INFINAIR™

INFINAIR ARABIA CO. LTD.

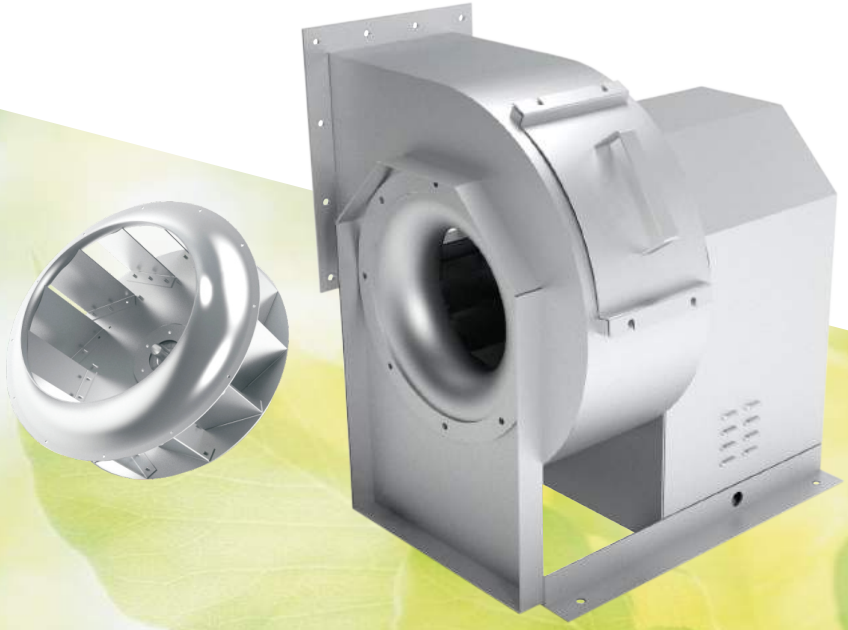
CUS

Centrifugal Utility (SISW)

UL 705:2017 Listed Fans
High Quality Products
Aluminum Construction
Less Sound Quiet
Operation
Low Power Consumption

UL Listed Fans
Standard UL 705:2017

INFINAIR ARABIA COMPANY LTD. certifies that the Centrifugal Utility Fans SISW (CUS) 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. The AMCA certified ratings seal applies to the FEI for all models of CUS



Utility Centrifugal Fans
Sizes 300 mm - 1000 mm

QAULITY ASSURANCE

ENVIRONMENTAL

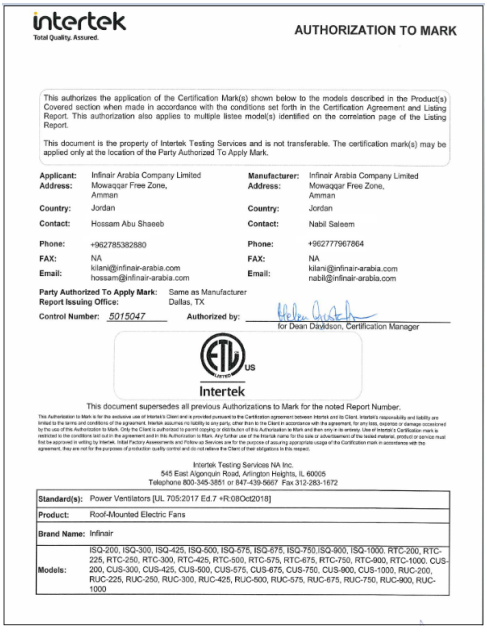
HEALTH & SAFETY

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

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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.

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Authorised by

SGS United Kingdom Ltd
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HC SGS14001 2015 0819

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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.

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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

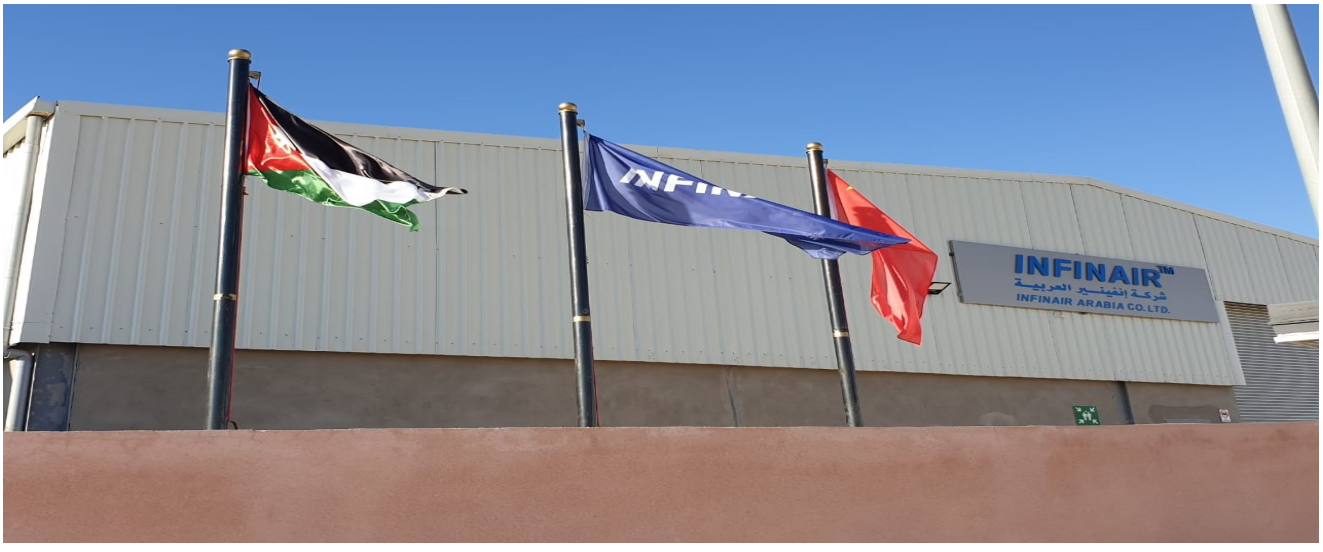
Company Vision:
To be the most trusted brand in ventilation industry in the World

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

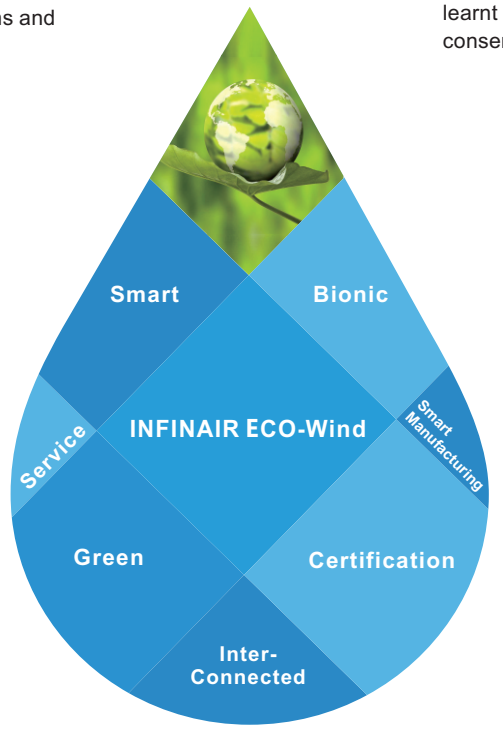


INFINAIR's Intelligent Ventilation Technology

- **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's 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's 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's products are heavily inspired by the animal evolution over the past millenniums. We have learnt 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 customizable. 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.

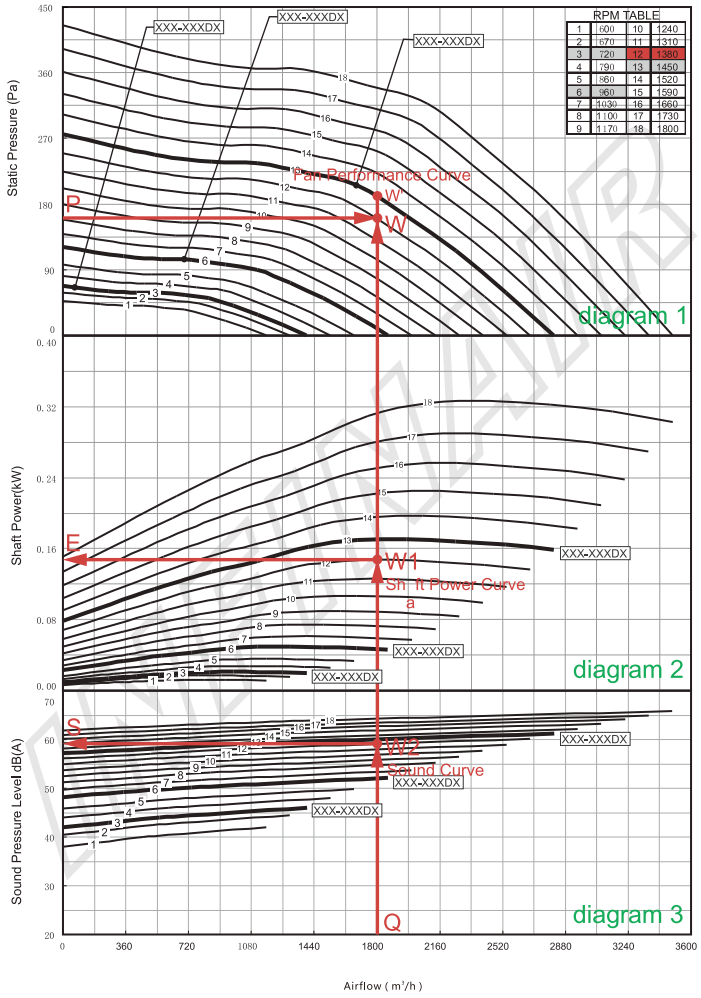
Connectivity

- Matrix Connection
- Central Connection
- Terminal Connection

Certifications and Tests

- **Most of the products are certified by:**
  UL, 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

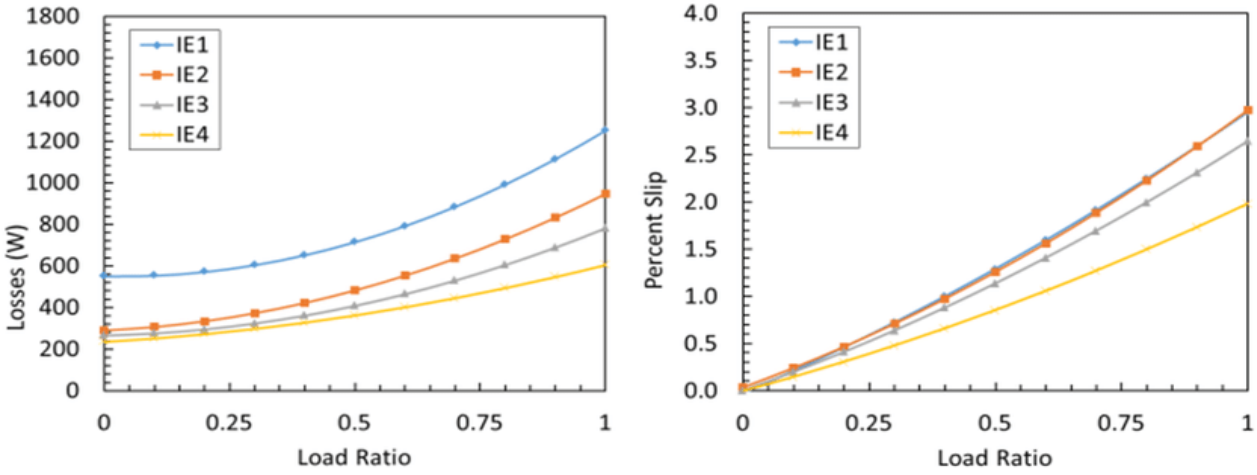
Electrical Motors

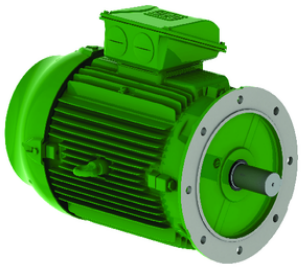
INFINAIR ARABIA fuse High Efficiency motors for all fans. TEFC motor's materials are made from Cast Iron, stainless steel shaft and high quality windings to overcome. The increasing demand for electrical energy to sustain global development requires consistent heavy investments in power supply generation. The best strategy to maintain energy supply in the short term is to avoid wastage and increase energy effciency. 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 effciency, by using high effciency electric motors and frequency inverters, are to be welcomed, as they can make a real contribution to reductions in global energy demand

Motors Features:

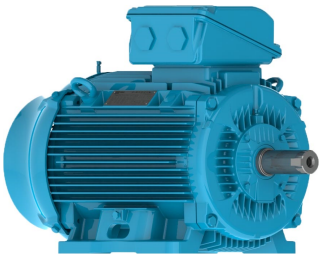
- High Ambient withstanding 55 degree C
- Premium Efficiency Rating IE3 is a standard
- Super Premium Efficiency Rating IE4 (Option)
- Cast Iron Body and well designed Terminal Box
- Insulation Class is F and Protection is IP55
- Applicable for VFD operation
- Thermal protection integration
- Smoke applications 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



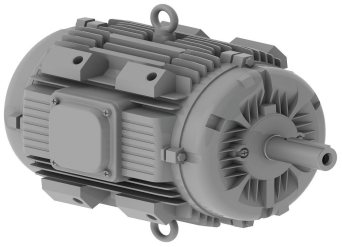


Flange



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.

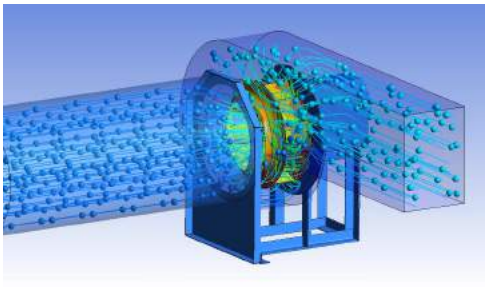
Highlights of the 4th Generation of Wind-Surfer™ wheel

Highlights of the 4th Generation of Wind-Surfer™ wheel

- Excellent sound and air performance
- Wide performance range of high efficiency and non-overload
- The balance quality grade as high as G2.5 (Just G6.3 for general products)

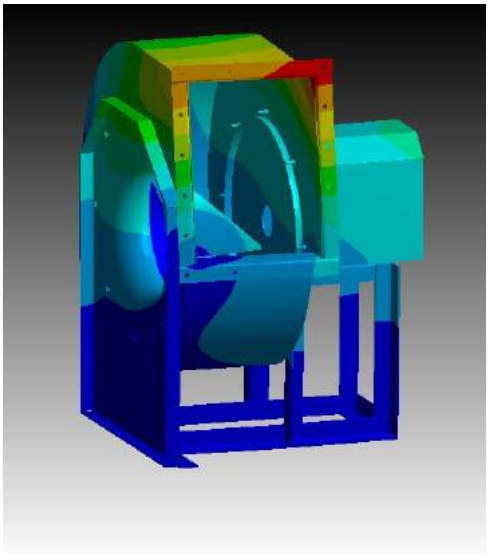
Air Performance Design

- Optimized design through CFD flow field simulation and repeated tests
- Wheel cone and inlet cone in conformity with flow field characteristics
- Flow passages control: airflow regulated well through precise synergy
- Optimized mounting angle for blades



Structural Design

- Stress analysis by FEA method for better performance
- Various additional strengthening for different specifications for greater reliability
- Riveting technology used to avoid stress



Advanced Process

- Wheel cone and inlet cone formed by spinning to ensure good air performance
- Inlet Cone: replacing the inlet bell to ensure smooth airflow
- Blades: formed by punching to ensure quality
- Tooling: dedicated fixtures to ensure the precise mounting position of blades

Wheel Improved

- Continuous Improvement: upgraded to the 4th generation of wheel
- Compared with the 3rd generation: overall performance improved by 5-10 %
- Compared with the 3rd generation: overall sound level reduced by 2-3 dB(A)

Product Features

Wide Performance Range

- Wheel Diameter: 300~ 1,000 mm
- Wide RPM and performance ranges offering more choices in model selection
- The number of turns adjustable, pulley and motor replaceable: performance range regulated for better adaptability

Compact Structure

- Belt drive: AMCA arrangement 10 (motor right under shaft); direct drive: AMCA arrangement 4
- The compact structural design reducing space
- Belt length reduced and belt life extended
- Low center height of scroll leaving more space for duct installation

Scroll Turned for Variable Discharge Directions at Jobsite

- The scroll is fixed by 8 equally spaced bolts. Discharge directions can be adjusted at the jobsite within the allowable angle range.

AMCA Seal: for Sound and Air Performance

- CUS fans certified by AMCA for Sound and Air Performance
- AMCA Seal for Sound and Air Performance tagged on CUS fans

Suitable for Outdoor Installation

- Rain cover available to protect the whole drive unit
- Total protection from sunlight, rain and snow affecting rotating parts
- Fewer impacts from climate factors on the durability and safety of fans

AMCA Spark Resistant Construction Option

- Supply Spark A and Spark B construction option according to AMCA99-10
- Spark A: Housing is aluminum, wheel and inlet cone are aluminum
- Spark B: Wheel and inlet cone are aluminum

Continuously Welded Housing

- The continuously welded housing has sufficient structural rigidity
- It is more suitable for ventilation of moist air compared with scroll manufactured with lock seam
- The accumulated dropping liquid inside the scroll will not result in leakage
- It is suitable for exhausting air containing condensed water and kitchen fumes

Easy Maintenance

- Access doors are available on both sides of the motor
- With one screw driver, the electrical components can be checked and repaired
- Scroll access door is provided as a standard accessory

Optional Accessories

Inlet/Outlet Safety Guard

- Safety guard of high strength is mounted at the inlet/ outlet to prevent any foreign objects from entering the fan and ducts. Its mesh is dense enough to avoid injuries. The safety guard can be selected and ordered based on actual needs.

Rain Cover

- Standard belt drive CUS fans that include a shaft/bearing guard and belt guard are for indoor installation. For outdoor installation, the rain cover shall be used to shelter motor, pulley, bearing and other rotating parts from sunlight, rain and snow. There shall also be a motor cover for CUS fans of direct drive type when used outdoors.

Drain

- It is located at the bottom of the scroll to help discharge the liquid waste, such as condensed water and grease.

Vibration Isolators

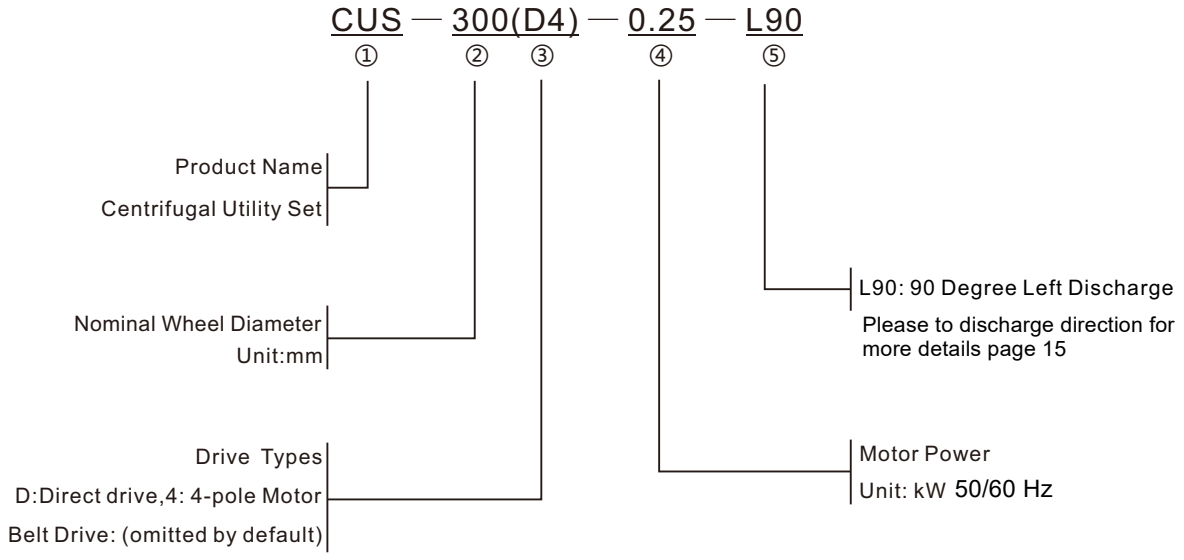
- Neoprene and spring isolators can be chosen based on needs. Vibration isolators provided by INFINAIR have been rigorously tested to effectively reduce vibrations.

Inlet and Outlet Companion Flanges

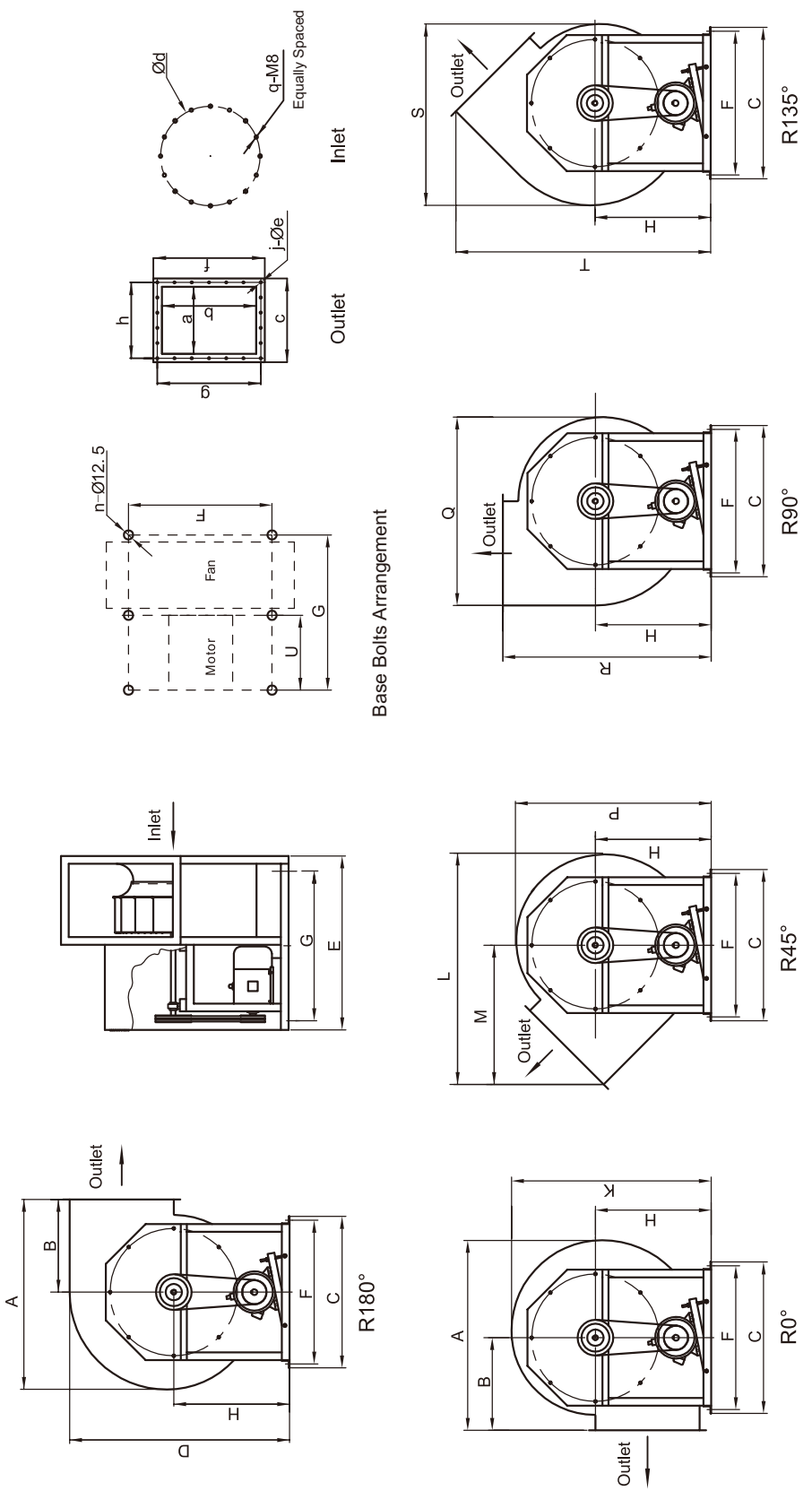
- They are for flexible connection between fans and ducts of different diameters and center heights. Also, the flanges help avoid vibrations affecting the whole system.

Extended Grease Tube (for belt drive type only)

- The grease tube is extended to the exterior part of the fan so that maintenance workload gets reduced as the bearing guard does not need to be removed for grease filling.



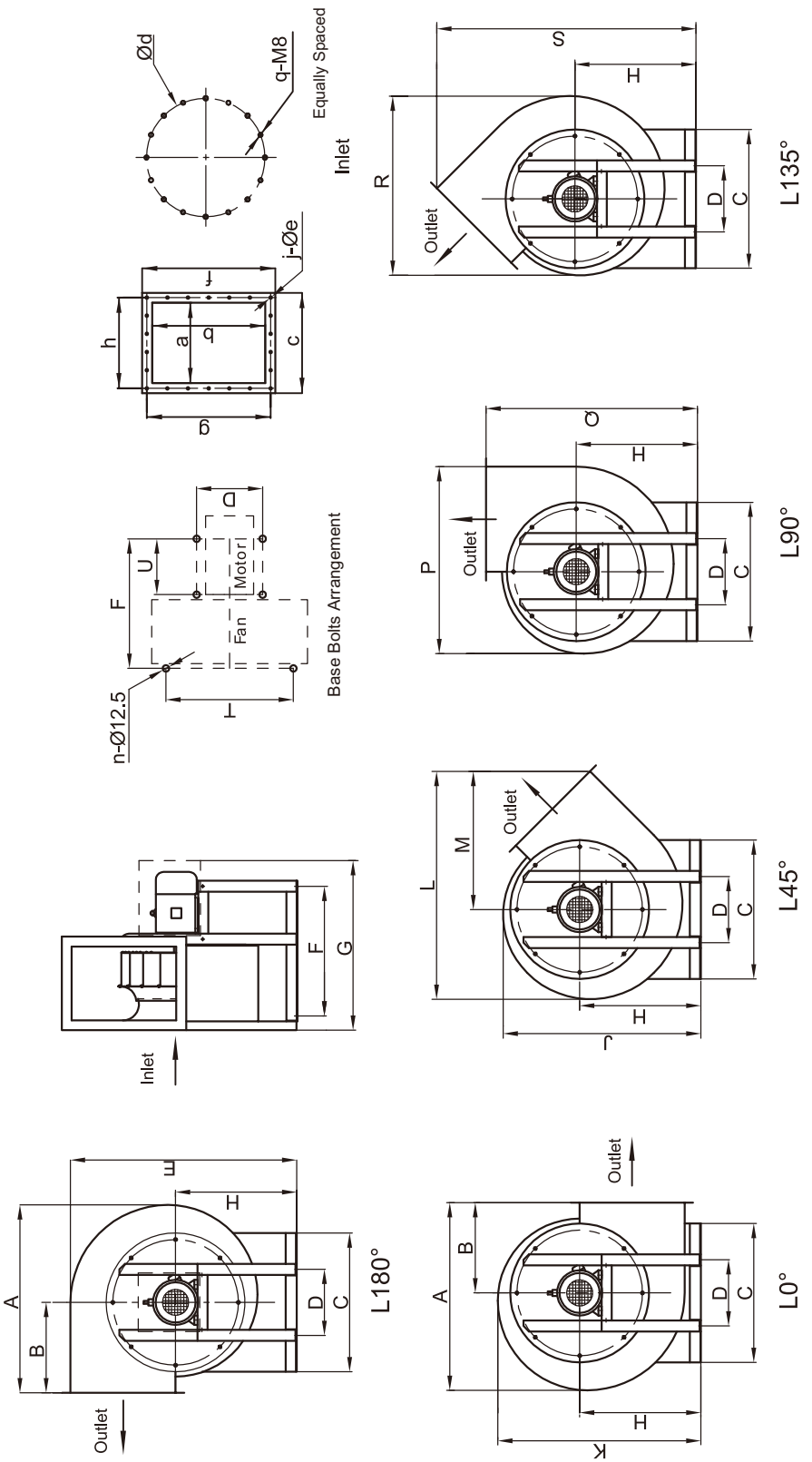
Belt Drive



Model	A	B	C	D	E	F	G	H	K	L	M	P	Q	R	S	T	U	a	b	c	d	e	f	g	h	j	n	q	Weight (Kg)
CUS-300	528	250	490	688	625	440	500	380	608	650	398	587	536	630	507	778	0	215	305	295	350	9	385	3x115	3x85	12	4	8	49
CUS-425	730	335	650	938	740	600	575	510	830	900	540	812	748	845	718	1050	0	300	428	380	495	9	505	4x117.5	3x115	14	4	8	76
CUS-500	850	410	730	1028	845	690	710	550	920	1035	628	898	848	960	815	1178	355	335	475	425	570	11	565	5x105	3x128.5	16	6	8	98
CUS-575	965	460	800	1158	900	750	725	615	1040	1168	708	1015	968	1075	930	1323	363	380	540	480	645	11	640	5x119	3x145	16	6	8	150
CUS-675	1102	525	910	1308	1010	860	825	690	1185	1344	808	1155	1113	1215	1070	1498	413	430	615	530	750	11	715	5x134	4x121.5	18	6	16	215
CUS750	1235	600	980	1430	1135	930	950	750	1296	1490	905	1266	1225	1350	1182	1655	475	475	675	575	825	11	775	5x145	5x105	20	6	16	315
CUS-900	1435	700	1130	1628	1208	1080	1000	850	1498	1737	1046	1468	1426	1550	1384	1896	500	545	775	645	975	11	875	6x137.5	5x119	22	6	16	440
CUS1000	1573	765	1230	1780	1368	1180	1125	925	1640	1905	1145	1608	1570	1690	1525	2070	563	595	850	695	1075	11	950	6x150	5x129	22	6	16	550

Note: The motor weight is not included in the above table. Right rotations are in symmetry with left rotations and the dimensions are the same.

Direct Drive



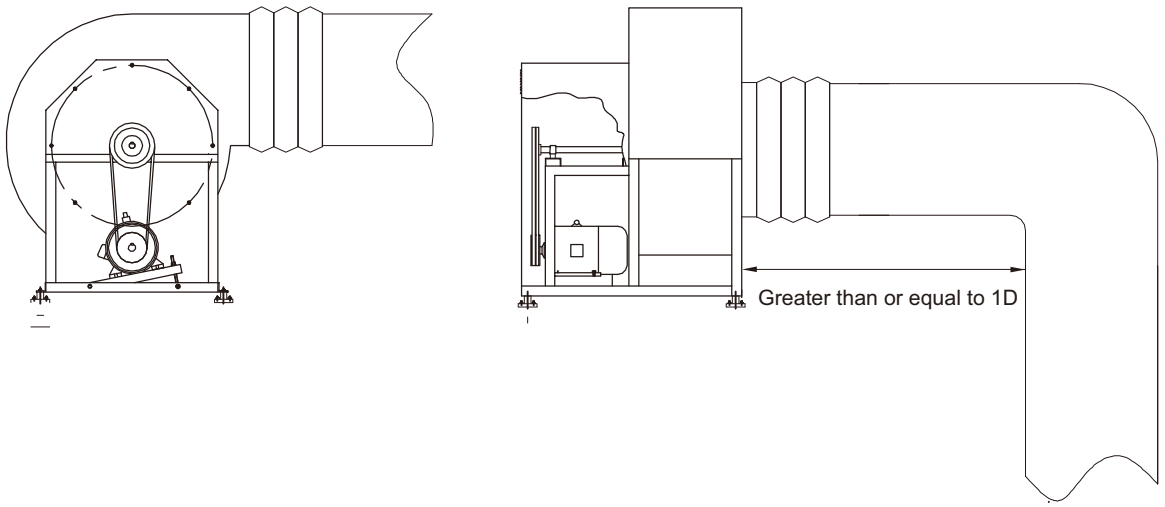
Model	A	B	C	D				E	F			G	H	J	K	L	M	P	Q	R	S	T	U		a	b	c	d	e	f	g	h	j	n	q	Kg
				2P	4P	6P	8P		2P	4P	6P	8P												6P	8P												
CUS-300D	528	250	490	280	230	230		688	390	390	390		550	380	587	608	650	398	536	630	507	778	340			215	305	295	350	9	385	3x115	3x85	12	4	8	46
CUS-425D	730	335	650		270	250	250	938		460	460	460	650	510	812	830	900	540	748	845	718	1050	500			300	428	380	495	9	505	4x117.5	3x115	14	4	8	72
CUS-500D	850	410	730		300	270	250	1028		580	500	500	750	550	898	920	1035	628	848	960	815	1178	580			335	475	425	570	11	565	5x105	3x128.5	16	6	8	93
CUS-575D	965	460	800		300	270	270	1158		570	570	570	800	615	1015	1040	1168	708	968	1075	930	1323	650			380	540	480	645	11	640	5x119	3x145	16	6	8	140
CUS-675D	1102	525	910		380	380	380	1308		730	680	680	920	690	1155	1185	1344	808	1113	1215	1070	1498	750	270	220	430	615	530	750	11	715	5x134	4x121.5	18	6	16	205
CUS-750D	1235	600	980		420	420	420	1430		800	760	760	1000	750	1266	1296	1490	905	1225	1350	1182	1655	800	300	260	475	675	575	825	11	775	5x145	5x105	20	6	16	300
CUS-900D	1435	700	1130			490	490	1628			950	950	1150	850	1468	1498	1737	1046	1426	1550	1384	1896	975		370	545	775	645	975	11	875	6x137.5	5x119	22	6	16	418
CUS-1000D	1573	765	1230			520	520	1780			1075	1075	1300	925	1608	1640	1905	1145	1570	1690	1525	2070	1075		450	595	850	695	1075	11	950	6x150	5x129	22	6	16	525

Note: The motor weight is not included in the above table. Right rotations are in symmetry with left rotations and the dimensions are the same.

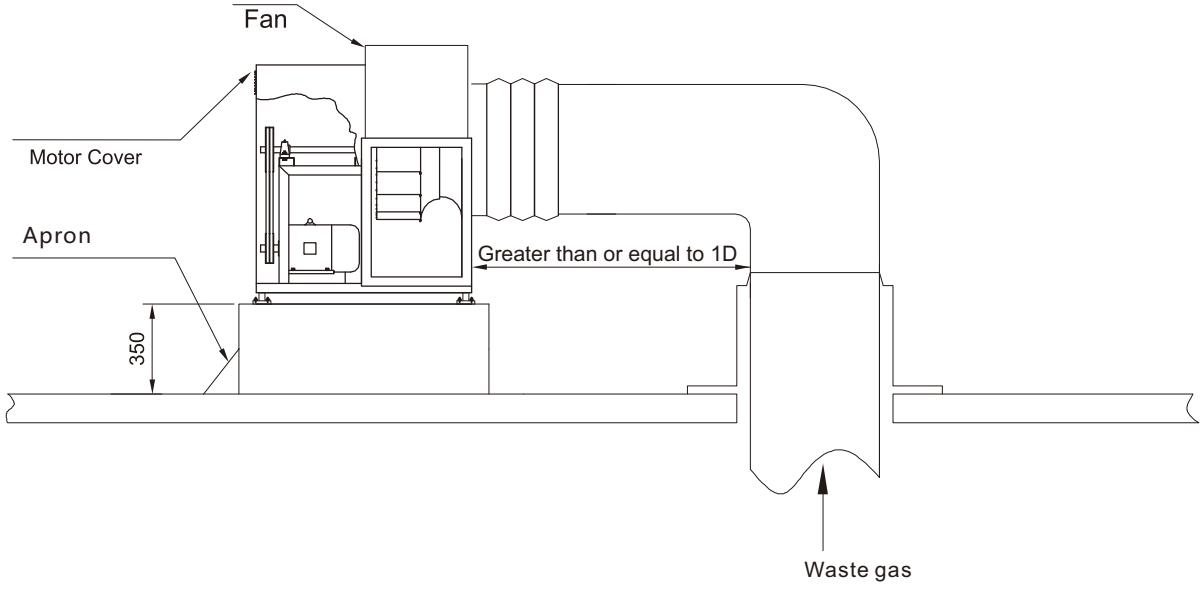
Installation Guide

INFINIAR CUS fans are suitable for exhaust, supply and return-air applications. Facts show that INFINAIR fans can still run reliably even in a harsh environment. CUS fans can be used in treating both clean air and dirty contaminated air.

Base mounted

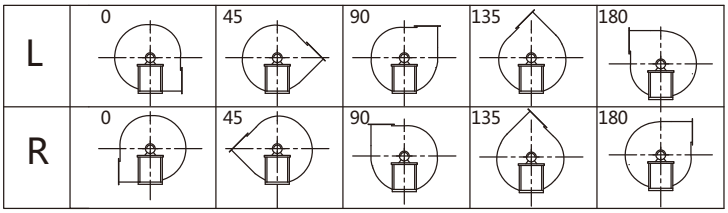


Rooftop mounted



CUS fans are suitable for exhausting kitchen fumes in hotels. Before installation, the fans must be checked and cleaned to ensure the free rotation of the wheel. The fans shall not interfere with each other and can be well maintained. There shall be enough space left for removing the wheel and bearing. Rain cover shall be chosen for outdoor installation to protect the electrical components.

Optional Discharge Directions

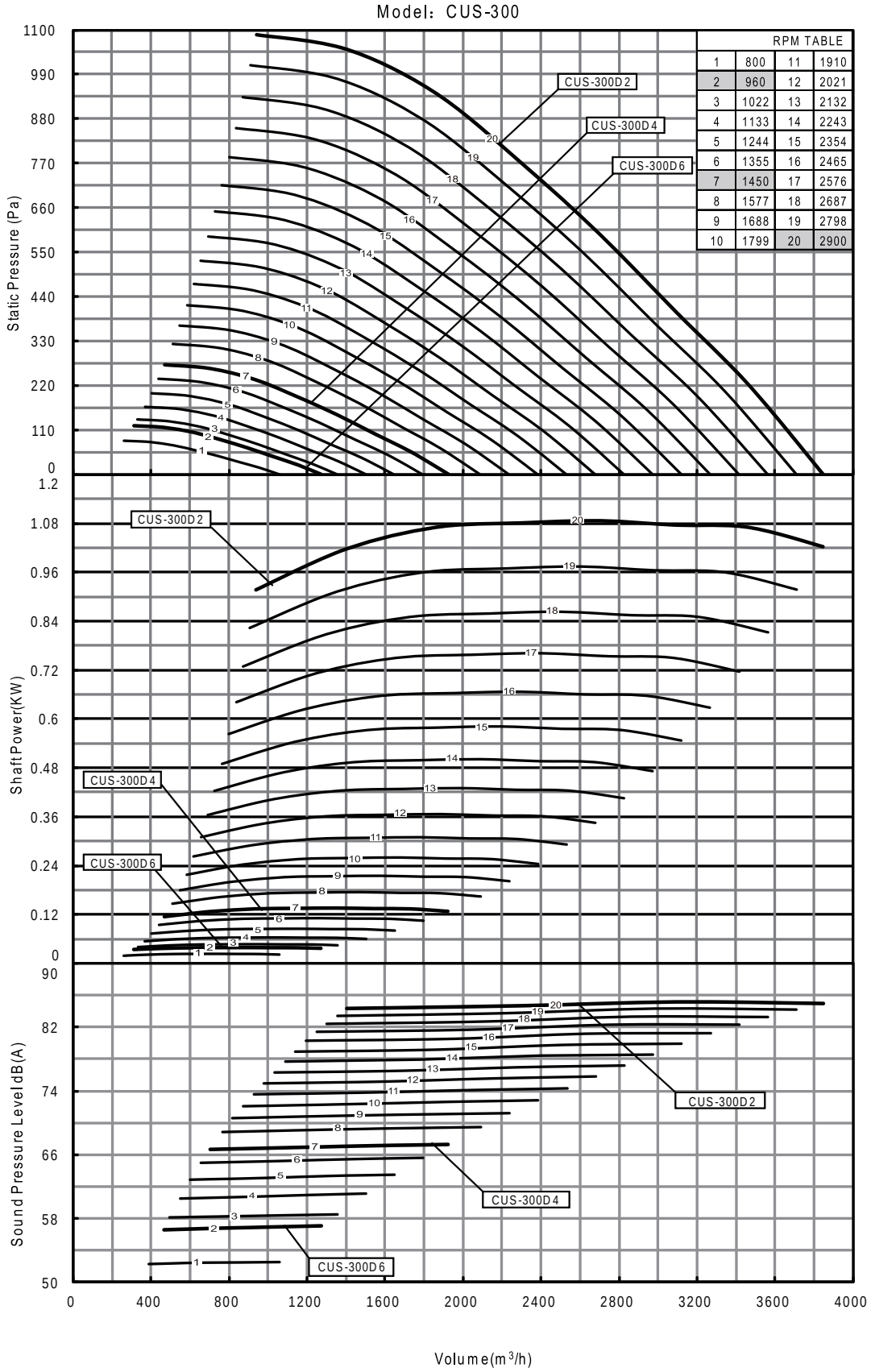


The rotation is identified from the view of the motor side. The rotation must be specified before placing orders; otherwise, the undesired rotation may cause installation problems.

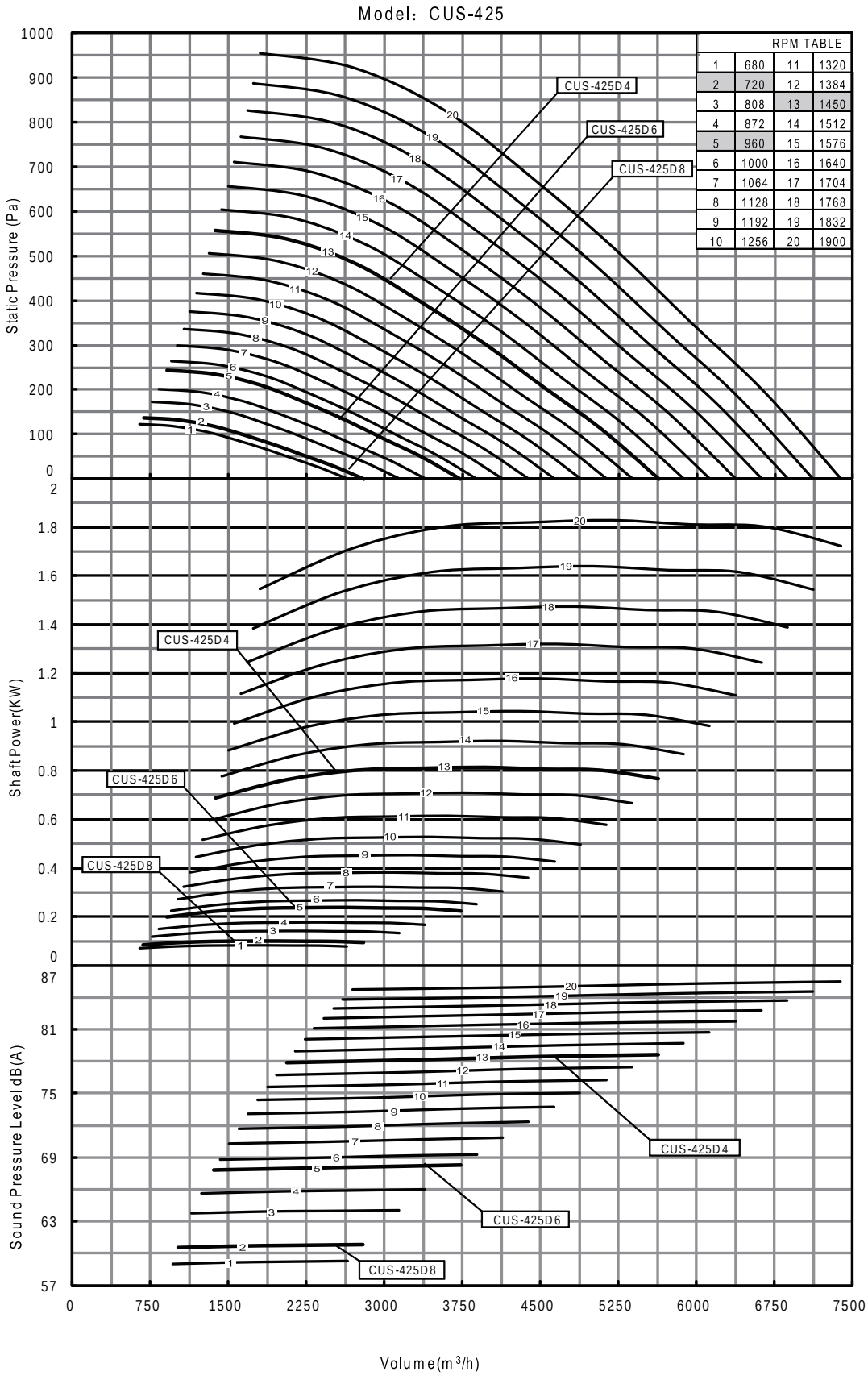
Motor Weight 50/60 Hz

Power (kW)	Motor Weight (kg)			
	2P	4P	6P	8P
0.18	14	13.5	14	16
0.25	14.5	14	14.5	17
0.37	15	14.5	16	24
0.55	15.5	15	17	28
0.75	15	16	22	30
1.1	16	21	24	32
1.5	21	23	32	40
2.2	24	33	41	64
3	33	35	63	78
4	41	41	72	105
5.5	63	65	81	115
7.5	70	76	118	145
11	110	118	145	160

Note: All dimensions, motor or fans weights and motor frame sizes are subjected to change from project to project, please call INFINAIR staff to support your request and information needed about your project



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.



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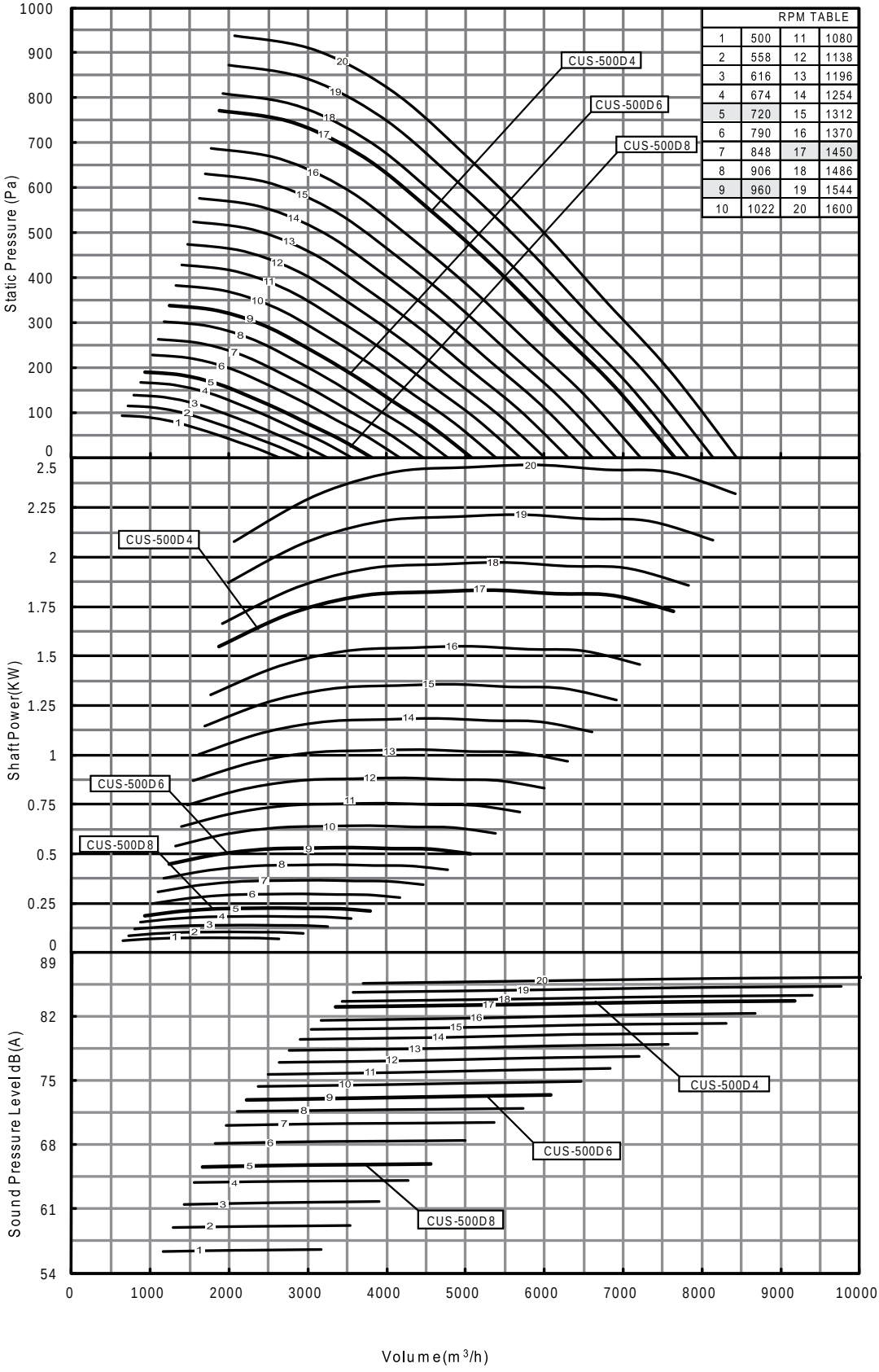
Model: CUS-500



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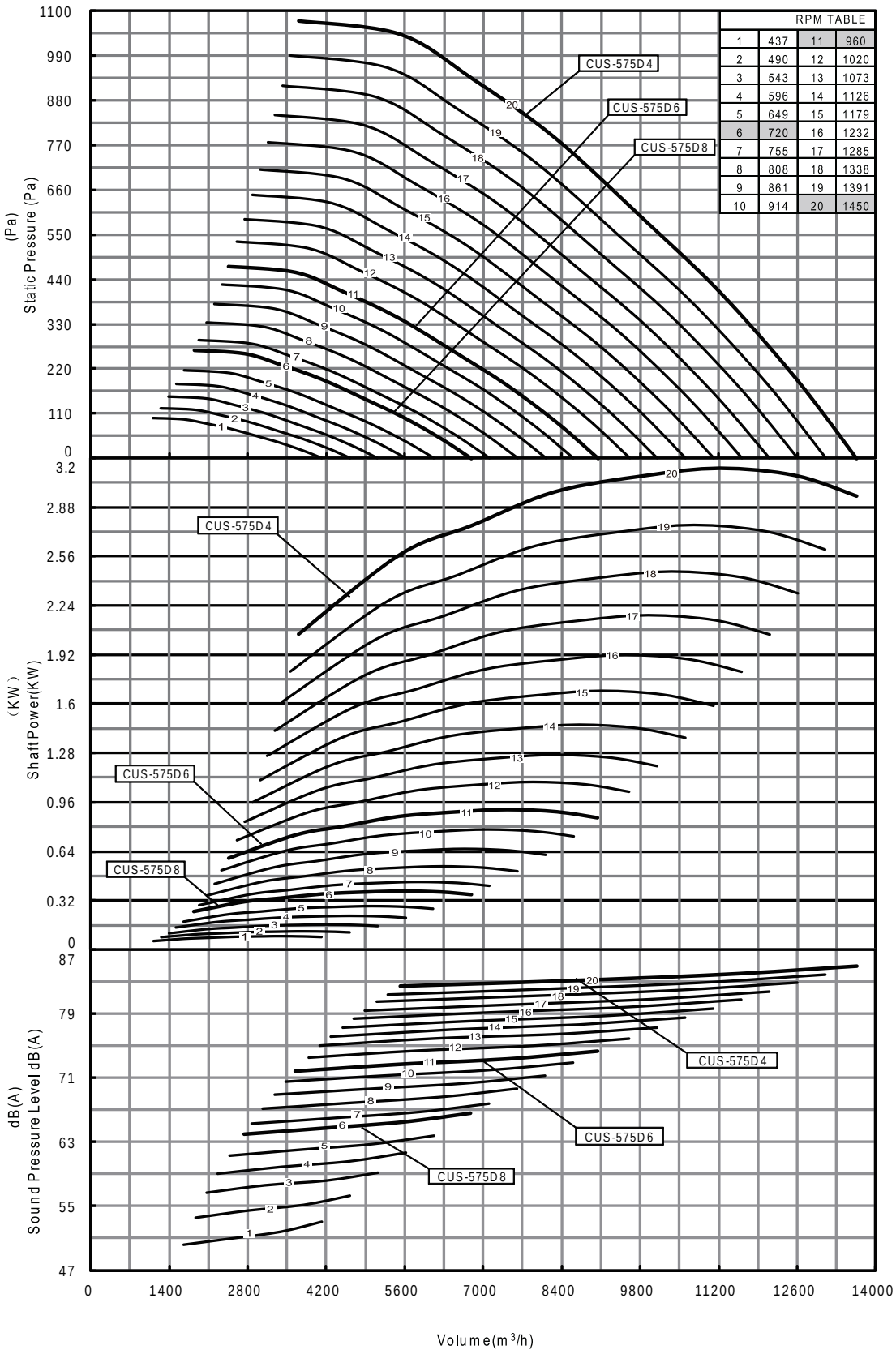
Model: CUS-575



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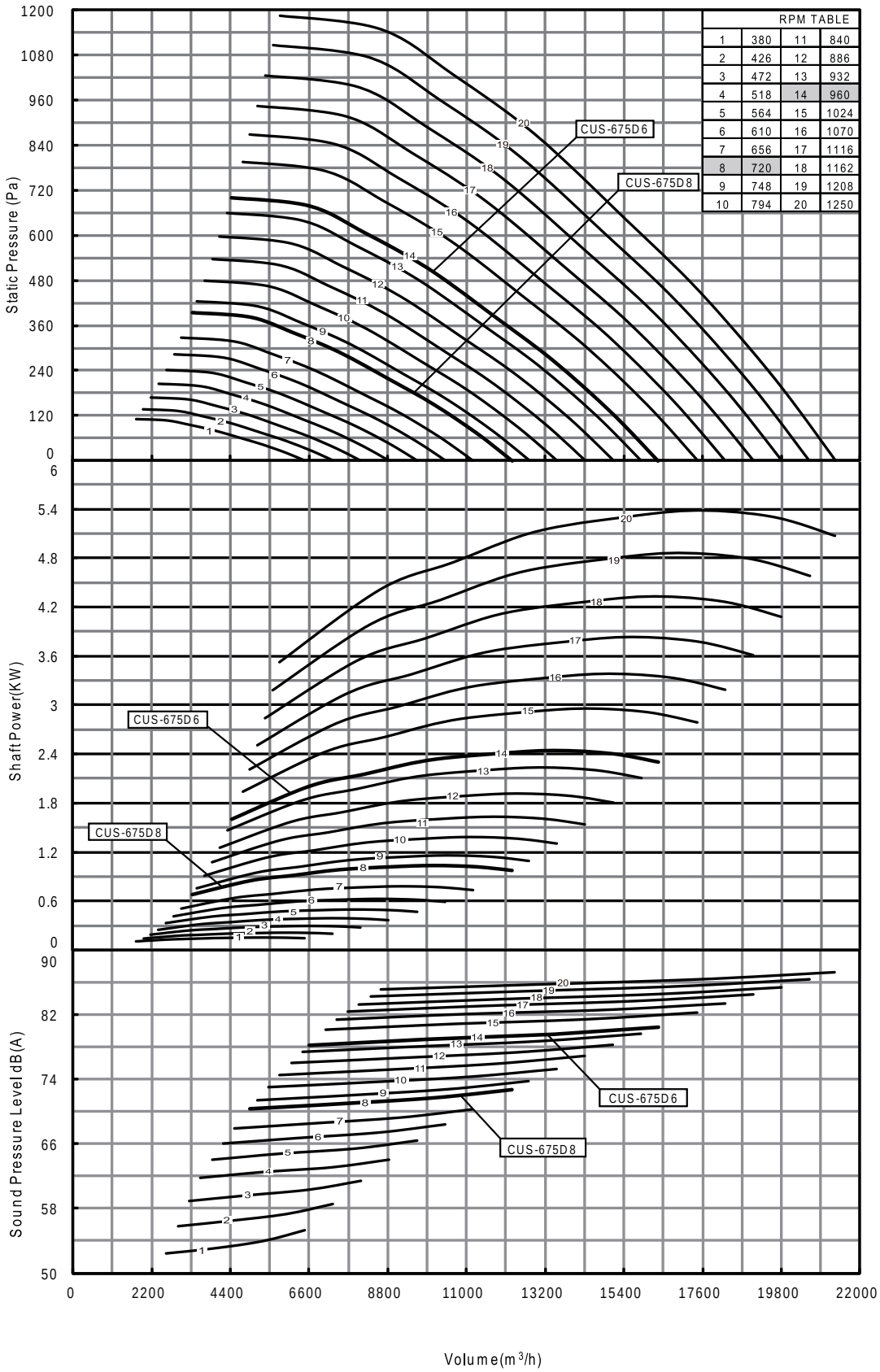
Model: CUS-675



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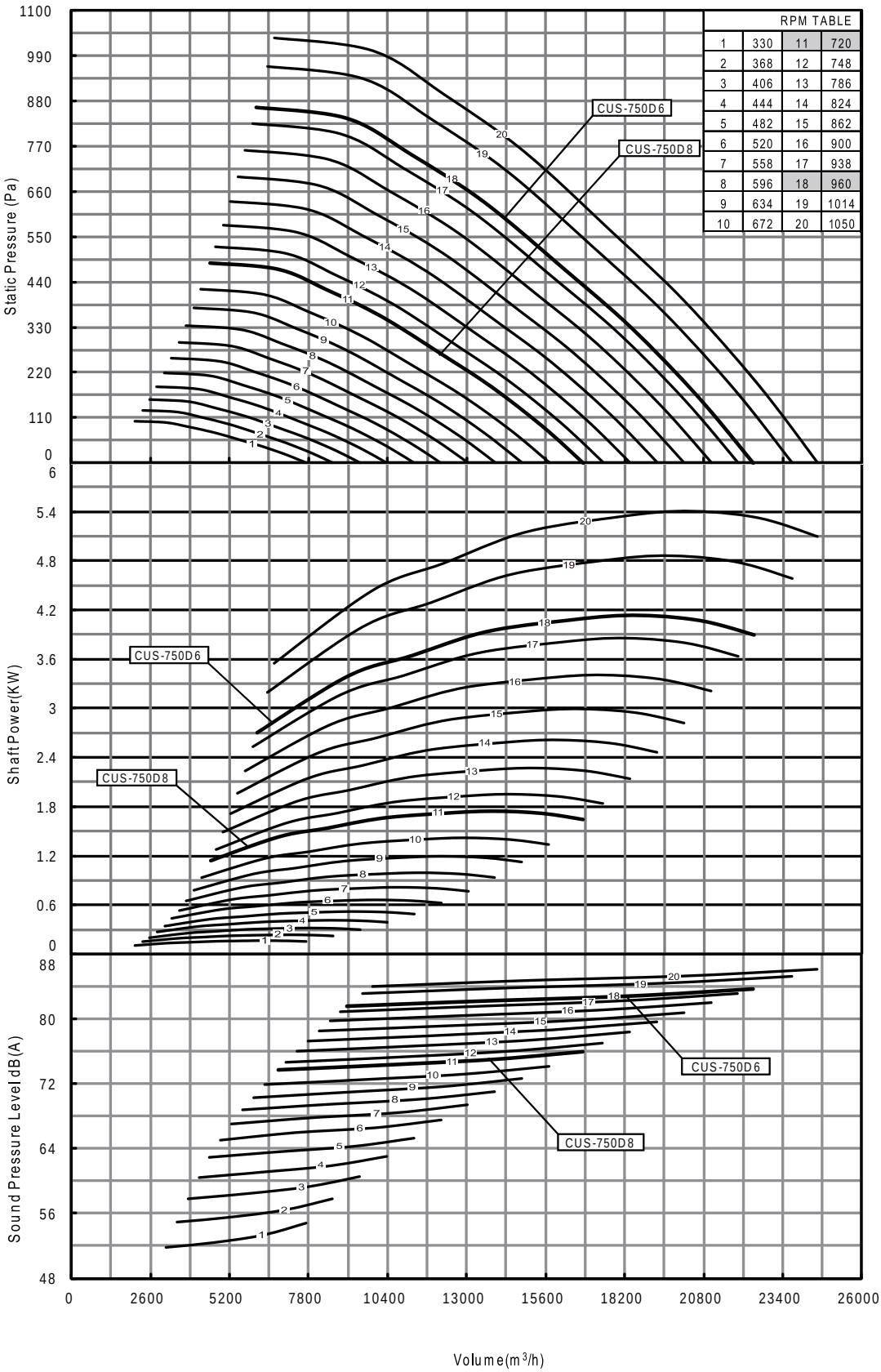
Model：CUS-750



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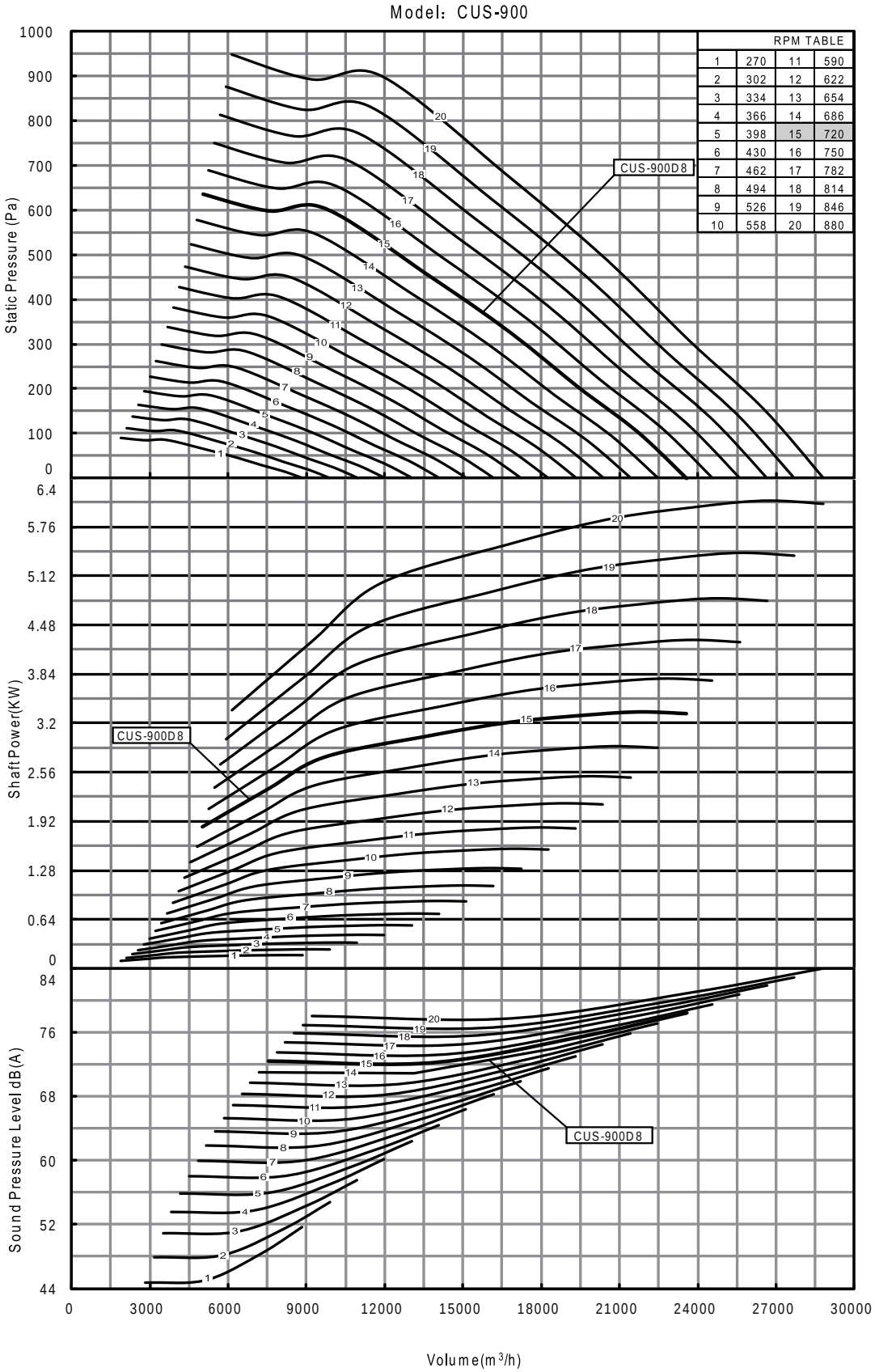

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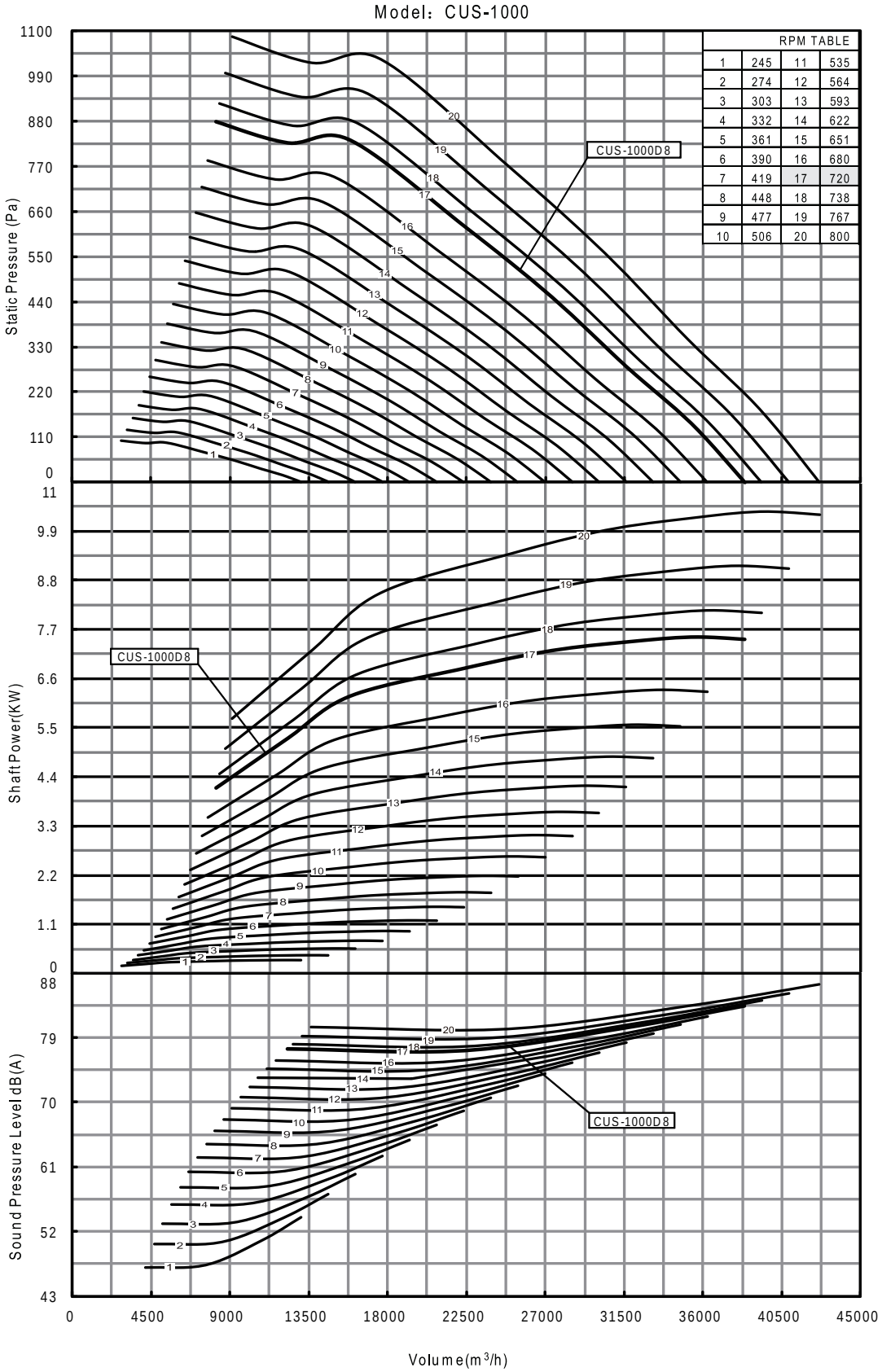

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Fans Energy Index Tables - CUS

CUS 300 FEI

Model	Flow rate (m^3/s)	SP (Pa)	Regulated	Unregulated
300D6	0.18	110		1.94
300D6	0.24	75		2.01
300D6	0.30	50		2.11
300D4	0.24	250	1.17	1.52
300D4	0.30	215	1.20	1.54
300D4	0.36	170	1.23	1.57
300D4	0.42	140	1.30	1.65
300D4	0.48	95	1.29	1.65
300-2P	0.48	600	1.16	1.17
300-2P	0.54	527	1.18	1.19
300-2P	0.60	455	1.19	1.20
300-2P	0.66	385	1.19	1.21
300-2P	0.72	305	1.17	1.18
300-2P	0.78	220	1.12	1.13
300-2P	0.84	150	1.10	1.11

CUS 425 FEI

Model	Flow rate (m3/s)	SP (Pa)	Regulated	Unregulated
425D8	0.45	110	1.14	1.93
425D8	0.68	50	1.27	2.14
425D6	0.45	235	1.11	1.37
425D6	0.68	167	1.29	1.60
425D6	0.9	90	1.33	1.63
425D4	0.9	450	1.28	1.27
425D4	1.13	345	1.37	1.35
425D4	1.35	210	1.33	1.32
425D4	1.58	80	1.26	1.25

CUS 500 FEI

Model	Flow rate (m3/s)	SP (Pa)	Regulated	Unregulated
500D6	0.6	320	1.11	1.10
500D6	0.75	290	1.12	1.14
500D6	0.9	250	1.16	1.24
500D6	1.05	190	1.17	1.25
500D6	1.2	140	1.21	1.29
500D6	1.35	75	1.16	1.25

INFINAIR ARABIA COMPANY LTD. certifies that the Centrifugal Utility Fans SISW (CUS) 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. The AMCA certified ratings seal applies to the FEI for all models of CUS

Fans Energy Index Tables - CUS

CUS 575 FEI

Model	Flow rate (m3/s)	SP (Pa)	Regulated	Unregulated
575D8	0.84	260	1.50	1.80
575D8	1.05	220	1.60	1.90
575D8	1.26	190	1.71	2.01
575D8	1.47	145	1.75	2.05
575D8	1.68	95	1.78	2.08
575D6	1.05	450	1.47	1.52
575D6	1.26	435	1.60	1.64
575D6	1.47	385	1.63	1.66
575D6	1.68	330	1.63	1.66
575D6	1.89	275	1.66	1.69
575D6	2.1	220	1.68	1.70
575D6	2.31	160	1.70	1.72
575D4	1.89	990	1.42	1.40
575D4	2.1	920	1.46	1.44
575D4	2.31	840	1.47	1.45
575D4	2.52	770	1.48	1.47
575D4	2.73	670	1.47	1.46
575D4	2.94	600	1.51	1.50
575D4	3.15	495	1.50	1.49
575D4	3.36	405	1.51	1.50
575D4	3.57	290	1.46	1.45

CUS 675 FEI

Model	Flow rate (m3/s)	SP (Pa)	Regulated	Unregulated
675D8	1.65	365	1.53	1.62
675D8	1.98	320	1.62	1.71
675D8	2.31	275	1.70	1.79
675D8	2.64	220	1.42	1.49
675D8	2.97	155	1.36	1.43
675D8	3.3	90	1.50	1.58
675D6	1.98	685	1.34	1.39
675D6	2.31	630	1.44	1.51
675D6	2.64	575	1.50	1.58
675D6	2.97	520	1.61	1.62
675D6	3.3	430	1.60	1.61
675D6	3.63	360	1.65	1.66
675D6	3.96	290	1.73	1.74
675D6	4.29	180	1.70	1.71

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Fans Energy Index Tables - CUS

CUS 750 FEI

Model	Flow rate (m3/s)	SP (Pa)	Regulated	Unregulated
750D8	1.95	480	1.43	1.50
750D8	2.34	440	1.51	1.59
750D8	2.73	395	1.55	1.64
750D8	3.12	355	1.59	1.69
750D8	3.51	280	1.56	1.67
750D8	3.9	220	1.64	1.75
750D8	4.29	160	1.71	1.83
750-6P	2.34	680	1.26	1.27
750-6P	2.73	640	1.37	1.38
750-6P	3.12	590	1.42	1.43
750-6P	3.51	535	1.46	1.47
750-6P	3.9	480	1.54	1.56
750-6P	4.29	390	1.52	1.54
750-6P	4.68	330	1.60	1.63
750-6P	5.07	240	1.62	1.64

CUS - 900 FEI

Model	Flow rate (m3/s)	SP (Pa)	Regulated	Unregulated
900D8	3.6	525	1.40	1.46
900D8	4.05	455	1.40	1.47
900D8	4.5	400	1.40	1.46
900D8	4.95	345	1.45	1.52
900D8	5.4	265	1.41	1.48
900D8	5.85	200	1.43	1.50
900D8	6.3	135	1.44	1.52

CUS -1000 FEI

Model	Flow rate (m3/s)	SP (Pa)	Regulated	Unregulated
1000D8	4.73	825.00	1.27	1.30
1000D8	5.40	770.00	1.33	1.36
1000D8	6.08	695.00	1.40	1.43
1000D8	6.75	610.00	1.44	1.47
1000D8	7.34	545.00	1.48	1.52
1000D8	8.10	465.00	1.55	1.59
1000D8	8.78	385.00	1.57	1.61
1000D8	9.45	280.00	1.58	1.63
1000D8	10.13	200.00	1.63	1.68
1000D8	10.80	115.00	1.68	1.73

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CUS-300

			SOUND POWER									
			OCTAVE BANOS									
RPM	Pa	Volume	1	2	3	4	5	6	7	8	LWiA	dB(A)
800	0	1061	55	58	57	60	59	59	49	39	64	52
	31	853	55	58	55	60	59	59	49	39	64	52
	58	635	56	56	53	60	59	59	49	39	64	52
	80	388	56	56	53	59	59	59	49	39	64	52
960	0	1273	61	62	63	64	63	64	56	46	69	57
	44	1024	63	62	62	63	63	64	56	46	68	57
	84	762	64	61	60	63	63	64	56	46	68	57
	115	465	64	61	60	62	63	64	56	46	68	57
1022	0	1355	64	64	66	65	65	65	58	48	70	59
	50	1090	66	64	65	65	65	65	58	48	70	58
	95	811	67	63	63	64	65	65	58	48	70	58
	131	495	67	63	63	63	64	65	58	48	70	58
1133	0	1503	68	66	69	68	67	67	62	52	73	61
	61	1208	71	66	69	67	67	67	62	52	72	61
	117	900	72	66	67	66	67	67	62	52	72	61
	160	549	72	66	67	65	67	67	62	52	72	61
1244	0	1650	72	69	73	70	70	69	65	55	75	63
	74	1327	76	69	73	68	70	69	65	55	75	63
	141	988	76	69	71	67	70	69	65	55	75	63
	193	603	76	69	71	67	69	69	65	55	74	63
1355	0	1797	76	71	74	71	72	71	69	59	77	66
	88	1445	80	71	74	70	72	71	69	59	77	65
	168	1076	80	72	72	69	72	71	69	59	77	65
	229	657	80	72	72	68	71	71	69	59	76	65
1450	0	1923	78	73	76	73	74	72	71	61	79	67
	100	1547	83	73	76	71	74	72	71	61	79	67
	192	1151	84	74	74	70	74	72	71	61	78	67
	263	703	83	74	74	70	73	72	71	61	78	67
1577	0	2091	82	75	77	75	76	74	74	64	81	69
	119	1682	87	75	77	73	76	74	74	64	81	69
	227	1252	87	76	75	71	76	74	74	64	81	69
	311	764	87	76	75	71	75	74	74	64	80	69
1688	0	2239	84	77	78	77	77	75	76	67	83	71
	136	1800	90	77	78	75	77	75	76	67	83	71
	260	1340	90	79	76	73	77	75	76	67	82	71
	356	818	89	79	76	73	76	75	76	67	82	71
1799	0	2386	85	79	80	79	79	77	78	69	84	73
	154	1919	91	80	80	77	78	77	78	69	84	73
	296	1428	91	82	78	75	78	77	78	69	84	72
	404	872	90	82	78	75	77	77	78	69	84	72
1910	0	2533	86	82	81	81	80	78	79	71	86	74
	174	2037	92	83	81	80	80	78	79	71	86	74
	333	1517	92	84	80	78	79	78	79	71	85	74
	456	926	91	84	80	78	78	78	79	71	85	74
2021	0	2680	87	84	83	83	81	80	80	73	87	76
	195	2156	93	86	83	82	81	80	80	73	87	76
	373	1605	93	87	82	80	80	80	80	73	87	75
	510	979	92	87	82	80	79	80	80	73	86	75
2132	0	2827	88	86	84	85	82	81	81	75	89	77
	217	2274	94	88	84	84	82	81	81	75	88	77
	415	1693	94	90	84	82	81	81	81	75	88	77
	568	1033	93	89	84	82	80	81	81	75	88	76
2243	0	2975	89	88	86	87	84	83	82	77	90	79
	240	2392	95	91	86	87	83	83	82	77	90	78
	460	1781	95	92	85	85	82	83	82	77	89	78
	629	1087	94	92	85	85	81	82	82	77	89	78
2354	0	3122	90	90	87	89	85	84	83	79	91	80
	264	2511	96	93	87	89	84	84	83	79	91	80
	506	1869	96	94	87	87	83	84	83	79	91	79
	692	1141	95	94	87	87	82	83	83	79	90	79
2465	0	3269	91	92	88	91	86	85	84	80	93	81
	290	2629	97	96	88	90	85	85	84	80	93	81
	555	1957	97	96	88	88	83	85	84	80	92	81
	759	1195	96	96	88	88	83	84	84	80	92	80
2576	0	3416	92	94	89	92	87	86	85	82	94	82
	316	2748	98	98	89	92	85	86	85	82	94	82
	606	2045	98	98	90	90	84	86	85	82	93	82
	829	1248	97	98	90	90	84	85	85	82	93	81
2687	0	3564	92	96	90	92	88	87	86	83	95	83
	344	2866	98	100	90	92	86	87	86	83	95	83
	660	2133	98	100	91	90	85	87	86	83	94	83
	902	1302	97	100	91	90	84	86	86	83	94	82
2798	0	3711	93	97	91	93	88	88	87	85	96	84
	373	2984	99	102	91	93	87	88	87	85	96	84
	715	2222	99	102	92	91	85	88	87	85	95	84
	978	1356	98	102	92	91	85	87	87	85	95	83
2900	0	3846	94	99	92	94	89	89	87	86	97	85
	401	3093	100	104	92	94	88	89	87	86	97	85
	768	2303	100	104	93	92	86	89	87	86	96	85
	1051	1405	99	103	93	92	86	88	87	86	96	84

CUS-425

			SOUND POWER									
			OCTAVE BANOS									
RPM	Pa	Volume	1	2	3	4	5	6	7	8	LWiA	dB(A)
680	0	2643	64	68	66	67	67	64	55	45	71	59
	45	2125	64	68	65	67	67	64	55	45	71	59
	87	1582	65	67	63	67	67	64	55	45	71	59
	118	966	65	66	63	67	67	64	55	45	70	59
720	0	2798	66	69	67	69	68	67	57	47	72	61
	51	2250	66	69	66	69	68	67	57	47	72	61
	97	1675	67	68	64	69	68	67	57	47	72	61
	133	1022	67	67	64	68	68	67	57	47	72	61
808	0	3140	69	71	70	72	70	71	61	51	76	64
	64	2525	69	71	68	72	70	71	61	51	75	64
	122	1880	70	70	66	72	70	71	61	51	75	64
	167	1147	70	69	66	71	70	71	61	51	75	64
872	0	3389	71	73	72	74	72	73	64	54	78	66
	74	2725	71	73	71	73	72	73	64	54	77	66
	142	2029	73	71	69	73	72	73	64	54	77	66
	195	1238	73	71	69	72	72	73	64	54	77	66
960	0	3731	75	76	76	76	74	75	67	57	80	68
	90	3000	76	76	75	75	74	75	67	57	80	68
	172	2233	78	74	73	75	74	75	67	57	80	68
	236	1363	78	74	73	74	74	75	67	57	79	68
1000	0	3886	77	77	77	77	75	76	68	58	81	69
	98	3125	78	77	77	76	75	76	68	58	81	69
	187	2327	80	76	74	75	75	76	68	58	80	69
	256	1420	80	76	74	75	75	76	68	58	80	69
1064	0	4135	79	78	80	78	77	77	71	61	82	71
	111	3325	81	78	79	77	77	77	71	61	82	71
	212	2475	83	78	77	77	77	77	71	61	82	70
	290	1511	82	78	77	76	77	77	71	61	82	70
1128	0	4383	82	80	82	79	78	78	73	63	84	72
	124	3525	84	80	81	78	78	78	73	63	84	72
	238	2624	85	79	79	77	78	78	73	63	83	72
	326	1602	85	79	79	77	78	78	73	63	83	72
1192	0	4632	84	81	84	80	80	79	75	65	85	74
	139	3725	87	81	84	79	80	79	75	65	85	74
	266	2773	88	81	82	78	80	79	75	65	85	73
	364	1693	88	81	82	78	79	79	75	65	85	73
1256	0	4881	86	82	86	82	81	80	77	67	87	75
	154	3925	90	82	86	80	81	80	77	67	86	75
	295	2922	90	83	84	79	81	80	77	67	86	75
	404	1784	90	83	84	79	81	80	77	67	86	74
1320	0	5130	88	84	87	83	82	81	79	69	88	76
	170	4125	92	84	87	81	82	81	79	69	88	76
	326	3071	93	84	85	80	82	81	79	69	87	76
	446	1874	92	84	85	80	82	81	79	69	87	76
1384	0	5378	90	85	87	84	84	82	80	70	89	77
	187	4325	94	85	87	82	84	82	80	70	89	77
	358	3220	95	86	86	81	84	82	80	70	88	77
	490	1965	94	86	85	81	83	82	80	70	88	77
1450	0	5635	92	86	88	85	85	83	82	72	90	79
	205	4532	97	86	88	83	85	83	82	72	90	78
	393	3373	97	87	86	82	85	83	82	72	90	78
	538	2059	96	87	86	81	84	83	82	72	89	78
1512	0	5876	94	87	89	86	86	84	83	73	91	80
	223	4725	99	87	89	84	86	84	83	73	91	80
	428	3518	99	88	87	82	86	84	83	73	91	79
	585	2147	98	88	87	82	85	84	83	73	90	79
1576	0	6124	95	88	90	87	87	85	85	75	92	81
	242	4925	101	88	90	85	87	85	85	75	92	81
	465	3667	101	90	88	83	87	85	85	75	92	80
	636	2238	100	90	88	83	86	85	85	75	92	80
1640	0	6373	97	89	90	87	88	86	86	76	93	82
	263	5126	103	89	90	86	88	86	86	76	93	82
	503	3816	103	91	88	84	88	86	86	76	93	81
	688	2329	102	91	88	83	87	86	86	76	93	81
1704	0	6622	98	90	91	89	89	87	87	78	94	83
	283	5326	104	91	91	87	89	87	87	78	94	83
	543	3964	104	92	89	85	89	87	87	78	94	82
	743	2420	103	92	89	85	88	87	87	78	94	82
1768	0	6871	99	92	92	90	90	88	88	79	95	84
	305	5526	105	92	92	88	89	88	88	79	95	84
	585	4113	105	94	91	86	89	88	88	79	95	83
	800	2511	104	94	91	86	88	87	88	79	94	83
1832	0	7119	99	93	93	91	90	88	89	80	96	85
	328	5726	105	94	93	90	90	88	89	80	96	84
	628	4262	105	96	92	88	90	88	89	80	96	84
	859	2601	104	96	92	88	89	88	89	80	95	84
1900	0	7383	100	95	94	93	91	89	90	82	97	86
	352	5938	106	96	94	91	91	89	90	82	97	85
	675	4420	106	98	93	89	90	89	90	82	96	85
	924	2698	105	97	93	89	90	89	90	82	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.

Sound Data

CUS-500

			SOUND POWER									
			OCTAVE BANOS									
RPM	Pa	Volume	1	2	3	4	5	6	7	8	LWiA	dB(A)
500	0	3164	63	65	65	65	65	58	48	38	68	57
	34	2545	63	64	64	65	65	58	48	38	68	56
	65	1894	62	62	64	65	65	58	48	38	68	56
	89	1156	62	62	63	65	65	58	48	38	68	56
558	0	3531	65	69	67	68	67	62	52	42	71	59
	42	2840	65	68	67	68	67	62	52	42	71	59
	81	2114	65	66	66	68	67	62	52	42	71	59
	110	1290	65	66	65	67	67	62	52	42	70	59
616	0	3898	68	72	70	70	70	66	56	46	73	62
	51	3135	68	72	68	70	70	66	56	46	73	62
	98	2334	68	70	67	70	70	66	56	46	73	62
	134	1424	68	70	67	70	70	66	56	46	73	61
674	0	4265	70	74	72	72	71	69	59	49	76	64
	61	3430	70	74	70	72	71	69	59	49	76	64
	118	2553	71	72	69	72	71	69	59	49	75	64
	161	1558	71	72	68	72	71	69	59	49	75	64
720	0	4556	72	75	73	74	73	72	62	52	77	66
	70	3664	72	75	71	74	73	72	62	52	77	66
	134	2728	73	73	70	74	73	72	62	52	77	66
	184	1665	73	73	70	73	73	72	62	52	77	66
790	0	4999	74	77	75	76	75	75	65	55	80	68
	84	4020	74	77	73	76	75	75	65	55	80	68
	162	2993	76	75	71	76	75	75	65	55	80	68
	221	1827	76	75	71	76	75	75	65	55	80	68
848	0	5366	76	78	77	78	76	77	67	57	82	70
	97	4316	76	78	75	78	76	77	67	57	82	70
	186	3213	78	77	73	78	76	77	67	57	82	70
	255	1961	78	76	73	77	76	77	67	57	82	70
906	0	5733	79	80	79	80	78	79	70	60	83	72
	111	4611	80	80	78	79	78	79	70	60	83	72
	213	3432	81	79	76	79	78	79	70	60	83	72
	291	2095	81	79	76	78	78	79	70	60	83	72
960	0	6075	81	82	81	81	79	80	72	62	85	73
	125	4885	82	82	80	80	79	80	72	62	85	73
	239	3637	84	80	78	80	79	80	72	62	85	73
	326	2220	84	80	78	79	79	80	72	62	84	73
1022	0	6467	84	83	84	82	81	81	74	64	86	75
	141	5201	86	83	83	82	81	81	74	64	86	75
	270	3872	87	82	81	81	81	81	74	64	86	75
	370	2363	87	82	81	80	81	81	74	64	86	74
1080	0	6834	86	84	86	83	82	82	76	66	88	76
	158	5496	88	84	85	83	82	82	76	66	88	76
	302	4091	90	84	83	82	82	82	76	66	87	76
	413	2497	89	84	83	81	82	82	76	66	87	76
1138	0	7201	88	86	88	85	84	83	78	68	89	78
	175	5791	91	86	87	84	84	83	78	68	89	77
	335	4311	92	86	85	83	84	83	78	68	89	77
	459	2631	92	86	85	82	83	83	78	68	88	77
1196	0	7568	90	87	90	86	85	84	80	70	90	79
	193	6087	93	87	89	85	85	84	80	70	90	79
	370	4531	94	87	87	84	85	84	80	70	90	78
	507	2765	94	87	87	83	84	84	80	70	90	78
1254	0	7935	92	88	91	87	86	85	82	72	92	80
	212	6382	96	88	91	86	86	85	82	72	91	80
	407	4751	97	89	89	84	86	85	82	72	91	80
	557	2900	96	89	89	84	85	85	82	72	91	79
1312	0	8302	94	89	92	88	87	86	83	73	93	81
	233	6677	98	89	92	86	87	86	83	73	93	81
	446	4970	99	90	90	85	87	86	83	73	92	81
	610	3034	98	90	90	85	87	86	83	73	92	81
1370	0	8669	96	90	93	89	88	87	85	75	94	82
	254	6972	100	90	93	87	88	87	85	75	94	82
	486	5190	101	91	91	86	88	87	85	75	93	82
	665	3168	100	91	91	86	88	87	85	75	93	82
1450	0	9175	98	92	94	90	90	88	87	77	95	84
	284	7379	103	92	94	88	90	88	87	77	95	84
	544	5493	103	93	92	87	90	88	87	77	95	83
	745	3353	103	93	92	87	89	88	87	77	94	83
1486	0	9403	99	92	94	90	90	89	88	78	96	84
	298	7562	104	92	94	89	90	89	88	78	96	84
	572	5630	105	94	92	87	90	89	88	78	95	84
	782	3436	104	94	92	87	90	89	88	78	95	84
1544	0	9770	101	93	95	91	91	89	89	79	97	85
	322	7857	106	93	95	90	91	89	89	79	97	85
	617	5849	106	95	93	88	91	89	89	79	96	85
	844	3570	106	95	93	88	90	89	89	79	96	85
1600	0	10124	102	94	96	92	92	90	90	80	98	86
	346	8142	108	94	96	90	92	90	90	80	98	86
	663	6061	108	96	94	88	92	90	90	80	97	86
	907	3700	107	96	94	88	91	90	90	80	97	86

CUS-575

			SOUND POWER									
			OCTAVE BANOS									
RPM	Pa	Volume	1	2	3	4	5	6	7	8	LWiA	dB(A)
437	0	4116	62	63	64	64	59	55	46	37	65	53
	37	3381	60	62	63	63	58	50	41	31	63	52
	72	2494	58	61	62	63	56	47	38	28	62	51
	95	1664	58	61	62	62	56	47	35	23	62	50
490	0	4615	66	67	66	67	62	59	50	41	68	56
	47	3791	64	65	66	67	61	55	45	35	67	55
	90	2796	61	64	65	67	60	52	42	32	66	54
	119	1866	61	64	64	65	60	51	40	28	65	54
543	0	5114	69	69	69	70	65	62	53	44	71	59
	57	4201	67	67	68	70	64	58	48	38	70	58
	111	3099	64	66	67	70	63	55	45	35	69	58
	146	2068	64	66	67	68	63	55	44	32	68	57
596	0	5613	71	71	71	72	68	65	57	48	73	62
	69	4611	69	69	70	72	67	61	52	42	72	61
	133	3401	66	68	69	72	66	58	49	39	71	60
	176	2270	66	68	69	70	66	58	47	35	71	59
649	0	6112	73	73	74	74	70	67	60	51	75	64
	82	5021	71	71	72	74	70	64	55	45	74	63
	158	3704	69	70	71	73	69	61	52	42	73	62
	209	2471	69	70	71	72	68	61	51	39	73	61
720	0	6781	75	76	76	76	73	70	63	54	78	67
	101	5571	74	74	75	76	73	67	59	49	77	65
	195	4109	72	72	74	75	72	65	56	46	76	65
	257	2742	72	72	74	74	71	65	55	43	75	64
755	0	7110	77	77	78	77	75	71	65	56	79	68
	111	5841	76	75	76	77	74	68	60	50	78	67
	214	4309	73	74	75	76	74	66	57	47	77	66
	283	2875	73	74	75	75	73	66	56	45	77	65
808	0	7610	78	79	79	79	77	73	67	58	81	70
	127	6251	77	77	78	78	76	70	63	53	80	69
	245	4611	75	75	77	78	76	69	60	50	79	68
	324	3077	75	75	77	77	75	69	59	47	79	67
861	0	8109	80	81	81	80	79	74	69	60	83	71
	144	6661	79	79	79	79	78	72	65	55	82	70
	278	4914	77	77	78	79	78	71	62	52	81	70
	368	3279	77	77	78	78	77	71	61	50	80	69
914	0	8608	81	83	83	81	80	76	71	62	84	73
	163	7071	81	81	81	81	80	74	67	57	83	72
	313	5216	78	79	80	80	80	73	64	54	83	71
	414	3481	78	79	80	79	78	73	64	52	82	70
960	0	9041	82	85	84	83	82	77	73	64	86	74
	179	7427	82	83	82	82	82	76	69	59	85	73
	346	5479	80	80	81	81	81	74	66	56	84	73
	457	3656	80	80	81	81	80	74	66	54	83	72
1020	0	9606	84	86	86	84	84	79	75	66	87	76
	202	7892	84	84	84	83	83	77	71	61	87	75
	390	5821	82	82	83	82	83	76	68	58	86	74
	516	3884	82	82	83	82	82	76	68	56	85	74
1073	0	10105	85	88	87	85	85	80	77	68	89	77
	224	8302	85	86	85	84	85	79	73	63	88	76
	432	6124	83	83	84	83	85	78	70	60	87	76
	571	4086	83	83	84	83	83	78	70	58	86	75
1126	0	10604	86	89	88	86	86	81	78	70	90	78
	247	8712	86	87	86	85	86	80	74	65	89	78
	476	6426	84	84	85	84	86	80	72	62	89	77
	629	4288	84	84	85	84	84	79	72	60	88	76
1179	0	11103	87	90	89	88	87	83	79	71	91	80
	270	9122	87	89	87	86	87	82	76	66	90	79
	522	6729	85	86	86	85	87	81	73	63	90	78
	689	4490	85	86	86	85	85	81	73	62	89	77
1232	0	11603	87	91	89	89	88	84	81	73	92	81
	295	9532	87	90	87	87	88	83	77	68	91	80
	570	7031	85	87	86	86	88	82	75	65	91	79
	753	4691	85	87	86	86	86	82	75	64	90	78
1285	0	12102	88	92	90	90	89	85	82	74	93	82
	321	9942	88	91	88	89	89	85	78	70	92	81
	620	7333	86	88	87	88	88	84	76	67	92	80
	819	4893	86	88	87	88	87	83	76	65	91	79
1338	0	12601	89	93	92	91	90	86	83	76	94	83
	348	10352	89	92	90	90	90	86	80	71	93	82
	672	7636	87	89	88	89	89	85	77	68	93	81
	888	5095	87	89	88	89	88	85	77	67	92	80
1391	0	13100	90	94	93	92	91	88	84	77	95	84
	376	10762	90	93	91	91	90	87	81	72	94	83
	726	7938	88	90	89	90	90	86	79	69	94	82
	960	5297	88	90	89	90	89	86	79	68	93	81
1450	0	13656	90	95	94	93	92	89	85	78	96	85
	409	11218	90	94	92	92	91	88	82	74	95	84
	789	8275	88	92	91	91	91	88	80	71	95	83
	1043	5522	88	92	91	91	90	87	80	70	94	82

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

CUS-675

			SOUND POWER									
			OCTAVE BANOS									
RPM	Pa	Volume	1	2	3	4	5	6	7	8	LWiA	dB(A)
380	0	6473	65	67	67	66	62	56	47	38	67	55
	42	5318	63	65	67	65	59	52	42	32	66	54
	80	3923	62	64	66	65	58	49	39	29	65	53
	106	2617	62	64	66	64	57	48	37	25	64	52
426	0	7257	69	70	70	69	65	60	51	42	70	59
	52	5961	67	68	69	69	63	56	46	36	69	57
	101	4397	65	67	69	68	61	53	43	33	68	57
	134	2934	65	67	68	68	61	52	41	30	67	56
472	0	8040	72	73	72	72	67	63	55	45	73	61
	64	6605	70	71	71	72	66	60	50	40	72	60
	124	4872	68	70	71	72	65	57	47	37	71	60
	164	3251	67	70	70	71	65	56	45	34	70	59
518	0	8824	75	75	74	75	70	67	58	49	76	64
	77	7249	73	73	73	75	69	63	53	43	75	63
	149	5347	70	72	72	75	68	60	50	40	74	62
	198	3568	70	72	72	73	68	60	48	37	73	62
564	0	9607	77	77	76	77	72	69	61	52	78	66
	92	7893	75	75	75	77	71	66	56	46	77	65
	177	5822	73	74	74	77	71	63	53	43	76	65
	234	3885	72	74	74	76	70	63	52	40	76	64
610	0	10391	79	78	78	79	75	71	63	54	80	68
	107	8536	77	76	77	78	74	68	59	49	79	67
	207	6297	75	75	76	78	73	66	56	46	78	67
	274	4202	74	75	76	77	73	65	55	43	78	66
656	0	11175	81	80	80	80	77	73	66	57	82	70
	124	9180	79	78	79	80	76	70	62	52	81	69
	240	6772	77	77	78	80	75	68	59	49	80	69
	317	4518	76	77	78	79	75	68	57	46	79	68
720	0	12265	83	83	83	82	79	76	69	60	84	73
	150	10076	82	81	82	82	79	73	65	55	83	72
	289	7432	79	80	81	82	78	71	62	52	82	71
	382	4959	79	79	80	81	78	71	61	50	82	70
748	0	12742	84	84	84	83	81	77	70	61	85	74
	162	10468	83	82	83	83	80	74	66	56	84	73
	312	7721	81	81	82	82	80	72	63	53	83	72
	412	5152	80	80	81	82	79	72	62	51	83	71
794	0	13525	85	86	85	85	82	78	73	64	87	75
	182	11111	84	84	84	84	82	76	68	59	86	74
	351	8196	82	82	83	83	81	74	66	56	85	74
	464	5469	82	82	83	83	81	74	65	53	84	73
840	0	14309	87	88	87	86	84	80	75	66	88	77
	204	11755	86	86	85	85	84	78	70	61	87	76
	393	8671	84	84	85	85	83	76	68	58	87	75
	519	5786	83	84	84	84	82	76	67	55	86	75
886	0	15092	88	89	88	87	85	81	76	67	90	78
	227	12399	87	87	87	86	85	79	72	62	89	77
	437	9146	85	85	86	86	85	78	70	60	88	77
	578	6103	85	85	86	85	84	78	69	57	87	76
932	0	15876	89	91	90	88	87	82	78	69	91	80
	251	13042	89	89	88	87	87	81	74	64	90	79
	484	9621	87	87	87	87	87	80	71	61	90	78
	640	6419	86	86	87	86	86	79	71	59	89	77
960	0	16353	90	92	91	89	88	83	79	70	92	80
	266	13434	89	90	89	88	88	82	75	65	91	80
	513	9910	88	87	88	87	88	81	72	62	90	79
	679	6612	87	87	88	87	86	80	72	61	90	78
1024	0	17443	91	94	92	90	90	85	81	72	94	82
	303	14330	91	92	91	89	90	84	78	68	93	81
	584	10570	89	89	90	88	90	83	75	65	92	81
	772	7053	89	89	89	88	88	82	74	63	92	80
1070	0	18227	92	95	93	91	91	86	83	74	95	83
	331	14974	92	93	92	90	91	85	79	69	94	83
	638	11045	91	90	91	89	91	84	76	66	94	82
	843	7370	90	90	91	89	90	84	76	65	93	81
1116	0	19010	93	96	94	92	92	87	84	75	96	84
	360	15617	93	94	92	91	92	86	80	71	95	84
	694	11520	91	92	91	90	92	85	78	68	95	83
	917	7687	91	91	91	90	91	85	77	66	94	82
1162	0	19794	94	97	95	93	93	88	85	77	97	85
	390	16261	94	95	93	92	93	88	82	72	96	85
	752	11995	92	93	92	91	93	87	79	69	95	84
	994	8004	92	92	92	91	92	86	79	68	95	83
1208	0	20578	94	98	96	94	94	89	86	78	98	86
	421	16905	94	96	94	93	94	89	83	74	97	85
	813	12470	93	94	93	92	93	88	80	71	96	85
	1074	8320	92	93	93	92	92	88	80	69	96	84
1250	0	21293	95	99	96	95	94	90	87	79	99	87
	451	17493	95	97	94	94	94	90	84	75	98	86
	870	12903	93	95	93	93	94	89	81	72	97	86
	1150	8610	93	94	93	93	93	89	81	71	97	85

CUS-750

			SOUND POWER									
			OCTAVE BANOS									
RPM	Pa	Volume	1	2	3	4	5	6	7	8	LWiA	dB(A)
330	0	7711	65	67	68	65	61	54	45	36	66	55
	39	6335	63	65	67	64	58	50	40	30	65	53
	75	4673	62	65	67	64	56	47	37	27	64	52
	99	3118	62	64	66	63	56	46	34	23	63	52
368	0	8599	68	70	70	68	64	58	49	40	69	58
	48	7064	66	68	70	68	62	54	44	34	68	56
	93	5211	65	67	69	67	60	51	41	31	67	55
	123	3477	65	67	68	66	59	50	39	27	66	55
406	0	9487	71	72	72	71	67	61	52	43	72	60
	59	7794	69	71	72	71	65	57	47	38	71	59
	113	5749	67	70	71	70	63	55	45	35	70	58
	150	3836	67	70	71	69	63	54	42	31	69	58
444	0	10375	74	75	74	74	69	65	56	47	74	63
	70	8523	72	73	74	73	67	61	51	41	73	62
	136	6287	70	72	73	73	66	58	48	38	73	61
	179	4195	70	72	72	72	66	57	46	34	72	60
482	0	11263	76	77	76	76	71	67	58	49	77	65
	83	9253	75	75	75	76	70	64	54	44	76	64
	160	6825	72	74	74	76	69	61	51	41	75	64
	211	4554	72	74	74	75	68	60	49	38	74	63
520	0	12151	79	79	78	78	73	70	61	52	79	67
	96	9982	77	77	77	78	72	66	56	46	78	67
	186	7363	74	76	76	78	71	63	53	43	77	66
	246	4913	74	76	76	77	71	63	51	40	76	65
558	0	13039	81	80	79	80	75	72	64	55	81	69
	111	10712	79	79	78	80	74	69	59	49	80	68
	214	7901	76	78	78	80	73	66	56	46	79	68
	283	5272	76	77	77	79	73	65	54	43	79	67
596	0	13927	82	82	81	81	77	74	66	57	83	71
	127	11441	81	80	80	81	76	71	61	51	82	70
	244	8439	78	79	79	81	76	68	58	48	81	69
	323	5631	78	79	79	80	75	68	57	46	80	69
634	0	14815	84	83	83	83	79	75	68	59	84	73
	143	12170	82	81	82	83	78	72	64	54	83	72
	276	8977	80	80	81	82	78	70	61	51	82	71
	365	5990	79	80	81	81	77	70	59	48	82	70
672	0	15703	85	85	84	84	81	77	70	61	86	74
	161	12900	84	83	83	84	80	74	66	56	85	73
	311	9515	81	81	82	83	79	72	63	53	84	72
	410	6349	81	81	82	83	79	72	61	50	83	72
720	0	16824	87	87	86	86	83	79	72	63	87	76
	185	13821	86	85	85	85	82	76	68	58	86	75
	356	10195	83	83	84	85	82	74	65	55	86	74
	471	6803	83	83	84	84	81	74	64	53	85	74
748	0	17478	88	88	87	86	84	80	74	65	88	77
	200	14359	87	86	86	86	83	77	69	60	88	76
	385	10592	84	84	85	86	83	76	67	57	87	75
	509	7067	84	84	85	85	82	75	66	54	86	75
786	0	18366	89	89	89	88	85	81	75	66	90	78
	220	15088	88	87	87	87	85	79	71	61	89	77
	425	11130	86	86	86	87	84	77	68	58	88	77
	562	7426	86	85	86	86	84	77	67	56	88	76
824	0	19254	90	91	90	89	87	82	77	68	91	80
	242	15818	89	89	88	88	86	80	73	63	90	79
	467	11668	87	87	87	87	86	79	70	60	89	78
	617	7785	87	87	87	87	85	78	69	58	89	77
862	0	20142	91	92	91	90	88	84	79	70	92	81
	265	16547	90	90	90	89	88	82	75	65	91	80
	511	12206	88	88	89	88	87	80	72	62	91	79
	675	8144	88	88	88	88	86	80	71	60	90	79
900	0	21030	92	93	92	91	89	85	80	71	93	82
	289	17277	92	92	91	90	89	83	76	66	93	81
	557	12744	90	89	90	89	89	82	73	63	92	80
	736	8503	89	89	90	89	88	81	73	61	91	80
938	0	21918	93	95	93	92	90	86	82	73	95	83
	314	18006	93	93	92	91	90	84	78	68	94	82
	605	13282	91	91	91	90	90	83	75	65	93	82
	800	8862	91	90	91	90	89	83	74	63	92	81
960	0	22432	94	95	94	92	91	86	82	73	95	84
	329	18428	93	94	92	91	91	85	78	69	94	83
	634	13594	92	91	91	90	91	84	76	66	94	82
	838	9070	91	91	91	90	90	84	75	64	93	82
1014	0	23694	95	97	96	93	93	88	84	75	97	85
	367	19465	95	95	94	92	93	87	80	71	96	84
	707	14358	93	93	93	92	92	86	78	68	95	84
	935	9581	93	92	93	91	91	85	77	66	95	83
1050	0	24535	96	98	96	94	94	89	85	76	98	86
	393	20156	96	96	95	93	94	88	82	72	97	85
	758	14868	94	94	94	92	94	87	79	69	96	85
	1002	9921	94	93	93	92	92	87	78	67	96	84

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

CUS-900

			SOUND POWER									
			OCTAVE BANOS									
RPM	Pa	Volume	1	2	3	4	5	6	7	8	LWiA	dB(A)
270	0	8837	67	65	63	62	58	52	45	38	63	52
	29	7287	64	62	60	59	55	48	40	32	60	48
	63	5156	61	59	57	56	51	43	36	29	56	45
	84	2831	61	60	58	55	50	42	35	28	56	45
302	0	9885	71	68	66	65	61	56	49	42	66	55
	36	8150	68	65	63	62	58	52	44	36	63	52
	79	5767	65	62	60	59	55	47	40	33	60	48
	105	3166	65	63	61	58	54	46	39	32	59	48
334	0	10932	73	71	69	67	64	59	52	45	69	58
	44	9014	70	68	66	64	61	55	47	39	66	54
	97	6378	67	64	63	61	58	50	43	36	63	51
	129	3502	67	65	64	61	57	49	42	35	62	51
366	0	11980	75	74	71	70	67	62	55	48	72	60
	53	9877	72	71	68	67	64	58	50	42	68	57
	117	6989	69	67	65	64	61	53	46	39	65	54
	155	3837	69	68	66	64	60	52	45	38	65	53
398	0	13027	78	77	74	72	69	64	58	51	74	62
	62	10741	75	74	71	69	66	61	53	45	71	59
	138	7600	72	70	67	66	63	56	49	42	67	56
	183	4173	72	71	68	66	62	55	48	41	67	56
430	0	14074	80	79	76	74	71	67	60	53	76	64
	73	11605	77	76	73	71	68	63	55	47	73	61
	161	8211	75	72	69	68	65	58	51	44	70	58
	213	4508	75	73	70	68	64	57	50	43	69	58
462	0	15122	82	81	78	75	73	69	62	55	78	66
	84	12468	80	78	75	72	70	65	58	50	75	63
	186	8822	77	75	71	69	67	61	53	46	71	60
	246	4844	77	75	72	70	66	60	52	45	71	60
494	0	16169	84	83	80	77	75	71	65	58	80	68
	96	13332	82	80	77	74	72	67	60	52	77	65
	212	9433	79	77	73	71	69	63	56	49	73	62
	282	5179	79	77	74	72	68	62	55	48	73	62
526	0	17216	86	85	82	79	76	72	67	60	81	70
	108	14195	84	82	79	76	73	69	62	54	78	67
	241	10044	81	79	75	73	70	65	58	51	75	64
	319	5515	81	79	76	73	70	64	57	50	75	64
558	0	18264	87	87	83	80	78	74	68	61	83	72
	122	15059	86	84	80	77	75	71	64	56	80	68
	271	10655	83	81	77	74	72	67	59	52	77	65
	359	5850	83	81	78	75	71	66	58	51	77	65
590	0	19311	89	89	85	82	79	76	70	63	85	73
	136	15922	87	86	82	79	76	73	66	58	81	70
	303	11266	85	83	78	76	73	69	61	54	78	67
	402	6186	85	83	79	76	73	68	60	53	78	67
622	0	20359	90	91	86	83	81	77	72	65	86	75
	152	16786	89	88	83	80	78	74	68	60	83	71
	337	11877	87	85	80	77	75	71	63	56	80	68
	447	6521	87	85	81	78	74	70	62	55	80	68
654	0	21406	92	92	88	84	82	79	74	67	87	76
	168	17650	91	89	85	81	79	76	69	61	84	73
	372	12488	88	86	81	78	76	72	65	58	81	70
	494	6857	88	86	82	79	76	71	64	57	81	70
686	0	22453	93	92	89	85	83	80	75	68	89	77
	185	18513	92	89	86	82	80	77	71	63	86	74
	410	13099	90	86	82	79	77	74	66	59	82	71
	543	7192	90	86	83	80	77	73	65	58	83	71
720	0	23566	94	94	91	87	84	81	77	70	90	78
	203	19431	93	91	88	84	81	78	73	65	87	75
	451	13748	91	88	84	80	78	75	68	61	84	72
	598	7549	91	88	85	81	78	75	67	60	84	72
750	0	24548	95	95	92	88	85	83	78	71	91	80
	221	20240	94	92	89	85	82	80	74	66	88	76
	490	14321	92	89	85	82	79	77	69	62	85	73
	649	7863	92	89	86	83	80	76	68	61	85	74
782	0	25596	96	96	93	89	86	84	79	72	92	81
	240	21104	95	93	90	86	83	81	75	67	89	78
	532	14932	93	90	86	83	81	78	70	63	86	74
	706	8199	93	90	87	84	81	77	69	62	86	75
814	0	26643	96	97	94	90	87	85	80	73	93	82
	260	21968	95	94	91	87	84	82	76	69	90	79
	577	15543	93	92	88	84	81	79	72	64	87	76
	765	8534	93	92	88	85	82	78	71	63	87	76
846	0	27690	97	98	96	91	88	86	81	75	94	83
	281	22831	96	96	93	88	85	83	77	70	91	80
	623	16154	94	93	89	85	82	80	73	66	88	77
	826	8870	94	93	90	86	83	79	72	65	88	77
880	0	28803	98	99	97	92	89	87	82	76	95	84
	304	23749	97	97	94	89	86	84	79	71	92	81
	674	16803	95	94	90	86	83	81	74	67	89	78
	894	9226	95	94	91	87	84	80	73	66	90	78

CUS-1000

			SOUND POWER									
			OCTAVE BANOS									
RPM	Pa	Volume	1	2	3	4	5	6	7	8	LWiA	dB(A)
245	0	13058	70	68	66	64	60	54	47	40	66	54
	33	10766	67	65	63	61	57	50	42	34	62	51
	72	7618	64	62	60	58	53	45	38	31	59	47
	96	4183	64	63	61	58	52	44	37	30	58	47
274	0	14603	74	71	69	67	63	58	51	44	69	57
	41	12041	71	68	66	64	60	53	45	37	65	54
	90	8519	68	65	63	61	56	49	42	35	62	50
	120	4678	68	66	64	61	55	48	41	34	62	50
303	0	16149	77	74	71	70	66	61	54	47	71	60
	50	13315	74	71	68	67	63	57	49	41	68	57
	111	9421	71	67	65	64	60	52	45	38	65	53
	147	5173	71	68	66	64	59	51	44	37	65	53
332	0	17695	79	77	74	72	69	64	57	50	74	62
	60	14589	76	74	71	69	66	60	52	44	71	59
	133	10323	73	70	68	66	63	55	48	41	67	56
	176	5668	73	71	69	66	62	54	47	40	67	56
361	0	19240	81	79	76	74	71	66	60	53	76	65
	71	15864	78	76	73	71	68	63	55	47	73	62
	157	11224	75	72	70	68	65	58	51	44	70	58
	208	6163	75	73	71	68	64	57	50	43	70	58
390	0	20786	83	82	78	76	73	69	62	55	78	67
	83	17138	80	79	75	73	70	65	57	49	75	64
	183	12126	77	75	72	70	67	60	53	46	72	60
	243	6658	77	76	73	70	67	59	52	45	72	60
419	0	22331	85	84	80	78	75	71	64	57	80	69
	95	18413	82	81	77	75	72	67	60	52	77	66
	211	13028	80	77	74	72	69	63	55	48	74	62
	280	7153	80	78	75	72	68	62	54	47	74	62
448	0	23877	87	86	82	80	77	73	66	59	82	71
	109	19687	85	83	79	77	74	69	62	54	79	67
	242	13930	82	79	76	74	71	65	57	50	76	64
	321	7648	82	80	77	74	70	64	56	49	76	64
477	0	25423	89	88	84	81	79	75	68	61	84	72
	123	20961	87	85	81	78	76	71	64	56	81	69
	274	14831	84	82	77	75	73	67	59	52	77	66
	364	8143	84	82	78	76	72	66	58	51	77	66
506	0	26968	90	90	86	83	80	76	70	63	85	74
	139	22236	88	87	83	80	77	73	66	58	82	71
	308	15733	86	83	79	77	74	69	61	54	79	68
	409	8638	86	84	80	77	74	68	60	53	79	68
535	0	28514	92	92	87	84	82	78	72	65	87	75
	155	23510	90	89	84	81	79	74	68	60	84	72
	345	16635	88	85	81	78	76	71	63	56	81	69
	457	9133	88	86	82	79	75	70	62	55	81	69
564	0	30059	93	93	89	85	83	79	74	67	88	77
	173	24785	92	90	86	82	80	76	69	61	85	74
	383	17536	89	87	82	79	77	72	65	58	82	71
	508	9629	89	87	83	80	77	71	64	57	82	71
593	0	31605	95	95	90	87	84	81	75	68	90	78
	191	26059	93	92	87	84	81	78	71	63	87	75
	424	18438	91	89	83	81	78	74	66	59	83	72
	562	10124	91	89	84	81	78	73	65	58	84	72
622	0	33151	96	96	92	88	86	82	77	70	91	80
	210	27333	95	93	89	85	83	79	73	65	88	77
	466	19340	93	90	85	82	80	76	68	61	85	73
	618	10619	93	90	86	83	79	75	67	60	85	73
651	0	34696	98	97	93	89	87	84	78	71	92	81
	230	28608	96	94	90	86	84	80	74	66	89	78
	510	20241	94	91	86	83	81	77	69	62	86	74
	677	11114	94	91	87	84	81	76	68	61	86	75
680	0	36242	99	98	94	90	88	85	80	73	93	82
	251	29882	98	95	91	87	85	82	76	68	90	79
	557	21143	96	92	87	84	82	79	71	64	87	76
	739	11609	96	92	88	85	82	78	70	63	87	76
720	0	38374	100	99	96	92	89	86	81	75	95	83
	281	31640	99	96	93	89	86	83	77	70	92	80
	624	22387	97	93	89	86	83	80	73	66	89	77
	828	12292	97	93	90	87	83	79	72	65	89	77
738	0	39333	101	100	97	92	90	87	82	75	96	84
	296	32431	100	97	94	89	87	84	78	70	93	81
	656	22946	98	94	90	86	84	81	73	66	89	78
	870	12599	98	94	91	87	84	80	72	65	90	78
767	0	40879	101	101	98	93	91	88	83	77	97	85
	319	33705	100	98	95	90	88	85	79	72	94	82
	709	23848	98	95	91	87	85	82	75	68	90	79
	940	13094	98	95	92	88	85	81	74	67	91	79
800	0	42638	102	102	99	95	92	89	85	78	98	86
	347	35155	101	99	96	92	89	86	81	73	95	83
	771	24874	99	97	92	88	86	83	76	69	92	80
	1023	13658	99	97	93	89	86	82	75	68	92	80

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.

Product Specification

Section1: Quality Standards

The SWSI centrifugal fans shall be tested and certified in accordance with AMCA Standard 210 & 300. AMCA Seal for Sound and Air Performance shall be tagged on each fan before leaving the factory. The manufacturer shall be certified by ISO 9001:2000.

Section 2: Fan Type

The fan shall be direct or belt drive type, with an aluminum backward inclined centrifugal wheel. The inlet cone shall have a curved section to ensure smooth air movement. Each wheel shall be statically and dynamically balanced up to grade G 2.5 as per ISO 1940.

Section 3: Housing Material

The fan housing shall be constructed of steel. It shall be thick and strong enough to support the drive mechanism and motor. The scroll shall be continuously welded. The fan surface shall go through the processes of alkaline wash and Parkerizing and be finished with electrostatic epoxy coatings in black or other colors specified by customers.

Section 4: Drive Mechanism (For belt drive type only)

Shaft: The shaft shall be heat treated through homogenizing furnace to the hardness level of HB370, and hard film shall be applied on the surface to avoid corrosion. It shall also be dynamically tested together with the wheel. The design speed of the shaft shall be at least 25% more than the maximum running speed of the fan.
Pulleys: Fan pulleys shall be sized for a minimum of 150% of the driving power. Pulleys shall be cast iron, keyed and securely attached to the wheel and motor shaft. Pulleys shall also be adjustable on the jobsite. Conical type bushings shall be equipped for easy removal of the pulleys.
Bearings: Two bearings shall be used to support the fan shaft to avoid vibrations directly coming onto the motor. The bearing L10 rating life shall be 50, 000 hours at the maximum operating speed specified in the catalog. The bearing shall be of permanently sealed type and metal pillow block ball bearing that can be lubricated.
Drive Support: Drive mechanism shall be supported by heavy gauge steel sheet finished with powder coatings to avoid corrosion. The belt tension can be adjusted through the adjusting bolt at the motor base. The design shall make sure the fan shaft and motor shaft is always parallel.
Protections: Standard belt drive CUS fans that include a shaft/bearing guard and belt guard are for indoor installation. For outdoor installation, there shall be a rain cover that offers total protection for the motor and other driving parts.

Section5: Motor

The motor shall be carefully matched to the fan load. It shall be IP55 rated with Class F Insulation. The motor bearing shall be of ball type that can be lubricated. Out of the air stream shall the motor and drive mechanism be located to avoid grease or dirt accumulation.

Section 6: Structure

The fan shall include AMCA Type B spark resistant construction. Both the wheel and inlet shall be constructed of aluminum. Access door: An access door must be provided for the scroll to remove possible foreign bodies inside of the fan. The platform on which the fan is placed shall be a stable and level one and vibration isolators shall be used for connection. The pre-embedded fixing method shall not be required.

Section 7: Nameplate

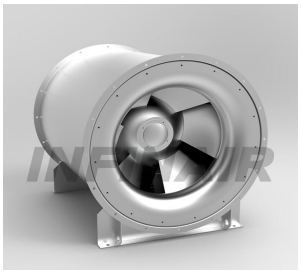
A permanently fixed aluminum nameplate shall clearly display the fan number, product model and serial number (a unique ID for each fan) so that the parts used can be traceable by customers.

Section8: Qualified Suppliers

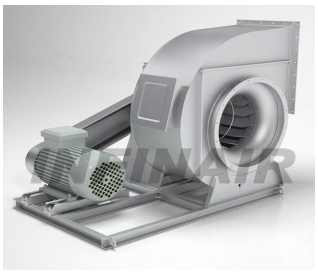
INFINAIR or similar products supplied are designed based on Model CUS of INFINAIR.

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

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