

INFINAIR FANS

IS IT RELIABLE? OF COURSE! WE ARE
INFINAIR FANS, ARE YOU?

RTC

Rooftop Centrifugal Exhaust Fan

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



INFINAIR ARABIA COMPANY LTD. certifies that the Rooftop Centrifugal Fans (RTC) 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



Rooftop Centrifugal Exhaust Fans
Sizes 300 mm - 1000 mm

ISO Certified Factory



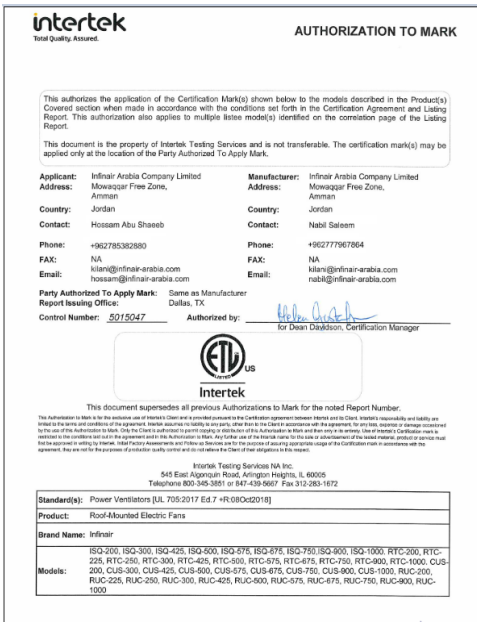
Management Messages

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 ISO 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.



UL listed Certificate



AMCA Membership



ISO 14001:2015

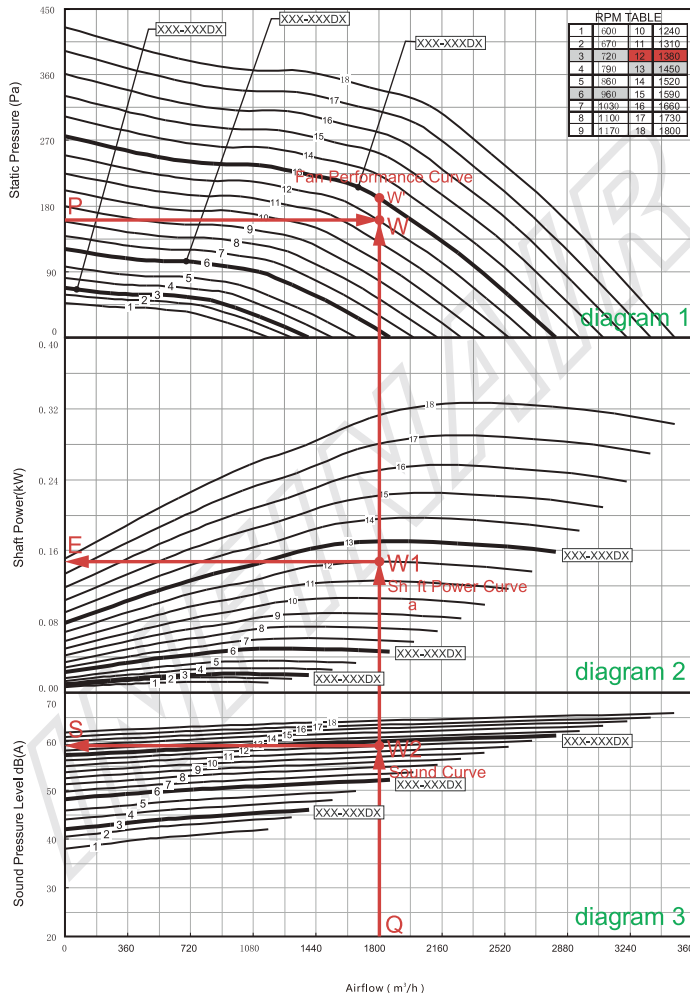


ISO 45001:2018



ISO 9001:2015

Performance Curves - Technical



Example:

Airflow: 1,800m³/h, Static pressure: 160 Pa

Step One: A vertical line is drawn from the given airflow (Point Q: 1,800m³/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 m³/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
m	25.4	mm
	3.2808	ft
	39.37	in
mm	1000	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	lb _m
	0.03527	oz
	0.001	kg
kg	2.2046	lb _m
	35.274	oz
	1000	grams
MOMENT OF INERTIA		
MULTIPLY	BY	TO OBTAIN
lb-in ²	0.0069	lb-ft ²
	0.0002926	kg-m ²
lb-ft ²	144	lb-in ²
	0.04214	kg-m ²
kg-m ²	23.73	lb-ft ²
	3417.2	lb-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
in-wg	0.06805	atm
	0.03607	psi
	0.07343	in-Hg
	248.66	Pa
	25.4	mm-wg
in-Hg	1.8651	mm-Hg
	0.002454	atm
	0.49115	psi
	13.619	in-wg
	3386.4	Pa
Pa	345.91	mm-wg
	25.4	mm-Hg
	0.03342	atm
	0.000145	psi
	0.004022	in-wg
mm-wg	0.0002953	in-Hg
	0.10215	mm-wg
	0.007501	mm-Hg
	0.0000099	atm
	0.00142	psi
mm-Hg	0.03937	in-wg
	0.002891	in-Hg
	9.7898	Pa
	0.07343	mm-Hg
	0.0000966	atm
atm	0.01934	psi
	0.53616	in-wg
	0.03937	in-Hg
	133.32	Pa
	13.619	mm-wg
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	ft ³
	61024	in ³
	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

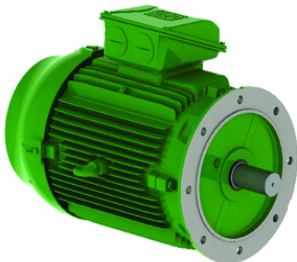
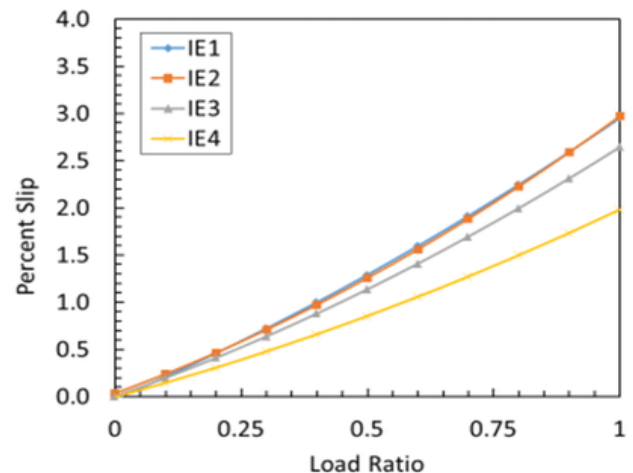
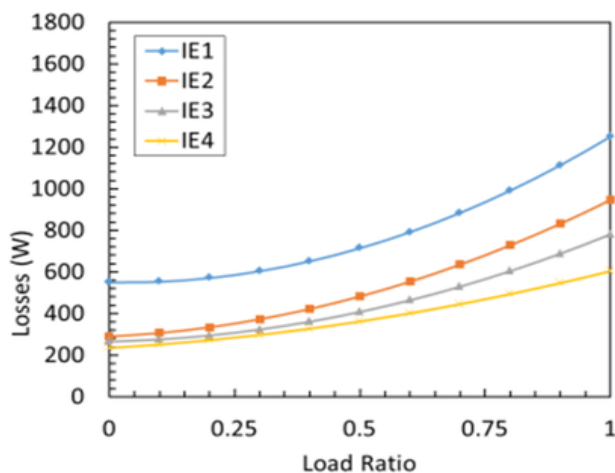
INFINAIR ARABIA fuse High Efficiency motors for all fans. TEFC motor's materials are made from Cast Iron, stainless steel shaft and high quality windings to overcome. The increasing demand for electrical energy to sustain global development requires consistent heavy investments in power supply generation. The best strategy to maintain energy supply in the short term is to avoid wastage and increase energy 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:

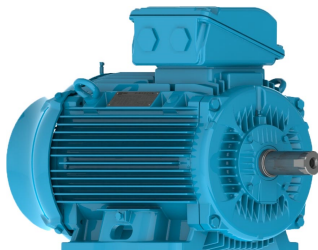
- High Ambient withstanding 55 degree C
- Premium Efficiency Rating IE3 is a standard
- Super Premium Efficiency Rating IE4 (Option)
- Cast Iron Body and well designed Terminal Box
- Insulation Class is F and Protection is IP55
- Applicable for VFD operation
- Thermal protection integration
- Smoke applications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



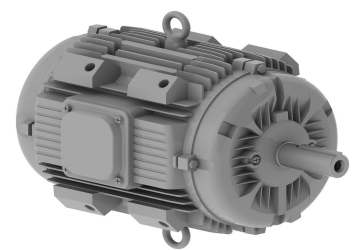
Flange



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.

>> Company Info

INFINAIR ARABIA CO. LTD is the first company in Kingdom of Jordan for producing ventilation industries pectized in fans production for HVAC objectives and Industrial purposes. It has been founded by the worldwide INFINAIR CORPORATION 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, Mowaggar 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.

Company Mission:

Provide reliable, convenient air movement controls, operations and services.

Awards and Achievements:

High-tech Enterprise

Renowned trademark:

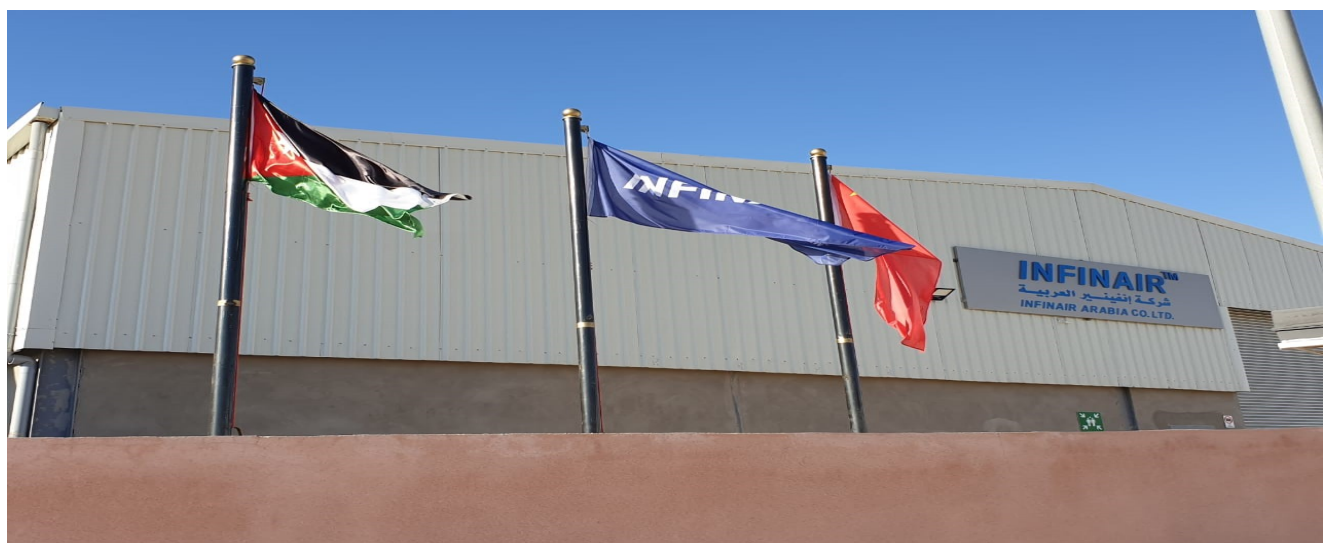
INFINAIR™

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's 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

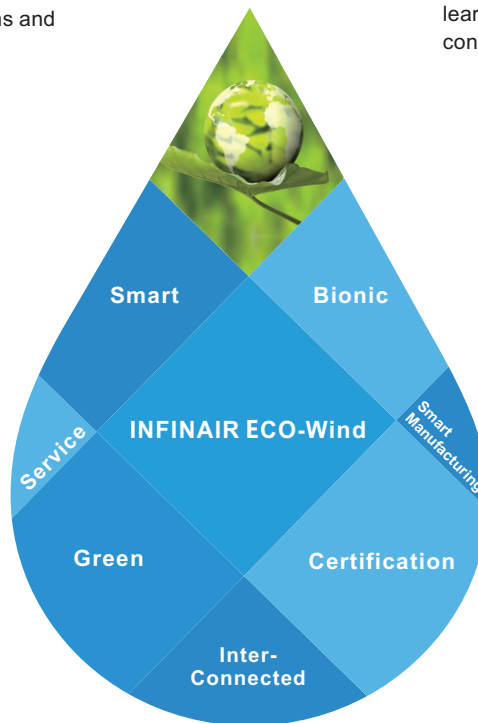
- **INFINAIR's Bionic Energy Conservation**
We develop energy saving products by observing behaviors from the animal kingdom. How can birds fly thousands of miles with extremely low energy consumption?
- **INFINAIR's Bionic Sound Reduction**
Why Owls can fly so silently? Even mice are not being able 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

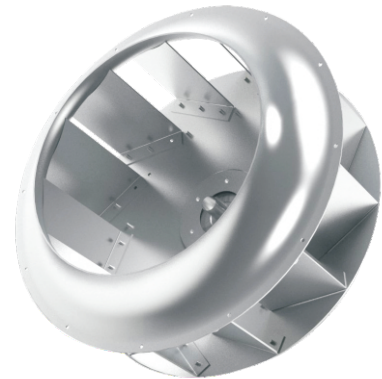
Certifications and Tests

- **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

4th Generation of Wind-Surfer™ Wheel: Made for Rooftop Fans in All-aluminum Construction

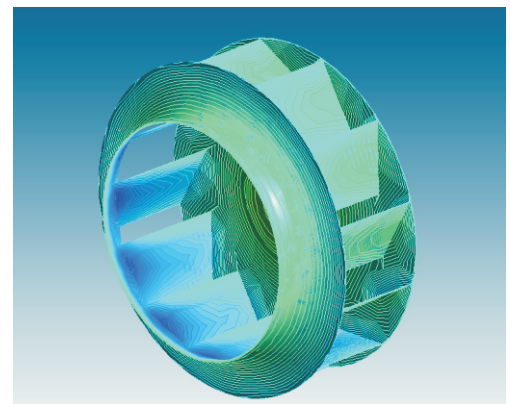
Unique and Innovative Design

- The centrifugal wheel is specially made from Aluminum for rooftop fans to withstand corrosion
- Innovative design based on the advanced foreign concept of full control over flow passages
- Leading-edge products in efficiency and sound
- Wide performance range of high efficiency and non-overload



Internationally Advanced Process Adopted for Better Alignment with Flow Field Characteristics

- Flow passage components formed by spinning not by traditional process
- Blades formed by punching to ensure quality
- Dedicated fixtures and tools to ensure the precise mounting position of blades



4th Generation of Wind-Surfer™ Wheel

- Continuous improvement for better performance
- Higher energy efficiency
- Lower sound for quieter operation

Light Weight and All-aluminum Construction with Explosion Proof Properties

- Metallic feeling and top-notch appearance
- Light weight, weighing only 1/3 of traditional products
- A spark resistance construction, aluminum housing and aluminum wheel and aluminum inlet cone (AMCA99-10)

Carefully Selected Materials, Suitable for Smoke Removal and for Use in Coastal Regions

- The strength made for the highest running speed to perform the smoke removal duty
- Resistance to neutral salt spray for wide use in coastal regions
- Rigorous tests for trust worthy performance

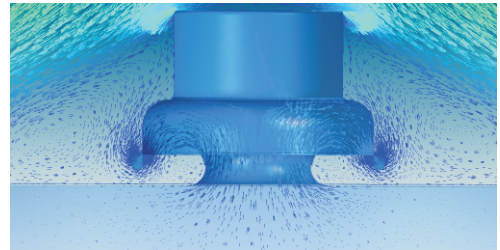
Product Features

Independent Motor Chamber: Super Long Service Life

- Drive mechanism located in an independent chamber to have zero contact with the airstream
- Use for exhaust of air containing volatile engine oil, cooking fumes, dust and organic solvent and so on
- Great reliability and expected service life of over ten years

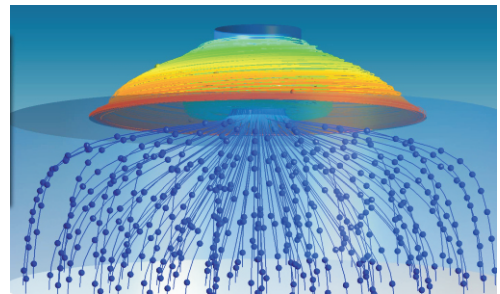
Fall Protection Design for Greater Safety

- Should blades break, the pieces would not fall indoors, requiring no protection guard
- Blades guide condensed dew droplets in winter outside of the fan so that they do not drip indoors, suitable for use in coastal regions



Patented Appearance Design for Practical Beauty

- Smooth and elegant appearance design with fine manufacturing process
- Silver housing of metallic feeling that easily matches different colors of buildings
- Buildings added a streak of modernity and nobility



Light Weight: Especially Suitable for Rooftop of Light Gauge Steel Construction

- Housing and wheel constructed of aluminum alloy
- Load on the rooftop reduced with less investment in steel

Wide Applications to Meet Users' Needs

- All-aluminum construction for explosion proof application: Type A spark resistant construction
- Smoke removal application
- For salt spray environment in coastal regions and on islands



Tests on RTC Fans Performed by INFINAIR Research Institute

High Wind Resistance



- **High Wind Resistance**

Tests show that RTC fans can still run reliably for a long time at the wind speed of 33.9 m/s (equivalent to level 12 typhoon according to the QX/T 51-2007 standard).

Rainstorm Resistance



- **Rainstorm Resistance**

At the extreme condition of simulated rainfall of 156 mm/h (equivalent to torrential downpours), tests show that RTC fans have excellent resistance performance in both on and off modes and no water leakages or deformations occur.

Aluminum Wheel Before and After Tests

Before



After



- **Salt Spray Resistance**

Performed by the GB/T 10125-1997 standard, tests show that RTC fans have no signs of corrosion in the neutral salt spray tests. RTC fans are thus proved to be resistant to salt spray and suitable for use in such environments as coastal regions and islands.

Smoke Removal Test



- **Smoke Removal Test**

RTC fans are TUV SUD witnessed to run 120 minutes under 300°C, which makes RTC fans well suited to perform smoke removal duty.

Optional Accessories

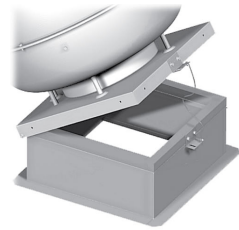
- **Gravity Backdraft Damper**

Composed of aluminum blades joined mechanically, the gravity backdraft damper can help avoid back draft effectively.



- **Curb Adapter**

It is used for adapting the curb to INFINAIR products when their dimensions do not match so that the curb may not be reworked. The adapter is quite flexible. When placing an order, curb dimensions shall be specified.



- **Fire Damper (For smoke removal)**

Normally open. When the air temperature reaches 280 °C , the fuse protector starts working and closes the damper automatically. The signal will be sent to the control system. Also, the fire damper can control the airflow.



- **Neoprene Vibration Isolation Pad (Not for smoke removal)**

The Neoprene vibration isolation pad, located between the curb and curb cap, is waterproofing and helps reduce vibrations, lower sound and extend the service life of fans.



- **Variable Freq. Drive for motor**

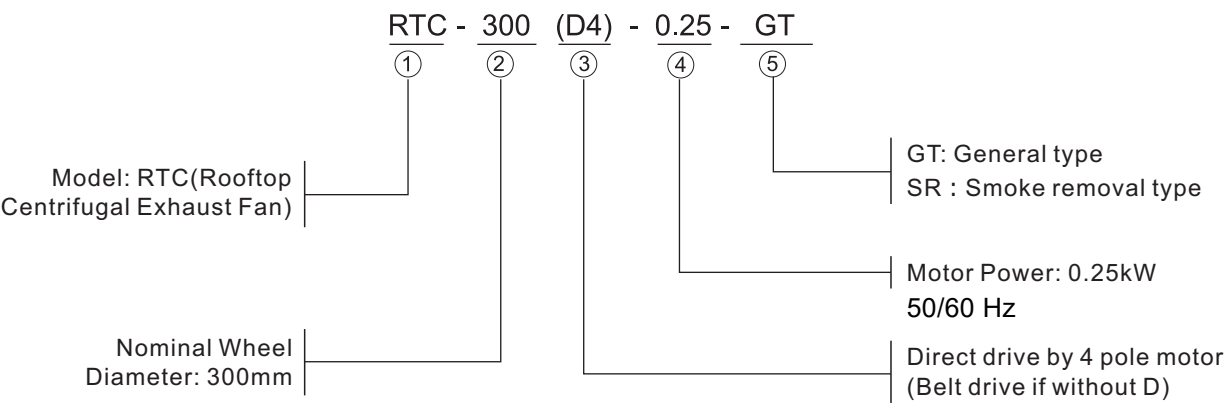
The motor is applicable for VFD to control the speed



- **Auto Start/ Stop Switch Controlled by Temperature**

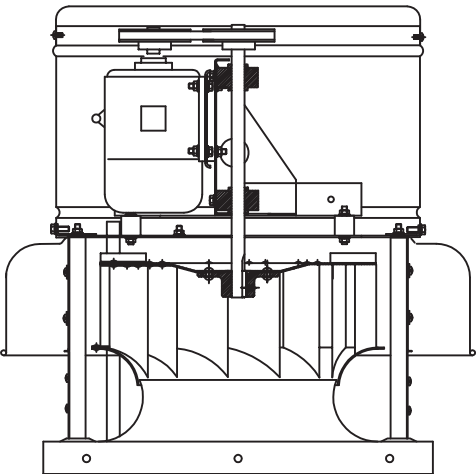
When the temperature reaches the set value, the switch will be automatically controlled to save energy.

Naming Convention

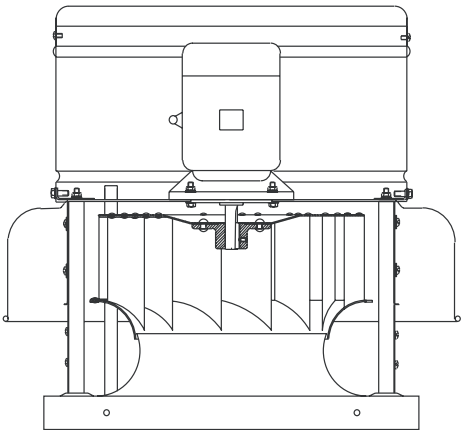


Note: The general type and smoke removal type have the same airflow capacity and air pressure.

RTC Outline Drawing



RTC(Belt Drive)



RTC-D(Direct Drive)

RTC(Belt Drive)	
Smoke Removal	Available
Explosion Proof	Not Available
Wheel Finished with Epoxy Coatings	Available
Whole Product Finished with Epoxy Coatings	Available

RTC-D(Direct Drive)	
Smoke Removal	Available
Explosion Proof	Available
Wheel Finished with Epoxy Coatings	Available
Whole Product Finished with Epoxy Coatings	Available

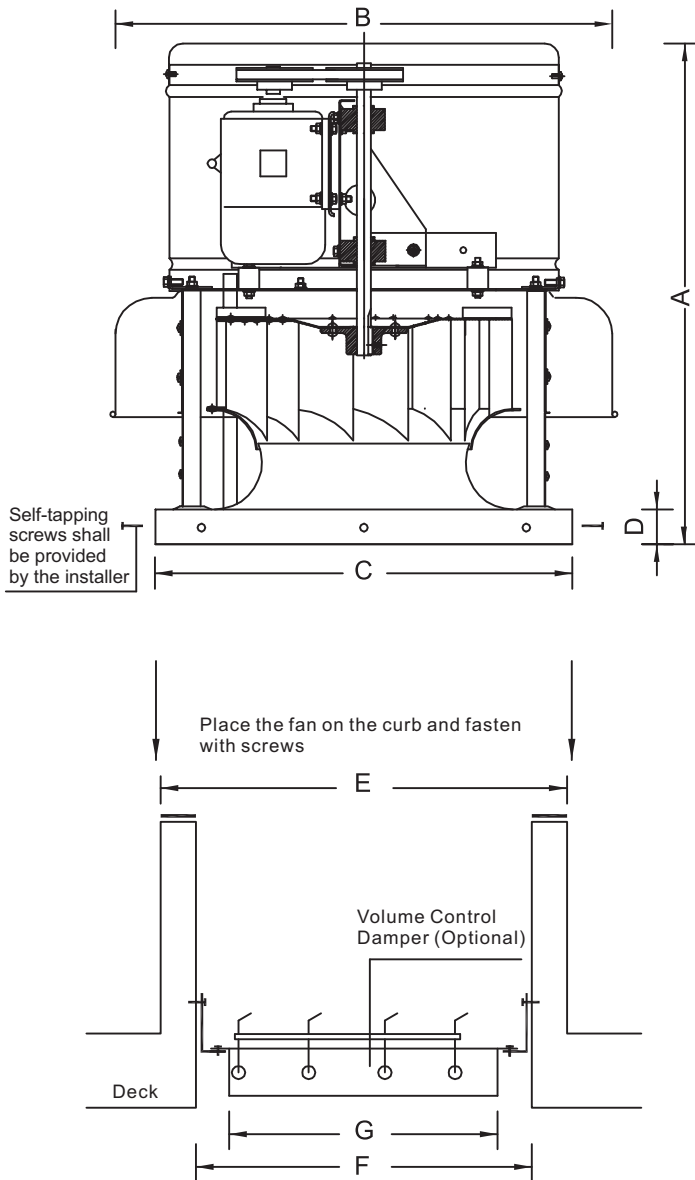
INFINAIR's Laboratory

- INFINAIR laboratory is AMCA accredited air performance and sound testing laboratory in the mainland of PRC
- All testing procedures at INFINAIR's air performance and sound testing laboratory are done according to the following standards:
 1. All design, fabrication and testing guidelines are in strict accordance with AMCA 210, AMCA 300, ISO 5801 (GBT 1236) and ISO 13350 (GBT 10178) standards.
 2. The INFINAIR laboratory has replaced the simple cardboard shielding method duct test with a new generation of precise-flow nozzle matrix systems.
 3. Advanced and sophisticated testing equipment are being used in the laboratory.
 4. All equipment used in the laboratory are calibrated and inspected regularly.
 5. When comparing the results of same-sample inter-lab tests, the INFINAIR lab test results' margins of error are within the precision and error requirements specified by relevant international/national standards.
- Apart from performing the above tasks, INFINAIR laboratory is also capable of performing different tests such as over-speed test, vibration test, thrust test for tunnel jet fan, water-proofing and dusts test, heat resistant test, etc.
- INFINAIR has also built a high temperature furnace under the EN 12101-3 guidelines for fire resistant testing.
- These accomplishments do not come easy; they are the outcome of innovative designs, extraordinary team work and sophisticated technologies combined. They are the guidance of producing efficient and quality products at INFINAIR.

INFINAIR CORP laboratory is AMCA accredited air performance in the mainland of PRC



Dimensions and Weight



The height of the curb (H) is generally identified by the design engineer. A 300 mm-500 mm range is recommended and can be chosen within the range based on the amount of local rainfall.

The vibration isolation pad and angle steel used for the gravity backdraft damper are generally provided by the installer and not included in the package provided by the manufacture.

The vibration isolation pad shall be thick enough to carry the fan weight. Its thickness is generally between 5 and 8 mm.

The dimensions below apply to all types of RTC fans.

Model	A(mm)	B(mm)	C(mm)	D(mm)	Weight(kg)
RTC-300	600 _(max)	540	500	50	21
RTC-425	749 _(max)	726	600	50	30
RTC-500	862 _(max)	830	750	70	39
RTC-575	890 _(max)	940	750	70	46
RTC-675	995 _(max)	1100	900	53	67
RTC-750	1064 _(max)	1200	900	53	71
RTC-900	1215 _(max)	1438	1100	70	118
RTC-1000	1338 _(max)	1588	1200	70	141

The fan weight above does not include motor weight

Below power kW hasn't used all in RTC fans

Power (kW)	Motor Weight(kg)							
	2P	4P	6P	8P	10P	12P	14P	16P
0.09	5.5	5		10				
0.12	5.5	6		10	11	13	15	18
0.18	14	13.5	14	16	10	15	17	21
0.25	14.5	14	14.5	17	14	16	20	23
0.37	15	14.5	16	24	17	18	21	30
0.55	15.5	17	17	28	20	21	30	37
0.75	16	18	23	33	23	24	36	41
1.1	17	22	25	38	30	30	42	48
1.5	22	27	33	45	38	42	35	58
2.2	25	34	45	63	39	45	52	62
3	33	38	63	79	40	50	62	67
4	45	43	73	110	56	60	68	70
5.5	64	68	84	121				
7.5	70	81	121	147				
11	118	124	146	182				

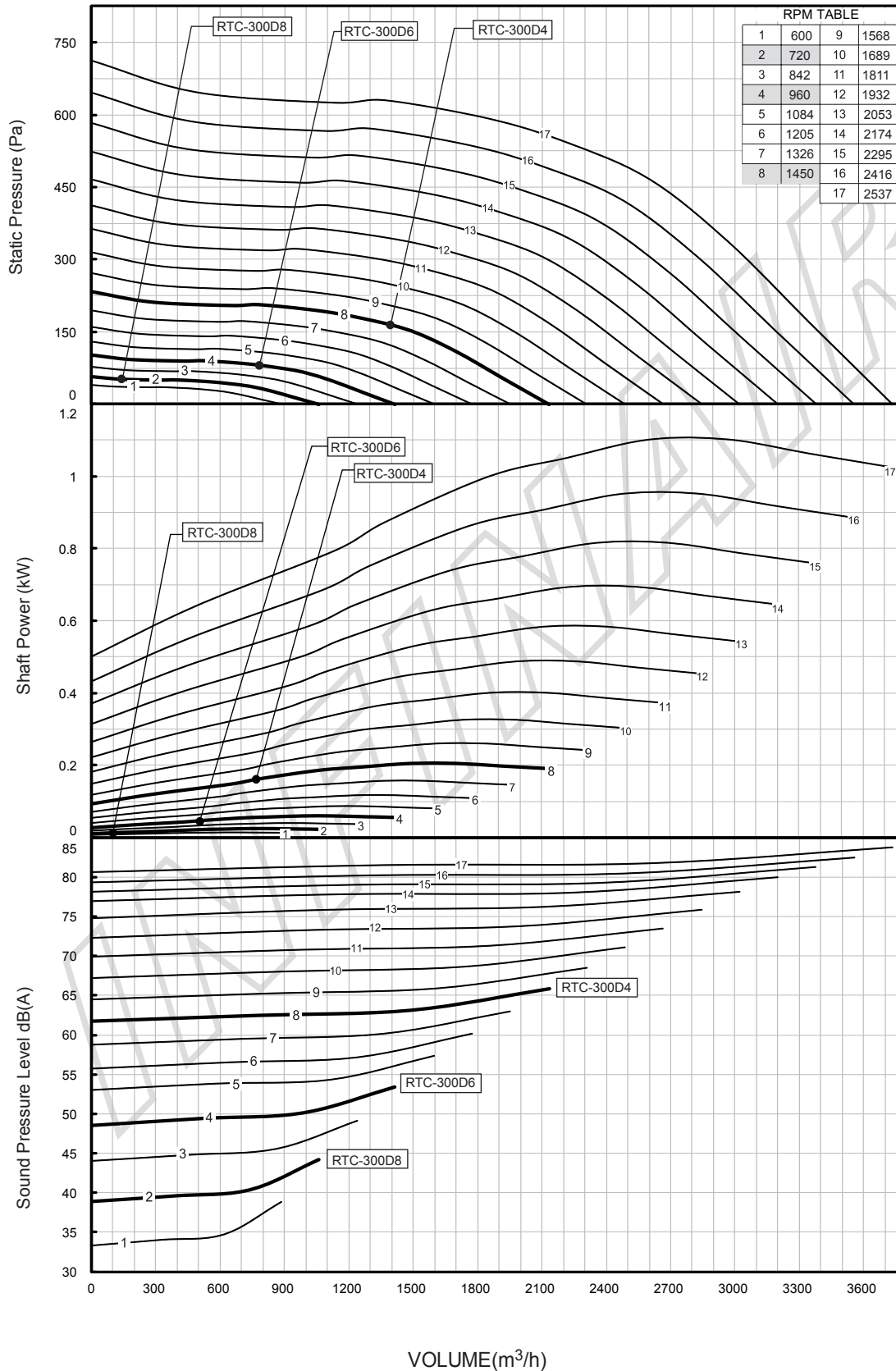
The dimensions below apply to all types of RTC fans.

Model	Outer Edge of Curb E (mm)	Roof Opening F (mm)	Gravity Backdraft Damper G (mm)	Fire Damper (mm)
RTC-300	490	370	300x300	420x420
RTC-425	590	470	400x400	520x520
RTC-500	740	620	550x550	670x670
RTC-575	740	620	550x550	670x670
RTC-675	890	730	650x650	780x780
RTC-750	890	730	650x650	780x780
RTC-900	1090	930	800x800	980x980
RTC-1000	1190	1030	900x900	1080x1080

Note: Please contact the sales office nearby you and ask for fan and motors exact dimensions and weight, the information mentioned above can be changed according to design and selection requirements

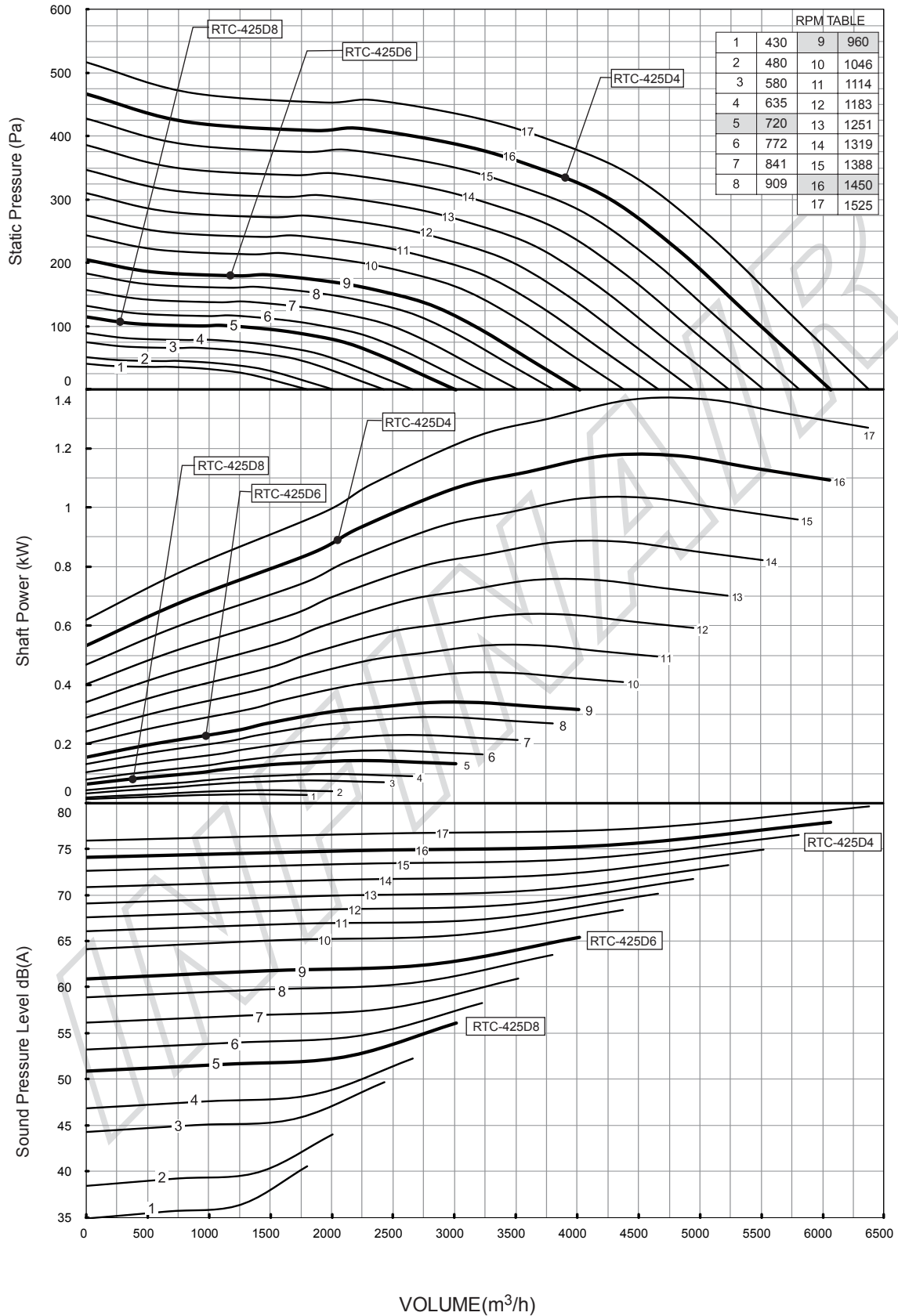
PERFORMANCE CURVES

Model: RTC-300



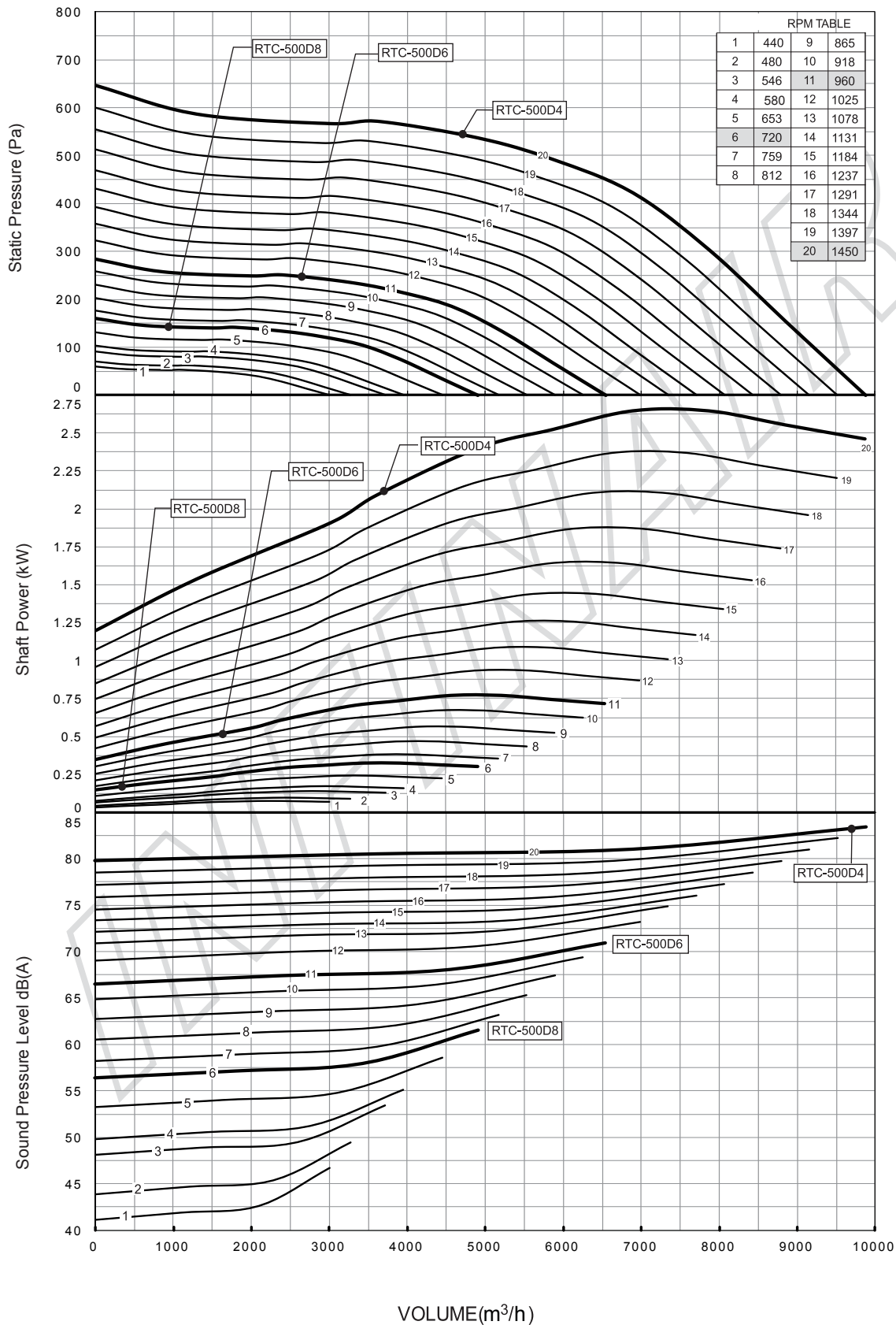
Performance certified is for installation type A - free inlet, free outlet. Power rating (kW) includes transmission losses. Values shown are for inlet LwA sound power levels for Installation Type A: Free inlet, free outlet. The sound power level ratings shown are in decibels, referred to as 10^{-12} 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: RTC-425



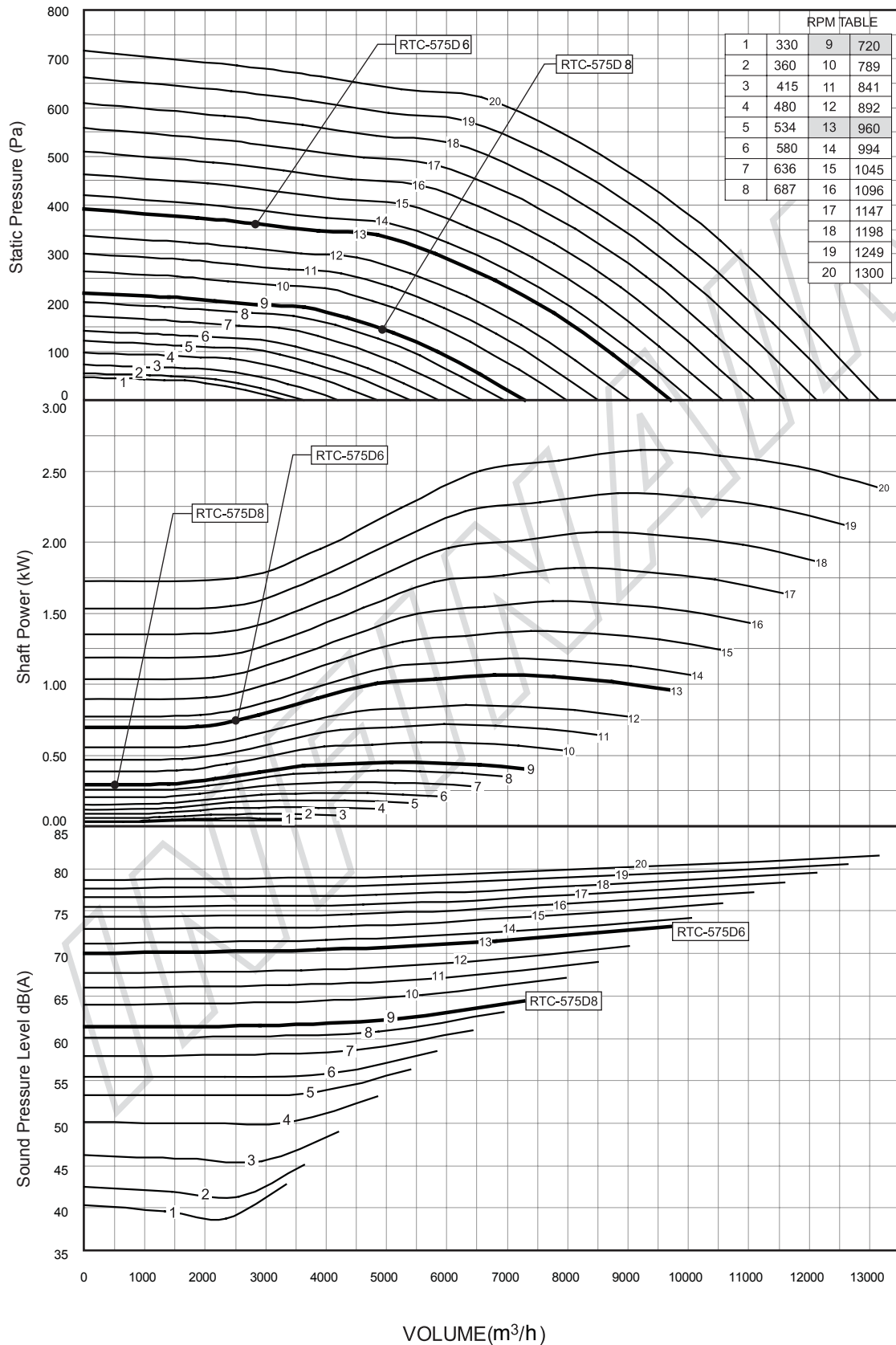
Performance certified is for installation type A - free inlet, free outlet. Power rating (kW) includes transmission losses. Values shown are for inlet Lw(A) sound power levels for Installation Type A: Free inlet, free outlet. The sound power level ratings shown are in decibels, referred to as 10^{-12} 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: RTC-500



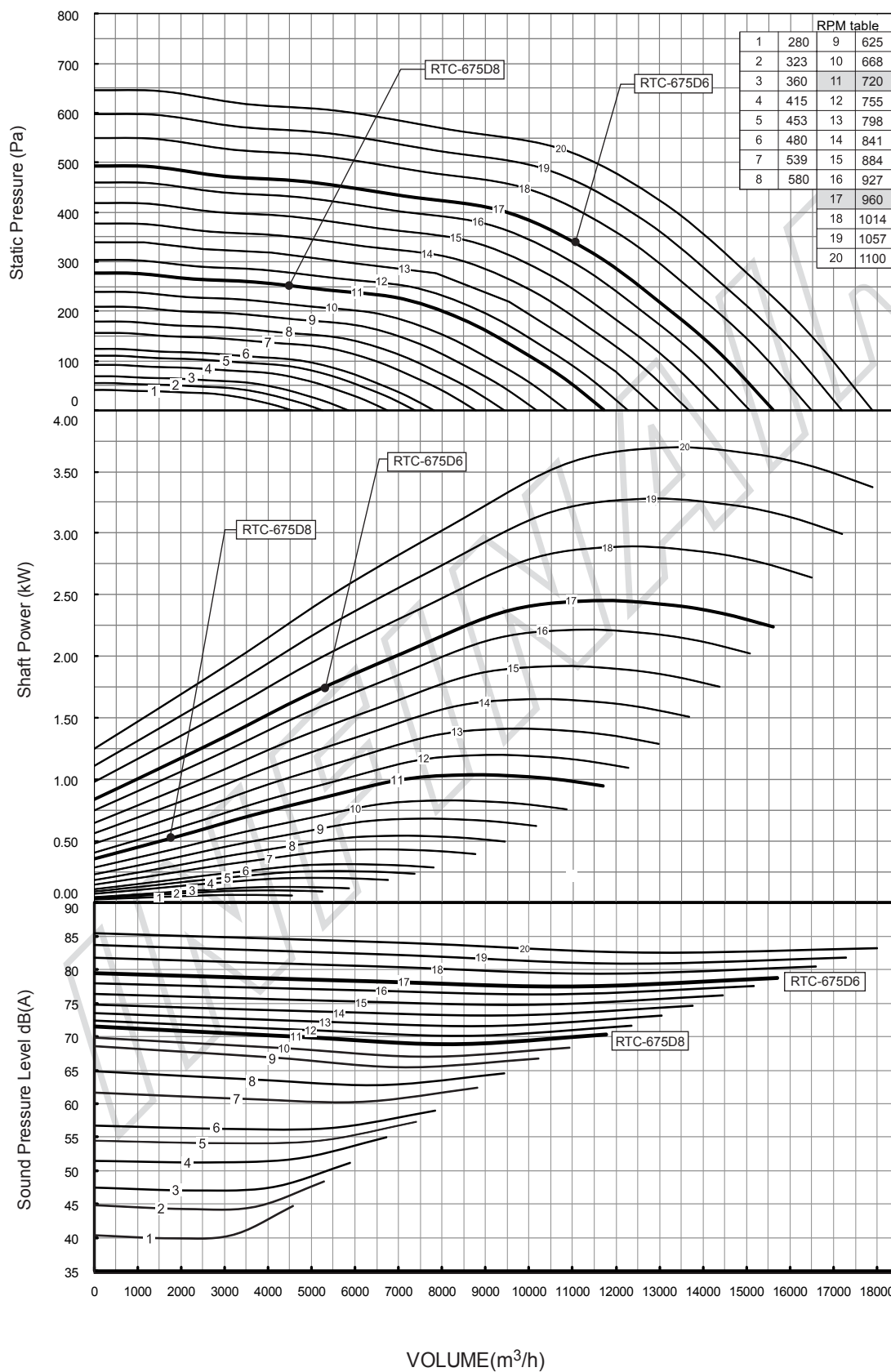
Performance certified is for installation type A - free inlet, free outlet. Power rating (kW) includes transmission losses. Values shown are for inlet Lw(A) sound power levels for Installation Type A: Free inlet, free outlet. The sound power level ratings shown are in decibels, referred to as 10^{-12} 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: RTC-575



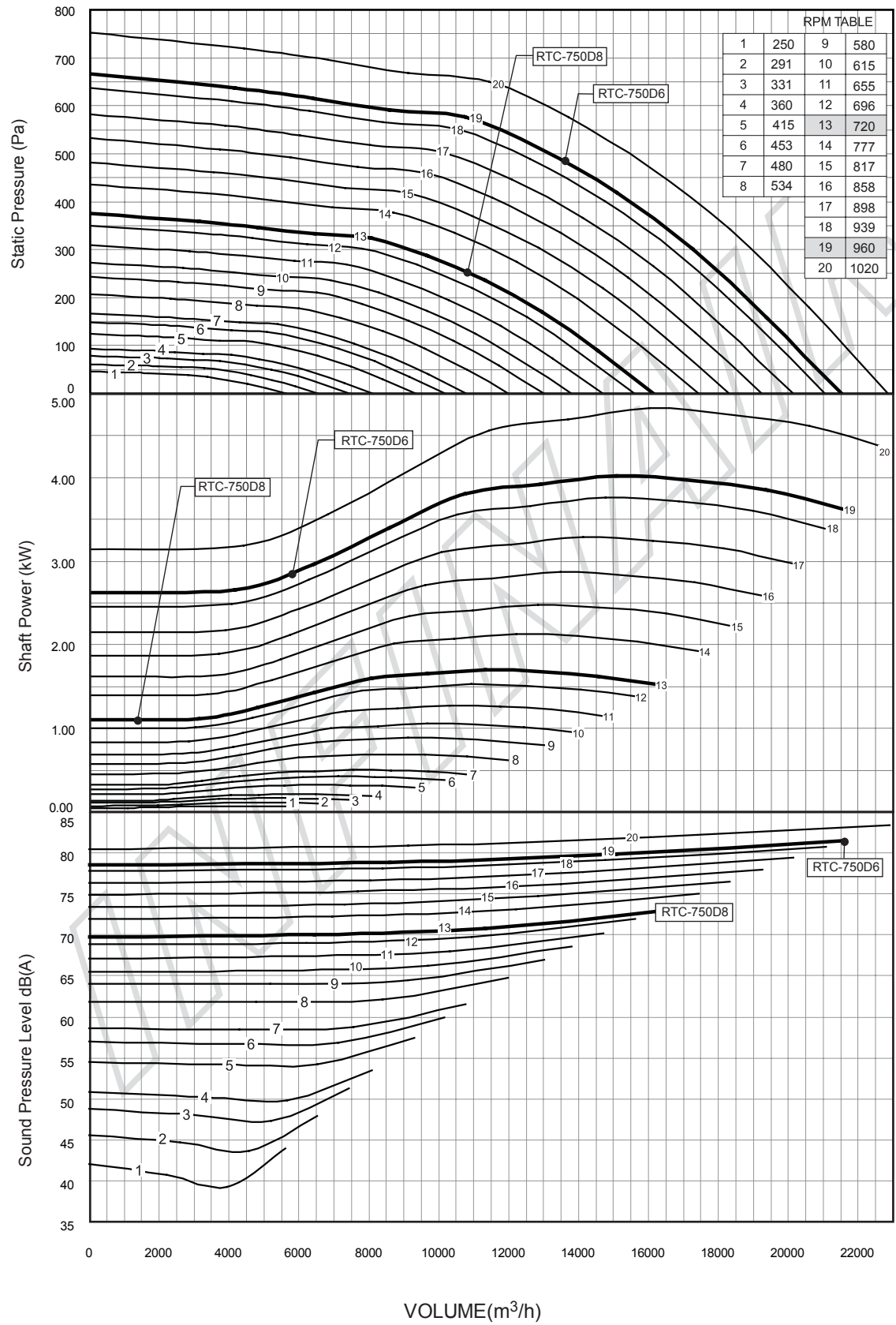
Performance certified is for installation type A - free inlet, free outlet. Power rating (kW) includes transmission losses. Values shown are for inlet LwIA sound power levels for Installation Type A: Free inlet, free outlet. The sound power level ratings shown are in decibels, referred to as 10^{-12} 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: RTC-675



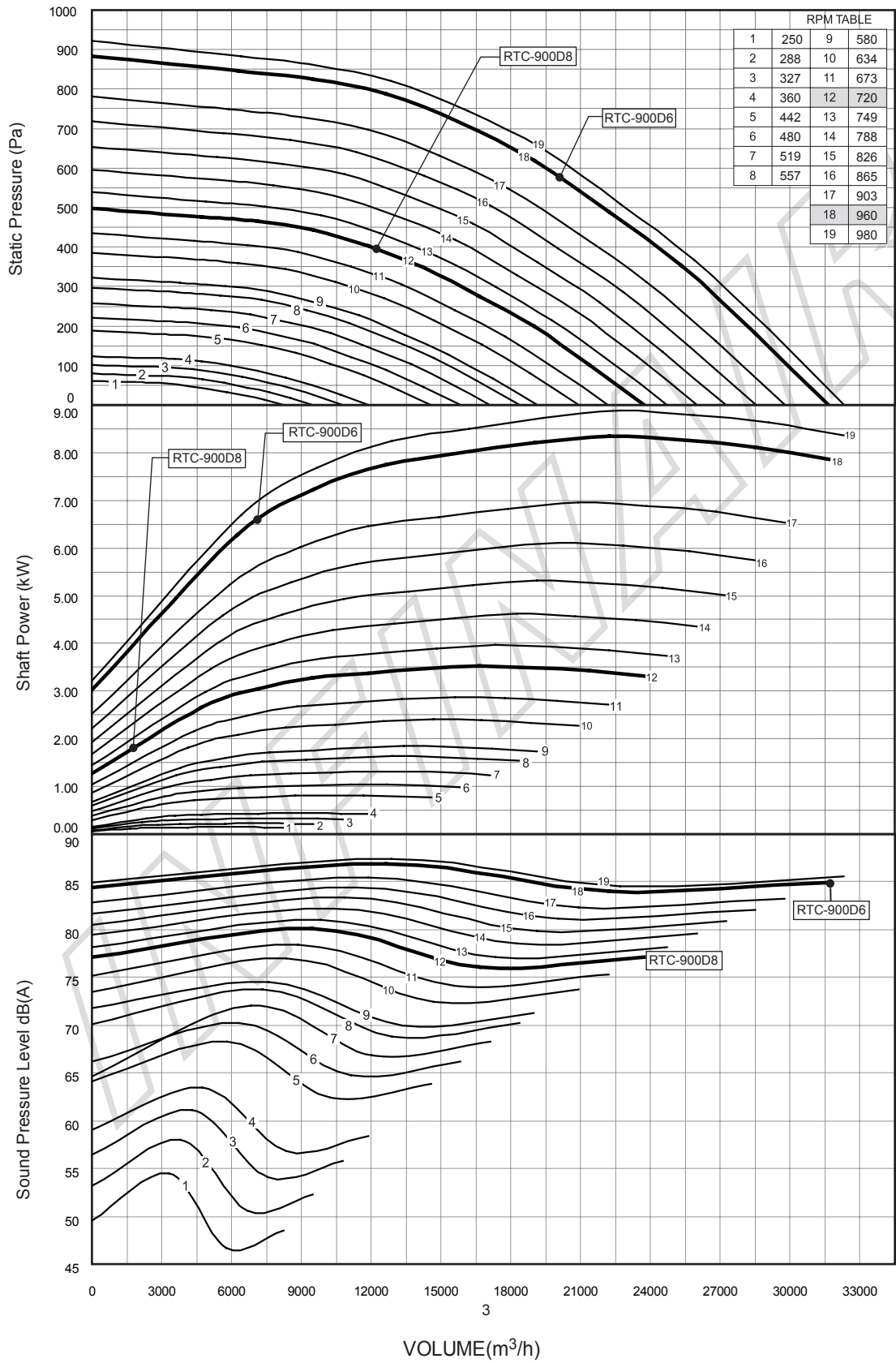
Performance certified is for installation type A - free inlet, free outlet. Power rating (kW) includes transmission losses. Values shown are for inlet LwIA sound power levels for Installation Type A: Free inlet, free outlet. The sound power level ratings shown are in decibels, referred to as 10^{-12} 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: RTC-750



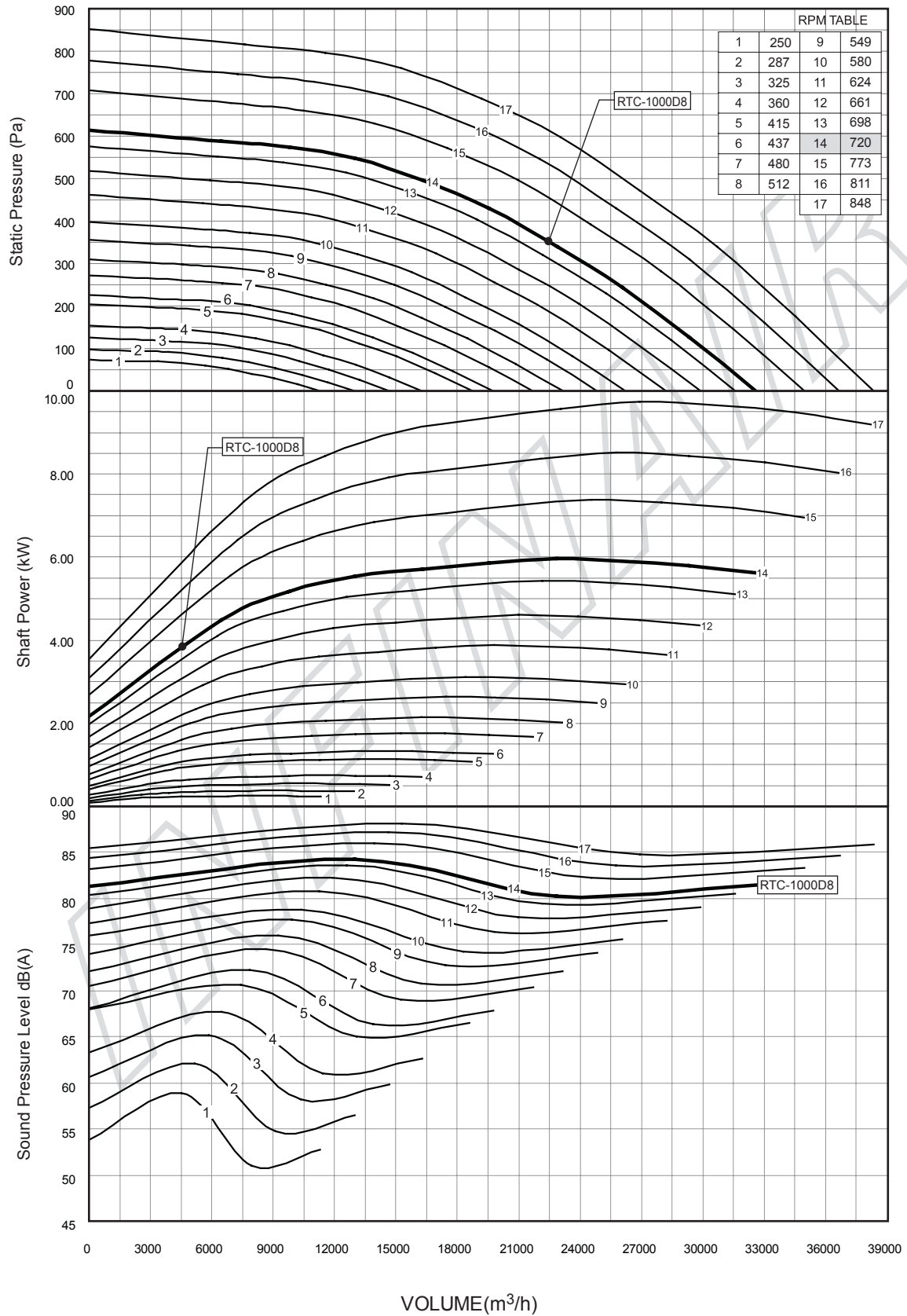
Performance certified is for installation type A - free inlet, free outlet. Power rating (kW) includes transmission losses. Values shown are for inlet Lw1A sound power levels for Installation Type A: Free inlet, free outlet. The sound power level ratings shown are in decibels, referred to as 10⁻¹² watts, 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: RTC-900



Performance certified is for installation type A - free inlet, free outlet. Power rating (kW) includes transmission losses. Values shown are for inlet LwA sound power levels for Installation Type A: Free inlet, free 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: RTC-1000



Performance certified is for installation type A - free inlet, free outlet. Power rating (kW) includes transmission losses. Values shown are for inlet LwIA sound power levels for Installation Type A: Free inlet, free 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.

RTC-300

		SOUND POWER									
		OCTAVE BANDS									
RPM	Volume	1	2	3	4	5	6	7	8	LWIA	dB(A)
600	883	51.7	54.8	48.7	47.6	46.5	39.9	32.8	25.8	50.3	38.8
	616	50.3	52.9	46.1	43.1	40.8	36.6	30.8	24.8	46.2	34.7
	323	51.1	52.7	44.2	42.5	40.6	35.5	29.3	23.1	45.5	34.0
	0	51.4	51.7	43.4	41.5	40.1	35.1	27.7	20.1	44.8	33.3
720	1059	58.8	58.9	56.5	52.5	51.4	46.0	38.6	31.6	55.7	44.2
	739	57.9	57.0	54.1	48.6	46.0	41.8	36.3	30.3	51.9	40.4
	387	58.6	57.1	52.7	47.4	45.8	41.1	35.0	28.7	51.1	39.6
	0	57.7	56.6	51.7	46.6	45.1	40.6	33.7	26.1	50.4	38.9
842	1239	64.9	62.5	63.1	56.7	55.7	51.2	43.6	36.6	60.6	49.1
	864	64.5	60.6	61.0	53.2	50.5	46.4	41.0	35.0	57.1	45.6
	453	64.9	61.1	59.9	51.6	50.2	45.8	39.8	33.5	56.3	44.8
	0	63.1	61.2	58.8	51.0	49.4	45.4	38.8	31.2	55.5	44.0
960	1412	70.0	65.6	68.6	60.2	59.2	55.6	47.7	40.7	64.9	53.4
	985	69.9	63.7	66.7	57.1	54.2	50.2	45.0	39.0	61.6	50.1
	516	70.3	64.5	66.0	55.2	53.9	49.8	43.8	37.5	60.9	49.4
	0	67.7	65.1	64.8	54.7	52.9	49.4	43.1	35.5	60.1	48.6
1084	1595	74.3	68.7	73.3	63.8	62.5	59.5	51.6	44.6	68.8	57.3
	1112	74.4	67.0	71.4	61.0	57.7	53.7	48.7	42.7	65.8	54.3
	583	74.8	68.0	71.2	58.8	57.3	53.5	47.5	41.3	65.3	53.8
	0	71.8	68.8	70.2	58.1	56.3	53.1	47.1	39.5	64.5	53.0
1205	1773	76.2	72.8	75.2	68.3	65.3	62.4	55.1	48.0	71.7	60.2
	1237	76.3	71.5	73.3	65.7	60.9	56.7	51.8	45.9	68.7	57.2
	648	76.7	72.3	73.0	63.7	60.2	56.5	50.7	44.5	68.1	56.6
	0	73.6	72.4	72.1	63.0	59.2	56.0	50.3	42.9	67.3	55.8
1326	1951	77.8	76.6	77.2	72.3	67.9	65.0	58.3	51.0	74.5	63.0
	1361	77.9	75.5	75.3	69.9	63.7	59.4	54.5	48.8	71.7	60.2
	713	78.3	76.2	75.2	68.2	62.8	59.2	53.6	47.5	71.0	59.5
	0	75.3	75.7	74.5	67.3	61.9	58.6	53.2	46.1	70.2	58.7
1450	2133	79.4	80.0	79.3	76.1	70.3	67.4	61.3	53.8	77.4	65.9
	1488	79.5	79.2	77.4	73.8	66.3	62.0	57.1	51.6	74.7	63.2
	780	79.9	79.8	77.5	72.3	65.2	61.7	56.4	50.2	74.0	62.5
	0	76.9	78.8	77.1	71.4	64.4	61.0	55.9	49.0	73.3	61.8
1568	2307	80.7	83.1	81.1	79.4	72.4	69.5	63.9	56.3	80.0	68.5
	1609	80.8	82.5	79.2	77.2	68.7	64.2	59.4	53.9	77.4	65.9
	844	81.2	83.0	79.5	76.0	67.3	64.0	58.7	52.6	76.8	65.3
	0	78.2	81.6	79.4	74.9	66.6	63.2	58.3	51.5	76.0	64.5
1689	2485	82.0	86.0	82.8	82.6	74.4	71.5	66.4	58.7	82.6	71.1
	1733	82.1	85.6	81.0	80.5	70.9	66.3	61.5	56.2	80.2	68.7
	909	82.5	86.0	81.5	79.4	69.3	66.1	61.0	54.9	79.6	68.1
	0	79.5	84.1	81.6	78.3	68.7	65.2	60.6	54.0	78.8	67.3
1811	2664	83.2	88.7	84.5	85.5	76.3	73.4	68.7	60.9	85.0	73.5
	1858	83.4	88.5	82.6	83.5	72.9	68.3	63.6	58.3	82.8	71.3
	974	83.7	88.9	83.3	82.7	71.2	68.0	63.1	57.0	82.3	70.8
	0	80.7	86.6	83.6	81.5	70.6	67.1	62.7	56.3	81.4	69.9
1932	2842	84.4	91.2	86.0	88.3	78.0	75.2	70.9	63.0	87.4	75.9
	1983	84.5	91.2	84.1	86.4	74.9	70.2	65.4	60.3	85.3	73.8
	1039	84.9	91.5	84.9	85.7	72.9	69.9	65.1	59.0	84.9	73.4
	0	81.8	88.8	85.6	84.4	72.4	68.9	64.7	58.4	83.9	72.4
2053	3020	85.4	93.6	87.4	90.8	79.6	76.8	72.9	64.9	89.7	78.2
	2107	85.5	93.7	85.6	89.0	76.7	71.9	67.2	62.1	87.7	76.2
	1105	85.9	94.0	86.5	88.5	74.6	71.6	66.9	60.9	87.3	75.8
	0	82.9	90.9	87.3	87.2	74.1	70.5	66.5	60.4	86.2	74.7
2174	3198	86.4	95.2	89.1	92.7	81.5	78.3	74.7	66.8	91.5	80.0
	2231	86.5	95.3	87.4	90.8	78.7	73.6	68.8	63.8	89.5	78.0
	1170	86.9	95.6	88.3	90.6	76.5	73.2	68.6	62.7	89.3	77.8
	0	83.9	92.6	89.1	89.6	75.8	72.1	68.2	62.2	88.4	76.9
2295	3376	87.4	96.1	91.2	93.7	83.8	79.8	76.1	68.6	92.7	81.2
	2355	87.5	96.2	89.7	91.8	81.1	75.2	70.4	65.4	90.7	79.2
	1235	87.8	96.6	90.5	91.5	79.0	74.6	70.2	64.3	90.5	79.0
	0	84.8	93.6	91.0	90.6	78.3	73.6	69.7	63.9	89.7	78.2
2416	3554	88.2	97.0	93.2	94.6	86.0	81.2	77.5	70.3	94.0	82.5
	2479	88.4	97.1	91.8	92.6	83.4	76.7	71.9	66.9	92.0	80.5
	1300	88.7	97.5	92.6	92.4	81.4	76.0	71.6	65.9	91.8	80.3
	0	85.7	94.5	92.8	91.5	80.7	75.1	71.1	65.4	90.9	79.4
2537	3732	89.1	97.8	95.1	95.5	88.0	82.5	78.8	71.9	95.3	83.8
	2603	89.2	97.9	93.9	93.6	85.5	78.1	73.3	68.3	93.3	81.8
	1365	89.6	98.3	94.6	93.4	83.7	77.3	73.0	67.4	93.1	81.6
	0	86.6	95.3	94.5	92.5	82.9	76.4	72.5	66.9	92.2	80.7

RTC-425

		SOUND POWER									
		OCTAVE BANDS									
RPM	Volume	1	2	3	4	5	6	7	8	LWia	dB(A)
430	1799	55.7	57.1	50.8	50.9	47.2	39.8	32.8	25.8	52.1	40.6
	1255	53.8	55.0	47.4	45.7	42.3	37.2	31.2	25.2	47.9	36.4
	658	54.3	54.0	45.7	45.4	41.8	35.9	29.7	23.5	47.2	35.7
480	0	54.5	52.9	45.1	44.6	41.4	35.1	27.4	19.8	46.4	34.9
	2008	58.3	61.7	53.8	53.9	50.9	43.3	36.3	29.3	55.5	44.0
	1400	56.4	59.8	50.6	48.9	45.5	40.6	34.6	28.6	51.4	39.9
	734	57.2	59.1	48.7	48.6	45.1	39.3	33.1	26.8	50.7	39.2
580	0	57.8	57.9	48.2	47.6	44.7	38.6	31.0	23.4	49.9	38.4
	2426	63.9	67.6	60.2	59.0	56.7	49.4	42.3	35.3	61.2	49.7
	1692	62.4	65.7	57.5	54.4	50.9	46.2	40.3	34.3	57.1	45.6
	887	63.3	65.4	55.5	53.8	50.7	45.1	38.9	32.7	56.5	45.0
635	0	63.7	64.5	54.8	52.8	50.3	44.7	37.2	29.6	55.7	44.2
	2656	67.4	69.3	64.0	61.4	59.1	52.4	45.2	38.2	63.8	52.3
	1853	66.2	67.4	61.5	57.1	53.5	48.8	43.1	37.1	59.9	48.4
	971	67.0	67.2	59.7	56.2	53.3	47.9	41.7	35.4	59.1	47.6
720	0	66.8	66.3	58.9	55.3	52.7	47.4	40.2	32.6	58.4	46.9
	3012	72.3	72.2	69.3	64.8	62.5	56.6	49.2	42.2	67.6	56.1
	2101	71.4	70.3	67.0	60.8	57.1	52.5	46.9	40.9	63.9	52.4
	1101	72.1	70.4	65.5	59.6	56.9	51.7	45.5	39.3	63.1	51.6
772	0	71.2	70.0	64.6	58.8	56.2	51.3	44.3	36.7	62.4	50.9
	3229	75.0	73.8	72.3	66.6	64.4	58.9	51.4	44.4	69.7	58.2
	2252	74.4	72.0	70.1	62.8	59.1	54.5	49.0	43.0	66.2	54.7
	1181	74.9	72.2	68.8	61.5	58.8	53.8	47.7	41.4	65.4	53.9
841	0	73.6	72.0	67.8	60.8	58.1	53.4	46.6	38.9	64.7	53.2
	3518	78.4	75.8	75.9	68.9	66.7	61.8	54.1	47.1	72.5	61.0
	2454	77.9	74.0	73.8	65.4	61.5	57.0	51.6	45.6	69.2	57.7
	1286	78.4	74.4	72.8	63.8	61.3	56.4	50.3	44.1	68.4	56.9
909	0	76.6	74.6	71.7	63.2	60.4	56.0	49.4	41.7	67.6	56.1
	3802	81.4	77.7	79.2	71.0	68.8	64.4	56.6	49.6	75.0	63.5
	2652	81.2	75.8	77.2	67.7	63.8	59.2	54.0	48.0	71.9	60.4
	1390	81.6	76.5	76.4	65.9	63.5	58.8	52.7	46.5	71.2	59.7
960	0	79.3	76.9	75.2	65.4	62.5	58.4	51.9	44.3	70.4	58.9
	4016	83.5	78.9	81.5	72.5	70.3	66.2	58.3	51.3	76.9	65.4
	2801	83.5	77.1	79.6	69.3	65.3	60.8	55.6	49.6	73.9	62.4
	1468	83.8	77.9	78.9	67.4	65.0	60.4	54.4	48.1	73.2	61.7
1046	0	81.2	78.5	77.7	66.9	64.0	60.0	53.7	46.1	72.4	60.9
	4375	86.9	80.9	85.2	74.8	72.6	69.0	61.0	54.0	79.8	68.3
	3052	87.1	79.1	83.4	71.9	67.8	63.3	58.2	52.2	77.1	65.6
	1600	87.3	80.1	82.9	69.7	67.4	63.1	57.0	50.8	76.6	65.1
1114	0	84.2	81.0	81.6	69.3	66.4	62.6	56.5	48.9	75.6	64.1
	4660	88.3	83.1	86.7	77.2	74.3	70.9	63.1	56.0	81.6	70.1
	3250	88.4	81.5	84.8	74.4	69.6	65.1	60.1	54.1	78.9	67.4
	1704	88.8	82.4	84.5	72.3	69.2	64.9	58.9	52.7	78.4	66.9
1183	0	85.8	83.0	83.6	71.6	68.1	64.4	58.5	50.9	77.6	66.6
	4948	89.4	85.5	87.7	79.7	75.9	72.5	65.1	58.0	83.2	71.7
	3452	89.5	84.0	85.8	77.1	71.4	66.8	61.8	56.0	80.5	69.0
	1810	89.9	84.9	85.6	75.1	70.8	66.6	60.8	54.6	79.9	68.4
1251	0	86.8	85.1	84.6	74.3	69.8	66.1	60.3	52.9	79.1	67.6
	5233	90.3	87.6	88.7	82.1	77.4	74.0	67.0	59.7	84.8	73.3
	3650	90.4	86.4	86.8	79.5	73.1	68.4	63.4	57.7	82.0	70.5
	1914	90.8	87.1	86.6	77.7	72.3	68.2	62.5	56.3	81.4	69.9
1319	0	87.8	87.1	85.6	76.9	71.4	67.6	62.0	54.7	80.6	69.1
	5517	91.3	89.7	89.9	84.3	78.8	75.4	68.7	61.4	86.4	74.9
	3848	91.4	88.6	88.0	81.9	74.6	69.9	65.0	59.3	83.7	72.2
	2018	91.7	89.3	87.9	80.1	73.7	69.7	64.1	57.9	83.1	71.6
1388	0	88.7	88.9	87.2	79.3	72.8	69.1	63.6	56.5	82.4	70.9
	5806	92.1	91.7	91.1	86.5	80.2	76.8	70.4	63.5	88.0	76.5
	4050	92.3	90.7	89.2	84.1	76.1	71.4	66.4	60.8	85.4	73.9
	2123	92.6	91.4	89.2	82.5	75.1	71.1	65.6	59.5	84.9	73.4
1450	0	89.6	90.7	88.7	81.6	74.3	70.5	65.2	58.1	84.1	72.6
	6065	92.9	93.4	92.2	88.3	81.4	78.0	71.9	64.4	89.4	77.9
	4231	93.0	92.5	90.3	86.0	77.4	72.6	67.7	62.1	86.9	75.4
	2218	93.4	93.2	90.4	84.5	76.3	72.4	67.0	60.8	86.4	74.9
1525	0	90.4	92.2	90.0	83.6	75.5	71.7	66.5	59.6	85.6	74.1
	6379	93.8	95.3	93.3	90.5	82.7	79.4	73.6	66.0	91.1	79.6
	4449	93.9	94.6	91.5	88.2	78.9	74.0	69.2	63.7	88.7	77.2
	2333	94.3	95.2	91.7	86.9	77.6	73.8	68.5	62.4	88.1	76.6
	0	91.2	93.9	91.5	85.9	76.9	73.0	68.1	61.2	87.4	75.0

RTC-500

RPM	m3 /h	SOUND POWER								LW/A	dB(A)
		OCTAVE BANOS									
		1	2	3	4	5	6	7	8		
440	2997	62.5	64.2	57.3	57.0	53.0	45.4	38.4	31.4	58.2	46.7
	2090	60.7	62.2	53.9	51.9	48.0	42.9	36.9	30.9	54.1	42.6
	1096	61.2	61.2	52.3	51.6	47.5	41.6	35.4	29.1	53.4	41.9
	0	61.5	60.1	51.7	50.7	47.1	40.7	33.1	25.5	52.6	41.1
480	3269	64.6	67.9	59.7	59.3	55.9	48.2	41.2	34.2	60.9	49.4
	2280	62.7	66.0	56.5	54.4	50.5	45.5	39.5	33.5	56.9	45.4
	1196	63.5	65.3	54.6	54.1	50.2	44.3	38.0	31.8	56.2	44.7
	0	64.0	64.1	54.1	53.1	49.8	43.6	36.0	28.3	55.4	43.9
546	3719	67.9	72.7	63.5	62.8	60.1	52.3	45.3	38.3	64.9	53.4
	2594	66.2	70.8	60.8	58.1	54.3	49.4	43.4	37.4	61.0	49.5
	1360	67.1	70.6	58.6	57.7	54.1	48.2	42.0	35.7	60.4	48.9
	0	67.9	69.6	57.9	56.6	53.6	47.8	40.2	32.6	59.6	48.1
580	3950	70.2	73.8	66.1	64.4	61.7	54.4	47.2	40.2	66.6	55.1
	2756	68.7	71.9	63.4	59.9	56.0	51.1	45.3	39.3	62.7	51.2
	1445	69.6	71.6	61.4	59.3	55.8	50.1	43.8	37.6	62.0	50.5
	0	70.0	70.7	60.6	58.3	55.3	49.6	42.2	34.5	61.3	49.8
653	4448	74.8	76.1	71.1	67.6	64.9	58.3	51.0	44.0	70.0	58.5
	3102	73.7	74.2	68.6	63.4	59.4	54.6	48.9	42.9	66.3	54.8
	1626	74.4	74.1	66.9	62.5	59.1	53.7	47.5	41.2	65.5	54.0
	0	74.1	73.3	66.0	61.6	58.5	53.2	46.0	38.4	64.8	53.3
720	4904	78.6	78.4	75.2	70.2	67.6	61.6	54.1	47.1	73.0	61.5
	3421	77.7	76.5	72.9	66.3	62.1	57.4	51.8	45.8	69.5	58.0
	1793	78.4	76.6	71.4	65.1	61.9	56.6	50.5	44.2	68.7	57.2
	0	77.5	76.1	70.5	64.3	61.2	56.2	49.2	41.6	67.9	56.4
759	5170	80.7	79.6	77.5	71.7	69.0	63.3	55.8	48.8	74.7	63.2
	3606	79.9	77.7	75.2	67.8	63.7	58.9	53.4	47.4	71.2	59.7
	1890	80.5	77.9	73.9	66.6	63.4	58.2	52.1	45.9	70.4	58.9
	0	79.3	77.7	72.9	65.8	62.7	57.8	51.0	43.3	69.7	58.2
812	5531	83.3	81.2	80.3	73.5	70.8	65.6	57.9	50.9	76.8	65.3
	3858	82.8	79.3	78.2	69.8	65.6	60.9	55.5	49.5	73.6	62.1
	2023	83.3	79.7	77.0	68.4	65.3	60.3	54.2	47.9	72.8	61.3
	0	81.7	79.7	76.0	67.7	64.5	59.9	53.2	45.5	72.0	60.5
865	5892	85.8	82.7	83.0	75.2	72.5	67.7	59.9	52.9	78.9	67.4
	4110	85.4	80.8	80.9	71.7	67.4	62.7	57.4	51.4	75.8	64.3
	2155	85.8	81.3	80.0	70.1	67.1	62.2	56.1	49.9	75.0	63.5
	0	83.9	81.6	78.8	69.5	66.2	61.8	55.2	47.6	74.2	62.7
918	6253	88.1	84.1	85.5	76.8	74.1	69.6	61.8	54.8	80.9	69.4
	4361	87.9	82.2	83.5	73.5	69.1	64.4	59.2	53.2	77.9	66.4
	2287	88.3	82.9	82.7	71.7	68.8	64.0	57.9	51.7	77.2	65.7
	0	85.9	83.3	81.5	71.1	67.9	63.6	57.2	49.6	76.4	64.9
960	6539	89.8	85.1	87.4	78.0	75.3	71.1	63.3	56.3	82.4	70.9
	4561	89.8	83.2	85.5	74.8	70.4	65.7	60.6	54.6	79.6	68.1
	2391	90.1	84.0	84.8	72.9	70.1	65.4	59.3	53.1	78.9	67.4
	0	87.5	84.6	83.6	72.4	69.1	65.0	58.6	51.0	78.0	66.5
1025	6981	92.4	86.6	90.2	79.7	77.1	73.3	65.3	58.3	84.7	73.2
	4870	92.5	84.8	88.4	76.7	72.2	67.6	62.5	56.5	82.1	70.6
	2553	92.8	85.7	87.8	74.7	71.9	67.4	61.3	55.1	81.5	70.0
	0	89.7	86.6	86.6	74.2	70.9	66.9	60.8	53.2	80.5	69.0
1078	7342	94.0	88.0	92.0	81.3	78.5	74.9	67.0	59.9	86.4	74.9
	5121	94.2	86.3	90.1	78.5	73.7	69.1	64.1	58.1	83.7	72.2
	2685	94.5	87.2	89.8	76.3	73.3	68.9	62.9	56.6	83.3	71.8
	0	91.4	88.1	88.8	75.7	72.2	68.5	62.4	54.8	82.4	70.9
1131	7703	94.9	89.9	92.8	83.3	79.8	76.2	68.6	61.5	87.6	76.1
	5373	95.0	88.3	90.9	80.6	75.1	70.5	65.4	59.5	84.9	73.4
	2817	95.4	89.2	90.7	78.5	74.6	70.2	64.3	58.1	84.5	73.0
	0	92.3	89.7	89.7	77.8	73.6	69.8	63.9	56.4	83.7	72.2
1184	8064	95.7	91.7	93.6	85.2	81.0	77.5	70.1	62.9	88.8	77.3
	5625	95.8	90.2	91.7	82.6	76.5	71.8	66.8	60.9	86.2	74.7
	2949	96.2	91.1	91.5	80.6	75.8	71.5	65.7	59.5	85.6	74.1
	0	93.1	91.3	90.5	79.9	74.9	71.1	65.3	57.9	84.8	73.3
1237	8425	96.4	93.4	94.4	87.1	82.2	78.6	71.5	64.3	90.0	78.5
	5877	96.5	92.1	92.5	84.5	77.8	73.0	68.0	62.3	87.4	75.9
	3081	96.9	92.9	92.2	82.7	77.0	72.8	67.1	60.9	86.8	75.3
	0	93.9	92.9	91.3	81.9	76.1	72.3	66.6	59.3	86.0	74.5
1291	8793	97.2	95.0	95.3	88.9	83.3	79.8	73.0	65.7	91.3	79.8
	6133	97.3	93.9	93.4	86.4	79.0	74.2	69.3	63.6	88.7	77.2
	3216	97.7	94.6	93.3	84.6	78.2	74.0	68.4	62.2	88.1	76.6
	0	94.6	94.3	92.4	83.8	77.3	73.4	67.9	60.7	87.3	75.8
1344	9154	97.9	96.6	96.3	90.6	84.4	80.9	74.3	67.0	92.5	81.0
	6385	98.0	95.5	94.4	88.2	80.2	75.4	70.4	64.8	90.0	78.5
	3348	98.4	96.2	94.3	86.5	79.3	75.1	69.6	63.4	89.5	78.0
	0	95.3	95.7	93.6	85.6	78.4	74.5	69.2	62.0	88.7	77.2
1397	9515	98.5	98.1	97.2	92.2	85.4	81.9	75.6	68.2	93.8	82.3
	6637	98.7	97.2	95.3	89.9	81.4	76.5	71.6	66.0	91.3	79.8
	3480	99.0	97.8	95.3	88.3	80.3	76.2	70.8	64.6	90.8	79.3
	0	96.0	97.1	94.8	87.4	79.5	75.6	70.3	63.3	90.0	78.5
1450	9876	99.2	99.6	98.0	93.8	86.4	82.9	76.8	69.4	95.0	83.5
	6889	99.3	98.7	96.2	91.5	82.5	77.5	72.6	67.1	92.6	81.1
	3612	99.7	99.3	96.3	90.0	81.3	77.3	71.9	65.7	92.0	80.5
	0	96.7	98.4	95.9	89.1	80.5	76.6	71.5	64.5	91.3	79.8

RTC-575

		SOUND POWER OCTAVE BANDS									
		VOLUME	1	2	3	4	5	6	7		
330	3337	57	60	53	50	47	46	45	44	54	43
	2339	58	59	50	46	44	40	37	33	50	39
	1330	56	58	50	46	44	43	42	41	51	40
	0	54	57	49	46	44	43	44	44	52	40
360	3640	58	62	57	52	50	48	47	46	57	45
	2551	59	61	54	49	46	43	39	35	53	41
	1451	57	60	53	48	46	45	44	43	53	42
	0	56	60	53	48	46	45	46	46	54	43
415	4196	61	66	62	56	54	51	50	49	60	49
	2941	60	66	59	52	50	47	43	39	57	46
	1673	59	64	59	52	50	48	47	46	57	46
	0	59	63	59	51	50	48	49	49	58	46
480	4854	64	70	68	59	58	54	53	52	65	53
	3402	62	71	65	56	54	51	47	43	62	50
	1934	62	68	65	55	54	51	50	49	61	50
	0	62	67	65	55	54	51	52	52	62	50
534	5400	67	72	72	61	61	57	56	55	68	56
	3784	63	74	69	58	57	54	50	46	65	54
	2152	64	71	69	57	57	54	53	52	65	53
	0	64	70	69	57	57	54	54	54	65	53
580	5824	69	74	75	65	63	59	58	57	70	59
	4082	65	76	72	62	59	56	52	48	67	56
	2321	66	73	72	61	59	56	55	53	67	56
	0	66	72	72	60	58	56	56	56	67	55
636	6431	71	75	77	68	65	62	60	59	72	61
	4507	67	77	75	65	61	58	55	51	70	59
	2563	69	74	74	65	61	58	57	56	70	58
	0	70	73	74	64	61	58	58	58	69	58
687	6947	73	77	79	71	66	64	62	61	75	63
	4869	69	78	78	68	63	60	57	53	72	61
	2769	71	76	77	68	62	60	59	58	72	60
	0	72	75	76	67	62	60	59	60	72	60
720	7281	74	78	80	73	68	65	63	62	76	64
	5103	70	78	79	70	64	61	58	54	74	62
	2902	73	76	78	70	64	62	60	59	73	62
	0	74	75	77	69	63	62	60	61	73	61
789	7978	77	80	82	77	70	67	65	64	79	67
	5591	73	79	82	74	66	64	60	56	77	65
	3180	76	78	80	73	66	64	62	61	76	64
	0	77	77	80	73	65	64	62	63	75	64
841	8504	79	81	84	79	71	69	66	65	81	69
	5960	75	80	84	76	68	66	62	58	79	67
	3389	77	79	82	76	67	66	63	62	78	66
	0	79	79	81	76	67	66	64	64	77	66
892	9020	80	82	85	82	73	71	68	67	82	71
	6321	76	80	86	79	69	67	64	60	81	69
	3595	79	80	84	78	69	67	65	64	80	68
	0	81	80	83	78	68	67	65	65	79	68
960	9707	82	84	87	85	74	73	69	68	85	73
	6803	78	81	88	81	71	69	66	62	83	71
	3869	82	81	86	81	70	69	66	65	82	70
	0	83	81	85	81	70	69	67	67	82	70
994	10051	83	84	88	86	75	74	70	69	86	74
	7044	79	81	89	83	72	70	67	63	84	73
	4006	83	82	87	83	71	70	67	66	83	72
	0	84	82	86	83	71	70	67	68	83	71
1045	10567	84	85	89	88	76	75	71	70	87	76
	7406	80	82	91	85	73	71	68	64	86	74
	4212	84	83	88	85	72	71	68	67	85	73
	0	86	83	87	85	72	71	68	69	84	73
1096	11083	85	87	90	89	78	76	72	71	89	77
	7767	81	83	92	87	75	72	69	66	87	76
	4417	85	84	89	87	74	72	69	68	86	75
	0	87	84	88	86	73	72	69	70	86	74
1147	11598	86	88	91	91	80	77	74	72	90	78
	8129	82	84	93	88	76	74	71	67	88	77
	4623	86	85	90	88	76	73	71	69	87	76
	0	88	86	89	88	75	73	71	74 ⁶	87	75
1198	12114	87	89	92	92	81	78	75	73	91	79
	8490	83	85	94	89	78	75	72	68	90	78
	4828	87	86	91	89	77	74	72	70	88	77
	0	89	87	90	89	77	74	72	72	88	77
1249	12630	88	90	93	93	83	79	76	74	92	81
	8851	84	86	95	91	80	76	73	69	91	79
	5034	88	88	92	90	79	75	73	71	90	78
	0	89	88	90	90	79	75	73	72	89	78
1300	13145	88	91	93	94	84	80	77	75	93	82
	9213	84	87	95	92	81	77	74	70	92	80
	5239	88	89	92	91	81	76	74	72	91	79
	0	90	90	91	91	80	76	74	73	90	79

RTC-675

		SOUND POWER									
		OCTAVE BANOS									
RPM	VOLUME	1	2	3	4	5	6	7	8	LWia	dB(A)
280	4580	66	59	55	52	50	49	46	43	56	45
	3210	66	57	54	49	46	42	36	29	52	40
	1826	68	56	52	48	45	42	38	34	51	40
	0	70	56	50	48	44	42	41	39	52	40
323	5284	71	63	58	56	53	53	50	47	60	48
	3703	71	62	58	53	49	47	40	33	56	45
	2106	74	61	56	52	48	46	42	38	56	44
	0	77	61	54	52	48	46	44	43	56	45
360	5889	72	67	61	59	55	56	53	50	63	51
	4127	73	65	61	56	52	50	44	37	59	48
	2347	76	65	59	55	51	49	45	41	59	47
	0	79	65	57	55	50	49	47	45	59	47
415	6723	74	73	66	63	59	59	57	54	66	55
	4712	74	71	65	61	56	54	48	41	63	52
	2680	77	72	64	59	55	52	48	44	63	51
	0	79	73	62	59	54	52	50	48	63	51
453	7410	76	76	69	65	61	61	59	56	69	57
	5193	75	75	68	63	58	56	51	44	66	55
	2953	78	76	66	62	57	54	51	47	66	54
	0	81	78	65	61	57	54	52	51	66	55
480	7852	76	78	71	67	63	62	60	57	70	59
	5503	75	78	70	65	60	57	53	46	68	56
	3129	78	79	68	63	59	56	53	49	68	56
	0	81	81	68	62	58	56	54	52	68	57
539	8817	78	83	75	69	66	64	63	60	74	62
	6179	76	83	73	68	63	60	56	50	72	60
	3514	79	85	72	66	62	59	56	52	72	61
	0	82	87	72	65	62	59	57	55	73	62
580	9422	79	86	77	71	68	66	65	62	76	64
	6604	77	86	76	70	65	62	59	52	74	63
	3755	79	89	75	69	64	61	58	54	75	64
	0	82	90	75	67	64	60	58	56	76	65
625	10224	80	89	80	73	70	67	67	64	78	67
	7165	77	89	78	73	67	63	61	54	77	65
	4075	80	92	78	70	66	62	60	56	78	67
	0	83	95	77	69	66	62	60	59	80	69
668	10927	81	90	82	75	72	69	69	66	80	68
	7658	78	91	80	75	69	65	63	56	79	67
	4355	80	94	80	72	68	64	62	58	80	68
	0	84	96	80	71	68	64	62	60	81	70
720	11778	82	91	85	77	74	70	71	68	82	70
	8255	78	92	83	77	71	67	65	59	80	69
	4694	81	95	82	74	70	66	64	60	81	70
	0	84	97	83	73	70	66	64	62	83	71
755	12350	83	92	86	78	75	71	72	69	83	72
	8656	79	92	85	78	72	68	66	60	82	70
	4922	82	95	85	76	71	67	65	61	82	71
	0	85	98	85	74	71	67	65	63	84	72
798	13054	84	92	89	80	77	73	73	71	85	73
	9149	80	93	87	80	74	70	68	62	83	72
	5203	83	96	87	78	73	69	66	63	84	72
	0	86	98	88	76	72	68	66	64	85	73
841	13757	85	93	91	82	78	74	74	72	86	75
	9642	81	93	89	82	75	71	69	63	85	73
	5483	84	96	90	80	74	70	68	64	85	74
	0	87	98	91	78	74	70	67	66	86	75
884	14461	86	94	92	84	79	76	75	73	88	76
	10135	82	93	92	83	77	73	70	65	86	75
	5763	84	96	93	81	76	72	69	66	87	75
	0	87	99	94	80	75	71	69	67	88	76
927	15164	86	95	94	85	80	77	76	75	89	78
	10628	83	94	94	85	78	74	71	67	88	76
	6044	85	97	95	83	77	73	70	67	88	77
	0	88	99	96	82	76	73	70	68	90	78
960	15704	87	95	96	86	81	78	77	76	90	79
	11006	83	94	95	86	79	75	72	68	89	77
	6259	86	97	97	84	78	74	71	68	90	78
	0	89	100	98	83	77	74	71	69	91	79
1014	16587	88	96	98	88	83	80	78	77	92	80
	11625	84	94	98	87	81	76	73	69	91	79
	6611	87	97	99	86	79	75	72	69	92	80
	0	90	100	101	85	78	75	72	70	93	82
1057	17291	89	96	99	90	84	81	79	78	93	82
	12118	85	95	99	89	82	78	74	71	92	81
	6891	88	97	101	88	80	77	73	70	94	82
	0	91	100	103	87	79	76	73	71	95	84
1100	17994	89	97	101	91	85	82	80	79	95	83
	12611	86	95	101	90	83	79	75	72	94	82
	7172	88	98	103	89	82	78	74	72	95	84
	0	91	101	105	88	80	77	74	72	97	86

RTC-750

	m³/h	SOUND POWER								LW(A)	dB(A)
		OCTAVE BANDS									
RPM	VOLUME	1	2	3	4	5	6	7	8		
250	5610	61	61	52	52	48	47	46	45	55	44
	3932	62	58	49	48	45	41	37	33	51	39
	2236	60	58	48	48	45	44	43	42	52	41
	0	59	58	48	48	45	46	46	46	54	42
291	6530	64	66	57	56	52	51	50	49	59	48
	4576	66	64	54	52	49	45	41	37	55	44
	2603	63	64	53	52	49	48	47	46	56	45
	0	62	63	53	52	49	49	49	49	57	46
331	7427	67	70	62	59	56	54	53	52	63	51
	5205	68	68	59	55	52	49	45	41	59	47
	2960	65	67	59	55	52	51	50	49	60	48
	0	64	67	58	54	52	52	52	52	60	49
360	8078	68	72	66	61	58	56	55	54	65	53
	5662	69	71	62	57	54	51	47	43	61	50
	3220	67	69	62	57	54	53	52	51	62	50
	0	66	69	62	56	54	53	54	54	62	51
415	9312	71	75	71	64	62	59	58	57	69	57
	6526	70	75	68	60	58	55	51	47	66	54
	3712	69	73	68	60	58	56	55	54	66	54
	0	69	73	68	60	58	56	57	57	66	55
453	10165	73	77	75	66	64	61	60	59	71	60
	7124	71	78	72	63	60	57	53	49	68	57
	4051	71	76	71	62	60	58	57	56	68	57
	0	71	75	71	62	60	58	59	59	68	57
480	10771	74	79	77	67	66	62	61	60	73	62
	7549	72	80	74	64	62	59	55	51	70	59
	4293	72	77	74	63	62	59	58	57	70	58
	0	72	76	74	63	62	60	60	60	70	59
534	11983	76	81	81	70	69	65	64	63	76	65
	8398	73	83	78	67	65	62	58	54	74	62
	4776	73	80	78	66	65	62	61	60	73	62
	0	74	79	78	65	65	62	62	62	73	62
580	13015	78	83	83	73	71	67	66	65	78	67
	9121	74	85	81	70	67	64	60	56	76	65
	5187	76	82	80	69	67	64	63	62	76	64
	0	76	81	80	69	67	64	64	64	75	64
615	13800	80	84	85	75	72	69	67	66	80	69
	9672	76	86	83	72	68	65	62	58	78	66
	5500	78	83	82	71	68	65	64	63	77	66
	0	78	82	82	71	68	65	65	65	77	65
655	14698	82	85	86	78	73	70	69	68	82	70
	10301	78	87	85	75	70	67	63	59	79	68
	5858	80	84	84	74	69	67	66	65	79	67
	0	80	83	83	74	69	67	66	67	79	67
696	15618	83	86	88	80	75	72	70	69	83	72
	10946	79	87	87	77	71	69	65	61	81	70
	6225	81	85	86	76	71	69	67	66	81	69
	0	82	84	85	76	71	69	68	68	80	69
720	16156	84	87	89	81	76	73	71	70	84	73
	11323	80	88	88	78	72	70	66	62	82	71
	6439	83	86	86	78	72	70	68	67	82	70
	0	83	85	86	78	72	70	69	69	81	70
777	17435	86	89	91	84	77	75	73	72	87	75
	12219	82	88	90	81	74	72	68	64	85	73
	6949	85	87	89	81	73	72	70	69	84	72
	0	86	86	88	81	73	72	70	70	83	72
817	18333	88	90	92	86	79	76	74	73	88	77
	12849	84	89	92	83	75	73	69	66	86	75
	7307	86	88	90	83	75	73	71	70	85	74
	0	88	87	89	83	74	73	71	71	85	73
858	19253	89	91	93	88	80	78	75	74	90	78
	13493	85	89	93	85	76	74	71	67	88	76
	7673	88	89	91	85	76	74	72	71	87	75
	0	89	88	91	85	76	74	72	73	86	75
898	20150	90	92	94	90	81	79	76	75	91	79
	14122	86	90	95	87	78	75	72	68	89	78
	8031	89	89	93	87	77	75	73	72	88	77
	0	91	89	92	87	77	75	73	74	88	76
939	21071	91	93	95	92	82	80	77	76	92	81
	14767	87	90	96	89	79	76	73	69	91	79
	8398	91	90	94	89	78	77	74	73	90	78
	0	92	90	93	89	78	77	74	74	89	78
960	21542	92	93	96	93	82	81	77	76	93	81
	15097	88	90	97	90	79	77	74	70	91	80
	8586	91	90	94	90	78	77	74	73	90	79
	0	93	91	93	90	78	77	75	75	90	78
1020	22888	94	94	97	95	84	83	79	78	95	83
	16041	90	91	99	92	81	79	76	72	93	82
	9122	93	91	96	92	80	79	76	75	92	81
	0	95	92	95	92	79	79	76	76	92	80

RTC-900

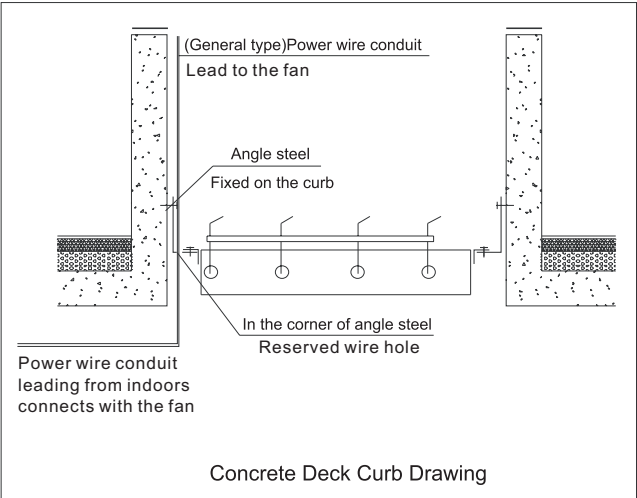
RPM	m³/h	SOUND POWER OCTAVE BANOS								LWia	dB(A)
		1	2	3	4	5	6	7	8		
250	8243	65	64	61	59	56	51	45	38	61	48
	5788	65	63	60	57	53	49	45	41	59	47
	3287	64	64	62	63	62	60	57	54	67	55
	0	64	64	59	58	58	54	49	44	62	49
288	9496	68	68	65	62	60	56	49	42	65	52
	6667	68	68	63	61	57	53	49	45	63	51
	3786	67	68	65	66	65	64	61	58	70	58
	0	67	68	63	61	61	58	53	48	66	53
327	10782	71	72	68	66	63	60	53	46	68	56
	7570	71	72	67	64	61	56	52	48	67	54
	4299	70	73	68	69	68	67	64	61	74	61
	0	69	73	66	63	64	62	57	52	69	56
360	11870	73	75	71	68	65	63	56	49	71	58
	8334	73	75	69	67	64	59	55	51	69	57
	4733	71	76	70	71	70	70	67	64	76	63
	0	71	76	69	65	67	65	60	55	72	59
442	14573	79	80	77	74	71	68	63	56	76	64
	10232	79	80	76	72	69	65	61	57	75	62
	5811	78	81	76	75	75	75	72	69	81	68
	0	77	81	76	71	71	70	66	61	77	64
480	15826	81	82	79	76	73	70	65	58	79	66
	11112	81	82	78	74	71	67	63	59	77	65
	6310	80	82	79	77	77	76	74	71	83	70
	0	80	82	79	73	73	72	68	63	79	66
519	17112	84	84	82	78	75	72	68	61	81	68
	12015	84	84	81	76	73	69	65	61	79	67
	6823	83	84	81	78	79	78	76	73	85	72
	0	83	83	82	72	68	68	62	55	77	65
557	18365	86	86	84	80	77	74	70	63	83	70
	12895	86	86	83	78	75	71	67	63	81	69
	7323	86	85	84	80	80	80	78	75	86	74
	0	86	85	84	77	75	76	72	67	83	70
580	18992	87	87	85	81	78	75	71	64	84	71
	13334	87	87	85	79	76	73	68	64	83	70
	7573	87	86	85	81	81	80	79	76	87	75
	0	87	86	85	79	77	78	75	70	84	72
634	20904	90	89	88	83	80	77	74	67	86	74
	14677	90	89	88	82	79	75	70	66	85	72
	8335	90	87	88	83	83	83	82	79	89	77
	0	90	87	88	81	78	79	76	71	86	74
673	22190	92	90	90	85	82	79	76	69	88	75
	15580	92	90	90	83	80	77	72	68	87	74
	8848	92	88	90	84	84	84	83	80	91	78
	0	92	88	90	83	79	80	78	73	88	75
720	23739	94	91	92	86	83	80	78	71	90	77
	16668	94	91	92	85	82	79	74	70	89	76
	9466	95	90	93	85	86	86	85	82	93	80
	0	95	89	93	85	80	82	80	75	90	77
749	24696	95	92	93	87	84	81	79	72	91	78
	17339	95	92	93	86	83	80	75	71	90	77
	9847	96	90	94	86	87	86	86	83	94	81
	0	96	90	94	86	81	83	81	76	91	78
788	25982	96	94	94	89	86	83	80	74	92	80
	18242	96	94	94	88	84	81	77	72	91	79
	10360	97	92	95	88	88	88	87	84	95	82
	0	97	92	95	88	82	84	82	77	92	79
826	27234	97	95	95	90	87	84	82	75	93	81
	19122	97	95	95	89	86	83	78	74	92	80
	10859	98	94	96	89	89	89	88	85	96	83
	0	98	94	96	89	84	85	83	79	93	81
865	28520	98	97	97	92	88	85	83	77	95	82
	20025	98	97	97	91	87	84	79	75	94	81
	11372	99	95	97	91	90	90	89	87	97	84
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903	29773	98	98	98	93	89	86	84	78	96	83
	20904	98	98	98	92	88	85	80	76	95	82
	11872	99	97	98	92	91	91	90	88	98	85
	0	99	97	98	92	86	87	86	81	95	83
960	31653	99	100	99	95	91	88	85	80	97	85
	22224	99	100	99	94	90	87	82	78	97	84
	12621	100	99	99	95	92	92	92	89	99	87
	0	100	99	99	95	88	88	87	83	97	84
980	32312	100	100	100	96	91	88	86	81	98	86
	22687	100	100	100	95	90	87	83	78	97	85
	12884	101	100	99	95	92	92	92	90	100	87
	0	101	100	99	95	89	88	88	84	97	85

RTC-1000

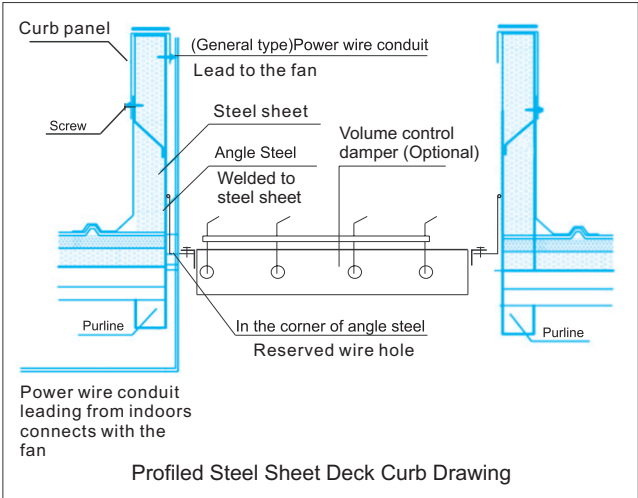
	m³/h	SOUND POWER									
		OCTAVE BANOS									
RPM	VOLUME	1	2	3	4	5	6	7	8	LWia	dB(A)
250	11307	69	68	64	62	59	55	48	41	64	53
	7939	69	67	63	61	56	52	48	44	62	51
	4509	68	67	65	66	65	64	61	57	70	59
	0	68	67	62	62	61	58	53	48	65	54
287	12981	72	72	68	66	63	59	52	46	68	56
	9114	72	71	67	64	60	56	52	48	66	55
	5176	71	72	68	69	69	67	64	61	74	62
	0	71	72	66	64	65	61	56	51	69	57
325	14699	75	76	71	69	66	63	56	49	71	60
	10321	75	75	70	67	64	59	55	51	70	58
	5861	73	76	71	72	71	70	67	64	77	65
	0	73	76	70	67	68	65	60	55	72	61
360	16282	77	79	74	71	68	66	59	53	74	63
	11432	77	79	73	70	67	62	58	54	73	61
	6492	75	80	73	74	74	73	70	67	79	68
	0	75	80	73	68	70	68	63	58	75	63
415	18589	81	82	78	75	72	70	64	57	78	66
	13052	81	82	77	74	71	66	62	58	77	65
	7412	79	83	77	77	76	76	73	70	82	71
	0	79	83	77	73	74	73	69	64	79	68
437	19765	82	84	80	77	73	71	65	59	79	68
	13877	82	84	79	75	72	68	63	59	78	66
	7881	81	84	79	78	78	78	75	72	84	72
	0	81	84	79	74	74	73	69	64	80	68
480	21710	85	86	83	79	76	73	68	62	82	70
	15243	85	86	82	78	75	70	66	62	80	69
	8656	84	86	82	80	80	80	78	74	86	74
	0	84	86	82	76	76	75	71	66	82	70
512	23157	87	88	85	81	78	75	70	64	84	72
	16259	87	88	84	79	76	72	68	64	82	71
	9233	86	87	84	81	81	81	79	76	88	76
	0	86	87	84	78	77	77	73	68	84	72
549	24830	89	89	87	83	79	77	73	66	86	74
	17434	89	89	86	81	78	74	70	66	84	73
	9901	89	88	87	83	83	83	81	78	89	78
	0	89	88	87	80	78	79	75	70	85	74
580	26052	91	91	89	84	81	78	74	68	87	76
	18291	91	91	88	83	80	76	71	67	86	74
	10388	91	89	89	84	84	84	82	79	90	79
	0	91	89	89	82	80	81	78	73	88	76
624	28223	93	92	91	86	83	80	77	70	89	78
	19816	93	92	90	85	81	78	73	69	88	76
	11253	93	91	91	85	86	86	84	81	92	81
	0	93	90	91	84	81	82	79	74	89	77
661	29896	95	93	93	87	84	81	78	72	91	79
	20991	95	93	92	86	83	80	75	71	89	78
	11920	95	92	93	87	87	87	86	83	94	82
	0	95	91	93	86	82	83	81	76	90	79
698	31569	97	94	94	89	86	83	80	73	92	81
	22166	97	94	94	87	84	81	76	72	91	79
	12588	97	93	95	88	88	88	87	84	95	84
	0	97	92	95	87	83	84	82	77	92	80
720	32564	98	95	95	90	87	84	81	74	93	81
	22864	98	95	95	88	85	82	77	73	92	80
	12985	98	93	96	88	89	89	88	85	96	84
	0	99	93	96	88	83	85	83	78	93	81
773	34962	99	97	97	92	88	85	83	77	95	83
	24547	99	97	97	90	87	84	79	75	94	82
	13940	100	95	98	90	91	90	90	87	98	86
	0	100	95	98	90	85	87	85	80	95	83
811	36680	100	98	98	93	90	87	84	78	96	85
	25754	100	98	98	92	88	85	81	76	95	84
	14626	101	97	99	92	92	91	91	88	99	87
	0	101	96	99	92	87	88	86	81	96	84
848	38354	101	99	99	94	91	88	85	79	97	86
	26929	101	99	99	93	90	87	82	78	96	85
	15293	102	98	100	94	92	92	92	89	100	88
	0	102	98	100	94	88	89	87	83	97	85

Roof Curb Fabrication Details

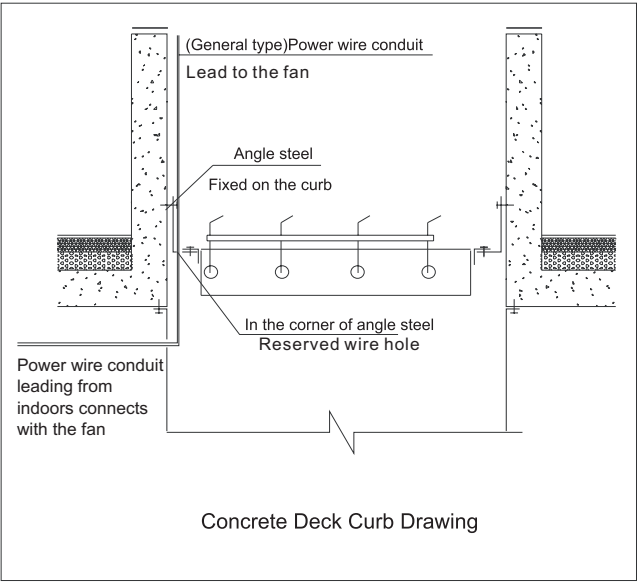
NON DUCTED



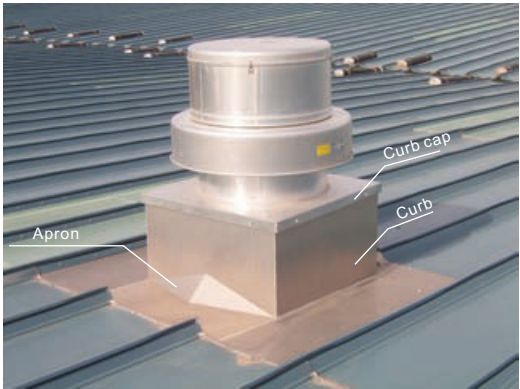
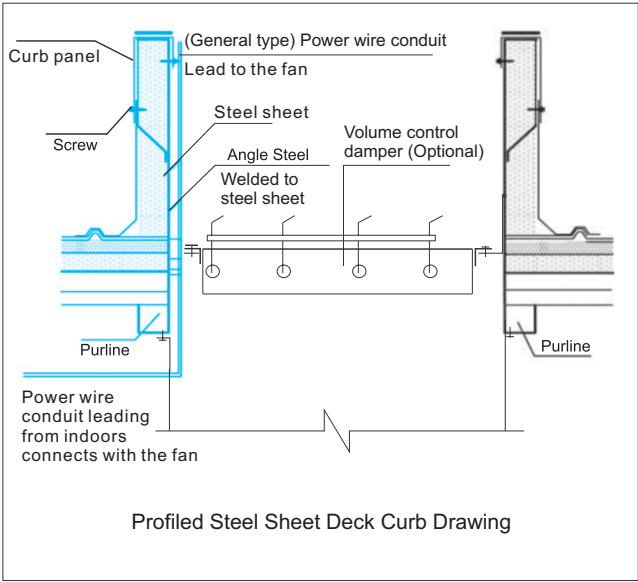
NON DUCTED



DUCTED



DUCTED



Apron



Used for rainwater diversion to protect the curb from direct rain wash.

Installation

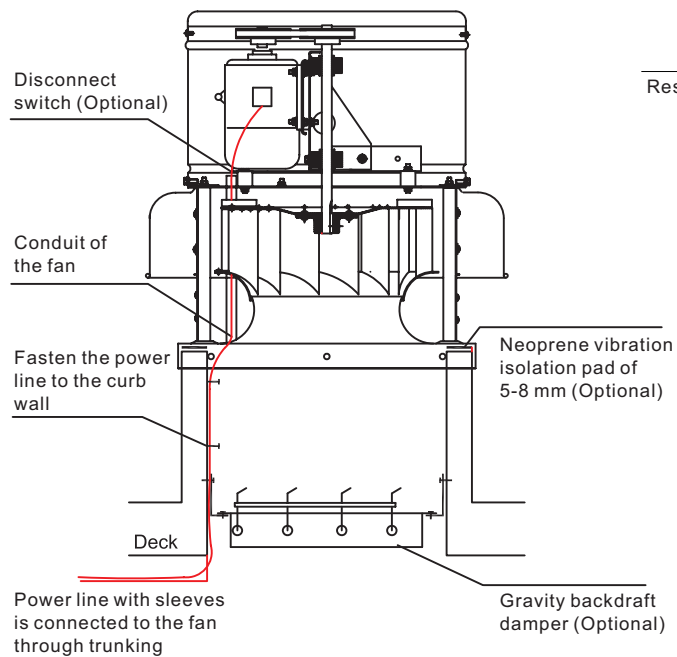


Figure1: Installation of RTC-GT Fans for General Type

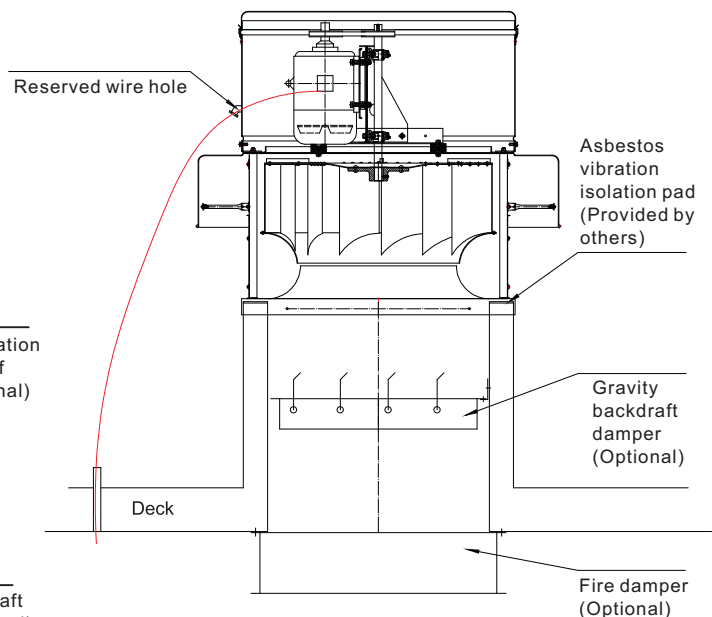


Figure2: Installation of RTC-SR Fans for Smoke Removal

- ### Fan Size and Rooftop Structure Dimension

Please see Page 17 for the fan size and roof opening dimension that shall be provided to the contractor in the early stage of construction.

- ### Curb Construction

A. The roof curb is used as a roof support structure. It is a raised frame from the roof opening used to mount mechanical units and to divert rain water away from roof. The contractor is responsible for the curb fabrication and manufacturing processes. Figure 1 and Figure 2 are for reference only. Different models of curbs shall have sides different in thickness (a 60-80 mm range is recommended).

B. For the fan to be placed on the curb, there shall be a vibration isolation pad of proper thickness in between (asbestos vibration isolation pad for smoke removal type). The vibration isolation pad will also act as a sealant. Its thickness shall be designed to ensure excellent elastic properties even with the load of the fan. The pad shall be provided by the construction unit.

- ### Fan Fastening

Secure fan's curb cap to the roof curb using self-tapping screws per side as shown in Figure 1 and Figure 2. The fan must not be tilted but kept stable and level.

- ### Power Supply Wiring

When used for general ventilation and explosion proof applications, the wiring routes go from inside the curb up through the conduit and lead to the motor, as shown in Figure 1. When used for smoke removal, the power supply line runs through the reserved wiring hole and lead to the motor, as shown in Figure 2

After the wiring work is completed, the unit must be energized for testing. The rotation must be checked to ensure it rotates in the right direction as specified. If it's the wrong direction, simply interchange any two of the three line leads. Reverse rotation is prohibited!

Product Specification

- **Section 1: Quality Standards**

Fan data shall be obtained from experimental tests. AMCA Seal for Sound and Air Performance shall be tagged on each fan before leaving the factory. RTC fans are UL listed fans UL705:2017 by ETL, USA - INTERTEK.

The rooftop centrifugal exhaust fans are complied with AMCA Standard 210 & 300.

- **Section 2: Fan Type**

The fan shall be rooftop centrifugal exhaust fan 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: Fan Material**

The housing, wheel and curb cap shall be constructed of aluminum alloy. The fan shall be of silver color to match well with buildings.

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

Shaft: The shaft shall be heat treated through homogenizing furnace to the hardness level of HB250, 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 and also be adjustable on the jobsite. Conical type bushings shall be equipped for easy removal of the pulleys.

Bearings: Metal bearings shall be used to support the fan shaft to avoid vibrations directly coming onto the motor. The bearing L10 rating life shall be 80, 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.

- **Section 5: Motor**

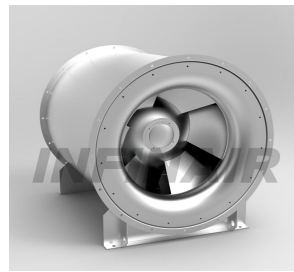
The motor shall be carefully matched to the fan load. It shall be IP55 rated with Class F Insulation. The motor bearing shall be of ball type and lubrication- free. Out of the air stream shall the motor and drive mechanism be located to avoid grease or dirt accumulation. IP55 rating is optional. Motor brand can be designed according to customer needs



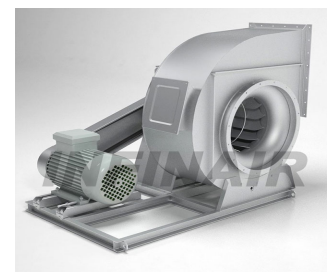
High Pressure Axial Fan



Roof Exhaust Fan



Mix Flow Fan



SISW Centrifugal Fan



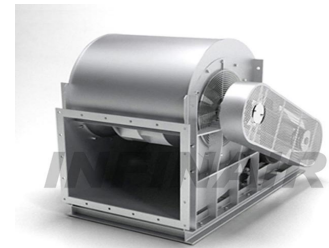
Axial Wall Fan



DIDW Fan



Heavy Industrial Fan



Medium Duty Ind. Fan



Jet Fan

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RTC-10.October-2019-V01