND POWER								声功率级	声压级
			八段倍频程 OCTAVE BANDS									
RPM	Pa	VOLUME	1	2	3	4	5	6	7	8	LWIA	dB(A)
530	0	11905	69	71	71	72	70	64	53	42	74	62
	45	10987	67	69	69	70	67	60	50	40	71	60
	124	8772	64	66	67	67	64	57	49	41	68	57
	175	4753	69	69	69	68	63	57	50	43	69	57
570	0	12803	71	73	72	73	72	67	56	45	75	64
	52	11816	69	71	71	71	69	63	53	43	73	61
	144	9434	66	68	68	69	66	60	52	44	70	59
	203	5112	71	71	71	70	65	59	52	45	71	59
625	0	14038	73	75	74	75	74	70	59	48	78	66
	63	12957	71	74	73	73	72	66	56	46	75	64
	173	10344	68	71	70	71	68	63	55	47	73	61
	244	5605	74	74	73	73	68	62	55	48	73	62
665	0	14937	74	77	76	77	76	72	61	50	80	68
	71	13786	72	75	74	75	73	69	59	49	77	66
	196	11006	69	72	72	73	70	65	57	49	74	63
	276	5964	75	75	74	74	70	64	57	50	75	64
700	0	15723	76	79	77	78	77	74	63	52	81	70
	79	14511	74	77	76	76	75	70	60	50	79	67
	217	11585	71	74	73	74	72	67	59	51	76	64
	306	6278	77	77	75	76	72	66	59	52	77	65
750	0	16846	77	80	78	80	79	77	66	55	83	71
	90	15548	75	78	77	78	77	73	63	53	80	69
	249	12413	72	75	74	76	74	69	61	53	78	66
	351	6726	79	78	77	78	74	68	61	54	79	67
790	0	17745	79	81	80	81	80	78	68	57	84	73
	100	16377	77	79	79	79	78	74	65	55	82	70
	276	13075	75	76	76	77	75	70	63	55	79	67
	390	7085	81	79	78	79	75	69	63	56	80	68
840	0	18868	81	82	81	82	81	80	70	59	86	74
	113	17414	79	80	80	80	79	76	67	57	83	72
	312	13903	77	77	77	78	76	72	65	57	80	69
	441	7534	83	80	80	80	77	71	64	57	81	70
885	0	19878	82	83	83	83	82	81	72	61	87	75
	126	18347	81	82	81	81	80	77	69	59	85	73
	347	14647	80	79	79	79	78	74	66	58	82	70
	489	7937	85	82	81	81	78	73	66	59	83	71
960	0	21563	85	85	85	85	84	83	75	64	89	77
	148	19901	84	83	84	83	82	80	72	62	87	75
	408	15889	83	80	81	81	80	76	69	61	84	72
	576	8610	87	84	84	83	81	75	69	62	85	73
1010	0	22686	86	87	86	86	86	84	77	66	90	79
	164	20938	85	85	85	84	84	81	74	64	88	76
	451	16716	85	82	82	82	81	77	71	63	85	74
	637	9058	89	86	85	84	82	77	70	63	86	75
1075	0	24146	88	88	88	87	87	86	80	69	92	80
	186	22285	87	86	87	86	85	83	76	66	89	78
	511	17792	88	83	84	83	83	79	73	65	87	75
	722	9641	91	88	87	86	84	79	72	65	88	76
1135	0	25494	90	89	90	88	88	87	82	71	93	81
	207	23529	89	87	88	87	86	84	78	68	91	79
	570	18785	91	84	85	84	84	81	75	67	88	76
	805	10179	93	89	88	87	85	80	74	67	89	78
1200	0	26954	92	91	91	89	90	88	84	73	94	83
	231	24877	91	89	89	88	88	86	80	70	92	81
	637	19861	93	86	86	85	85	82	77	69	89	78
	899	10762	95	91	89	88	87	82	76	69	91	79
1285	0	28863	94	92	93	91	91	90	86	75	96	85
	265	26639	93	90	91	90	89	88	82	72	94	82
	731	21268	96	87	88	87	87	84	79	71	91	80
	1031	11525	97	93	91	89	89	84	78	71	93	81
1370	0	30772	96	94	95	92	93	92	89	78	98	86
	301	28401	96	92	93	91	91	89	85	75	96	84
	830	22674	99	89	90	88	89	86	81	73	93	81
	1172	12287	100	95	93	91	90	86	80	73	94	83
1460	0	32794	98	95	97	93	94	93	91	80	99	88
	342	30267	98	93	95	92	92	91	87	77	97	86
	943	24164	102	90	92	89	90	88	83	75	95	83
	1331	13094	102	97	95	92	92	88	82	75	96	85
1560	0	35040	99	97	98	95	96	95	93	83	101	89
	391	32340	99	95	96	94	94	93	89	79	99	87
	1077	25819	103	93	93	91	92	90	85	77	96	85
	1520	13991	103	99	96	94	94	90	84	77	98	86

噪音参数 Sound Data

YFIMF-1250

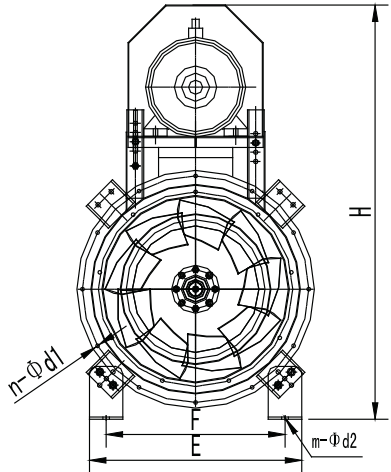
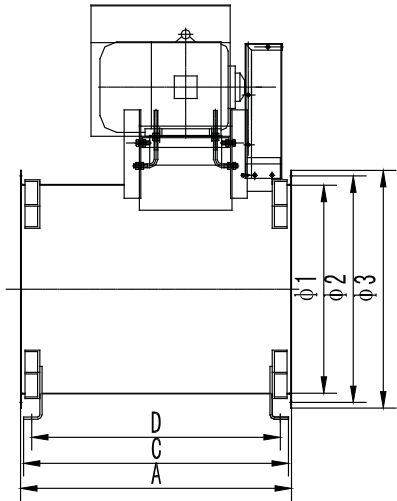
风机转速	静 压	风 量	声功率 SOUND POWER								声功率级	声压级
			八段倍频程 OCTAVE BANDS									
RPM	Pa	VOLUME	1	2	3	4	5	6	7	8	LWIA	dB(A)
400	0	24665	78	74	75	75	72	65	55	45	76	65
	49	22594	75	72	74	74	70	62	53	44	75	63
	133	17361	72	70	71	72	67	58	48	38	72	60
	175	9598	77	73	73	72	66	58	50	42	72	61
425	0	26207	80	75	77	77	74	67	57	47	78	67
	55	24006	77	73	75	76	72	64	55	46	76	65
	150	18446	74	71	72	74	69	60	50	41	74	62
	197	10198	78	75	75	74	68	60	52	44	74	63
450	0	27748	81	77	78	78	76	69	59	49	80	68
	62	25418	78	75	76	77	74	66	57	48	78	66
	168	19531	75	73	73	75	71	63	53	43	75	64
	221	10797	79	76	76	76	70	62	54	46	76	64
470	0	28981	81	78	79	79	77	71	61	51	81	69
	67	26548	78	76	77	78	75	67	58	49	79	68
	184	20400	75	74	74	76	72	64	54	44	77	65
	241	11277	80	77	77	77	71	63	55	47	77	66
505	0	31140	83	80	81	81	79	73	64	54	83	71
	78	28525	80	78	79	80	77	70	61	52	81	69
	212	21919	77	76	76	78	74	67	57	47	78	67
	278	12117	82	80	79	79	73	66	58	49	79	67
535	0	32989	84	82	82	82	80	75	66	56	84	73
	87	30219	81	80	80	81	79	71	63	54	82	71
	238	23221	78	77	77	79	76	68	59	49	80	68
	313	12837	83	81	80	80	75	67	59	51	80	69
565	0	34839	85	84	83	83	82	77	68	58	86	74
	97	31914	83	81	81	82	80	73	65	56	84	72
	265	24523	80	79	78	80	77	70	61	51	81	70
	349	13557	85	83	81	81	77	69	61	53	82	70
615	0	37922	87	87	85	85	84	79	71	61	88	76
	115	34738	85	84	83	84	82	76	67	58	86	74
	314	26693	82	82	80	82	80	73	64	54	83	72
	413	14756	87	86	83	83	79	72	64	56	84	73
645	0	39772	88	88	86	86	85	81	72	62	89	77
	127	36432	86	86	84	85	84	78	69	60	87	76
	346	27995	83	83	81	82	81	75	66	56	84	73
	454	15476	88	88	84	84	81	74	66	58	85	74
680	0	41931	89	90	87	87	86	82	74	64	90	79
	141	38409	87	87	85	86	85	79	71	62	88	77
	384	29514	85	85	82	83	82	76	67	57	86	74
	505	16316	90	89	86	85	82	75	67	59	87	75
720	0	44397	90	92	88	89	88	84	76	66	92	80
	158	40669	88	89	86	87	86	81	73	64	90	78
	431	31250	86	87	84	85	84	78	70	60	87	76
	566	17276	91	91	87	87	84	77	69	61	88	77
775	0	47789	92	95	90	90	90	86	79	69	94	82
	183	43775	90	92	88	89	88	84	76	66	92	80
	499	33638	88	89	85	86	86	81	72	62	89	78
	656	18595	93	94	89	88	86	80	72	64	90	79
815	0	50255	93	96	91	91	91	88	81	71	95	83
	203	46035	91	93	89	90	90	85	77	68	93	82
	552	35374	89	91	87	87	87	82	74	64	91	79
	725	19555	95	95	90	89	88	81	73	65	92	80
860	0	53030	94	98	92	93	92	90	83	73	96	85
	226	48577	93	95	90	91	91	87	79	70	95	83
	614	37327	90	92	88	88	89	84	76	66	92	81
	808	20635	96	97	91	91	90	83	75	67	93	82
915	0	56421	95	99	93	94	94	91	85	75	98	86
	256	51683	94	96	91	92	93	89	81	72	96	85
	696	39714	92	93	89	89	91	86	78	68	94	82
	914	21955	98	98	93	92	91	85	77	69	95	83
970	0	59813	96	100	95	95	95	93	87	77	99	88
	287	54790	95	97	93	93	94	91	83	74	98	86
	782	42101	93	94	91	90	92	88	80	70	95	84
	1027	23274	99	99	94	93	93	87	79	71	97	85
1030	0	63512	97	101	97	96	96	95	89	79	101	89
	324	58179	96	98	95	95	95	93	85	76	99	88
	881	44705	94	95	92	92	93	90	82	72	97	85
	1158	24714	100	100	96	95	94	89	81	73	98	87
1120	0	69062	99	103	100	98	98	97	92	82	103	91
	383	63263	98	100	97	96	97	95	88	79	101	90
	1042	48612	96	98	95	94	95	92	85	76	99	87
	1370	26873	102	103	99	97	96	92	84	76	100	89
1190	0	73378	100	104	102	100	100	98	93	85	104	93
	432	67216	99	102	99	98	98	97	90	81	103	91
	1176	51650	97	99	97	95	96	94	87	78	100	89
	1546	28553	103	104	101	98	98	93	86	78	102	90

Values shown are for inlet LwA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. dB(A) A-weighted sound pressure level is based on 11.5 dB sound attenuation per octave band at 1.5m. Note that dB(A) levels are not licensed by AMCA International.

尺寸及重量
Dimensions and weight

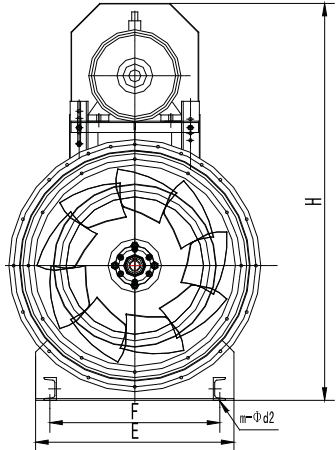
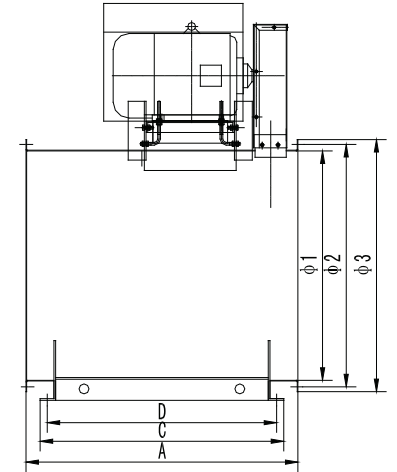
皮带型
Belt drive type

型号：YFIMF400-500
Model: YFIMF400-500



型号 Model	Φ1	Φ2	Φ3	A	C	D	E	F	n	Φd1	m	Φd2	H(Max)	重量weight(kg)
YFIMF-400	450	490	530	610	594	550	486	406	8	12	4	15	980	59
YFIMF-450	510	550	590	707	691	647	546	456	12	12	4	15	1070	71
YFIMF-500	560	610	640	730	714	670	572	482	12	12	4	15	1160	91

型号：YFIMF560-1250
Model: YFIMF560-1250



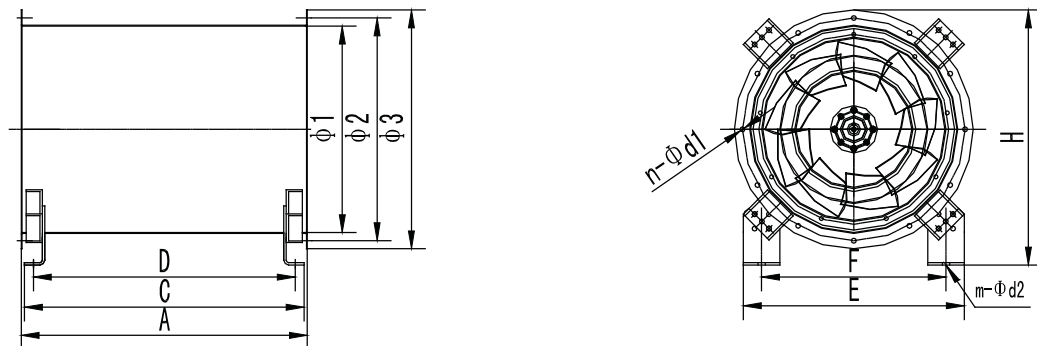
型号 Model	Φ1	Φ2	Φ3	A	C	D	E	F	n	Φd1	m	Φd2	H(Max)	重量weight(kg)
YFIMF-560	630	670	710	830	730	690	510	410	12	12	4	15	1230	115
YFIMF-630	712	750	792	915	825	775	620	520	12	12	4	15	1400	161
YFIMF-710	809	855	889	960	860	810	700	600	16	12	6	15	1455	183
YFIMF-800	910	955	990	1075	985	936	790	690	16	14	6	20	1590	246
YFIMF-900	1017	1055	1097	1210	1120	1070	890	790	16	14	6	20	1690	292
YFIMF-1000	1130	1180	1230	1320	1190	1140	990	870	20	14	6	20	1825	384
YFIMF-1120	1270	1320	1370	1470	1390	1336	1100	900	20	14	6	20	2045	528
YFIMF-1250	1421	1470	1520	1637	1530	1480	1220	1020	20	14	6	20	2205	678

备注：尺寸数据单位为毫米（mm）；
Note: The unit for dimension values is mm;
风机重量未包含电机，电机重量请参考附表。
See the attached table for the motor weight (excluding motor).

尺寸及重量
Dimensions and weight

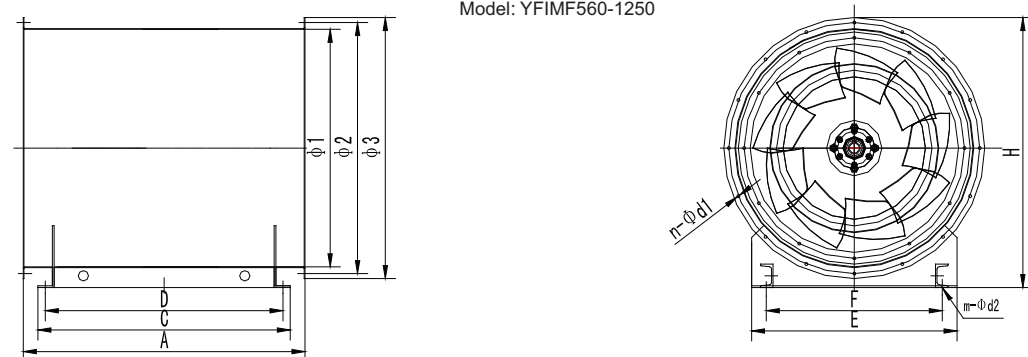
直联型
Direct drive type

型号：YFIMF400-500
Model: YFIMF400-500



型号 Model	Φ1	Φ2	Φ3	A	C	D	E	F	n	Φd1	m	Φd2	H(Max)	重量weight (kg)
YFIMF-400	450	490	530	610	594	550	486	406	8	12	4	15	565	52
YFIMF-450	510	550	590	707	691	647	546	456	12	12	4	15	630	65
YFIMF-500	560	610	640	730	714	670	572	482	12	12	4	15	670	83

型号：YFIMF560-1250
Model: YFIMF560-1250



型号 Model	Φ1	Φ2	Φ3	A	C	D	E	F	n	Φd1	m	Φd2	H(Max)	重量weight (kg)
YFIMF-560	630	670	710	830	730	690	510	410	12	12	4	15	750	102
YFIMF-630	712	750	792	915	825	775	620	520	12	12	4	15	846	148
YFIMF-710	809	855	889	960	860	810	700	600	16	12	6	15	920	171
YFIMF-800	910	955	990	1075	985	936	790	690	16	14	6	20	1030	212
YFIMF-900	1017	1055	1097	1210	1120	1070	890	790	16	14	6	20	1149	273
YFIMF-1000	1130	1180	1230	1320	1190	1140	990	870	20	14	6	20	1255	362
YFIMF-1120	1270	1320	1370	1470	1390	1336	1100	900	20	14	6	20	1420	492
YFIMF-1250	1421	1470	1520	1637	1530	1480	1220	1020	20	14	6	20	1575	618

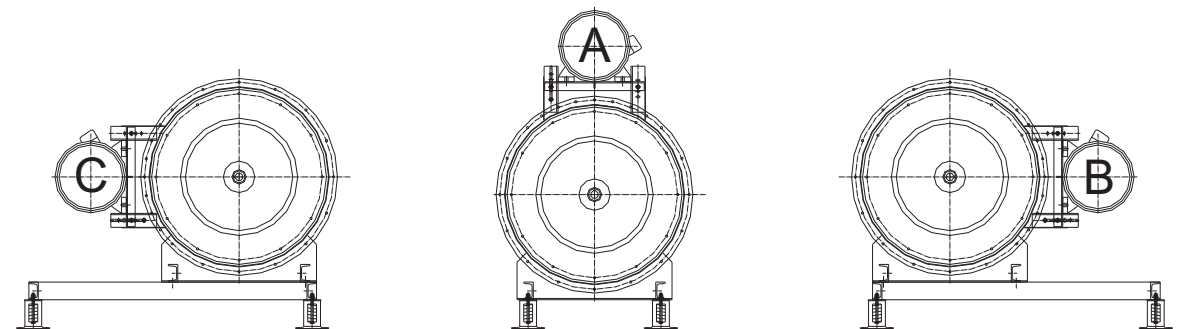
备注：尺寸数据单位为毫米（mm）；
Note: The unit for dimension values is mm;
风机重量未包含电机，电机重量请参考附表。
See the attached table for the motor weight (excluding motor).

功率(KW) 极数(poles)	电机重量(kg)Motor weight(kg)				功率(KW) 极数(poles)	电机重量(kg)Motor weight(kg)			
	2P	4P	6P	8P		2P	4P	6P	8P
0.25	14.5	14	14.5	17	4	45	43	73	110
0.37	15	14.5	16	24	5.5	64	68	84	121
0.55	15.5	15	17	28	7.5	70	81	121	147
0.75	16	18	23	33	11	118	124	146	182
1.1	17	22	25	38	15	115	132	167	220
1.5	22	27	33	45	18.5	128	164	210	280
2.2	25	34	45	63	22	165	180	223	300
3	33	38	63	79	30	225	225	290	385

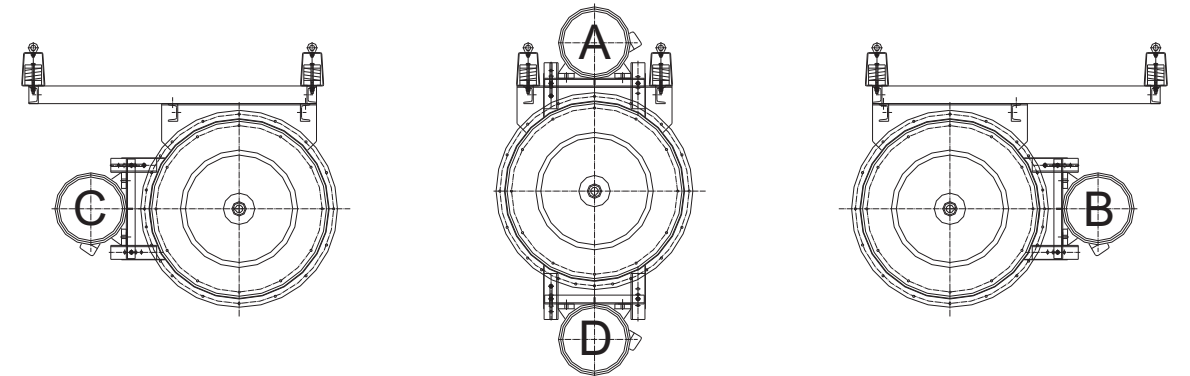
设备安装（MOUNTING）

- 水平安装
Horizontal installation
 - 机号为400-500的YFIMF风机自带四个标准的简易安装脚位；
YFIMF fan models from 400 to 500 have four standard pins for easy installation.
 - 机号为560~1250的YFIMF风机自带整体式安装脚，可满足现场座装和吊装的需要。
YFIMF fan models from 560 to 1250 have integral mounting pins and can meet the requirements of field installation on a base and suspension.
 - 现场电机安装位置可根据实际需要来选择；当电机位置处于B、C、D时，我们推荐单独选购延长安装支架。
The installation position of the motor on site can be selected according to the actual situations; when the motor is at Position B, C, D, we recommend the extension support to be selected separately.
 - 电机位置从出风口侧观察。
The motor position can be observed from the air outlet.

- 座装
Floor



- 吊装
Ceiling



- 垂直安装
Vertical installation

机号为400-1250的YFIMF风机皆可垂直安装(吊装或座装)，用于气流向上或向下的输送，我们推荐皮带型垂直安装时都需选配延长安装支架。
All YFIMF fan models from 400 to 1250 can be installed vertically (suspension or installation on a base) and used for conveying the air flow upwards or downwards, we recommend the extension support for the vertical installation of belt drive type.



功能与配置
Functions and configurations

产品功能与配置 Functions and configurations of products							
类别 Type	附件列表	Accessories	直联Direct		皮带Belt		
			普通(GT)	消防(SR)	普通(GT)	防爆(EX)	消防(SR)
配件 accessories	延长润滑油管（铜制）	Extension lubricating oil pipe (made of copper)			●	●	●
	环氧喷涂（银色）	Epoxy spray coating (silver)	●	●	●	●	●
	外置可拆卸普通接线盒	External removable commen junction box	●				
	外置可拆卸防爆接线盒	External removable explosion-proof junction box					
	外置可拆卸消防接线盒	External removable fire protection junction box		●			
	螺栓式清洁门	Screw-type access door	●	●	●	●	●
	半封闭皮带护罩*	Semi-sealed belt guard*			●	●	●
	全封闭皮带护罩	Fully sealed belt guard			★	★	★
	铝制进口文丘里管	Alumium inlet Venturi tube				●	
	检修开关	Access switch	★	★	★	★	★
	环氧电机防雨罩	Rain cover for epoxy motor			★	★	★
	进风口对法兰	Companion flange for air inlet	★	★	★	★	★
	出风口对法兰	Companion flange for air outlet	★	★	★	★	★
	进风口防水软接头	Waterproof flexible joint for air inlet	★		★	★	
	进风口防火软接头	Fireproof flexible joint for air inlet		★			★
	出风口防水软接头	Waterproof flexible joint for air outlet	★		★	★	
	出风口防火软接头	Fireproof flexible joint for air outlet		★			★
	进风口防护网	Air inlet protection net	★	★	★	★	★
	出风口防护网	Air outlet protection net	★	★	★	★	★
	表面喷涂颜色选择	Selection of top coat color	★	★	★	★	★
	延长安装支架	Extension support			★	★	★
	排烟防火阀（常闭）	Fire damper (constantly closed)					
	防火调节阀（常开）	Fireproof regulating damper (constantly open)		▲			▲
	风量调节阀	Air volume regulating damper	▲	▲	▲	▲	▲
	钢制重力止回风阀	Steel gravity back-draft damper					
	弹簧吊装减振器	Vibration isolators (spring suspension)	▲	▲	▲	▲	▲
	弹簧座装防剪切减振器	Anti-shear vibration isolators (installation on spring base)					
	橡胶座装减振器	Vibration isolators (installation on rubber base)					
	木笼包装*	Timber cage package*	●	●	●	●	●
	木托包装	Timber support package	★	★	★	★	★
文件 Document	《安装、运行和维护手册》	Instructions for Installation, Operation and Maintenance	●	●	●	●	●
	《生产合格证》	Production Certificate	●	●	●	●	●
	动平衡检测报告	Dynamic balance test report	★	★	★	★	★
	风机性能噪声检测报告	Fan performance&sound test report	★	★	★	★	★
	整机振动频谱分析	complete-set vibration spectrum analysis	★	★	★	★	★
	到工厂目击检测	Witnessed manufacturer's testing	★	★	★	★	★
备注	Remarks						
●	标配 Standard						
★	选配 Optional						
▲	多选— Select one from multiple options						
*	默认 Default						

技术规范
Technical specifications

第一节：质量标准
Section I: Quality standards

高效全混流风机应按照AMCA标准210和300进行检测并按照AMCA出版物211和311进行风机空气性能，声音和效率等级认证。每台风机出厂时均应贴有AMCA空气性能、声音和能效标识一体的认证标签。生产企业应通过ISO9001-2008质量体系认证。

The highly efficient mixed flow fan shall be tested in accordance with AMCA Standard 210 and 300 and AMCA Licensed according to AMCA Publication 211 and 311 for air performance, sound and FEG, and each fan shall be affixed with AMCA's special label on air performance, sound and FEG ,The manufacturer must own theISO9001-2008 certification.

第二节：风机类型
Section II: Fan types

风机类型应为全混流式风机，并采用全混流叶轮。
The fan shall be fully mixed-flow fan equipped with fully mixed-flow wheel.

全混流叶轮应为钢制，叶轮必须配备前盘和半球轮毂，并采用三维曲面叶片。叶轮应经过动平衡校验，达到国际标准 ISO1940 的 G2.5平衡等级。
The mixed-flowed wheel shall be made of steel and must have front discs and dome-shaped hubs, and blades with 3D curved surface shall be adopted. Besides, after equilibrium calibration, the wheel shall conform to the Balance Quality Grade G2.5 according to ISO1940.

风机应配备流线型的入口文丘里管，且筒体内必须安装导流栅以降低紊流，提高效率。
The fan shall be equipped with streamlined inlet Venturi tube, with straightening vanes mounted within the cylinder to reduce turbulent flow and improve efficiency.

叶轮前盘应与进口文丘里管应精密配合，避免紊流和气体泄漏产生；
The front disc and the inlet Venturi tube shall be precisely matched to avoid turbulent flow and air leakage.

风机筒体：风机筒体应为双层结构，即：配置导流内筒和导流栅，导流内筒和外筒内壁间应通过导流叶片联接，一方面起到稳固导流筒的作用，另一方面提升风机气动性能和静压效率；使气流更顺畅地流动；导流栅叶片应为符合流场特性的三维曲面，
Fan cynlinder: double-layer structure shall be adopted for the fan cylinder, i.e., straightening inner cylinder and straightening vanes shall be configured, and the straightening inner cylinder shall be connected with the inner wall of the outer cylinder thorough the straightening blade, which can both secure the straightening cylinder and improve the aerodynamic performance of the fan and the efficiency of static pressure; smoother air flow is required; and the blades of the straightening vanes shall be of 3D curved surface in compliance with flow field characteristics.

清洁门：风机应配有螺栓式清洁门，位置处于叶轮侧，方便清洁叶轮；
Access door: The fan shall be equipped with screw-type access door at the blade side for cleaning the impeller.

第三节：风机材料
Section III: Fan materials

风机筒体和叶轮应为优质碳钢连续焊接而成，材料厚度最小为2mm，保证风机长期使用的安全性和可靠性；
The cylinder and impeller of the fan shall be continuously welded and made of quality carbon steel no less than 2mm thick to ensure the long-term safe and reliable use of the fan.

第四节：表面处理
Section IV: Surface treatment

整机喷涂前应采用酸洗，磷化和碱洗等表面预处理工艺以确保防腐性能，并应采用静电环氧喷涂，提升产品防腐性能 and 使用寿命；颜色应为银色；
Before epoxied the complete set, available pickling, phosphating, caustic washing and other surface pretreatment processes shall be carried out to ensure the corrosion resistance performance, and electrostatic spray (epoxy) shall be adopted to improve the corrosion resistance and service life of the product. the spray color shall be silver.

第五节：结构形式
Section V: Structure

直联型
Direct drive type

风机叶轮应与电机直接连接，电机应采用B5安装结构，电机防护等级应为IP54，绝缘等级F级，温升等级B级。电机轴承应为滚珠式免润滑型。电机应处于导流筒体之内，与气流相对隔绝，以避免输送介质对电机性能产生的影响。

The fan impeller shall be directly connected with the motor. The motor shall adopt B5 installation structure, and its protection grade shall be Ip54, while insulation class F and temperature rise B. The motor bearing shall be self-lubricating ball bearing. The motor shall be within the straightening cylinder and isolated from the air flow relatively to prevent the effect of the conveying medium on the motor performance.

电机接线盒：由于电机位于风机内部，供应商应提供将接线引至风机外部的电机接线盒，并根据消防型、防爆型、普通型等应用，分别配备正确的接线盒类型。

Junction box of motor: Since the motor is within the fan, the supplier shall provide junction boxes to lead the wire out of the fan, and correct types of junction boxes shall be selected according to the specific applications, such as fire protection type, explosion proof type and common type.

皮带型
Belt drive type

轴：风机轴材质应为40Cr，应经过均质炉热处理确保硬度达到HB286等级，屈服极限应达到550MPa，其表面应进行坚膜防腐处理，并且连同叶轮进行整体动平衡。其设计运行速度应至少超过风机最大运行速度的25%；
Shaft: the fan shaft shall be made of 40Cr and hot-treated with homogeneous furnace to ensure that the hardness grade reaches HB286 and the yield limit reaches 550MPa, and anti-corrosion hardening treatment shall be conducted on the surface, and whole dynamic balancing shall be conducted on such surface together with the impeller. The designed operation speed shall at least exceed 25% of the maximum operation speed of the fan;

皮带轮：皮带轮的规格应当按照驱动功率的150%选型，皮带轮应为铸铁材质。皮带轮应当采用退拔形式的轴套进行固定以便拆卸；
Belt pulley: the belt pulley shall have specifications as per 150% of the drive power, be made of cast iron, and be fixed with taper lock bush to facilitate dismantlement;

皮带：皮带应为防油耐热、防静电型；
Belt: the belt shall be resistant from oil, heat and electrostatic discharge.

轴承：应采用独立的金属轴承支撑风机轴，以避免振动直接施加于电机之上。轴承类型应为永久密封的，可润滑的枕块型滚珠金属轴承。在样本公布的最大转速下，轴承寿命应不低于（L-10）80000小时。品牌应采用国际知名轴承品牌，例如FYH、SKF等。
Bearing: independent metal bearing shall be used for supporting the fan shaft to prevent vibration from directly applying onto the motor. The bearing shall be sealed-for-life, self-lubricating ball bearing of pillow block type and metal material. At the maximum rotation speed as indicated in the catalogue, the bearing life shall be no less than (L-10) 80000 hours. And international famous brands shall be selected, such as FYH, and SKF, etc.

轴承延长润滑油管：延长的润滑油管用于在机器外，在不拆卸风机的情况下，方便地进行轴承加注油脂的操作。油管的材质应为铜制。
Extension lubricating oil tube for bearing: the extended lubricating oil tube is used outside the machine for conveniently filling grease to the bearing without dismantling the fan. And the material of the oil tube shall be copper.

支撑：驱动装置应当使用稳固的经过粉末喷涂防腐的钢板支撑，皮带松紧应当可以调节电机底座来进行，其设计应确保风机轴与电机轴的平行度；
Support: the driving device shall be supported with powder-coated anti-corrosion steel plate, the belt shall be adjustable, and the design of the motor base shall ensure the parallelism of the fan shaft and the motor shaft.

皮带防护罩：应配置半封闭型皮带防护罩，防止造成人身伤害。
Belt guard: semi-sealed belt guard shall be set to avoid personal injuries.

电机：电机应与风机负载紧密配合，采用B3安装结构。电机防护等级为IP54，绝缘等级F级，温升等级B级。电机轴承应为滚珠式免润滑型。电机功率储备系数应按110%取，以提升风机使用的安全性；电机类型必须根据具体工况要求正确选取TEFC、2-SPD、EXP、VFD和60Hz等类型。电机在室外安装时，应附带环氧喷涂电机防雨罩。
Motor: The motor shall match with the fan load, and B3 installation structure shall be adopted. The protection grade of the motor shall be IP54, while insulation class F and temperature rise B. The motor bearing shall be self-lubricating ball bearing. The power reserve coefficient of the motor shall be per 110% so as to improve the safety in using the motor; and TEFC, 2-SPD, EXP, VFD, 60Hz and other correct motor types must be selected according to the specific working conditions. And epoxy spray rain cover shall be provided for motors to be installed outdoors.

第六节：选配件
Section VI: Options

延长安装支架：应提供延长安装支架配件供用户选择，方便现场安装需要；
Extension support: extension support accessories shall be provided for the users to select and meeting the requirements of field installation;

其他配件：应根据每台设备的具体要求，提供相关配件，例如：风量调节阀、重力式止回风阀、防火调节阀、排烟防火阀、减振器、进出口防护网、进出口软接头等。
Other accessories: relevant accessories shall be provided according to the specific requirements for each set of equipment, such as air volume control damper, Gravity back-draft damper, fireproof regulating damper, fire damper, vibration isolators, protection net for inlet and outlet, and flexible joints for inlet and outlet, etc.

第七节：消防风机及认证（仅适用于消防排烟）
Section VII: Fire protection and smoke exhaust fans and certification (for smoke removal duty only)

该风机作为消防风机应当通过JB/T10562-2006《一般用途轴流风机技术条件》检验，应保证常规性能符合标准要求，并提供拥有检测资质的机构出具的检测报告。同时该类型风机还必须经国家认可的消防安全检测机构按照GA211-2009《消防排烟风机耐高温试验方法》检验，在主风道介质温度为280℃时必须能够连续运行30分钟以上，保证耐高温性能符合标准要求，并提供拥有相关资质的机构出具的检测报告。

The fire protection and smoke exhaust fans shall pass the inspection according to JB/T10562-2006 “Technical Specification for General Purposes Axial Fans”, their general performance shall meet the requirements of such standard, and relevant test report issued by an institution with corresponding qualification shall be provided. Meanwhile, such type of fans must also pass the inspection performed by a national recognized fire safety testing institution according to the GA211-2009 “High Temperature-resistant Test Methods for Fire Fan in Smoke-venting System”, ensuring that the fan can continuously run for over 30 minutes and the high temperature resistance can meet the requirements of such standard when the medium temperature in the main air duct is 280℃, and relevant test report issued by an institution with corresponding qualification shall be provided.

第八节：铭牌
Section VIII: Nameplate

永久固定的铝制标牌上应标有清晰可辨的风机编号，型号和产品序列号（即每台机器的唯一身份证明），从而可保证客户方便地查询配件的历史记录。
Aluminum nameplate shall be permanently fixed and clearly indicate legible fan number, model and product serial number (i.e. unique identification of each machine), ensuring that the customers can conveniently query the historical records of the accessories.

第九节：可接受供货商
Section IX: Qualified suppliers

可接受供货商的资信等级为AAA级，英飞或类似产品，设计基于英飞YFIMF型号。
Qualified suppliers shall have an AAA credit rating, providing Infinair or similar products, with their design based on YFIMF models of Infinair.

USGBC：美国绿色建筑委员会简介
Introduction of United States Green Building Committee

1. 什么是USGBC？
What is USGBC？

USGBC全称为美国绿色建筑委员会（The U.S. Green Building Council），全美国唯一一个在环保建筑方面代表整个建筑行业的非营利性（NPO）机构。其会员都是来自于行业中各种类型公司的领袖企业。其宗旨是整合建筑业各机构、推动绿色建筑和建筑的可持续发展、引导绿色建筑的市场机制、推广并教育建筑业主、建筑师、建造师的绿色实践。

USGBC is widely known as the United States Green Building Council, the only non-profit (NPO) institution on behalf of the environmental protection construction in the whole construction industry. Its members are made up of leading enterprises from various sectors. Its purpose is to integrate the construction industry agencies, promote sustainable development of green building and construction, guide market mechanism of green building, promote and educate building owners, architects green practice.

2. 什么是LEED认证？
What is LEED certificate？

美国绿色建筑委员会（USGBC）在1995年建立了一套自愿性的国家标准LEED（Leadership in Energy and Environmental Design——领导型的能源与环境设计），该体系用于开发高性能的可持续性建筑，进行绿色建筑的评级。整个项目包括培训、专业人员认可、提供资源支持和进行建筑性能的第三方认证等多方面的内容。

United States Green Building Committee (USGBC) established a set of voluntary national standards LEED（Leadership in Energy and Environmental Design）in 1995. The system is applied to develop sustainable construction of high performance for green building ratings. The entire project includes training, professional recognition, resources support, the third-party certification of construction performance.

3. LEED认证价值
Certification Value of LEED

LEED属于第三方认证，在技术和管理上保持高度的权威性：LEED认证体系是根据如ASHRAE（美国采暖空调工程师学会）标准的深入定量分析，使建筑的设计和制作过程更趋于可控化、可实践性；并能提高绿色建筑在当地市场的声誉及取得优质的物业估值，从而推动市场转型，形成良性循环。

LEED is a rating system certified by third party, maintaining a high degree of authority on technology and management. LEED certification system is a kind of in-depth quantitative analysis based on such as ASHRAE (American Society of Heating Air Conditioning Engineers) standard, which makes design and construction production process tend to be more controllable and practical. That increases green buildings' reputation in the local market and gain excellent valuation of property quality, thus promoting market transition and forming a virtuous circle.

AMCA—空气运动与控制协会简介

1. 什么是AMCA?

AMCA是一个国际性的、非盈利性的组织，致力于风机、百叶、风阀和其他空气处理设备性能的认证工作，其成员包括了目前世界上主流生产厂家的大多数，并能够提供独立于买卖双方之外的第三方检测认证。这个组织的任务和宗旨是令通风行业与目前公众事业的发展同步，保证行业健康而稳步地发展。除此之外，它还制定了行业内很多非常重要的基础性的标准。AMCA是行业内最权威的产品认证机构，同时也是行业自律的重要体现。

2. AMCA认证印章

AMCA认证额定值印章确保了一个产品系列已经通过AMCA测试标准和等级要求。AMCA认证额定值印章可显示在产品样本和已经获得了加盖AMCA印章授权后的产品设备，按照AMCA International 程序。

3. 声音、空气性能与效率等级印章

对于一个贴有AMCA认证印章的产品，必须在AMCA International 实验室或AMCA认证的实验室进行检测。为了能够获得贴AMCA认证印章的许可，每一个生产商还必须达到如下要求：

- (1) 样本的参数一定要按照正确的标准进行检测
- (2) 所有的检测必须在AMCA International 实验室或AMCA认证的实验室进行
- (3) 检测结果必须由AMCA进行审核
- (4) 所有的样本在印刷前必须交由AMCA认可
- (5) 至少每三年重新提交授权产品的性能检验
- (6) 所有性能认证的产品必须备受挑战



4. 风机效率等级FEG介绍

- (1) FEG是评估风机空气动力学质量的最有效指标；
- (2) 在独立于电机/控制系统评估风机时，该指标是唯一可用的指标；
- (3) FEG是用于衡量风机将轴功率或叶轮功率转化为空气功率的空气动力学能力指标；
- (4) 效率等级是用于界定风机的能源利用质量的特性，最大程度地反映风机节能的潜力。

竞争对手可以挑战任何认证产品的性能等级。一旦挑战被确定，性能等级应予以修正或产品从程序撤回。

英飞实验室简介
Laboratory Introduction

- 英飞空气动力实验室通过下列方式保证结果的准确性：
Following methods are used to increase Infinair aerodynamic laboratory's test accuracy:

- (1) 严格按照AMCA-210标准进行设计、制造；
 - (2) 采用先进的流量喷嘴法取代了传统的毕托管检测，精度进一步提高；
 - (3) 实验室大量采用最新型精密的检测设备和测量装置；
 - (4) 实验设施和量具经过严格的标定并定期复检。
实验室的建立，确保了英飞有能力高精度地检测各种产品设计方案，提高了参数的正确性和产品的可靠，使得英飞更加值得您信赖。
- (1) Strictly following AMCA-210 standards to design and fabricate
 - (2) Traditional Pitot tube method is replaced by high precision nozzle matrix to increase accuracy.
 - (3) State of the art instruments and equipments are widely used in the lab.
 - (4) Test instruments are strictly calibrated, the calibration is repeated in time.
The lab assures INFINAIR is capable to test different product design, increase the accuracy and liability of products, and become a good reason why you trust INFINAIR.



飞鹰服务
Eagle Service



英飞文丘里选型软件可以帮助您：

- ✓ 提供详细的数据：包括外形尺寸图、曲线、噪声，形成技术参数汇总表；
- ✓ 提供精确的数据，例如海拔和温度的修正；
- ✓ 跨型号的参数比较和优化；
- ✓ 精确选择电机和附件；
- ✓ 提供设备技术规范；

如果需要，请联系我们当地的办事处。

INFINAIR VENTURI model selection software may help you in the following area:

- ✓ Provide concrete data including dimensional drawing, performance curve and noise, etc.
- ✓ Provide precise data, such as sea level and temperature adjustment.
- ✓ Cross model parameter comparison and optimization.
- ✓ Select motor and accessories accurately.
- ✓ Offer technical specification.

Please contact our local agency if necessary.

产品保修条款

上海诺地乐通用设备制造有限公司承诺针对本公司生产的“INFINAIR®”品牌的产品，进行自出厂日期起为期壹年的质量保证。如在质保期内出现产品本身质量问题，我公司将仅对发生质量问题的零件进行维修或更换（并不包括皮带、过滤器等易损件或消耗品），除此之外本公司并不承担其他任何费用和损失。

限制和免除责任条款

●本保修条款不包含由下列原因导致的维修或更换：

- (1) 产品运行实际工况偏离合同约定条件（包括但不限于温度、腐蚀性、气体成份、电源、系统阻力等）；
- (2) 产品野蛮装卸、部分零件被去除或不恰当更换、维护不当、现场事故、未进行过热保护或长期反向运转等严重违反《安装操作维护手册》规定造成的设备损伤；
- (3) 未经许可的产品拆解后再组装或改造；
- (4) 序列号被更改、被去除或不正确；
- (5) 不可抗力造成的产品损坏。

Warranty

Shanghai Nautilus General Equipment Manufacturing Co., Ltd warrants the “INFINAIR®” brand products that we produce for a period of one year since the ex-factory date. Should there be any problem about the product quality itself during the guarantee period, you are authorized to demand for servicing or replacing the damaged components (vulnerable components such as belt, filter, etc. are not included); We don't bear any other costs or losses.

Limitations and exclusions

The warranty doesn't include maintenance or replacement caused by the following reasons:

- (1) The running conditions of the product deviate from what is defined in the contract (include, but are not limited to temperature, corrosion, contaminants, power supply, system resistance, etc.);
- (2) Damages caused by violent handling, removal of some components, improper replacement or maintenance, on-site accidents, lack of over-heat protection equipment or long term reversed rotation which severely violate the specifications in the Installation, Operation and Maintenance manual;
- (3) Unauthorized disassembly and then reorganization or alteration to the product;
- (4) The serial number of the product has been altered, removed or is incorrect;
- (5) Damages due to irresistible force.

本公司保留更改样本的权利，恕不另行通知。

Due to continuing research, Shanghai Nautilus reserves the right to change specifications without notice.