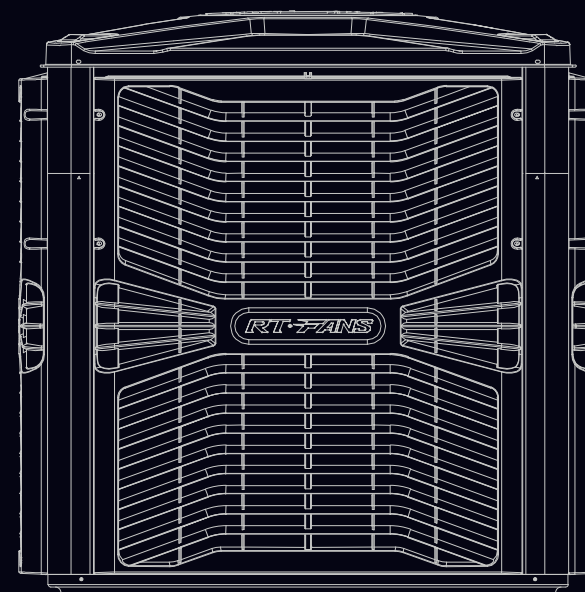


*Save Energy, Stay Cool.*

# BIG SPACE

## Ventilation & Cooling Solution Leader

**COMBO** HVLS Fan & Air Cooler



Manufacturing



Warehousing Logistics



Public Space



Commercial Space



Animal Husbandry

#### KOOL AIR INTERNATIONAL DEVELOPMENT LIMITED

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#### GUANGDONG RUITAI VENTILATION AND COOLING EQUIPMENT CO., LTD

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# RT-FANS





# FAN & COOLER COMBO

Your perfect solution FOR **BIG**  
Ventilation & Cooling **SPACE**

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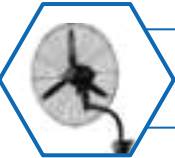






## HVLS Fan Advantages

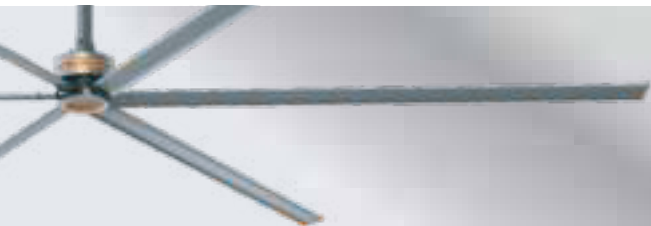
## Compare with Wall Fan



 HVLS Fan		 Wall Fan
Cover 1,500m <sup>2</sup> per unit with 15,500m <sup>3</sup> /min, full space covered with its 7.3m diameter fan blade.	Area Coverage	Wind can only reach to the area in the front of the fan, can not work well if people move frequently.
Installation on ceiling, simple and elegant, space saving	Convenience	Mounted on the wall or standing on floor, consume lots of space.
Tridimensional and natural breeze from all directions, with most comfortable wind speed 1-3m/s, with less noise.	Comfortable Level	High speed wind and noisy during operation, not comfortable.
Almost zero maintenance under proper installation.	Maintenance	Need maintenance and clean frequently.
10-15 years	Life span	3-5 years

	 HVLS Fan	 Wall Fan
Fan Diameter (m)	7.3	0.75
Power (kW)	1.5	0.36
Air Flow (m <sup>3</sup> /min)	15,500	300
Effective Area (m <sup>2</sup> )	1,500	30
Factory Area (m <sup>2</sup> )	9,000	9,000
Total Units Installed	6	300
Total Kw Installed	9	108
Consumption/Year @10hrs/day @26 days/mth	28,080	336,960

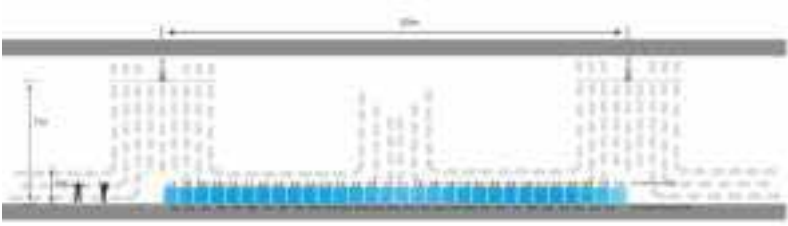
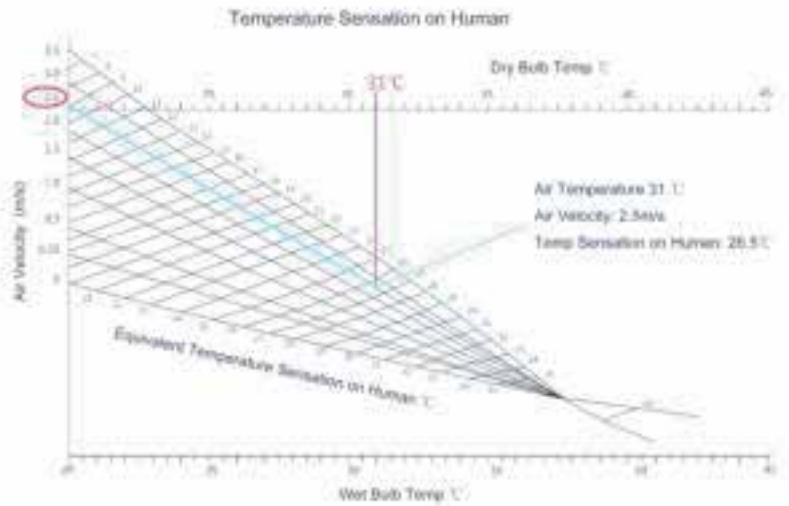
Remark: Figures base on 9000m<sup>2</sup> workspace area



# Functions-HVLS Fan

## Wind Chill Effect

The air passes over human skin (Similar to a fan created effect) thereby causing a lower temperature sensation.



## Natural Ventilation

Air exchange with outside fresh air rapidly through the window or roof ventilator, reducing the turbid air and providing people a comfortable environment.

## Dehumidification

HVLS fan can accelerate the air mixing of whole space which helps to distribute and absorb the odours, smoke and humidity very well, thus to improve the quality of air and provide a fresh, arid and safe environment.

	RH Value					
Normal RH	30%	40%	50%	60%	70%	80%
RH with HVLS Fan Running	27%	35%	43%	50%	58%	65%
RH Decreased By No.	3%	5%	7%	10%	12%	15%
RH Decreased By %	10.00%	12.50%	14.00%	16.67%	17.14%	18.75%

# Application

As the leading brand in HVLS fans and Evaporative Air coolers, RTFANS has a complete product portfolio, the diameter of the HVLS fan is 2.7M to 7.3M, the air volume of the air cooler is 6,000m<sup>3</sup>/h to 60,000m<sup>3</sup>/h. Our products have a wide application range and remarkable effect, as well as proven superb quality.



Factory



Workshop



Manufacturing



Warehouse



Logistic Center



Airport



Metro Station



Waiting Room



Garage



Gym



Restaurant



Dairy Farm

# The core Technology



**Motor & Reduction Gears** | Customized By Germany Nord

- German "Nord" customized coaxial bevel reduction gears with diameter of axle 40mm.
- German "Simrit" double oil seal design, durable and reliable.
- "Shell" top class "Omala" S4 lubrication oil, zero maintenance for over 20,000 hours.
- IE3 high efficiency motor with imported "SKF-VL" bearing, save energy by 10-15% than IE1 motor.



**Fan Blade** | Aircraft Aluminum Alloy AA6063T6511

- Adopt High strength aircraft aluminum alloy: AA6063T6511, PVFD surface coating.
- Patented airfoil design, and special reinforcing rib supporting system, increase the strength and flexibility.
- Inner equipped steel cable design to prevent fan blade falling.



**PMSM Motor** | High efficiency Direct Drive Motor

- High efficiency PMSM (permanent magnet direct drive) motor with high efficiency and long service time.
- Inner rotor motor, better heat-dissipation performance and higher insulation protection Ip64.
- Plug-in automatic temperature protection to avoid any risk of demagnetization.
- Benefit from inner rotor structure, Multi-point installation can improve the stress of the fan motor, more safe and reliable.
- Compact and light weight design, no space limitation and easy to install.



**Hub Wheel** | Patented Anti-Falling Device: 202220632562.3

- Innovative double chassis design, more safe and steady.
- Adopt high strength aircraft aluminum alloy: AA6063T6511.
- Forged by 1000T machine with 570Mpa extension strength.
- T6 heat processing.





# The core Technology



**Blade Holder** | Aircraft Aluminum Alloy AA7075

- Adopt Aeronautic Aluminum Alloy(AA7075)
- Adopt high pressure forging technology with better mechanical property, higher strength and toughness.
- With T6 thermal treatment process & CNC precision machining, 40 times strength test.



**VFD Controller** | Denmark Danfoss

- Denmark "DANFOSS" VFD inverter, with stepless speed regulation.
- Ip55 protection grade and NEMA 1 standard control box.
- "Schneider" brand electrical sets, with safety protection module inside.



**Cardan Joint** | Soft connection between Fan & Building

- Unique Cardan joint design, used for HVLS fan balance when it installs at a slope building structure.
- Soft connection between the building structure and the HVLS fan, working as a human beings' joint, to decrease the shocking of a fan during running.

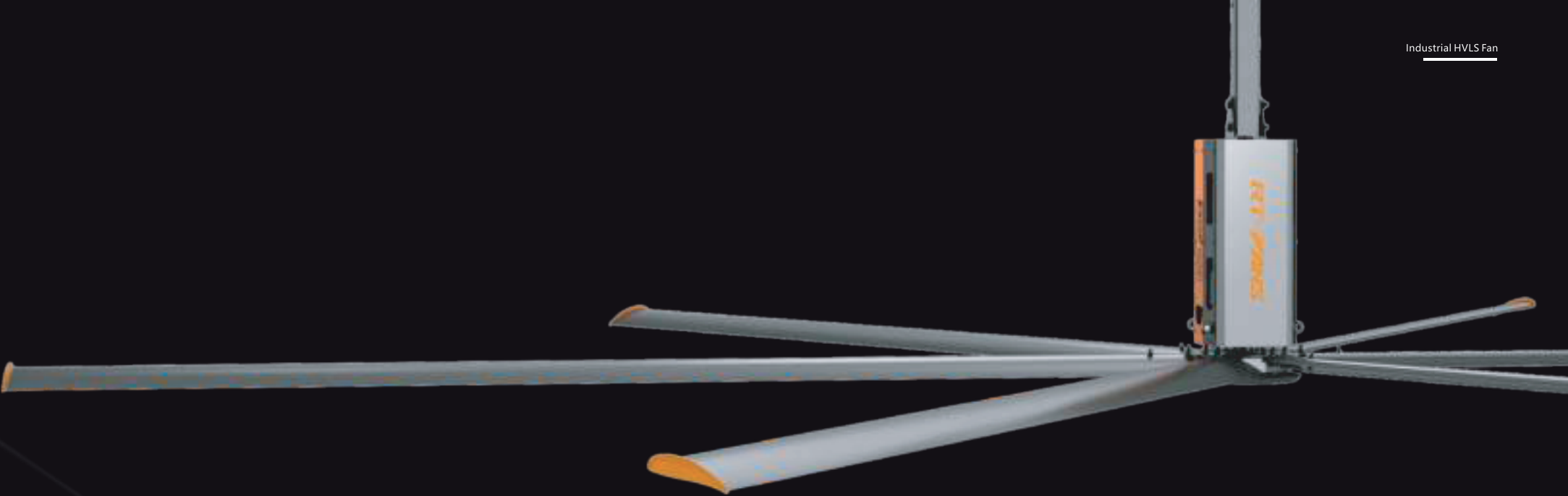


**VFD Controller** | RTFANS Exclusive Design

- RTFANS Exclusive Design Split-type Controller for commercial HVLS fan.
- USA high-end TI Chip, high output torque and better anti-electromagnetic Interference, lower electromagnetic noise.
- Stepless speed regulation, Time display, Timer On/Off, Power-off memory function, Working time display, etc.
- Muti-Safety protection, Open-phase, Over-current, Lock-rotor overload, Over-voltage, Under voltage, Over Temperature Protection, etc.

# King Series

Industrial HVLS fan



Applicable Height: 6-20 Meters



\*VFD controller

Model	Fan Dia. (m/ft)	Air Flow (m³/min)	Motor Power (KW/HP)	Current (A) 220V/380V	RPM	Application Area (SQM.)	Noise (dBA)	Weight (KG)
RTF-CF-7EEX	7.3/24	15,500	1.5/2.0	5.8/3.55	20-53	1,800	43	125
RTF-CF-6EEX	6.1/20	14,000	1.5/2.0	5.8/3.55	20-58	1,380	43	110
RTF-CF-5EEX	5.5/18	12,800	1.5/2.0	5.8/3.55	20-63	1,050	43	105

# Paragon Series

Industrial HVLS fan

Applicable Height: 6-12 Meters



\* VFD controller

Model	Fan Dia. (m/ft)	Air Flow (m³/min)	Motor Power (KW/HP)	Current (A) 220V/380V	RPM	Application Area (SQM.)	Noise (dBA)	Weight (KG)
RTF-FF-7EEX	7.3/24	13,800	1.1/1.5	4.1/2.4	20-53	1,600	42	115
RTF-FF-6EEX	6.1/20	12,000	1.1/1.5	4.1/2.4	20-58	1,200	42	105
RTF-FF-5EEX	5.5/18	10,500	1.1/1.5	4.1/2.4	20-63	850	42	100



# Virtue Series

Commercial HVLS fan



Applicable Height: 4-7 Meters

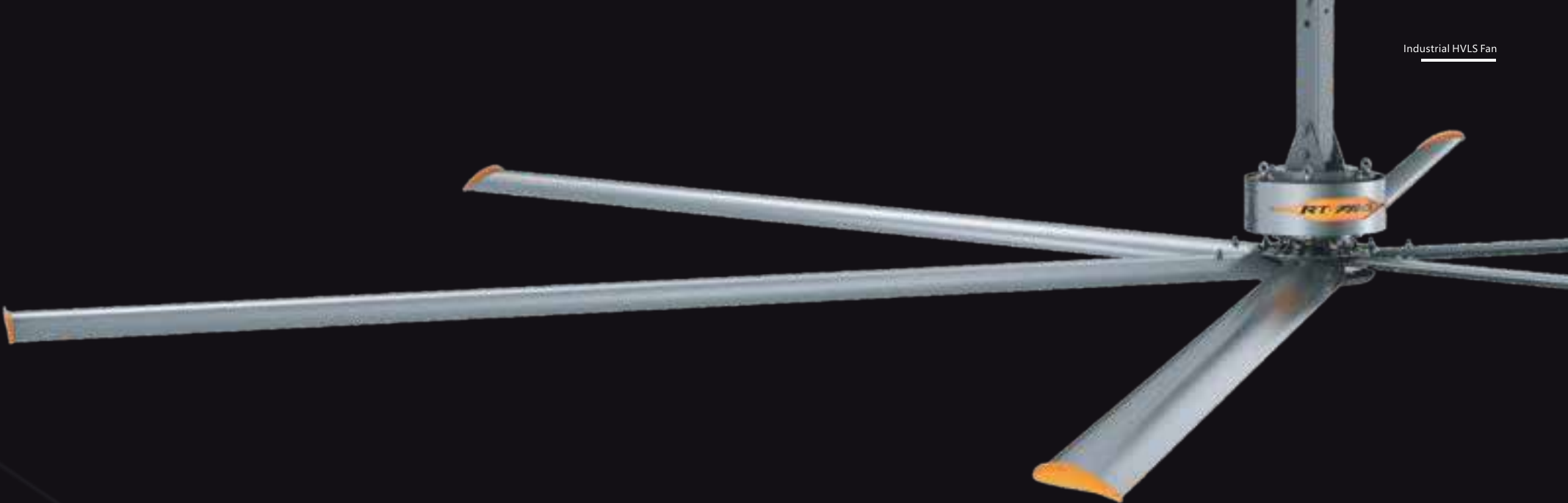


\*VFD controller

Model	Fan Dia. (m/ft)	Air Flow (m <sup>3</sup> /min)	Motor Power (KW)	Current (A) 220V/380V	RPM	Application Area (SQM.)	Noise (dBA)	Weight (KG)
RTF-SF-5EEX	4.7/16	9,000	0.55	2.2/1.3	40-80	550	40	55
RTF-SF-4EEX	4.0/13	8,000	0.55	2.2/1.3	40-102	450	40	50
RTF-SF-3EEX	3.3/11	6,500	0.55	2.2/1.3	40-102	350	40	45

# Charm I Series

PMSM HVLS fan



Applicable Height: 6-20 Meters



\*VFD controller

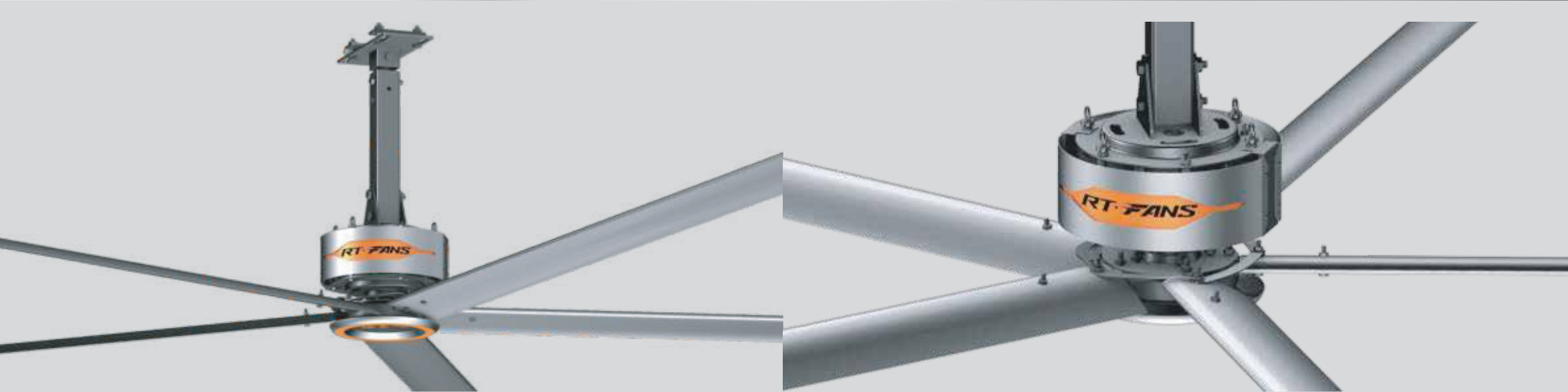
Model	Fan Dia. (m/ft)	Air Flow (m³/min)	Motor Power (KW/HP)	Current (A) 220V/380V	RPM	Application Area (SQM.)	Noise (dBA)	Weight (KG)
RTF-DF1-7EEX	7.3/24	15,500	1.2/1.6	4.3/2.5	20-53	1,800	39	115
RTF-DF1-6EEX	6.1/20	14,000	1.2/1.6	4.3/2.5	20-58	1,380	39	105
RTF-DF1-5EEX	5.5/18	12,800	1.2/1.6	4.3/2.5	20-63	1,050	39	100



# Charm II Series

PMSM HVLS fan

Applicable Height: 6-12 Meters



\*VFD controller

Model	Fan Dia. (m/ft)	Air Flow (m³/min)	Motor Power (KW/HP)	Current (A) 220V/380V	RPM	Application Area (SQM.)	Noise (dBA)	Weight (KG)
RTF-DF2-7EEX	7.3/24	13,800	1.2/1.6	4.7/2.7	20-53	1,600	38	110
RTF-DF2-6EEX	6.1/20	12,000	1.2/1.6	3.5/2.0	20-58	1,200	38	100
RTF-DF2-5EEX	5.5/18	10,500	1.2/1.6	3.5/2.0	20-63	850	38	95

# Grace Series

Commercial PMSM HVLS fan



Applicable Height: 3.5-6 Meters



\*VFD controller

Model	Fan Dia. (m/ft)	Air Flow (m³/min)	Motor Power (KW)	Current (A) 110V/220V	RPM	Application Area (SQM.)	Noise (dBA)	Weight (KG)
RTF-YF-4EEX	4.0/13	6,800	0.5	3.4/2.0	30-80	400	36	37
RTF-YF-3EEX	3.3/11	5,800	0.3	2.2/1.3	30-100	300	36	30
RTF-YF-2EEX	2.7/9	4,800	0.3	1.7/0.9	30-100	200	36	28

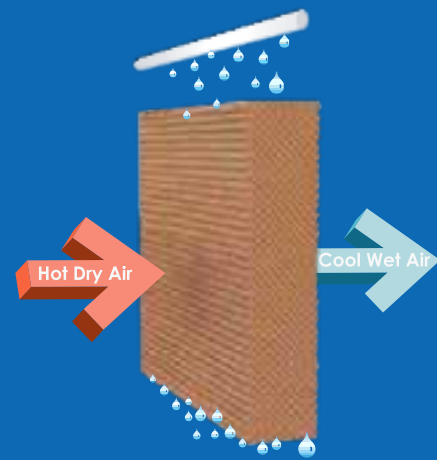


# Evaporative Air Cooler

Ventilation & Cooling Solution

## Cooling Principle

As schematically shown, when the cooler is working, water is pumped from the tank to the water distributor, and distributed evenly to the evaporative cooling pads, then go back to the tank. Meanwhile, the outside hot air is drawn through the wetted cooling pads and filtered and reduced in temperature before delivering to the user space.



## How does evaporative air cooler work?

Filtered and cooled by an evaporative air cooler, the outdoor fresh air is continuously sent into the indoor space through the air duct and air supply outlets. With the continuous supply of fresh air, the indoor space is in a positive pressure condition, thus the original hot air containing odour and dust will be emitted out of the room, resulting in a cool, ventilated, clean and comfortable environment. Suitable exhaust area and effective exhaust are essential for satisfactory performance of evaporative air cooling system.

## Why Evaporative Air Cooler?



### High Efficiency Cooling

In a humid environment, the air temperature can be dropped by 4-10°C;  
In a dry environment, the air temperature can be dropped by 4-15°C.



### Low power consumption

Its power consumption is only 16~26% of a traditional air conditioner with compressor. The power consumption of each unit is only 1.1kw, it cools up to 100m2.



### Open Space, All fresh air

While an evaporative air cooler running, the door and windows are better to be opened, so fresh and cool air can be provided to the indoor space without internal circulation.



### Low input cost and Short Payback Period

The total investment to evaporative air cooler is 50~65% less than a traditional central air conditioning system.



### Eco-Friendly

Evaporative Air cooler is the natural way of cooling, it works on the physical phenomena of heat absorption by water evaporation, eco-friendly product without compressor or refrigerant, no pollution.



### Easy to install & Low Maintenance Cost

Evaporative air cooler is mainly installed on roof, wall or ground, saving about 90% installation area. Regular cleaning air filters, high-efficiency cooling pads, and chassis do not need any professional operator with low maintenance costs.



### High work efficiency & Productivity

A comfortable environment makes workers healthy, improves work efficiency, and increases productivity.



### Wide Application Range

The air volume of RTFANS evaporative air cooler is 6000-60000m3/h, which fully meets the application of different needs from industry and commerce to open space and portable cooling.

Evaporative Air Cooler

Ventilation & Cooling Solution

Cooling Effect Data Sheet

Supply Air Temperature

The Supply Air Temperature depends on the “dryness” of The outside air. The drier the outside air, the lower the web bulb temperature. The more temperature drop can be achieved.

Evaporative cooling works best when the outside air is at a high temperature with low humidity. See the below datasheet to check temperature drop (supplied air temperature with air cooler) under different humidity and temperature conditions.

Wind-Chill Effect is the secondary cooling effect when air passes over human skin(similar to a fan created effect) thereby causing a lower temperature sensation. The Wind-Chill Effect depends on both the Supply Air Temperature and the air velocity.

Outside Air Dry-Bulb Temp (°C)	Outside Air Relative Humidity (%)							
	20	30	40	50	60	70	80	90
20	12	13	14.5	15.5	16.5	17.5	18.5	19.2
25	16	17	18.5	20	21	22	23	24
30	19.5	21	22.5	24	25	26	28	28.9
35	23	25	26.5	28.5	29	30	32.5	33.7
40	25.6	28.1	30.4	32.3	33.9	This zone is not applicable as in reality when the temperature is relatively high, RH is predominantly lower than the supplier air temperature.		
45	29.2	32	34.4					
50	32.7	35.8						

With the wind-chill effect, the effective temperature for thermal human comfort is 1-2°C lower than the Supply Air Temperature.




Power Consumption comparison between three cooling alternatives.

Power Consumption

The comparison below between evaporative cooling and air conditioning shows a large difference in running cost (10.1% vs 100%). When you have a large workspace that needs to be cooled, running cost can become a major consideration in your product selection.

Air-conditioning is ineffective when you have the heat generated from the production/work processes.

A ventilation fan system refers to installing a large centrifugal fan with a duct or number of exhaust fans to bring in air from outside. Power consumption and running cost are relatively low but it provides only ventilation and no cooling.

Cooling Equipment	Type	 Evaporative Air Cooler	 Air conditioning	 Ventilation Fan
	Capacity	20,000m³/h	400,000 BTU/h	40,000m³/h
	Kw	1.1	54	1.1
Workshop	Area(m²)	1,000	1,000	1,000
	Effective Height (m)	4	4	4
	Air Change per hour	30	Recirculating	30
Electrical Energy consumed	Total Units Installed	10	2	8
	Total Kw Installed (Kw)	11	108	8.8
	Electrical Units Consumed @10hrs/day @26days/mth	34,320kwh per year	336,960kwh per year	27,456 per year
	Cost comparison with reference to AC	10.1%	100%	8%
Effect of various cooling methods		Pushes out hot, taste air and ventilates with Cool, Clean& Fresh Air.	Circulates air inside only It is ineffective in heat generating space.	Only moves ambient air but offers no relief as temperature rises.

[Base on 1000m²Workshop Area]



# Evaporative air cooler with plastic structure

## Model: RTF-20 Series

RTF-20 high-end series and professional strong plastic structured models with axial fan, which need to be installed with air ducting system. Fixed installation model is designed to be installed on solid places such as outside wall, grounds, concrete or Zinc-steel structured roof.

Target Applications:

- Workshops
- Factories
- Supermarket & Mall
- Church & School
- Entertainment Centers



RTF-20AEX Bottom Air Discharge



RTF-20BEX Side Air Discharge




RTF-20CEX Top Air Discharge

Model	RTF-20AEX	RTF-20BEX	RTF-20CEX
Voltage/Frequency	220~240V/380~415V/50~60Hz	220~240V/380~415V/50~60Hz	220~240V/380~415V/50~60Hz
Max Air Flow	20,000m³/h	20,000m³/h	20,000m³/h
Working Current	4.8A/2.7A	4.8A/2.7A	4.8A/2.7A
Power Consumption	1.1kw	1.1kw	1.1kw
Physical Size	1120*1120*1050mm	1120*1120*1050mm	1120*1120*1075mm
Air Outlet Size	670*670mm	670*670mm	730*730mm
Net Weight	60Kg	60Kg	60Kg
Water Tank Capacity	25L	35L	35L
Water Consumption	65L/h	65L/h	65L/h
Applicable Area	100~150m²	100~150m²	100~150m²

# Evaporative air cooler with plastic structure

## Model: RTF-25 Series

RTF-25 high-end series and professional strong plastic structured models with axial fan, which need to be installed with air ducting system. Fixed installation model is designed to be installed on solid places such as outside wall, grounds, concrete or Zinc-steel structured roof.

Target Applications:

- Workshops
- Factories
- Supermarket & Mall
- Church & School
- Entertainment Centers



RTF-25AEX Bottom Air Discharge



RTF-25CEX Top Air Discharge

Model	RTF-25AEX	RTF-25CEX
Voltage/Frequency	220~240V/380~415V/50~60Hz	220~240V/380~415V/50~60Hz
Max Air Flow	25,000m³/h	25,000m³/h
Working Current	6.8A/3.8A	6.8A/3.8A
Power Consumption	1.5kw	1.5kw
Physical Size	1120*1120*1250mm	1120*1120*1300mm
Air Outlet Size	670*670mm	730*730mm
Net Weight	79Kg	79Kg
Water Tank Capacity	25L	35L
Water Consumption	75L/h	75L/h
Applicable Area	150~200m²	150~200m²

# Evaporative air cooler with plastic structure

## Model: RTF-35 Series

RTF-35 high-end series and professional strong plastic structured models with axial fan, which need to be installed with air ducting system. Fixed installation model is designed to be installed on solid places such as outside wall, grounds, concrete or Zinc-steel structured roof.



Target Applications:

- Workshops
- Factories
- Supermarket & Mall
- Church & School
- Entertainment Centers



RTF-35AEX Bottom Air Discharge



RTF-35CEX Top Air Discharge

Model	RTF-35AEX	RTF-35CEX
Voltage/Frequency	220~240V/380~415V/50~60Hz	220~240V/380~415V/50~60Hz
Max Air Flow	35,000m³/h	35,000m³/h
Working Current	11.2A/6.3A	11.2A/6.3A
Power Consumption	3.0kw	3.0kw
Physical Size	1350*1350*1350mm	1350*1350*1370mm
Air Outlet Size	800*800mm	800*800mm
Net Weight	118Kg	128Kg
Water Tank Capacity	40L	40L
Water Consumption	142L/h	142L/h
Applicable Area	250~300m²	250~300m²


Remark: The thickness of the RTF-35A/C cooling pad is 120mm

# Evaporative air cooler with steel structure

## Model: RTF-30&36 Series

RTF-30&36 Series are popular stainless steel structured model, the chassis, top cover and the pillars are made of stainless with powder coating surface treatment, robust and reliable.

Axial-flow ventilation unit provides large airflow, which needs to be installed with air ducting system. Fixed installation model is designed to be installed on solid places such as outside wall, grounds, concrete or Zinc-steel structured roof.



Target Applications:

- Workshops
- Factories
- Supermarket & Mall
- Church & School
- Entertainment Centers



RTF-30&36 Series



RTF-30&36 Series

Model	RTF-30AEX	RTF-30BEX	RTF-36AEX	RTF-36BEX
Voltage/Frequency	380~415V/50~60Hz	380~415V/50~60Hz	380~415V/50~60Hz	380~415V/50~60Hz
Max Air Flow	30,000m³/h	30,000m³/h	36,000m³/h	36,000m³/h
Working Current	5.6A	5.6A	6.5A	6.5A
Power Consumption	2.2kw	2.2kw	3.0Kw	3.0Kw
Physical Size	1500*1500*1350mm	1500*1580*1350mm	1500*1500*1350mm	1500*1580*1350mm
Air Outlet Size	800*800mm	800*800mm	800*800mm	800*800mm
Net Weight	170Kg	180Kg	175Kg	185Kg
Water Tank Capacity	65L	65L	65L	65L
Water Consumption	117L/h	117L/h	150/h	150L/h
Applicable Area	200~300m²	200~300m²	200~300m²	200~300m²



# Evaporative air cooler with centrifugal type

## Model: RTF-30/40/50/60BCEX Series

RTF-30/40/50/60BCEX Series are popular stainless steel structured model, metal housing and powder coating surface treatment, robust and reliable.

Centrifugal-type ventilation unit provides high hydrostatic pressure and long distance fresh air delivery. Which needs to be installed with air ducting system. Fixed installation model is designed to be installed on solid places such as outside wall, grounds, concrete or Zinc-steel structured roof.



Centrifugal-type Air Cooler



Centrifugal-type Air Cooler



Target Applications:

- Workshops
- Factories
- Supermarket & Mall
- Church & School
- Entertainment Centers

Model	RTF-30BCEX	RTF-40BCEX	RTF-50BCEX	RTF-60BCEX
Voltage/Frequency	380~415V/50~60Hz	380~415V/50~60Hz	380~415V/50~60Hz	380~415V/50~60Hz
Max Air Flow	30,000m³/h	40,000m³/h	50,000m³/h	60,000m³/h
Working Current	11.6A	15.4A	24.5A	30.3A
Power Consumption	5.5kw	7.5kw	11kw	15.5kw
Physical Size	1500*1580*1400mm	1770*1770*1440mm	2090*1970*1700mm	2090*1970*1700mm
Air Outlet Size	620*570mm	782*700mm	862*700mm	926*834mm
Net Weight	300Kg	450Kg	585Kg	650Kg
Water Tank Capacity	65L	80L	100L	100L
Water Consumption	117L/h	220L/h	260L/h	380L/h
Applicable Area	150~200m²	200~300m²	300~400m²	400~500m²

# Ventilation fan with fiber glass structure

## Model: RTF-VF series

The housing material of the RTF-VF series exhaust fan is fiberglass, which is designed to exhaust moisture-laden, corrosive or chemically contaminated air. FRP offers a more economical solution than stainless steel or other exotic alloys. Multiple impeller types and materials are available to meet any corrosive process requirements while maintaining quiet operation and high efficiency.



RTF-VF series FRP exhaust Fan



Target Applications:

- Workshops
- Factories
- Logistics Center
- Agriculture
- Poultry & Livestock



RTF-VF series with elbow  
30/65/90 degree for options



RTF-RF-1060EX Relay Fan

Model	RTF-VF-1060EX	RTF-VF-1260EX	RTF-VF-1460EX	RTF-RF-1060EX
Voltage/Frequency	380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Max Air Flow	32,000m³/h	38,000m³/h	53,000m³/h	37,000m³/h
Working Current	1.68A	2.25A	3.0A	1.68A
Power Consumption	0.55kw-10P	0.75kw-10P	1.1kw-10P	0.55kw-10P
Physical Size	1060*1060*480mm	1260*1260*560mm	1460*1460*580mm	1060*1060*400mm
Installation Size	980*980mm	1180*1180mm	1380*1380mm	1060*1060mm
Net Weight	32Kg	41Kg	59Kg	47Kg
Noise	60dB(A)	65dB(A)	70dB(A)	60dB(A)
Fan blade Diameter	800mm	1070mm	1240mm	910mm
Fan blade Quantity	6 pcs	6 pcs	6 pcs	6 pcs
Fan blade Material	FRP	FRP	FRP	410SS
Housing Material	FRP	FRP	FRP	Color Plate


# Portable Evaporative Air Cooler

## Model: RTF-15YEX

RTF-15YEX is a mobile evaporative air cooler with strong wheels and brakes, easy to move to any space that needs cooling. Plug and play, 12 meters air supply distance, can achieve rapid cooling effect. The 150 liters water tank can meet the needs of ventilation and cooling for more than 8 hours, and it can also be connected to the automatic water supply system for continuous use.



RTF-15YEX Mobile Air Cooler



Target Applications:

- Workshops
- Factories
- Supermarket & Mall
- Church & School
- Outdoor event



Model	RTF-15YEX
Voltage/Frequency	220~240V/50~60Hz
Max Air Flow	15,000m³/h
Working Current	3.4A
Power Consumption	0.75kw
Physical Size	920*580*1510mm
Air Outlet Size	690*690mm
Net Weight	44Kg
Water Tank Capacity	150L
Water Consumption	18L/h
Applicable Area	80~100m²


# Portable Evaporative Air Cooler

## Model: RTF-20YEX

RTF-20YEX is a mobile evaporative air cooler with strong wheels and brakes, easy to move to any space that needs cooling. Plug and play, 30 meters air supply distance, can achieve rapid cooling effect. The 300 liters water tank can meet the needs of ventilation and cooling for more than 8 hours, and it can also be connected to the automatic water supply system for continuous use.



RTF-20YEX Mobile Air Cooler



Target Applications:

- Workshops
- Factories
- Supermarket & Mall
- Church & School
- Outdoor event



Model	RTF-20YEX
Voltage/Frequency	220~240V/50~60Hz
Max Air Flow	20,000m³/h
Working Current	4.7A
Power Consumption	1.1kw
Physical Size	1120*1120*1950mm
Air Outlet Size	700*450mm
Net Weight	84Kg
Water Tank Capacity	300L
Water Consumption	65L/h
Applicable Area	100~150m²





LED Light

# Princess

Commercial High Volume Low Speed Fan

## Product Features



### External Rotor Motor

Self-developed permanent magnet synchronous, large torque range, never demagnetize, life-long maintenance free.



### Safety System

Bold and thickened suspension rod structure;  
Built in 3mm stainless steel wire rope to prevent accidentally falling;  
High-strength grade 12.9 fasteners with nickel plating treatment.



### Intelligent Wall Controller / Remote Control

Independently developed industrial control level control system, can be used in any private or public places.



### Aluminium-Magnesium Blade

Integrated molding with light weight, and easy to clean;  
The reinforced structure has stronger resistance to deformation.

## Product Specification



Model	KADF-PRSS-150	KADF-PRSS-150L	KADF-PRSS-200	KADF-PRSS-200L	KADF-PRSS-250	KADF-PRSS-250L	KADF-PRSS-300	KADF-PRSS-300L
Diameter	1.5m (60")	1.5m (60")	2m (80")	2m (80")	2.5m (100")	2.5m (100")	3m (120")	3m (120")
Blades Quantity	6	6	6	6	6	6	6	6
Weight	17kg	17kg	19kg	19kg	22kg	22kg	25kg	25kg
Power	100W	100W+30W	110W	110W+30W	180W	180W+30W	280W	280W+30W
Max Speed	180rpm	180rpm	120rpm	120rpm	105rpm	105rpm	95rpm	95rpm
Max air Volume	1750m³/min	1750m³/min	2130m³/min	2130m³/min	2750m³/min	2750m³/min	3360m³/min	3360m³/min
Power Supply	Single Phase 220V/110V	Single Phase 220V/110V	Single Phase 220V/110V	Single Phase 220V/110V	Single Phase 220V/110V	Single Phase 220V/110V	Single Phase 220V/110V	Single Phase 220V/110V
Rated Input Current	0.5A/0.9A	0.6A/1.2A	0.6A/1A	0.7A/1.3A	0.9A/1.6A	1.0A/1.9A	1.2A/2.5A	1.3A/2.8A
Rated Output Current	0.7A	0.8A	0.9A	1.0A	1.0A	1.1A	1.3A	1.4A
Noise Level	<36dB	<36dB	<36dB	<36dB	<36dB	<36dB	<36dB	<36dB
Area Covered	Ø6-Ø9m	Ø6-Ø9m	Ø8-Ø11m	Ø8-Ø11m	Ø10-Ø13m	Ø10-Ø13m	Ø12-Ø15m	Ø12-Ø15m

## Product Applications





## Valued Customers



## About Us

Kool Air International Development Limited., with the brand name RTFANS, is a professional manufacturer and exporter of industrial and commercial ventilation and cooling products in China. Our factory is located in Dongguan City, China, which is a national high-tech enterprise.

Since our establishment in 2003, working as an engineering company providing industrial ventilation and cooling solutions, we have focused on providing our customers with quality and energy-efficient ventilation and cooling equipment. So far, our products have been exported to more than 70 countries and regions: Japan, South Korea, Thailand, Vietnam, Malaysia, Philippines, India, Australia, Spain, the United States, Mexico, and so on.

When RTFANS was first established, it mainly sold and installed industrial air coolers to factory owners. Later it moved into manufacturing and introduced HVLS fan products to the evaporative cooling system in 2010 and started combining the two into one system(called the "Fan and cooler Combo"). After more than ten years of practice, the "fan & cooler combo" system has become the most energy-saving and environmentally friendly ventilation and cooling solution for large spaces.

As a member of energy-saving and environmental protection enterprises, we aim to bring better air to customers with less cost and energy. We are proud to be in this business, not only because we keep satisfying our customers with high-quality products and services, but also because this business brings social value to the world and benefits future generations.

