INFINAIR™

INFINAIR ARABIA CO. LTD.

YFIMF

High Performance Mixed Flow Fan

ISO Certified Factory

SYSTEM CERTIFICATION ISO 9001 SGS QAULITY ASSURANCE

SYSTEM CERTIFICATION ISO 14001 SGS ENVIRONMENTAL

SYSTEM CERTIFICATION ISO 45001 SGS HEALTH & SAFETY

INFINAIR ARABIA COMPANY LTD. certifies that the High Performance Mix Flow Fans (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

amca WORLDWIDE CERTIFIED RATINGS SOUND AIR PERFORMANCE FEG

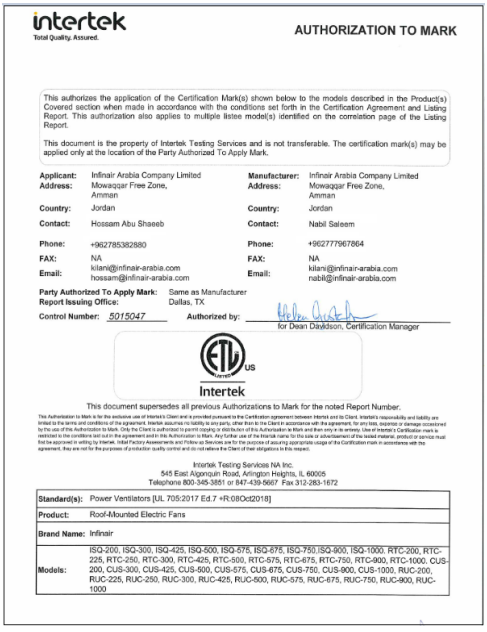
High Performance Mix Flow Fans
Sizes 400 mm - 1250 mm

Management Massages

INFINAIR ARABIA would like to express their thanks to all of you that you have selected INFINAIR products. INFINAIR products have been exported to many countries all over the world. INFINAIR is always looking to satisfy the customers in all levels by providing high quality fans. The fans engineering designs include a lot of solutions that maintain high performance, less power consumption, low noise and high efficiency rate. INFINAIR is very interested in Quality Management ISO 9001 and Health and Safety Management 1SO 14001 and ISO 45001. We believe that management is the base to develop our products. INFINAIR has qualified engineers and designers to support customers before and after the orders. We have many training programs for the customers & consultants that enable them to get valuable information about Fans Engineering. INFINAIR has many departments to support their customers: Sales, Application, Engineering, Production, Quality and Service to make sure the products specifications are followed as per customers needs.

Certifications and Accreditation

INFINAIR ARABIA COMPANY LTD has considered the certifications and accreditation at first priority to make sure that customer will buy a safe product, high quality air performance and finishing. INFINAIR has done many steps toward success for help all kind of customers in Middle East and North Africa (MENA). All INFINAIR products are under warranty for 18 months of delivery date. If customer would join Warranty extended program for 2 years or 5 years that is also possible.



intertek
Total Quality. Assured.

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant:	Infinair Arabia Company Limited	**Manufacturer:**	Infinair Arabia Company Limited
Address:	Mowaqqar Free Zone, Amman	**Address:**	Mowaqqar Free Zone, Amman
Country:	Jordan	**Country:**	Jordan
Contact:	Hossam Abu Shaeeb	**Contact:**	Nabil Saleem
Phone:	+962785382880	**Phone:**	+962777967864
FAX:	NA	**FAX:**	NA
Email:	kilani@infinair-arabia.com hossam@infinair-arabia.com	**Email:**	kilani@infinair-arabia.com nabil@infinair-arabia.com

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Dallas, TX
Control Number: 5015047 **Authorized by:** for Dean Davidson, Certification Manager

Intertek

This document supersedes all previous Authorizations to Mark for the noted Report Number.

Standard(s):	Power Ventilators [UL 705:2017 Ed.7 +R:08Oct2018]
Product:	Roof-Mounted Electric Fans
Brand Name:	Infinair
Models:	ISQ-200, ISQ-300, ISQ-425, ISQ-500, ISQ-575, ISQ-675, ISQ-750, ISQ-900, ISQ-1000, RTC-200, RTC-225, RTC-250, RTC-300, RTC-425, RTC-500, RTC-575, RTC-675, RTC-750, RTC-900, RTC-1000, CUS-200, CUS-300, CUS-425, CUS-500, CUS-575, CUS-675, CUS-750, CUS-900, CUS-1000, RUC-200, RUC-225, RUC-250, RUC-300, RUC-425, RUC-500, RUC-575, RUC-675, RUC-750, RUC-900, RUC-1000

UL listed Certificate

Air Movement & Control Association International, Inc.
The International Authority on Air System Components Since 1917

amca INTERNATIONAL
MEMBER

INFINAIR ARABIA COMPANY LTD.

September 2019
Member Since

Executive Director

AMCA Membership

Certificate JO19/2462

SGS

The management system of
INFINAIR ARABIA COMPANY LTD.,
Mowaqqar Free Zone - Industrial Area - Amman - Jordan

has been assessed and certified as meeting the requirements of
ISO 45001:2018

For the following activities
Design, Manufacturing, Sales and Servicing of Commercial and Industrial Fans.

This certificate is valid from 03 September 2019 until 03 September 2022 and remains valid subject to satisfactory surveillance audits.
Recertification audit due a minimum of 60 days before the expiration date
Issue 1. Certified since September 2019

Authorised by

SGS United Kingdom Ltd
Rossmore Business Park Ellesmere Port Cheshire CH65 3EN UK
t +44 (0)151 350 6666 f +44 (0)151 350 6600 www.sgs.com

HC SGS 45001 2018 0319

Page 1 of 1

UKAS MANAGEMENT SYSTEMS 0005

ISO 14001:2015

Certificate JO19/2461

SGS

The management system of
INFINAIR ARABIA COMPANY LTD.,
Mowaqqar Free Zone - Industrial Area - Amman - Jordan

has been assessed and certified as meeting the requirements of
ISO 14001:2015

For the following activities
Design, Manufacturing, Sales and Servicing of Commercial and Industrial Fans.

This certificate is valid from 03 September 2019 until 03 September 2022 and remains valid subject to satisfactory surveillance audits.
Recertification audit due a minimum of 60 days before the expiration date
Issue 1. Certified since September 2019

Authorised by

SGS United Kingdom Ltd
Rossmore Business Park Ellesmere Port Cheshire CH65 3EN UK
t +44 (0)151 350 6666 f +44 (0)151 350 6600 www.sgs.com

HC SGS14001 2015 0819

Page 1 of 1

UKAS MANAGEMENT SYSTEMS 0005

ISO 45001:2018

Certificate JO19/2460

SGS

The management system of
INFINAIR ARABIA COMPANY LTD.,
Mowaqqar Free Zone - Industrial Area - Amman - Jordan

has been assessed and certified as meeting the requirements of
ISO 9001:2015

For the following activities
Design, Manufacturing, Sales and Servicing of Commercial and Industrial Fans.

This certificate is valid from 03 September 2019 until 03 September 2022 and remains valid subject to satisfactory surveillance audits.
Recertification audit due a minimum of 60 days before the expiration date
Issue 1. Certified since September 2019

Authorised by

SGS United Kingdom Ltd
Rossmore Business Park Ellesmere Port Cheshire CH65 3EN UK
t +44 (0)151 350 6666 f +44 (0)151 350 6600 www.sgs.com

HC SGS 9001 2015 0819

Page 1 of 1

UKAS MANAGEMENT SYSTEMS 0005

ISO 9001:2015

>> Company Info

INFINAIR ARABIA COMPANY LTD s the first company in Kingdom of Jordan for producing ventilation industries specialized in fans production for HVAC objectives and Industrial purposes. It has been founded by the worldwide INFINAIR CORP that has been established in 2003. INFINAIR is a high technology brand. INFINAIR ARABIA is targeting to keep providing very high technology product, new solutions to the market, high energy saving fans, fast delivery to MENA, customer care, service after sales, new innovation ideas help customers to pay less cost with best solutions

Factory Address: Kingdom of Jordan, Amman, Mowaqqar Free Zone

Sales & Service Office:
INFINAIR ARABIA CO. LTD Sales offices are covering GCC and Africa:
- Jordan Sales Head Office and Technical Support - Amman
- Saudi Arabia, United Arab Emirate, Bahrain, Oman, Qatar and Iraq

Company Vision:
To be the most trusted brand in ventilation industry in the World

Company Mission:
To Provide reliable, convenient air movement controls, operations and services.

Awards and Achievements:
High-tech Enterprise
Renowned trademark: INFINAIR™
Shanghai Famous Brand Product : INFINAIR FAN
SGS ISO 9001, ISO 14001 and ISO 45001 Management Certificates

Technological Strength of INFINAIR Brand:

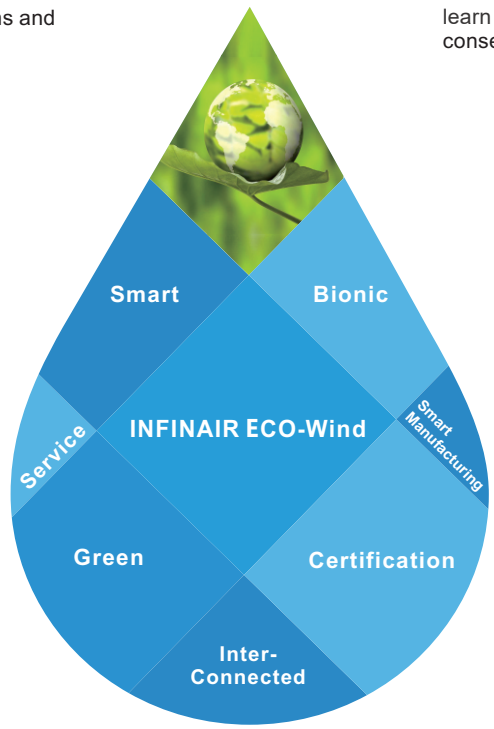
Control Association (AMCA) accredited laboratory in our Head Quarter in PRC. Most of the INFINAIR products are tested and certified by many international certification bodies. The Strength of INFINAIR ARABIA comes from a strong JV with INFINAIR CORPORATION

INFINAIR **Intelligent Ventilation Technology**

- **Smart Needs Identification:**
  It can dynamically adjust the operation target to the changing load and environment.
- **Intelligent Adjustment :**
  The use of inverter or EC smart control technology can make the fans achieve best results under the control of the intelligent speed regulation system.
- **Intelligent Real-time Information:**
  Individual workstations are linked to the central control system through internet or local area network
- **Intelligent Detection system:**
  Reliable sensors can detect early symptoms and notify the user, ensuring stable operation.

INFINAIR **Bionic Technology**

- **INFINAIR's Bionic Energy Conservation**
  We develop energy saving products by observing behaviors from the animal kingdom. How can birds fly thousands of miles with extremely low energy consumption?
- **INFINAIR Bionic Sound Reduction**
  Why Owls can fly so silently? Even mice are not being able to detect their approach?
- The research and development of INFINAIR products are heavily inspired by the animal evolution over the past millenniums. We have learn how energy and sound are being able to conserve from their amazing changes .



INFINAIR's After-sales Service

- **Joint Research & Development**
  The Joint R&D can provide customer the necessary support and guidance during the initial research progress
- **Customization**
  Our products are fully customization. We are able to satisfy customer requirements on an individual basis
- **Adequate After-sales Service**

INFINAIR's Intelligent Fabrication

- Intelligent fabrication process
- Power test, dynamic balancing test and communication test performed on the production line
- Robotic welding technology
- Lean production
- 6Σ Systems

Green Smart Technology

- **CFD Simulation & Analysis**
  A computer-aided air movement simulation model which can calculate the efficiency of the fan based on the number of blades, blade angle, width, and sound level.
- **Finite Element Analysis Technology**
  To analyze and provide accurate prediction of how material is likely to respond when subjected to structural and/or thermal loads.

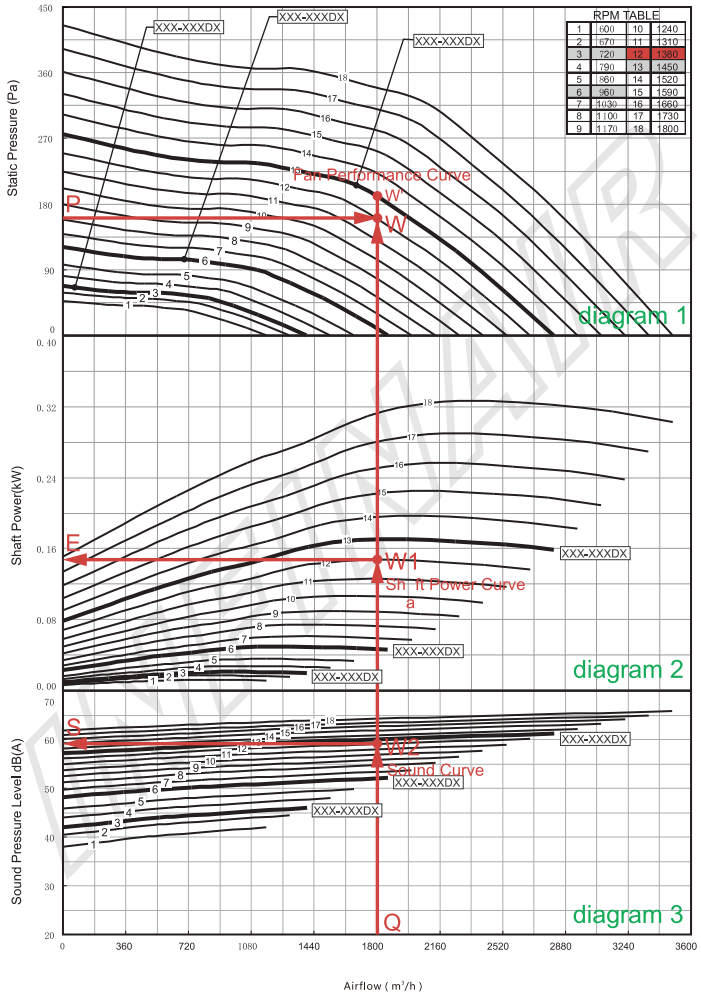
Connectivity

- Matrix Connection
- Central Connection
- Terminal Connection

Certifications and Tests

- **Most of the products are certified by:**
  SMOKE, ATEX, AMCA
- **Performance and Reliability Tests:**
  Airflow, Air Pressure, Power, Sound Level, Temperature Durability, Salt Spray and Water Proof Test, etc

Performance Curves - Technical



Example:
Airflow: 1,800m^3/h, Static pressure: 160 Pa

Step One: A vertical line is drawn from the given airflow (Point Q: 1,800m^3/h) and a horizontal line from the given static pressure (Point P: 160 Pa). The intersection point (Point W) is the operating point. Then find a performance curve closest to Point W (in this case, it is Static Pressure Curve 12 at RPM 1,380 as shown).
Step Two: From the intersection point (Point W1) between the vertical line and Shaft Power Curve is drawn a horizontal line. Its intersection point with the Shaft Power axis (Point E: about 0.15 kW) represents the actual power consumption. So a 0.25 kW motor shall be used.
Step Three: From the intersection point (Point W2) between the vertical line and Sound Curve is drawn a horizontal line in Diagram 3. Its intersection point with the Sound Pressure Level axis (Point S: about 59 dB (A)) represents the sound level for the operating point of W.
Step Four: From the above steps, the model of the fan is identified as RTC-300-0.25 of belt drive type at 1,380 RPM. If fans of lower power or lower sound are preferred, please refer to larger fans for further comparison. It should be noted that the primary investments for larger fans would increase.
Step Five: If a fan of 1,800 m^3/h at 180 Pa static pressure is needed, it is easy to know that Point W' is very close to Curve 13 in boldface(representing the fan of direct drive type at 1,450 RPM and 4-pole motor). The arrow leads to model RTC -300D4 equipped with a 0.25 kW motor, which has low price performance ratio.

Fan Law 1

Airflow delivered by a fan varies in direct proportion to the change in its rotational speed

$$CFM_2 = \frac{RPM_2}{RPM_1} \times CFM_1$$

Fan Law 2

Static Pressure developed by a fan varies with the square of the change in its rotational speed

$$SP_2 = \left(\frac{RPM_2}{RPM_1}\right)^2 \times SP_1$$

Fan Law 3

Power required by a fan varies with the cube of the change in its rotational speed

$$BHP_2 = \left(\frac{RPM_2}{RPM_1}\right)^3 \times BHP_1$$

Unit Conversions

AREA		
MULTIPLY	BY	TO OBTAIN
in^2	0.006944	ft^2
	0.0006452	m^2
	645.16	mm^2
ft^2	144	in^2
	0.09290	m^2
	92903	mm^2
m^2	10.76	ft^2
	1550	in^2
	10^6	mm^2

DENSITY		
MULTIPLY	BY	TO OBTAIN
lb/ft^3	16.02	kg/m^3
kg/m^3	0.06243	lb/ft^3

LENGTH		
MULTIPLY	BY	TO OBTAIN
ft	12	in
	0.3048	m
	304.80	mm
in	0.0833	ft
	0.02540	m
	25.4	mm
m	3.2808	ft
	39.37	in
	1000	mm
mm	0.003281	ft
	0.03937	in
	0.001	m

MASS		
MULTIPLY	BY	TO OBTAIN
lb_m	16	oz
	453.59	grams
	0.45359	kg
oz	0.0625	lb_m
	28.35	grams
	0.0283	kg
grams	0.002205	lbm
	0.03527	oz
	0.001	kg
kg	2.2046	lbm
	35.274	oz
	1000	grams

MOMENT OF INERTIA		
MULTIPLY	BY	TO OBTAIN
$lb\text{-}in^2$	0.0069	$lb\text{-}ft^2$
	0.0002926	$kg\text{-}m^2$
$lb\text{-}ft^2$	144	$lb\text{-}in^2$
	0.04214	$kg\text{-}m^2$
$kg\text{-}m^2$	23.73	$lb\text{-}ft^2$
	3417.2	$lb\text{-}in^2$

POWER		
MULTIPLY	BY	TO OBTAIN
HP	33000	ft-lb/min
	550	ft-lb/s
	745.7	W
	0.7457	kW
	76.04	kg-m/sec
ft-lb/min	0.0000303	HP
	0.0167	ft-lb/s
	0.0226	W
	0.0023	kg-m/sec
ft-lb/s	0.0018	HP
	60	ft-lb/min
	1.3558	W
	0.1388	kg-m/sec
W	0.00134	HP
	44.254	ft-lb/min
	0.73756	ft-lb/s
	0.1019	kg-m/sec
kg-m/sec	0.01	hp
	434.78	ft-lb/min
	7.20	ft-lb/s
	9.81	W

PRESSURE		
MULTIPLY	BY	TO OBTAIN
psi	27.728	in-wg
	2.036	in-Hg
	6894.8	Pa
	704.28	mm-wg
	51.715	mm-Hg
	0.06805	atm
in-wg	0.03607	psi
	0.07343	in-Hg
	248.66	Pa
	25.4	mm-wg
	1.8651	mm-Hg
	0.002454	atm
in-Hg	0.49115	psi
	13.619	in-wg
	3386.4	pa
	345.91	mm-wg
	25.4	mm-Hg
	0.03342	atm
Pa	0.000145	psi
	0.004022	in-wg
	0.0002953	in-Hg
	0.10215	mm-wg
	0.007501	mm-Hg
	0.0000099	atm
mm-wg	0.00142	psi
	0.03937	in-wg
	0.002891	in-Hg
	9.7898	Pa
	0.07343	mm-Hg
	0.0000966	atm
mm-Hg	0.01934	psi
	0.53616	in-wg
	0.03937	in-Hg
	133.32	Pa
	13.619	mm-wg
	0.001316	atm
atm	14.696	psi
	407.48	in-wg
	29.921	invHg
	101300	Pa
	10350	mm-wg
	760	mm-Hg

ROTATING SPEED		
MULTIPLY	BY	TO OBTAIN
RPM	0.0167	rps
	0.0167	Hertz
RPS	60	rpm
	1	Hertz
Hertz	60	rpm
	1	rps

TORQUE		
MULTIPLY	BY	TO OBTAIN
lb-in	0.083	lb-ft
	0.11298	N-m
lb-ft	12	lb-in
	1.3558	N-m
N-m	0.73756	lb-ft
	8.8507	lb-in

TEMPERATURE
°F = 9/5 C + 32
°C = 5/9 (F – 32)

INFINAIR™

VELOCITY		
MULTIPLY	BY	TO OBTAIN
fpm	0.0167	fps
	.2	in/sec
	0.005080	m/s
	0.30480	m/min
fps	60	fpm
	12	in/sec
	0.30480	m/s
	18.288	m/min
in/sec	5	fpm
	0.0833	fps
	0.02540	m/s
	1.524	m/min
m/s	196.85	fpm
	3.2808	fps
	39.37	in/sec
	60	m/min
m/min	3.2808	fpm
	0.05468	fps
	0.65617	in/sec
	0.0167	m/s

VOLUME		
MULTIPLY	BY	TO OBTAIN
ft^3	1728	in^3
	28.317	l
	0.02832	m^3
in^3	0.000579	ft^3
	0.01639	l
	0.0000164	m^3
l	0.03531	ft^3
	61.024	in^3
	0.001	m^3
m^3	35.315	ft3
	61024	in3
	1000	l

VOLUME FLOW		
MULTIPLY	BY	TO OBTAIN
CFM	0.0004719	m^3/sec
	0.02832	m^3/min
	1.6990	m^3/hr
	0.47195	l/s
	28.317	l/min
m^3/sec	2118.9	CFM
	60	m^3/min
	3600	m^3/hr
	1000	l/s
	60000	l/min
m^3/min	35.315	CFM
	0.0167	m^3/sec
	60	m^3/hr
	16.667	l/s
	1000	l/min
m^3/hr	0.58858	CFM
	0.0167	m^3/min
	0.0003	m^3/sec
	0.2778	l/s
	16.667	l/min
l/s	2.1189	CFM
	0.001	m^3/sec
	0.06	m^3/min
	3.6	m^3/hr
	60	l/min
ℓ/min	0.03531	CFM
	0.000016	m^3/sec
	0.001	m^3/min
	0.06	m^3/hr
	0.0167	l/s

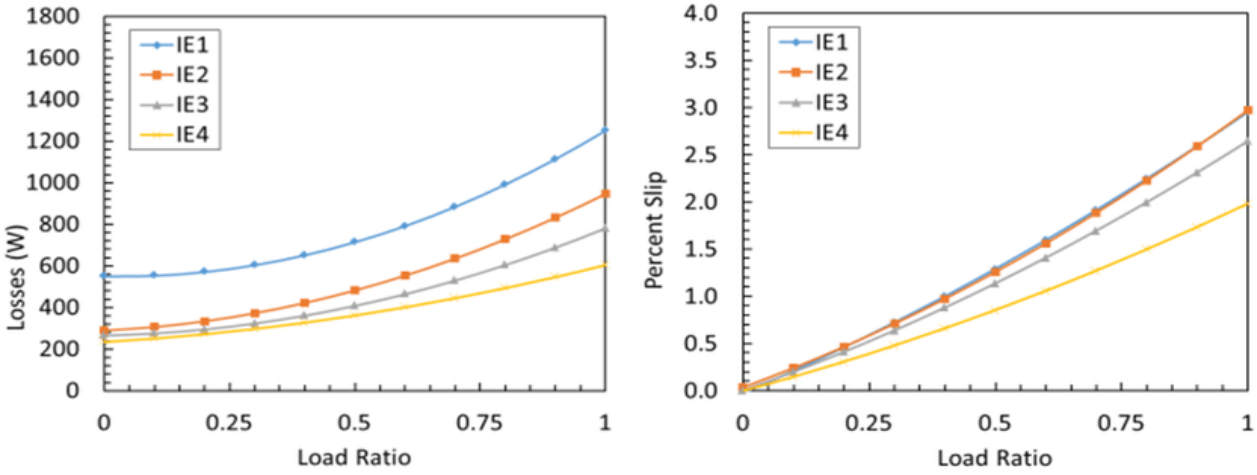
Electrical Motors

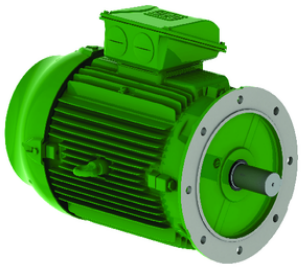
INFINAIR ARABIA fuse High Efficiency motors for all fans. TEFC motor's materials are made from Cast Iron, stainless steel shaft and high quality winding to overcome. The increasing demand for electrical energy to sustain global development requires consistent heavy investments in power supply generation. The best strategy to maintain energy supply in the short term is to avoid wastage and increase energy efficiency. Electric motors play a major role in this strategy, since around 40% of global energy demand is estimated to be related to electric motor applications. Consequently, any initiatives to increase energy efficiency, by using high efficiency electric motors and frequency inverters, are to be welcomed, as they can make a real contribution to reductions in global energy demand

Motors Features:

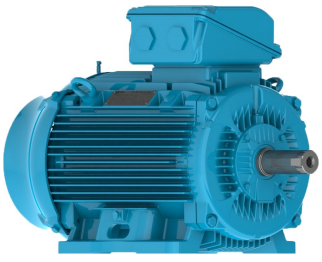
- High Ambient withstanding 55 degree C
- Premium Efficiency Rating IE3 is a standard
- Super Premium Efficiency Rating IE4 (Option)
- Cast Iron Body and well designed Terminal Box
- Insulation Class is F and Protection is IP55
- Applicable for VFD operation
- Thermal protection integration
- Smoke applications 300 C/ 400 C for 120 min (Option)
- Explosion Proof Motors (Options)
- NEMA 4X application for corrosion protection (Option)

IE3/4 Premium Motors compared with IE2/1



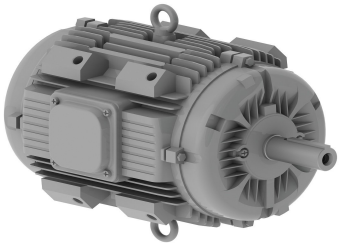


Flange



Flat

Explosion Proof



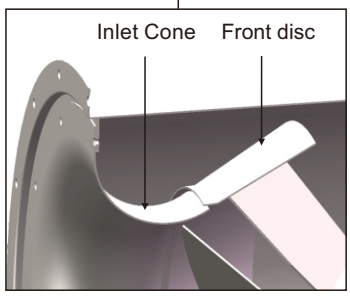
Smoke Application

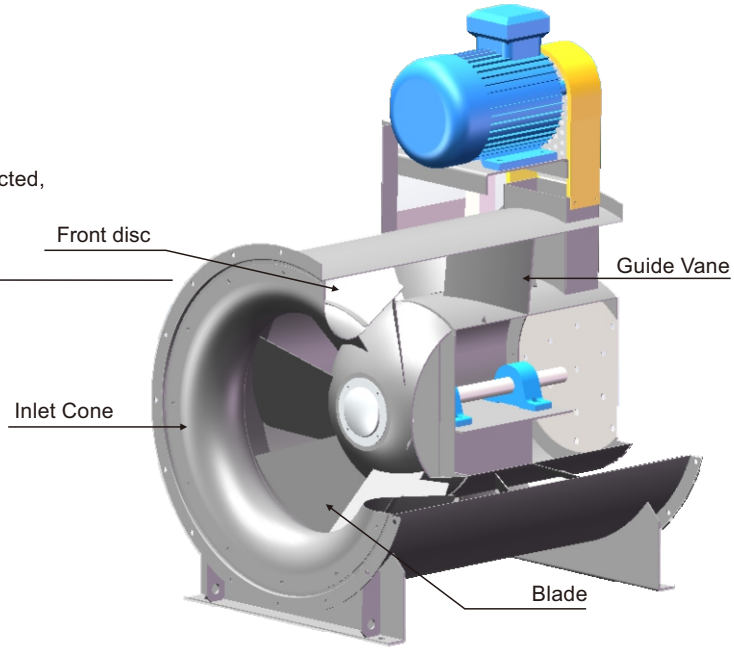
Note:
Please consult the sales office or the agent nearby your area and ask for motor details. For R&D purposes and logistics, the motors brands, color and specifications are subject to change without prior notice.

>> “Wind Hunter” series Mixed Flow Impeller

Brand New Impeller Design

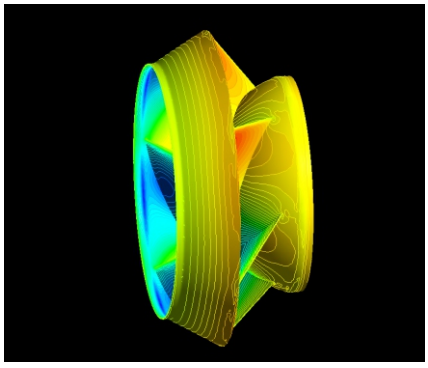
The inlet bell and the shroud cover are precisely connected, minimizing the back flow and leakage caused by pressure difference.

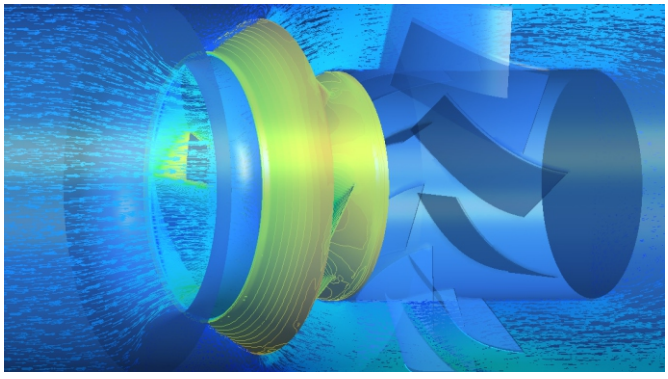




Advanced Design

Unique airflow characteristics. Our engineers have repeatedly optimized the wheel with countless CFD simulations.





Advanced Fabrication

The wheel and other fixtures are made from a special designed mold and are continuously welded. Ensuring maximum strength is maintained.

High Balancing Level

The balancing level of the wheel is up to G2.5 (AMCA 204) which is much higher than the standard G6.3 required internationally. Stability is greatly increased thus lowering the vibrations and noise.

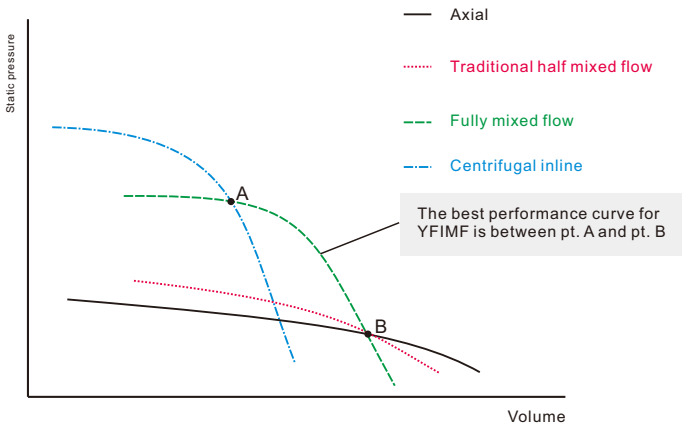
Lowest Noise Level

The YFIMF has the lowest noise level over the axial and the centrifugal fan.

>> Product Characteristics

Performance Characteristics

The mixed flow fan has larger air volume over the centrifugal fan and higher air pressure over the axial fan. When placing them under the same working conditions, the mixed flow fan has more advantages over the others in terms of performance and noise level.

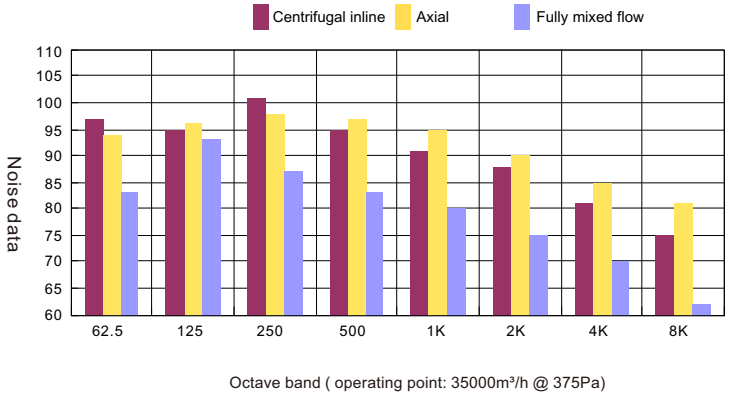


High Efficiency

The design of the wheel and guide vane has been repeatedly optimized to assure high efficiency, leakage free and low turbulence.

Better Sound Proofing

The noise of the mixed flow fan is determined by its structural design and changes in acoustical power (see fig. below). The noise generated in each air volume segment is much lower than the axial and centrifugal fan with low acoustical level (62.5-250Hz).



Octave band (operating point: 35000m³/h @ 375Pa)

Flexible Direct or Belt Driven Option

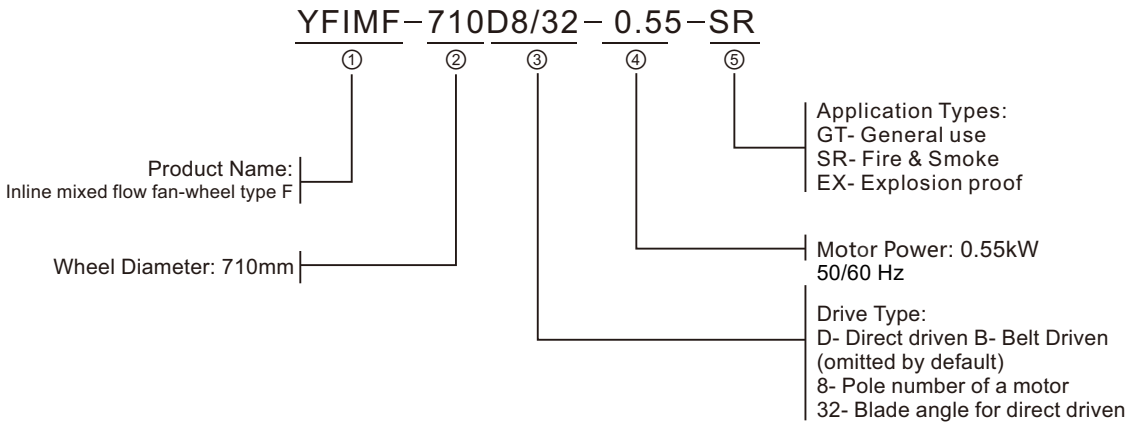
Direct driven type has six different blade angles available for selection. A solid low maintenance product designed for delivering efficient air flow.

Belt driven type has effective blade angle. Since the motor is located outside, maintenance work or replacement can be carried out easily.

Comprehensive Functionality

It can be used in normal air delivery, explosion resistant, fire & smoke or static-free application.

>> Model Number Code



>> Optional Accessories

●Rain Cover (Belt Driven type only)

For outdoor use only. The rain cover is epoxy coated It can effectively prevent water from getting inside and is able to reduce noise generated from the motor efficiently.

●Service Switch

It is designed like a master switch for shutting off all power when necessary.

●Vibration Isolation

Rubber or spring vibration isolation. It can either be base-mounted or ceiling hung.

●Flexible Connector and Companion Flange

Inlet/ outlet flexible connector and companion flange. Provide handy solution for on-site installation.

●Inlet/Outlet Guard

Prevent accidental injuries while the fan is in operation.

●Totally Closed Belt Guard

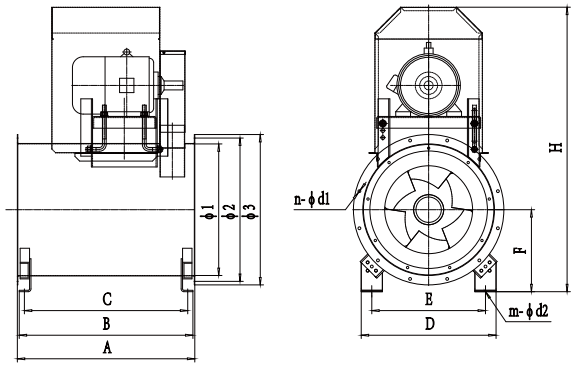
Prevent accidental injuries while the fan is in operation.

●Colors

Different color coating can be selected according to customer's installation requirement.

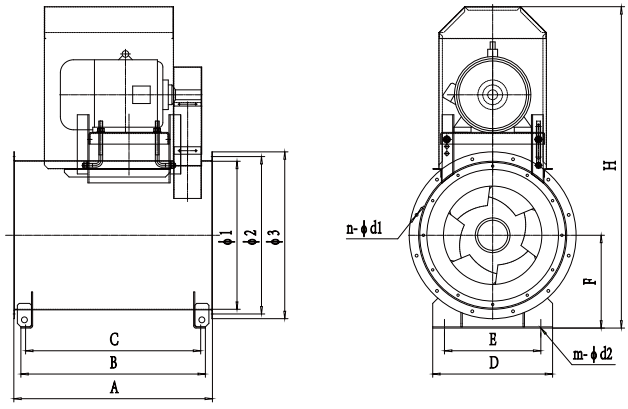
>> Dimension and weight

YFIMF-400~500 Base-mounted (belt driven)



Model	Size												
	φ1	φ2	φ3	A	B	C	D	E	F	H(max)	n - φd1	m - φd2	weight(kg)
YFIMF-400	450	494	530	640	624	580	494	404	309	1051	8 - φ12	4 - φ18	66
YFIMF-450	510	554	590	715	699	655	538	448	331	1117	8 - φ12	4 - φ18	77
YFIMF-500	560	604	640	755	739	695	574	484	349	1212	8 - φ12	4 - φ18	94

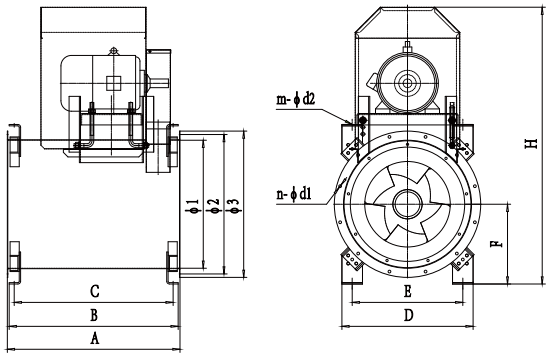
YFIMF-560~1250 Base-mounted (belt driven)



Model	Size												
	φ1	φ2	φ3	A	B	C	D	E	F	H(max)	n - φd1	m - φd2	weight(kg)
YFIMF-560	630	674	710	845	785	745	550	450	395	1379	12 - φ12	4 - φ18	127
YFIMF-630	712	754	792	940	880	840	620	520	435	1442	12 - φ12	4 - φ18	169
YFIMF-710	809	854	889	990	940	890	700	600	485	1565	12 - φ12	4 - φ18	193
YFIMF-800	910	954	990	1110	1020	970	790	690	535	1683	16 - φ14	4 - φ18	234
YFIMF-900	1017	1059	1097	1255	1165	1115	890	790	590	1803	16 - φ14	4 - φ18	299
YFIMF-1000	1130	1182	1230	1300	1180	1130	990	870	655	1986	16 - φ14	6 - φ18	386
YFIMF-1120	1270	1322	1370	1450	1330	1280	1110	990	725	2216	20 - φ14	6 - φ18	499
YFIMF-1250	1421	1472	1521	1630	1510	1460	1240	1120	800	2432	20 - φ14	6 - φ18	627

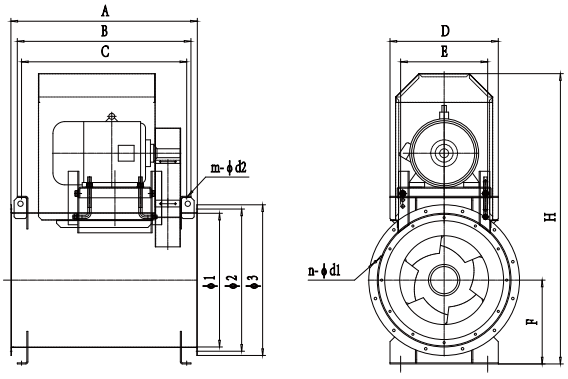
Note: 1.Dimensions provided are for reference only and may differ from the actual drawings.
2.The above weight of the fan does not include motor.

YFIMF-400~500 Ceiling hung (belt-drive)



Model	Size												
	φ1	φ2	φ3	A	B	C	D	E	F	H(max)	n - φd1	m - φd2	weight(kg)
YFIMF-400	450	494	530	640	624	580	494	404	309	1051	8 - φ12	4 - φ12	72
YFIMF-450	510	554	590	715	699	655	538	448	331	1117	8 - φ12	4 - φ12	83
YFIMF-500	560	604	640	755	739	695	574	484	349	1212	8 - φ12	4 - φ12	99

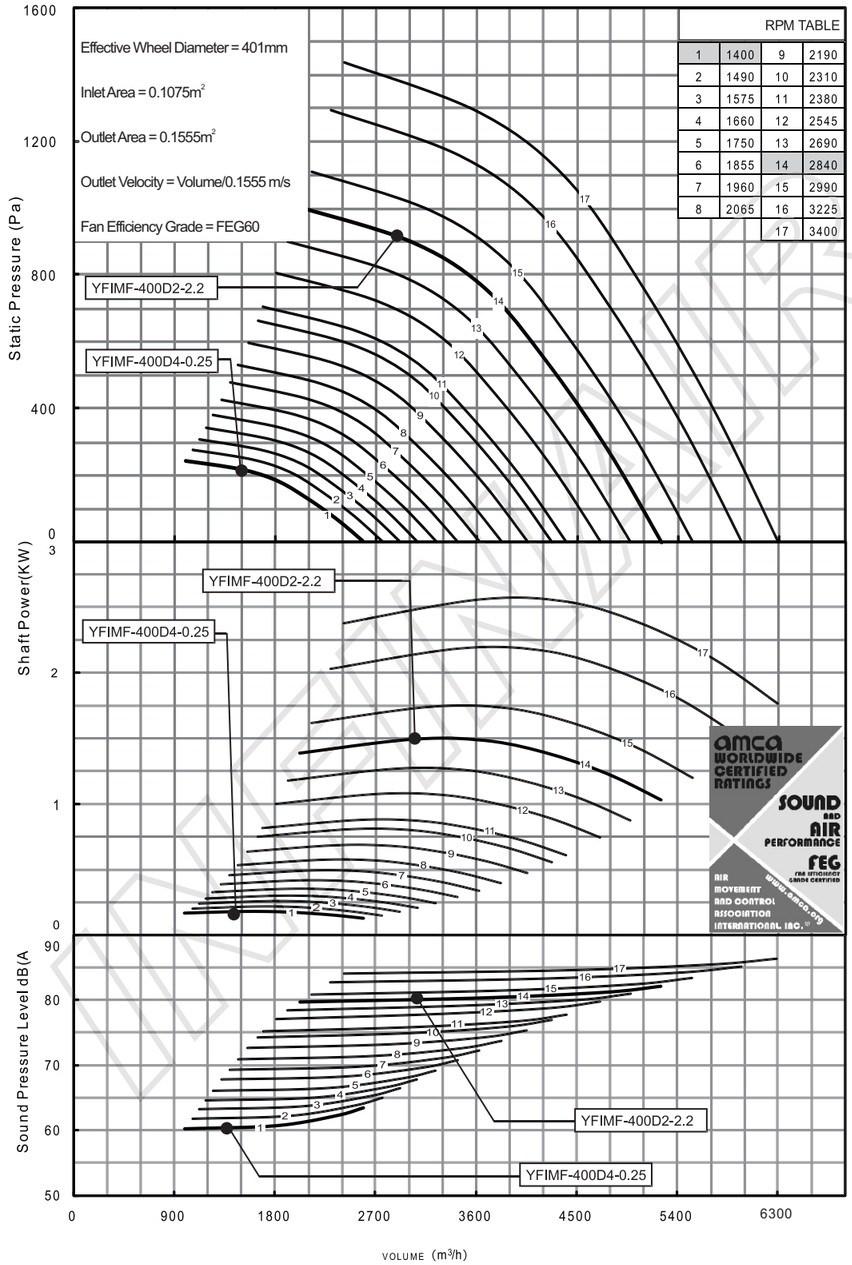
YFIMF-560~1250 Ceiling hung (belt-drive)



Model	Size												
	φ1	φ2	φ3	A	B	C	D	E	F	H(max)	n - φd1	m - φd2	weight(kg)
YFIMF-560	630	674	710	878	818	778	550	450	395	1379	12 - φ12	4 - φ12	135
YFIMF-630	712	754	792	975	915	875	620	520	435	1442	12 - φ12	4 - φ12	182
YFIMF-710	809	854	889	1023	973	923	700	600	485	1565	12 - φ12	4 - φ12	206
YFIMF-800	910	954	990	1165	1075	1025	790	690	535	1683	16 - φ14	4 - φ12	258
YFIMF-900	1017	1059	1097	1308	1218	1168	890	790	590	1803	16 - φ14	4 - φ12	320
YFIMF-1000	1130	1182	1230	1330	1298	1248	990	870	655	1986	16 - φ14	6 - φ12	408
YFIMF-1120	1270	1322	1370	1480	1442	1392	1110	990	725	2216	20 - φ14	6 - φ12	516
YFIMF-1250	1421	1472	1521	1660	1618	1568	1240	1120	800	2432	20 - φ14	6 - φ12	643

Note: 1.Dimensions provided are for reference only and may differ from the actual drawings.
2.The above weight of the fan does not include motor.

Model: YFIMF-400

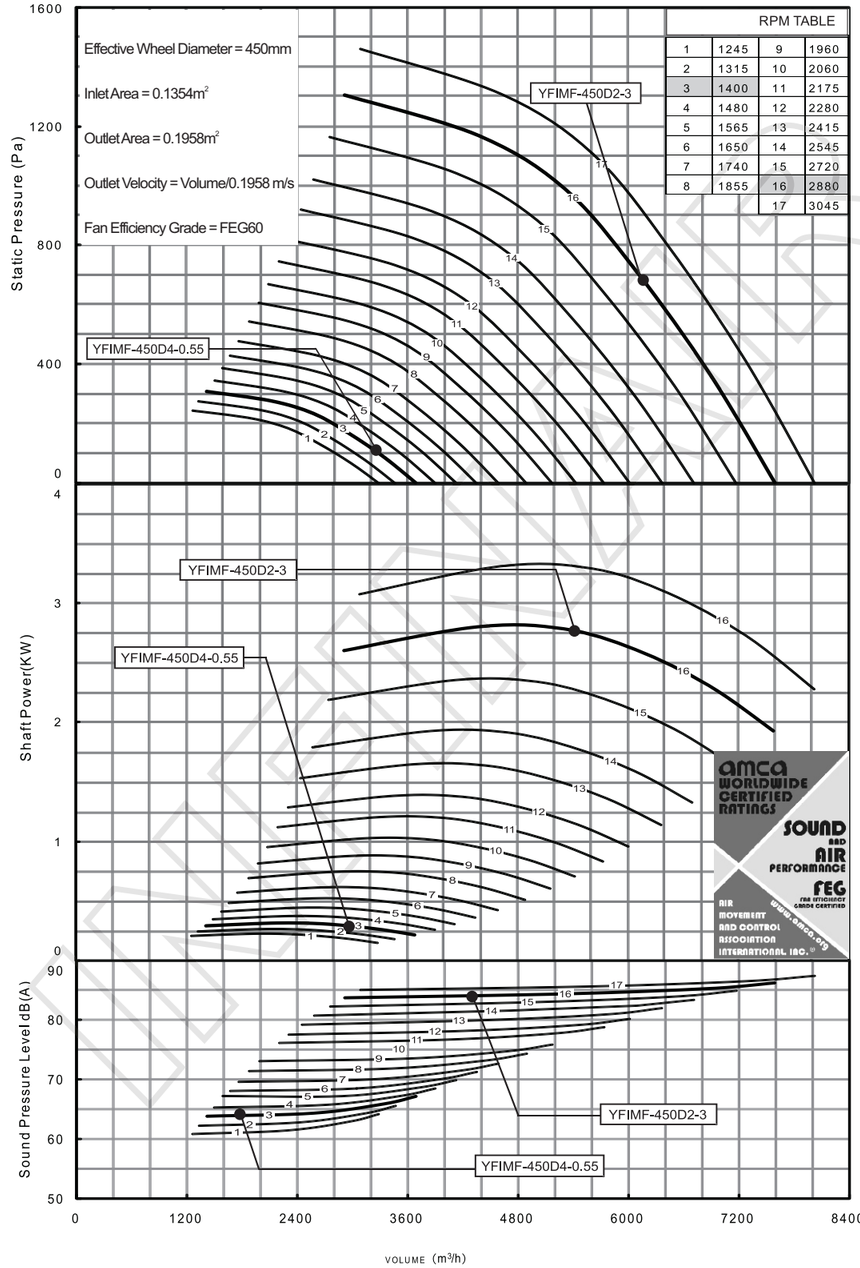


RPM TABLE

1	1400	9	2190
2	1490	10	2310
3	1575	11	2380
4	1660	12	2545
5	1750	13	2690
6	1855	14	2840
7	1960	15	2990
8	2065	16	3225
		17	3400

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 LwiA 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.

Model: YFIMF-450



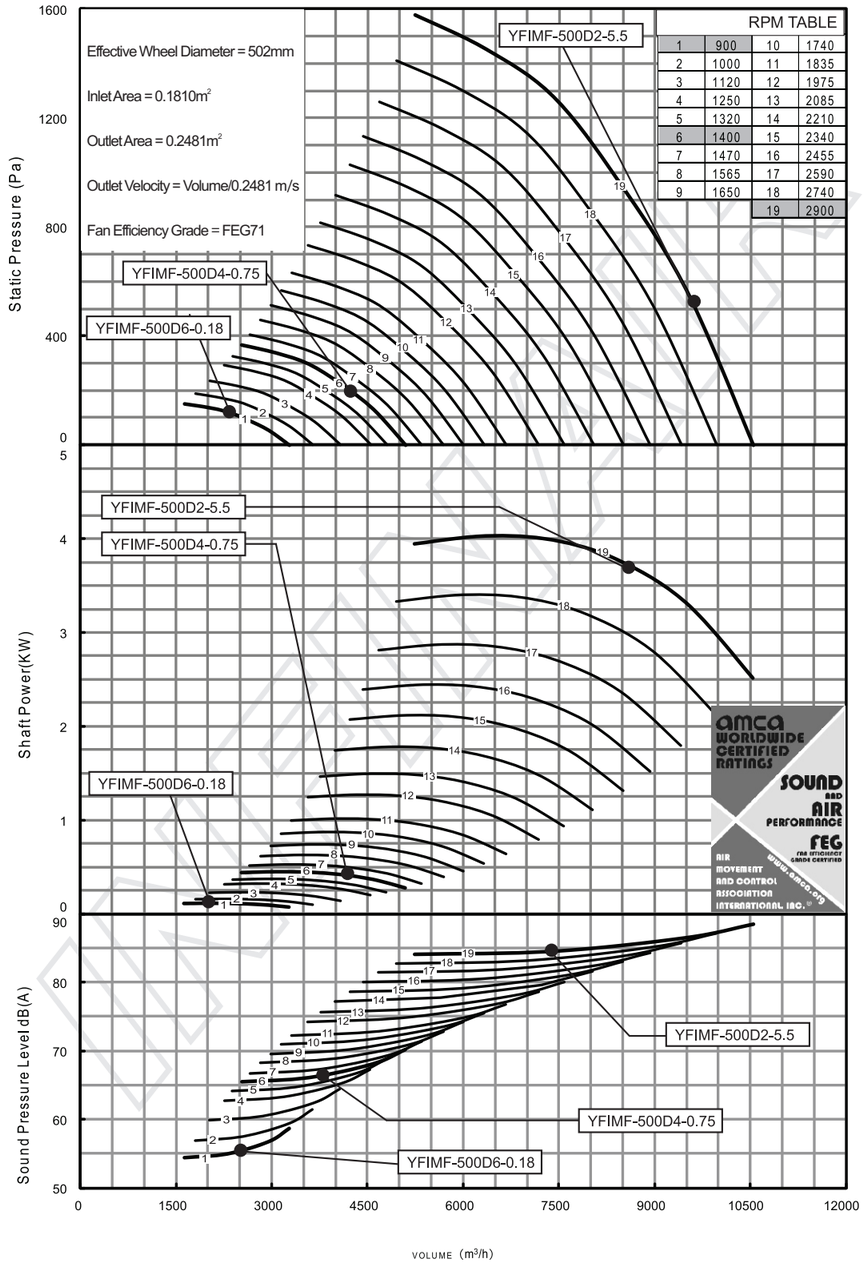
RPM TABLE

1	1245	9	1960
2	1315	10	2060
3	1400	11	2175
4	1480	12	2280
5	1565	13	2415
6	1650	14	2545
7	1740	15	2720
8	1855	16	2880
		17	3045

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 LwiA 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.

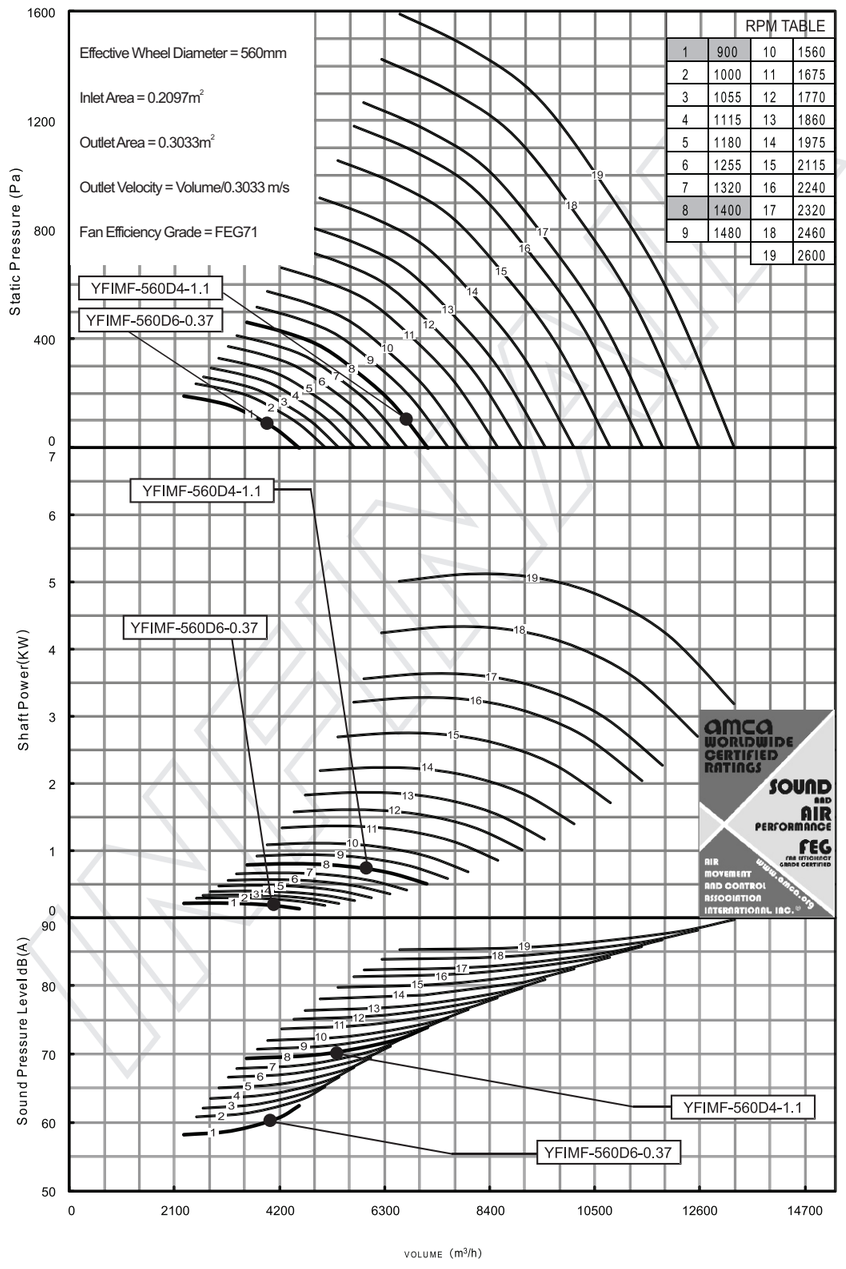
INFINAIR®

Model : YFIMF-500



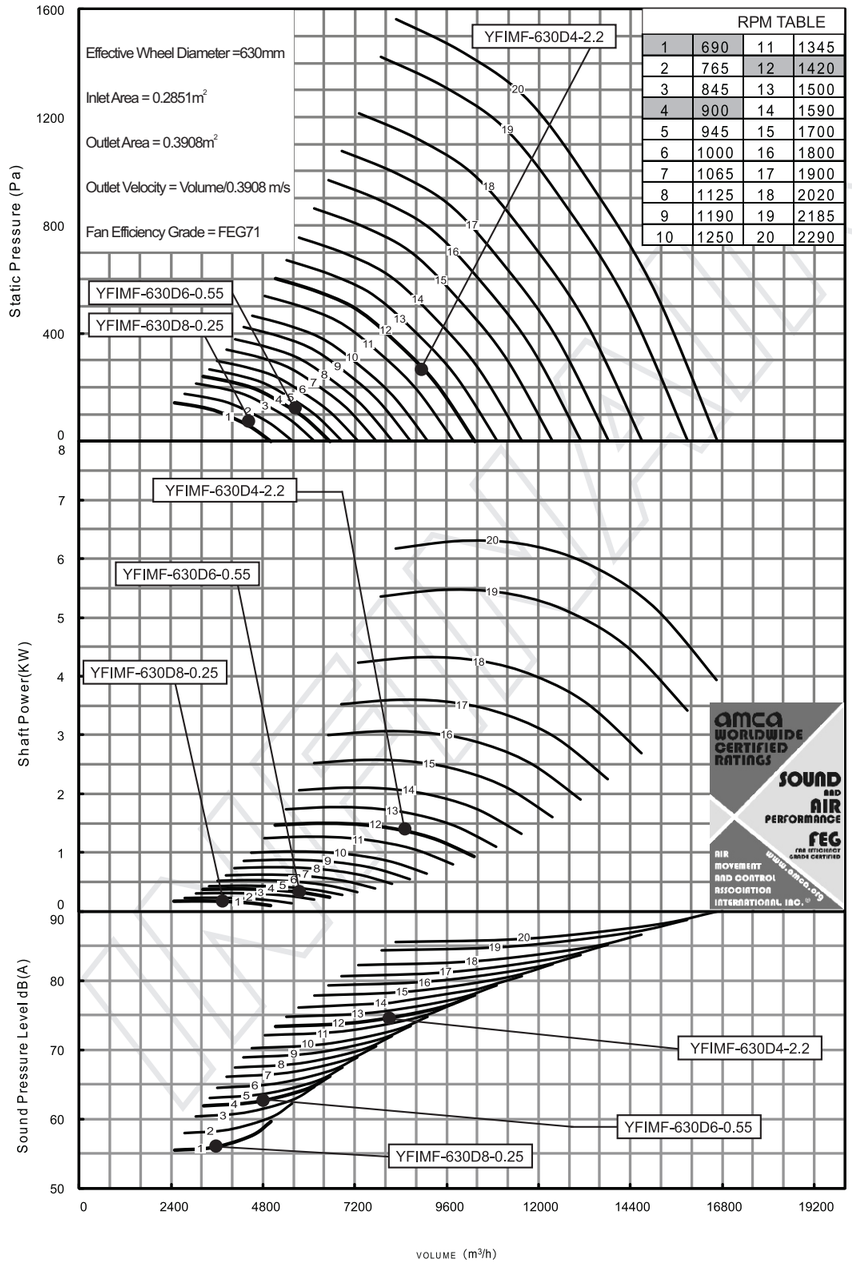
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwiA sound power levels for Installation Type B: Free inlet, 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.

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 LwiA 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.

Model: YFIMF-630

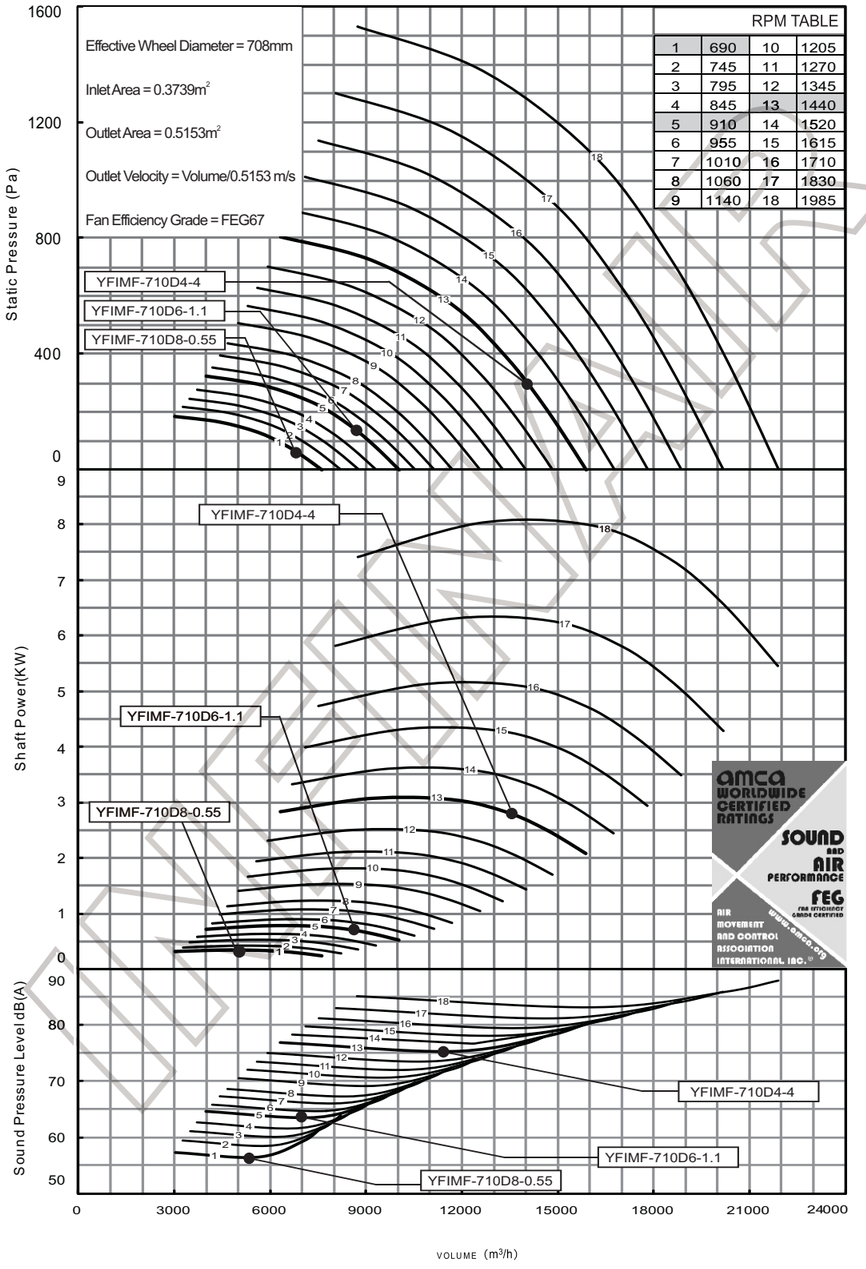


RPM TABLE			
1	690	11	1345
2	765	12	1420
3	845	13	1500
4	900	14	1590
5	945	15	1700
6	1000	16	1800
7	1065	17	1900
8	1125	18	2020
9	1190	19	2185
10	1250	20	2290

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 LwiA 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.

INFINAIR®

Model: YFIMF-710

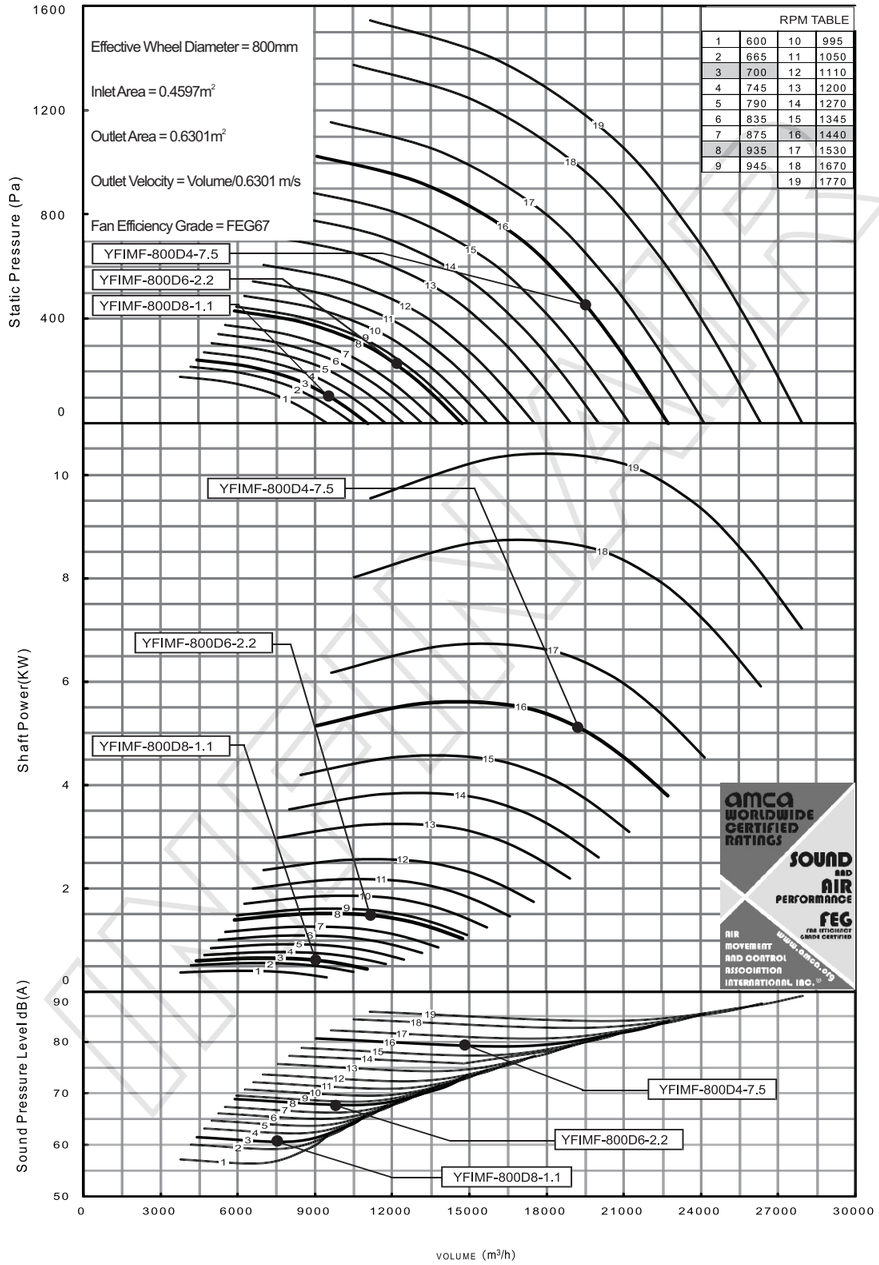


RPM TABLE			
1	690	10	1205
2	745	11	1270
3	795	12	1345
4	845	13	1440
5	910	14	1520
6	955	15	1615
7	1010	16	1710
8	1060	17	1830
9	1140	18	1985

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 LwiA 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.

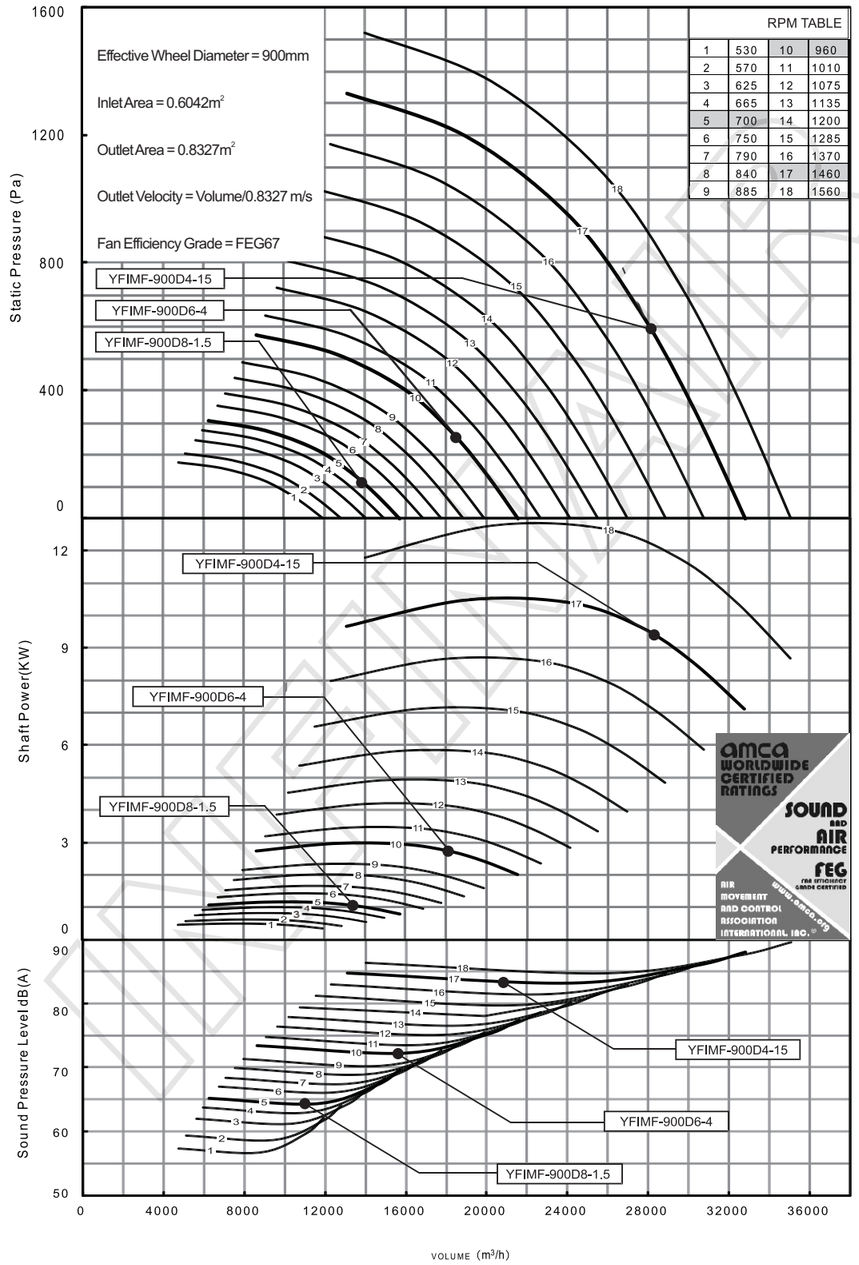
INFINAIR®

Model: YFIMF-800



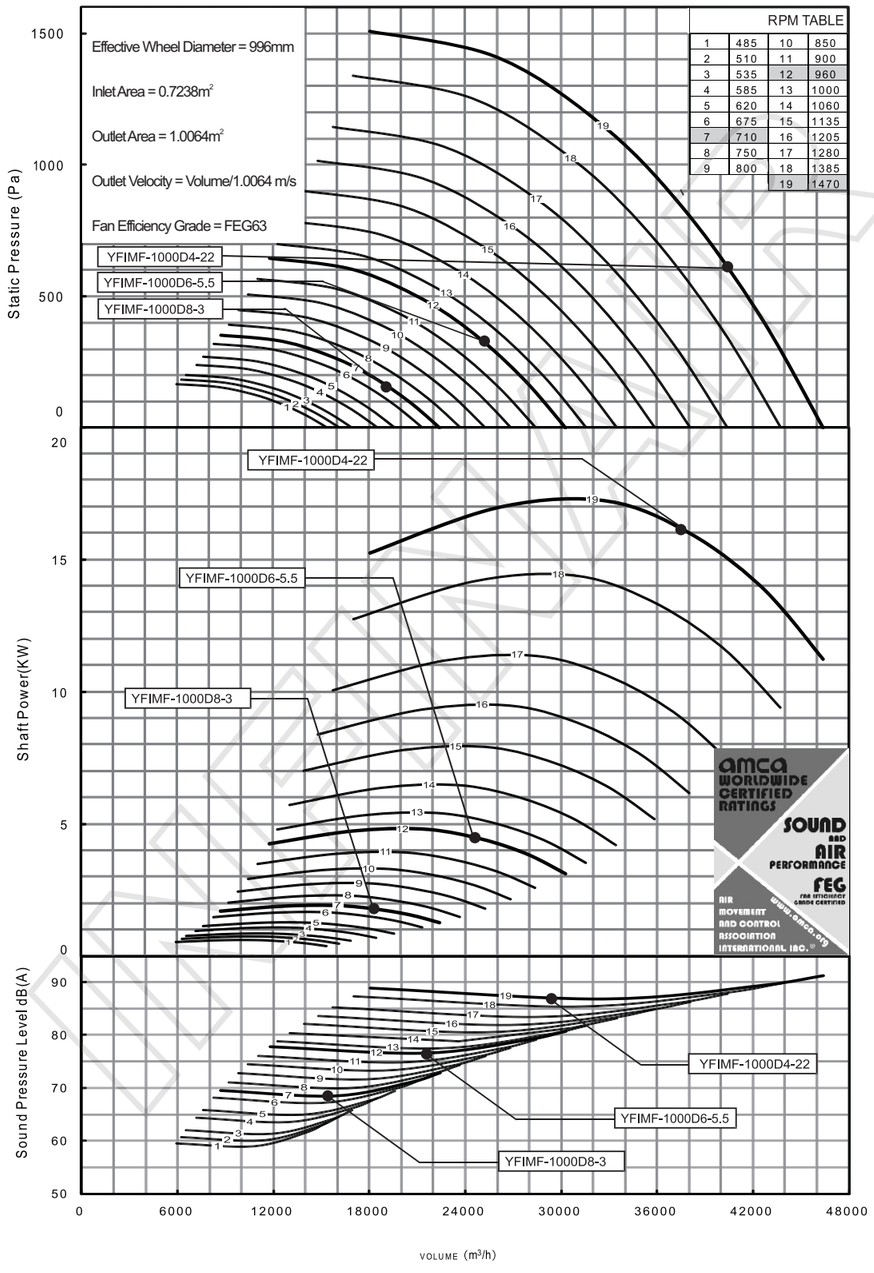
Performance certified is for installation type B - free inlet, ducted outlet. Power rating (kW) does not include transmission losses. Performance ratings do not include the effects of appurtenances (accessories). Values shown are for inlet LwiA sound power levels for Installation Type B: Free inlet, 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.

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 LwiA 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.

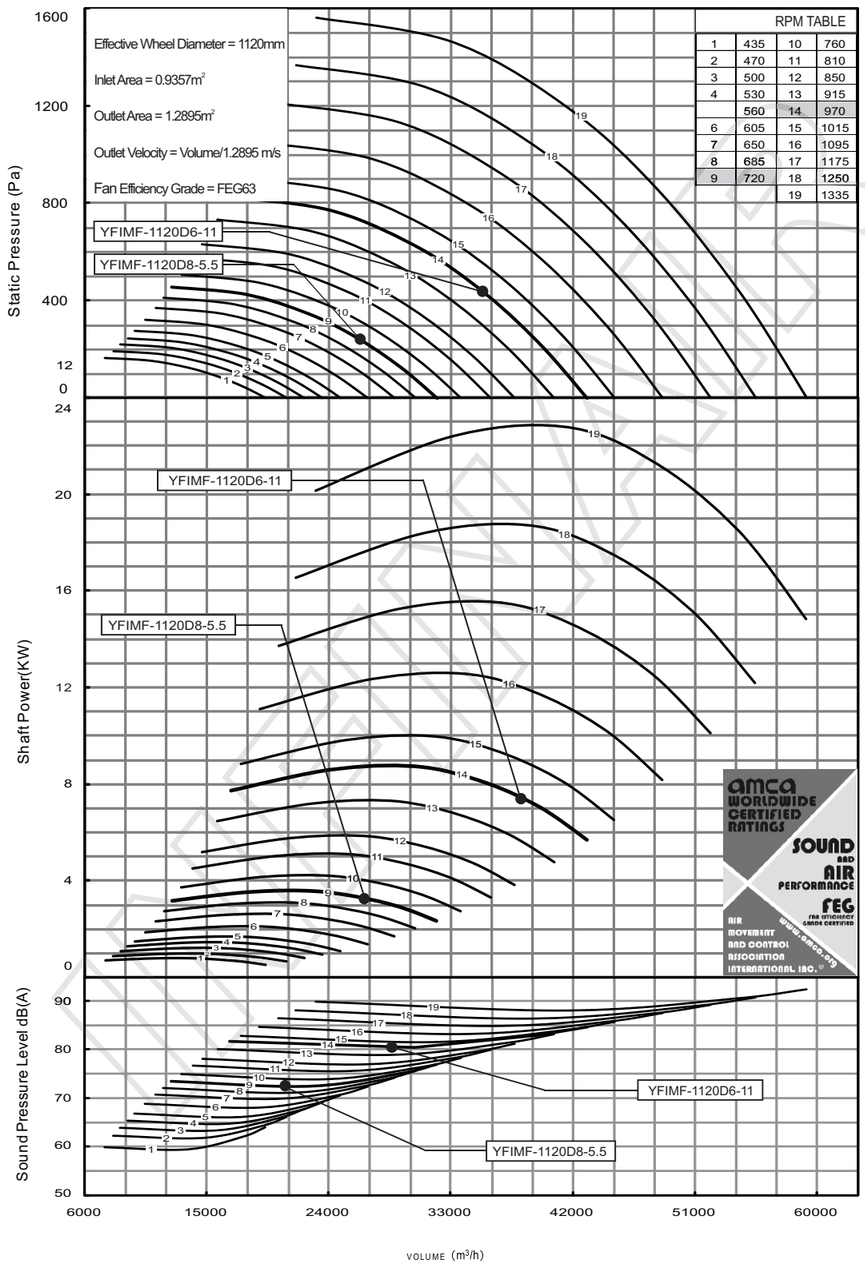
Model: YFIMF-1000



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 LwiA 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.

INFINAIR®

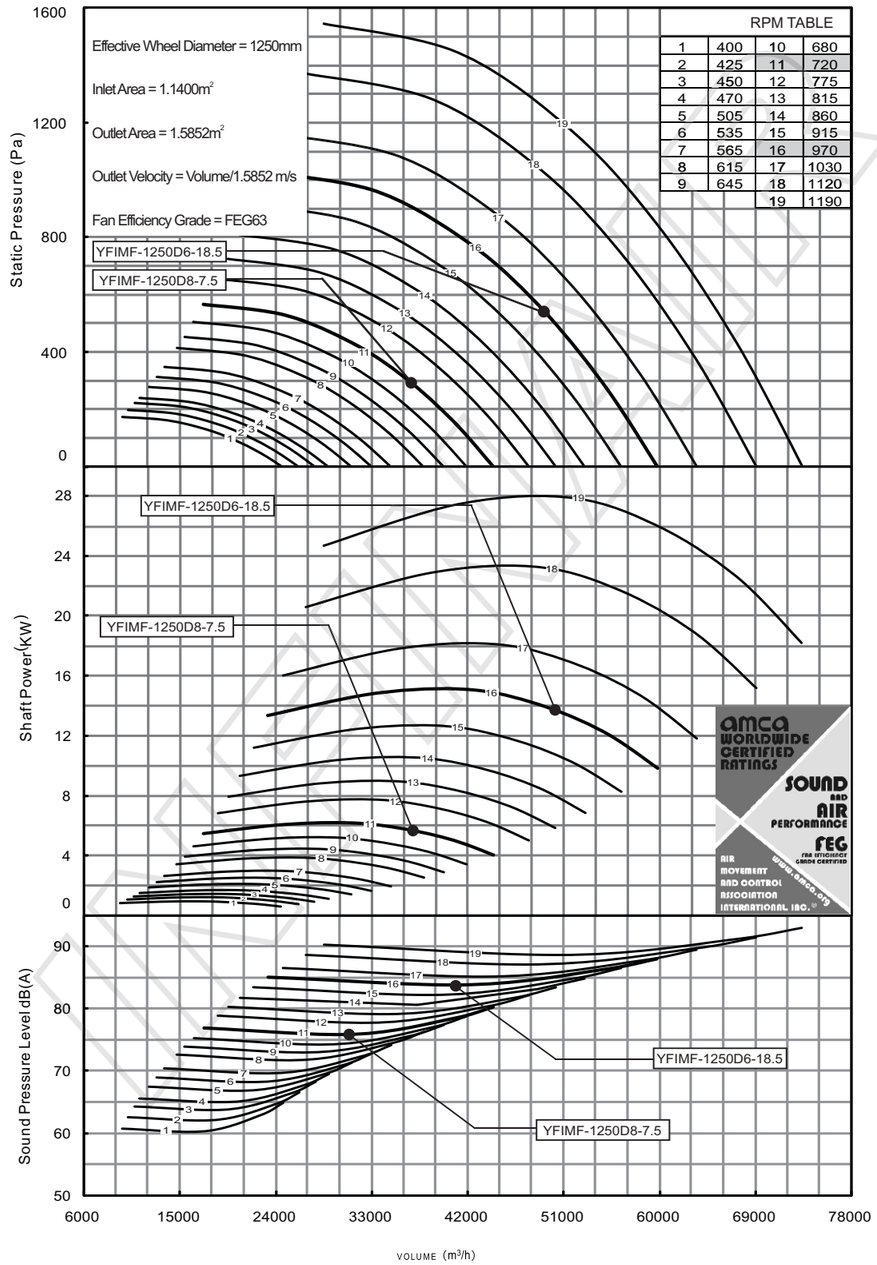
Model: YFIMF-1120



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 LwiA 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.

INFINAIR®

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 LwiA 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.

Sound Data

YFIMF-400

			SOUND POWER OCTAVE BANDS									
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	63
	68	2351	71	74	68	72	69	66	57	47	74	62
	185	1812	70	74	68	72	66	60	54	48	72	61
	244	996	70	72	68	72	66	60	55	50	72	60
1490	0	2757	71	76	72	74	71	70	62	52	77	65
	77	2502	73	76	70	74	71	67	59	49	75	64
	209	1929	72	75	70	74	69	62	56	50	74	62
	276	1060	72	74	70	73	68	62	57	52	73	62
1575	0	2914	73	77	73	75	73	71	64	54	78	66
	86	2644	75	77	71	75	72	69	61	51	77	65
	234	2039	74	76	71	75	70	64	58	52	75	64
	308	1120	74	75	71	74	70	64	59	54	75	63
1660	0	3072	75	78	73	77	75	72	66	56	79	68
	96	2787	77	78	71	76	74	70	63	53	78	67
	260	2149	76	78	71	76	72	66	60	54	77	65
	343	1181	76	76	71	75	72	66	60	55	76	65
1750	0	3238	77	79	76	78	76	74	68	58	81	69
	106	2938	79	79	74	77	75	72	65	55	79	68
	289	2265	78	79	74	77	74	67	61	55	78	67
	381	1245	78	78	73	76	73	67	62	57	78	66
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	84

YFIMF-450

			SOUND POWER 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	76	70	74	69	66	56	46	75	63
	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

Values shown are for inlet LwiA 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.

INFINAIR®

Sound Data

YFIMF-500

			SOUND POWER									
			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	59,8	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	55,2	56,2	65,9	54,4
1000	0	3635	67,9	67,6	69,6	69,4	68,9	65,4	59,2	57,2	72,9	61,4
	68	3273	65,1	65,7	68,2	67,6	66,5	63,2	58,3	57,7	70,9	59,4
	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
1120	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
	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
1250	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
	293	2257	69,6	70,6	72,5	70,4	67,6	68,3	61,9	62,9	74,2	62,7
1320	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
1470	0	5344	77,9	79,1	78,9	78,9	77,5	77,3	69,7	66,6	82,8	71,3
	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
1565	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
	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
1650	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	79,8	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
	511	2979	75,0	78,4	77,9	76,2	74,7	74,4	70,1	68,5	81,0	69,5
1740	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
1975	0	7180	83,0	87,8	86,2	86,7	84,5	83,8	80,0	73,9	90,2	78,7
	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
2085	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
	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
2210	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
	917	3990	80,1	86,5	86,0	86,4	82,5	80,3	79,4	74,4	88,6	77,1
2340	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
2590	0	9416	87,7	95,7	94,3	93,9	90,9	89,7	89,4	80,6	97,3	85,8
	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
2740	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
	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
2900	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
	1578	5236	84,8	93,0	93,7	93,1	89,9	86,3	86,9	81,0	95,6	84,1

YFIMF-560

			SOUND POWER									
			OCTAVE BANDS									
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
1000	0	5108	72,5	72,1	73,9	73,3	72,6	69,1	62,9	60,9	76,7	65,2
	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
1055	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
	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
1115	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
	293	2828	71,1	71,8	73,6	71,3	69,1	68,3	63,3	64,3	75,0	63,5
1180	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	2993	72,6	73,4	75,2	72,8	70,3	70,1	64,4	65,4	76,5	65,0
1255	0	6410	79,2	79,0	80,0	78,7	77,6	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
1320	0	6742	80,7	80,5	81,3	79,9	78,7	78,7	69,7	67,7	84,1	72,6
	148	6069	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
1400	0	7151	81,7	82,2	82,3	81,4	80,1	80,0	71,7	69,1	85,5	74,0
	167	6437	78,9	79,6	80,9	80,0	77,8	77,4	70,2	69,0	83,4	71,9
	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
1480	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
	416	5308	76,9	78,9	80,3	79,7	77,1	76,3	70,3	70,0	82,8	71,3
	516	3754	77,7	79,8	80,3	79,0	75,6	76,0	70,3	70,0	82,2	70,7
1560	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
1675	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
	660	4249	79,9	83,2	82,5	82,5	78,9	78,5	74,3	72,5	85,2	73,7
1770	0	9040	85,8	89,1	87,2	87,7	85,6	85,1	79,9	74,9	91,2	79,7
	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	80,3	79,6	76,0	73,6	86,7	75,2
1860	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
	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
1975	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
	918	5010	82,7	87,8	87,1	87,1	83,3	81,8	79,5	75,9	89,5	78,0
2115	0	10802	88,9	94,3	92,5	92,4	89,8	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	89,0	85,1	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	10299	87,1	93,2	92,1	92,5	89,6	87,8	85,7	79,6	95,3	83,8
	957	8034	84,1	90,4	90,1	90,9	87,7	85,6	83,5	78,4	93,4	81,9
	1181	5682	84,9	91,3	90,7	90,7	86,6	84,3	83,5	78,4	92,9	81,4
2320	0	11850	90,5	97,0	95,3	94,9	92,0	91,0	89,3	81,6	98,1	86,6
	457	10667	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	5885	85,5	92,3	91,7	91,7	87,6	85,0	84,6	79,1	93,8	82,3
2460	0	12565	91,5	98,7	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
	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
2600	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
	1591	6595	87,5	95,4	94,9	94,9	90,6	87,3	88,3	81,4	96,9	85,4

Values shown are for inlet LwiA 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.

Sound Data

YFIMF-630

			SOUND POWER									
			OCTAVE BANDS									
RPM	Pa	VOLUME	1	2	3	4	5	6	7	8	LWiA	dB(A)
690	0	5018	66,2	67,7	68,1	68,2	68,1	59,8	57,3	55,3	71,2	59,7
	51	4517	63,6	66,3	66,8	65,9	65,6	58,3	57,2	56,6	69,1	57,6
	115	3523	61,4	64,7	64,9	63,8	63,2	56,6	57,1	58,1	67,4	55,9
	142	2492	62,2	64,7	64,1	62,2	63,1	56,6	57,1	58,1	67,0	55,5
765	0	5563	69,2	69,5	70,9	70,7	70,4	63,3	59,9	57,9	73,6	62,1
	63	5008	66,6	68,1	69,5	68,5	67,8	61,7	59,6	58,9	71,7	60,2
	141	3906	64,2	66,5	67,7	66,4	65,5	59,9	59,2	60,2	69,9	58,4
	174	2763	65,1	66,5	67,0	64,9	65,1	59,9	59,2	60,2	69,4	57,9
845	0	6145	72,1	71,4	73,5	73,0	72,5	66,8	62,3	60,3	76,1	64,6
	77	5532	69,5	69,9	72,1	71,0	70,0	65,0	61,8	61,2	74,1	62,6
	172	4315	67,0	68,3	70,4	69,0	67,7	63,1	61,2	62,2	72,3	60,8
	213	3052	67,8	68,3	69,8	67,6	67,1	63,1	61,2	62,2	71,8	60,3
900	0	6545	74,0	73,3	75,2	74,5	73,9	69,0	63,8	61,8	77,7	66,2
	87	5892	71,3	71,7	73,8	72,6	71,4	67,1	63,2	62,6	75,7	64,2
	196	4596	68,8	70,0	72,1	70,6	69,1	65,1	62,5	63,5	73,9	62,4
	241	3250	69,6	70,1	71,6	69,3	68,4	65,1	62,5	63,5	73,3	61,8
945	0	6872	75,4	74,7	76,5	75,7	75,0	70,7	65,0	63,0	78,9	67,4
	96	6187	72,7	73,0	75,1	73,8	72,5	68,7	64,3	63,7	77,0	65,5
	216	4826	70,1	71,3	73,4	71,8	70,2	66,6	63,5	64,5	75,1	63,6
	266	3413	71,0	71,5	73,0	70,6	69,4	66,6	63,5	64,5	74,5	63,0
1000	0	7272	77,0	76,4	78,0	77,0	76,2	72,6	66,4	64,4	80,3	68,8
	108	6547	74,4	74,6	76,6	75,2	73,8	70,5	65,6	65,0	78,4	66,9
	241	5106	71,7	72,7	74,9	73,2	71,5	68,4	64,6	65,6	76,5	65,0
	298	3612	72,5	73,1	74,6	72,1	70,5	68,4	64,6	65,6	76,0	64,5
1065	0	7745	78,9	78,3	79,7	78,5	77,6	74,8	68,0	66,0	82,0	70,5
	122	6972	76,2	76,3	78,3	76,8	75,1	72,6	67,0	66,4	80,0	68,5
	274	5438	73,4	74,4	76,6	74,9	72,9	70,4	65,9	66,9	78,1	66,6
	338	3846	74,3	74,9	76,3	73,8	71,8	70,4	65,9	66,9	77,5	66,0
1125	0	8181	80,5	80,0	81,1	79,8	78,8	76,7	69,3	67,3	83,4	71,9
	136	7365	77,8	77,8	79,7	78,2	76,4	74,4	68,3	67,7	81,4	69,9
	306	5745	75,0	75,9	78,1	76,2	74,2	72,2	67,0	68,0	79,5	68,0
	377	4063	75,8	76,4	77,9	75,2	72,9	72,2	67,0	68,0	78,9	67,4
1190	0	8654	82,1	81,7	82,6	81,1	80,0	78,7	70,7	68,7	84,9	73,4
	152	7791	79,4	79,4	81,2	79,6	77,6	76,3	69,5	68,9	82,9	71,4
	342	6077	76,5	77,3	79,6	77,7	75,4	74,0	68,2	69,2	81,0	69,5
	422	4298	77,4	78,0	79,5	76,7	74,0	74,0	68,2	69,2	80,4	68,9
1250	0	9090	83,6	83,2	83,9	82,3	81,1	80,4	71,9	69,9	86,2	74,7
	168	8183	80,8	80,7	82,5	80,8	78,7	77,9	70,7	70,0	84,2	72,7
	377	6383	77,9	78,6	80,9	78,9	76,6	75,5	69,2	70,2	82,2	70,7
	466	4514	78,7	79,4	80,8	78,0	75,0	75,5	69,2	70,2	81,7	70,2
1345	0	9781	85,5	85,4	85,7	84,1	82,7	82,7	73,9	71,7	88,2	76,7
	195	8805	82,7	82,8	84,3	82,7	80,4	80,1	72,5	71,7	86,1	74,6
	437	6868	79,7	80,6	82,7	80,8	78,3	77,7	70,9	71,7	84,1	72,6
	539	4858	80,6	81,4	82,7	80,0	76,6	77,6	70,9	71,7	83,6	72,1
1420	0	10327	86,4	87,0	86,7	85,5	84,0	83,9	75,8	73,1	89,4	77,9
	217	9296	83,7	84,4	85,3	84,1	81,7	81,3	74,3	72,9	87,4	75,9
	487	7251	80,7	82,1	83,7	82,3	79,6	78,9	72,6	72,8	85,4	73,9
	601	5128	81,5	82,9	83,7	81,5	78,1	78,7	72,6	72,8	84,9	73,4
1500	0	10908	87,4	88,6	87,6	87,0	85,3	85,1	77,7	74,4	90,8	79,3
	242	9820	84,6	85,9	86,2	85,6	83,1	82,5	76,1	74,2	88,8	77,3
	543	7660	81,6	83,6	84,6	83,8	81,0	80,2	74,3	73,9	86,8	75,3
	670	5417	82,5	84,5	84,6	83,1	79,5	79,8	74,3	73,9	86,2	74,7
1590	0	11563	88,4	90,3	88,6	88,5	86,7	86,3	79,7	75,8	92,2	80,7
	272	10409	85,6	87,6	87,2	87,1	84,6	83,8	78,0	75,5	90,2	78,7
	610	8119	82,6	85,2	85,6	85,3	82,5	81,5	76,2	75,0	88,2	76,7
	753	5742	83,5	86,1	85,6	84,7	81,1	81,0	76,2	75,0	87,6	76,1
1700	0	12363	89,6	92,2	90,0	90,3	88,3	87,8	82,0	77,5	93,8	82,3
	311	11129	86,8	89,6

INFINAIR®

Sound Data

YFIMF-800

			SOUND POWER									
			OCTAVE BANDS									
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	6614	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

YFIMF-900

			SOUND POWER									
			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	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

Values shown are for inlet LwiA 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.

Sound Data

YFIMF-1000

			SOUND POWER									
			OCTAVE BANDS									
RPM	Pa	VOLUME	1	2	3	4	5	6	7	8	LWiA	dB(A)
485	0	15312	74	71	72	73	71	65	55	45	75	63
	125	10778	68	67	67	70	66	58	48	38	70	59
	164	5958	73	71	71	71	65	57	49	41	71	59
510	0	16101	75	72	74	74	72	67	57	47	76	65
	51	14749	72	70	72	73	70	63	54	45	74	63
	138	11333	69	68	69	71	68	60	50	40	72	60
	182	6265	74	72	72	72	67	59	51	43	72	61
535	0	16891	76	74	75	75	73	68	59	49	77	66
	56	15472	73	72	73	74	72	65	56	47	75	64
	152	11889	70	70	70	72	69	62	52	42	73	61
	200	6572	75	74	73	73	68	61	53	45	73	62
585	0	18469	78	77	76	77	76	71	62	52	79	68
	67	16918	75	75	74	76	74	68	59	50	78	66
	182	13000	72	73	72	74	71	65	55	45	75	64
	239	7187	78	77	75	75	71	64	56	48	76	64
620	0	19574	79	79	78	78	77	73	64	54	81	69
	75	17930	77	77	76	77	76	69	61	52	79	68
	204	13778	74	74	73	75	73	66	57	47	76	65
	269	7617	79	79	76	76	73	65	57	49	77	66
675	0	21311	81	82	79	80	79	75	67	57	83	72
	89	19521	79	80	78	79	78	72	64	55	81	70
	242	15000	76	77	75	76	75	69	60	50	79	67
	318	8292	82	82	79	78	75	68	60	52	80	68
710	0	22416	82	84	81	81	81	77	69	59	84	73
	98	20533	80	81	79	80	79	74	66	57	83	71
	268	15778	77	79	76	77	77	71	62	52	80	68
	352	8722	83	83	80	79	77	70	62	54	81	70
750	0	23678	83	86	82	83	82	78	71	61	86	74
	110	21690	81	83	80	81	81	76	67	58	84	72
	299	16667	79	80	77	78	78	73	64	54	81	70
	393	9214	84	85	81	81	78	72	64	56	83	71
800	0	25257	84	88	83	84	83	80	73	63	88	76
	125	23136	83	85	81	82	82	78	70	61	86	74
	340	17778	80	82	79	80	80	75	66	56	83	72
	447	9828	86	87	83	82	80	74	66	58	84	73
850	0	26836	85	90	84	85	85	82	76	66	89	78
	141	24582	84	87	82	84	84	80	72	63	87	76
	384	18889	82	84	80	81	82	77	69	59	85	73
	505	10442	88	89	84	83	82	76	68	60	86	74
900	0	28414	87	91	86	87	86	84	78	68	91	79
	158	26028	85	88	84	85	85	82	74	65	89	77
	431	20000	83	85	82	82	83	79	71	61	86	75
	566	11057	89	90	85	85	84	78	70	62	88	76
960	0	30308	88	92	87	88	88	86	80	70	92	81
	180	27763	87	89	85	86	87	84	76	67	91	79
	490	21334	85	86	83	83	85	81	73	63	88	77
	644	11794	91	91	87	86	86	80	72	64	89	78
1000	0	31571	89	93	88	89	89	87	81	71	93	82
	195	28920	88	90	86	87	88	85	77	68	92	80
	532	22223	86	87	84	84	86	82	74	64	89	78
	699	12285	92	92	88	87	87	81	73	65	90	79
1060	0	33466	90	94	90	90	90	88	83	74	95	83
	219	30655	89	91	88	88	89	87	79	70	93	81
	597	23556	87	89	86	85	87	84	76	67	90	79
	785	13022	93	94	90	88	88	83	75	67	92	80
1135	0	35833	91	95	93	92	92	90	85	76	96	85
	252	32824	90	93	91	90	90	88	82	73	95	83
	685	25223	88	90	88	87	88	86	79	69	92	80
	900	13943	94	95	93	90	90	85	78	70	94	82
1205	0	38043	92	97	95	93	93	92	87	78	98	86
	284	34849	91	94	93	91	92	90	84	75	96	84
	772	26778	89	92	90	88	89	87	81	71	93	82
	1015	14803	95	97	95	91	91	87	80	72	95	84
1280	0	40411	93	98	97	94	94	93	89	80	99	88
	320	37018	92	96	95	92	93	92	86	77	97	86
	871	28445	90	93	92	90	90	89	83	73	95	83
	1145	15725	96	99	97	93	92	89	82	74	97	85
1385	0	43726	94	100	100	96	96	95	91	83	101	90
	375	40054	93	98	97	94	94	94	88	80	99	88
	1020	30778	91	95	94	91	92	91	85	76	97	85
	1340	17015	97	101	99	95	94	91	84	76	99	87
1470	0	46410	95	101	102	97	97	97	93	85	103	91
	422	42512	94	99	99	95	96	95	90	82	101	89
	1149	32667	92	97	96	93	93	93	87	78	98	87
	1510	18059	98	102	101	96	95	93	86	78	100	89

YFIMF-1120

			SOUND POWER									
			OCTAVE BANDS									
RPM	Pa	VOLUME	1	2	3	4	5	6	7	8	LWiA	dB(A)
435	0	19295	76	72	74	74	71	65	55	45	75	64
	46	17674	73	70	72	73	69	61	52	43	74	62
	126	13581	70	68	69	71	66	58	48	38	71	59
	166	7508	75	72	72	71	65	57	49	41	71	60
470	0	20847	77	74	76	76	74	68	58	48	78	66
	54	19096	74	72	74	75	72	64	55	46	76	64
	147	14674	71	70	71	73	69	61	51	41	73	62
	194	8112	76	74	73	74	68	60	52	44	74	62
500	0	22178	79	76	77	77	75	70	60	50	79	68
	61	20315	76	74	75	76	73	66	57	48	77	66
	167	15611	73	72	72	74	71	63	53	43	75	63
	219	8630	78	76	75	75	70	62	54	46	75	64
530	0	23508	80	78	78	79	77	71	62	52	81	69
	69	21534	77	76	76	78	75	68	59	50	79	67
	187	16547	74	73	73	75	72	65	55	45	76	65
	246	9148	79	77	76	77	71	64	56	48	77	65
560	0	24839	81	80	79	80	78	73	64	54	82	71
	77	22753	78	77	77	79	76	70	61	52	80	69
	209	17484	76	75	75	76	74	67	57	47	78	66
	275	9665	81	79	78	78	73	66	58	50	78	67
605	0	26835	83	82	81	82	80	76	67	57	84	72
	90	24581	80	80	79	80	78	72	64	55	82	71
	244	18889	78	78	76	78	76	69	60	50	79	68
	321	10442	83	82	79	80	75	68	60	52	80	69
650	0	28831	84	85	82	83	82	78	69	59	86	74
	104	26410	82	82	80	82	80	75	66	57	84	72
	282	20294	79	80	78	79	78	72	63	53	81	70
	370	11219	85	84	81	81	78	71	63	55	82	71
685	0	30383	85	87	84	84	83	79	71	61	87	76
	115	27832	83	84	82	83	82	76	68	59	85	74
	313	21386	81	81	79	80	79	73	64	54	83	71
	411	11823	86	86	82	82	79	72	64	56	84	72
720	0	31936	86	88	85	85	84	81	73	63	88	77
	127	29254	84	86	83	84	83	78	70	61	87	75
	346	22479	82	83	80	81	81	75	66	56	84	72
	454	12427	87	88	84	83	81	74	66	58	85	73
760	0	33710	87	90	86	86	86	82	75	65	90	78
	142	30879	86	87	84	85	84	80	71	62	88	76
	385	23728	83	85	81	82	82	77	68	58	85	74
	506	13117	89	89	85	84	82	76	68	60	86	75
810	0	35928	89	93	87	88	87	84	77	67	91	80
	161	32911	87	90	85	86	86	82	74	65	90	78
	438	25289	85	87	83	83	84	79	70	60	87	76
	575	13980	91	91	87	86	84	78	70	62	88	77
850	0	37702	90	94	88	89	89	86	79	69	93	81
	177	34536	88	91	86	87	87	84	75	66	91	79
	482	26538	86	88	84	84	85	81	72	62	88	77
	633	14671	92	93	88	87	86	80	72	63	90	78
915	0	40585	91	95	90	91	90	88	82	72	95	83
	205	37177	90	92	88	89	89	86	78	69	93	81
	558	28567	88	89	86	86	87	83	75	65	90	79
	734	15792	94	94	89	88	88	82	74	66	92	80
970	0	43025	92	96	91	92	92	90	84	74	96	85
	231	39412	91	93	89	90	91	88	80	71	94	83
	628	30284	89	90	87	87	89	85	77	67	92	80
	825	16742	95	95	91	90	90	84	76	68	93	82
1015	0	45021	93	97	93	93	93	91	85	76	97	86
	252	41240	92	94	91	91	92	89	81	73	95	84
	687	31689	90	91	88	88	90	86	78	69	93	81
	903	17518	96	96	92	91	91	85	77	69	94	83
1095	0	48569	95	99	95	94	94	93	88	78	99	88
	294	44490	94	96	93	92	93	91	84	75	97	86
	800	34187	92	93	91	90	91	88	81	71	95	83
	1051	18899	97

INFINAIR®

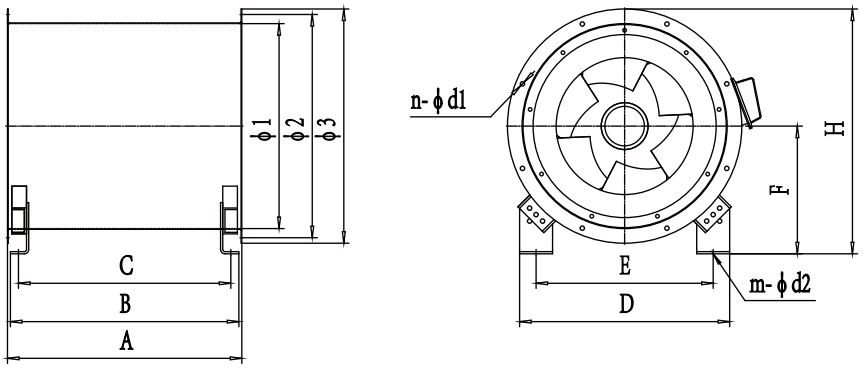
YFIMF-1250

Sound Data

			SOUND POWER									
			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

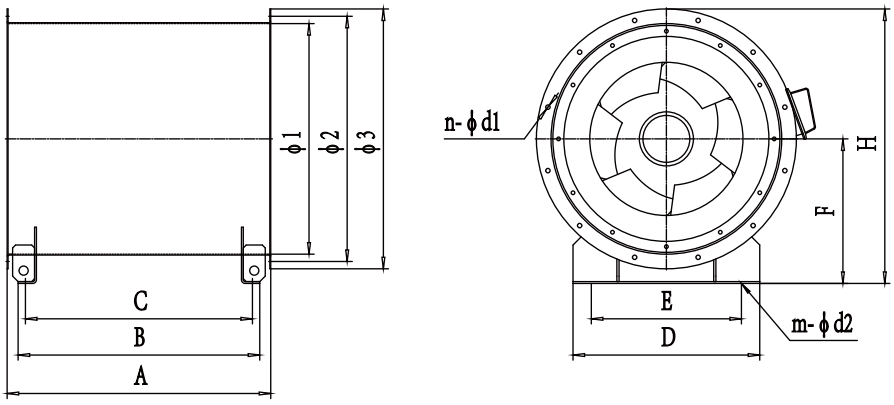
Values shown are for inlet LwiA sound power levels for Installation Type B: Free inlet, ducted outlet. The sound power level ratings shown are in decibels, referred to as 10^{-12} watts, calculated per AMCA International Standard 301. The A-weighted sound ratings shown have been calculated per AMCA International 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-400~500D Dimension (Direct-driven)



Model	Size																
	φ1	φ2	φ3	A		B		C		D	E	F	H(max)	n - φd1	m - φd2		weight (kg)	
				General	Fire/Smoke	General	Fire/Smoke	General	Fire/Smoke						Base-mounted	Ceiling hung	General	Fire/Smoke
YFIMF-400D	450	494	530	585	710	569	694	525	650	494	404	309	574	8 - φ12	4 - φ18	4 - φ12	46	50
YFIMF-450D	510	554	590	670	795	654	779	610	735	538	448	331	626	8 - φ12	4 - φ18	4 - φ12	56	60
YFIMF-500D	560	604	640	725	850	709	834	665	790	574	484	349	669	8 - φ12	4 - φ18	4 - φ12	66	70

YFIMF-560~1120D Dimension (Direct-driven)



Model	Size																	
	φ1	φ2	φ3	A		B		C		D	E	F	H(max)	n - φd1	m - φd2		weight (kg)	
				General	Fire/Smoke	General	Fire/Smoke	General	Fire/Smoke						Base-mounted	Ceiling hung	General	Fire/Smoke
YFIMF-560D	630	674	710	790	915	730	855	690	815	550	450	395	750	12 - φ12	4 - φ18	4 - φ12	94	101
YFIMF-630D	712	754	792	855	980	795	920	755	880	620	520	435	831	12 - φ12	4 - φ18	4 - φ12	117	125
YFIMF-710D	809	854	889	930	1075	880	1025	830	975	700	600	485	930	12 - φ12	4 - φ18	4 - φ12	143	154
YFIMF-800D	910	954	990	1040	1185	950	1095	900	1045	790	690	535	1030	16 - φ14	4 - φ18	4 - φ12	179	193
YFIMF-900D	1017	1059	1097	1275	1420	1185	1330	1135	1280	890	790	590	1139	16 - φ14	4 - φ18	4 - φ12	237	254
YFIMF-1000D	1130	1182	1230	1395	1575	1275	1455	1225	1405	990	870	655	1270	16 - φ14	4 - φ18	4 - φ12	332	365
YFIMF-1120D	1270	1322	1370	1475	1655	1355	1535	1305	1485	1110	990	725	1410	20 - φ14	4 - φ18	4 - φ12	419	447

Note: 1. Dimensions provided are for reference only and may differ from the actual drawings.
2. The above weight of the fan does not include motor.

>> Technical Specifications

YFIMF Technical Specifications (Belt-Drive Type)

Fan Type

Fan type shall be inline mixed flow fan, belt driven.

Quality Standards

The fan performance shall be tested in accordance with AMCA Publications 210 and 300 in an AMCA accredited laboratory and certified for air and sound performance. Fans shall be licensed to bear the AMCA ratings seal for air performance (AMCA 210) and sound performance (AMCA 300). Manufacturer shall own the national manufacturing license together with internationally recognized Quality Management System (ISO 9001) standard.

Impeller

Multiple blade angles shall be available to suit various operating environment. The wheel shall contain a shroud cover and a hemispherical back plate. It shall reach the static and dynamic balancing level of G2.5 per AMCA 204 standard. The wheel and fan inlet shall be carefully matched and shall have precise running tolerances for maximum performance and operating efficiency.

Inlet

The surface of the aerodynamically designed inlet shall be streamlined and smoothed to ensure the most economical air performance can be achieved. It shall improve the fan efficiency while reducing turbulence and noise.

Hub

3D curved steel guide vanes shall be aerodynamically placed within the hub to minimize turbulence and aid in recover the rotating energy imparted to the air. The hub shall be able to improve the air performance and static pressure efficiency.

Surface Coating

The surface of the fan shall be cleaned thoroughly, free of cracks and finished with electrostatic epoxy coating. No uncoated fan parts shall be allowed.

Belt Drive Type

Shaft
The material of the fan shaft shall be 40Cr steel with the hardness level between HB250-280. Its maximum loading shall be 25% larger than the maximum RPM of the fan.

Wheel
The wheel shall be mixed flow design. The wheel shall be dynamically balanced to G2.5 per AMCA standard. It shall be fabricated with continuously welded steel foils.

Pulleys
The pulleys shall be cast iron to provide long life and durability. They shall be factory set to the required RPM and adjustable for final system balancing. Drive belts and pulleys shall be sized for 150% of the fan operating brake horsepower, and shall be readily and easily accessible for service, if required.

Belt
Belt shall be oil resistant and static free.

Bearings
Standard bearings shall be ball or roller type, grease lubricated with a basic rating fatigue life (L-10), in excess of 50,000 hours at each level's maximum operating speed. Renowned brand name such as FYH and SKF shall be used to ensure reliability.

Extended Lube Lines
Lubrication lines with grease fittings shall allow bearing lubrication without dismounting the fan.

Motor Base
After fabrication, the steel made base shall be cleaned and remove all grease, oil, scale, etc. It shall then be finished with powder coating to prevent corrosion.

Belt Cover
It shall be semi-closed belt guard to prevent injuries. It shall be designed to allow easy access to the belt and pulleys for servicing.

Motor
The B3 Motor shall be carefully matched to the fan load. It shall be mounted out of the air steam. It shall be IP55 dust and water protection class; insulation class shall be F and temperature tolerance shall be class B. It shall be equipped with electrostatic epoxy coated rain cover for outdoor operation.

Optional Accessories

Spark Resistant (Options)

Spark-resistant designs shall be available for applications that involve flammable gases. The fan shall be constructed per AMCA 99 Type C.

Fire and Smoke Certification (Fire & Smoke Extraction & Control only)

It shall pass the tests as described in the TUV SUD certification requirements for fire & smoke removal duty which it shall maintain normal operation for 120 minutes under the temperature of 300℃.

Nameplate

A permanent nameplate shall be mounted onto the fan with its serial number (a unique number for each machine), model number and product number clearly engraved on it.

YFIMF Technical Specifications (Direct-Drive Type)

Fan Type

Fan type shall be inline mixed flow fan, direct driven.

Quality Standards

The fan performance shall be tested in accordance with AMCA Publications 210 and 300 in an AMCA accredited laboratory and certified for air and sound performance. Fans shall be licensed to bear the AMCA ratings seal for air performance (AMCA 210) and sound performance (AMCA 300). Manufacturer shall own the national manufacturing license together with internationally recognized Quality Management System (ISO 9001) standard.

Impeller

Multiple blade angles shall be available to suit various operating environment. The wheel shall contain a shroud cover and a hemispherical back plate. It shall reach the static and dynamic balancing level of G2.5 per AMCA 204 standard. The wheel and fan inlet shall be carefully matched and shall have precise running tolerances for maximum performance and operating efficiency.

Inlet

The surface of the aerodynamically designed inlet shall be streamlined and smoothed to ensure the most economical air performance can be achieved. It shall improve the fan efficiency while reducing turbulence and noise.

Hub

3D curved steel guide vanes shall be aerodynamically placed within the hub to minimize turbulence and aid in recover the rotating energy imparted to the air. The hub shall be able to improve the air performance and static pressure efficiency.

Surface Coating

The surface of the fan shall be cleaned thoroughly, free of cracks and finished with electrostatic epoxy coating. there is no uncoated fan parts shall be allowed.

Motor

The B5 Motor shall be carefully matched to the fan load. It shall be mounted out of the air steam. It shall be IP55 dust and water protection class; insulation class shall be F and temperature tolerance class B. It shall be equipped with electrostatic epoxy coated rain cover for outdoor operation. Since the motor is inside the housing, manufacturer shall provide wiring connection box. It shall be made according to the operation conditions of the fan.
Frequency 50 Hz / 60 Hz

Optional Accessories

Fire and Smoke Certification (Fire & Smoke Extraction & Control only)

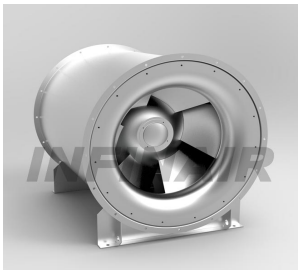
It shall pass the tests as described in the TUV SUD certification requirements for fire & smoke removal duty where it shall maintain normal operation for 120 minutes under the temperature of 300℃.

Nameplate

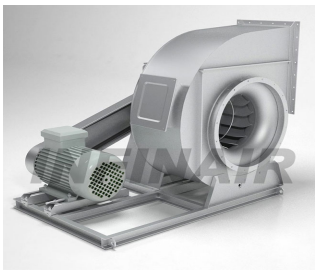
A permanent nameplate shall be mounted onto the fan with its serial number (a unique number for each machine), model number and product number clearly engraved on it.

High Pressure Axial Fan

Roof Exhaust Fan



Mix Flow Fan



SISW Centrifugal Fan

Axial Wall Fan

DIDW Fan

Heavy Industrial Fan

Medium Duty Ind. Fan

Jet Fan

INFINAIR™

INFINAIR ARABIA CO. LTD

Add: Kingdom of Jordan - Amman City - Mowaqqar Industrial Free Zone

Http: //www.infinair-arabia.com

Email: hossam@infiunair-arabia.com

Mobile and What's up: +962 - 785382880

INFINAIR FANS ARE YOUR BEST CHOICE
HIGH QUALITY PRODUCTS

QAULITY ASSURANCE

ENVIRONMENTAL

HEALTH & SAFETY

UL Listed Fans
Standard UL 705:2017

YFIMF-10.October-2019-V01