

Products

High & large space air conditioners



Product Series

Recirculated Air Heating Units

Model: AirTS-D

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Applications: ideal for high large space that needs heating. Cold and heat source: hot water (> 40°C), max supply air height: 28m, wireless control, variable frequency, auto temp control, etc.



Heating Units (fresh air)

Model: AirTS-FD

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Applications: ideal for high large space that needs heating, fresh air (variable air volume control, running with full air supply or mixed air supply). Cold and heat source: hot water or steam.



Heating Units (humidifying)

Model: AirTS-HD

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Applications: ideal for high large space that needs heating, humidifying. Temp and humidifying capacity can be auto controlled by using wireless temp & humidity monitor.



Heating Units (side-mounted)

Model: AirTS-SD

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Applications: ideal for high large space that needs heating with horizontal supply air distance ≥ 26m.



Recirculated Air Electric Heating Units

Model: AirTS-ED

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Applications: ideal for high large space and uses PTC electric heating with max 16m supply air height. Heating capacity can be customized. wireless control, variable frequency, auto temp control, etc.



Product Series

Recirculated Air Heating Units (louvered)

Model: AirTS-DM

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Applications: ideal for high large space that needs heating with max 23m supply air height. Cold and heat source: hot water (> 40°C) or steam. Wireless control, variable frequency, auto temp control, etc.



Recirculated Air Heating and Cooling Units

Model: AirTS-K

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Applications: ideal for high large space that needs heating. Heat and cold source: hot and cold water; uniform airflow and temp distribution.



Heating and Cooling Units (fresh air)

Model: AirTS-FK

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Applications: ideal for high large space that needs cooling, heating, fresh air (variable air volume control, running with full air supply or mixed air supply). Cold and heat source: hot and cold water.



Heating and Cooling Units (humidifying)

Model: AirTS-HK

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Applications: ideal for high large space that needs cooling, heating, humidifying. Temp and humidifying capacity can be auto controlled by using wireless temp & humidity monitor.



Heating and Cooling Units (side-mounted)

Model: AirTS-SK

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Applications: ideal for high large space that needs cooling, heating with horizontal supply air distance $\geq 26m$, lower energy consumption and better effect especially under cooling conditions. Cold and heat source: hot and cold water.



Dehumidifying Air Conditioning Units

Model: AirTS-DK

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Applications: ideal for high large space that needs cooling, heating, dehumidifying or fresh air input. Cold and heat source: hot and cold water.



Recirculated Air Heating and Cooling Units (2-way air diffuser)

Model: AirTS-TK

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Applications: ideal for high large space that needs cooling and heating with bilateral or unilateral air supply, uniform airflow and temp distribution. Cold and heat source: hot and cold water.



Recirculated Air Heating and Cooling Units (louvered)

Model: AirTS-KM

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Applications: ideal for high large space that needs cooling and heating with max 23m supply air height, uniform airflow and temp distribution. Cold and heat source: hot and cold water.



Heating and Cooling Units (multifunctional)

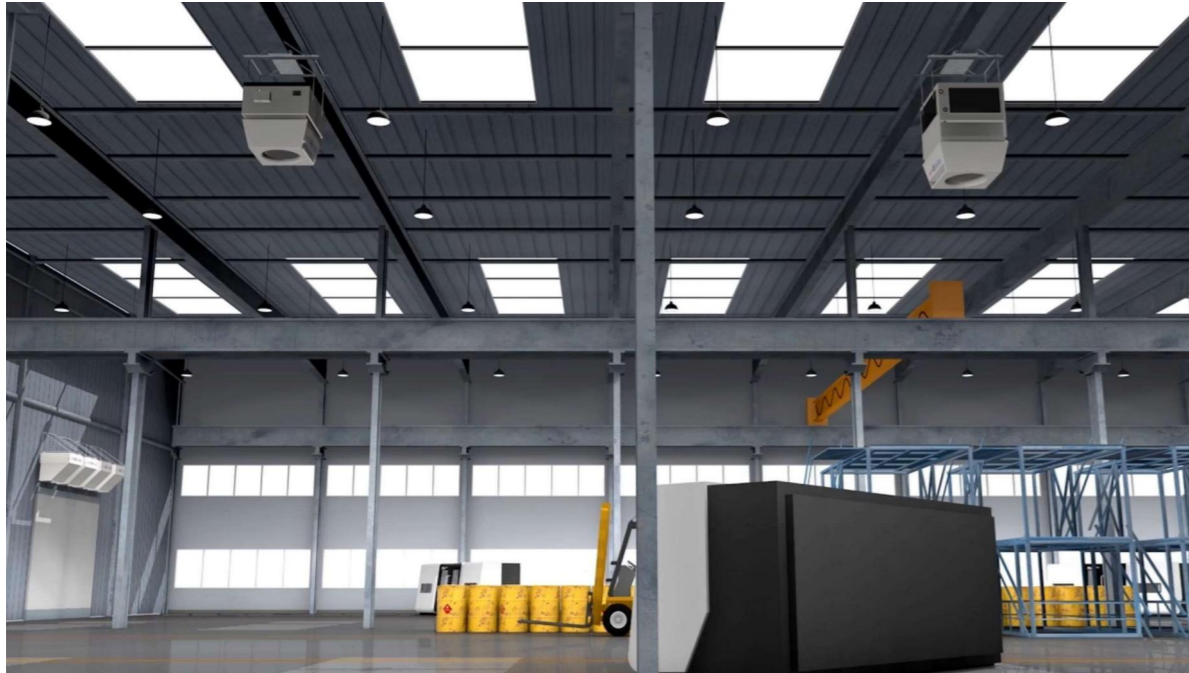
Model: AirTS-AR

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Applications: ideal for high large space that needs cooling, heating, fresh air, exhaust air, heat recovery. The cold and heat of exhausted indoor air can be recovered for preheating or precooling the fresh air. Cold and heat source: hot and cold water.



System Introduction

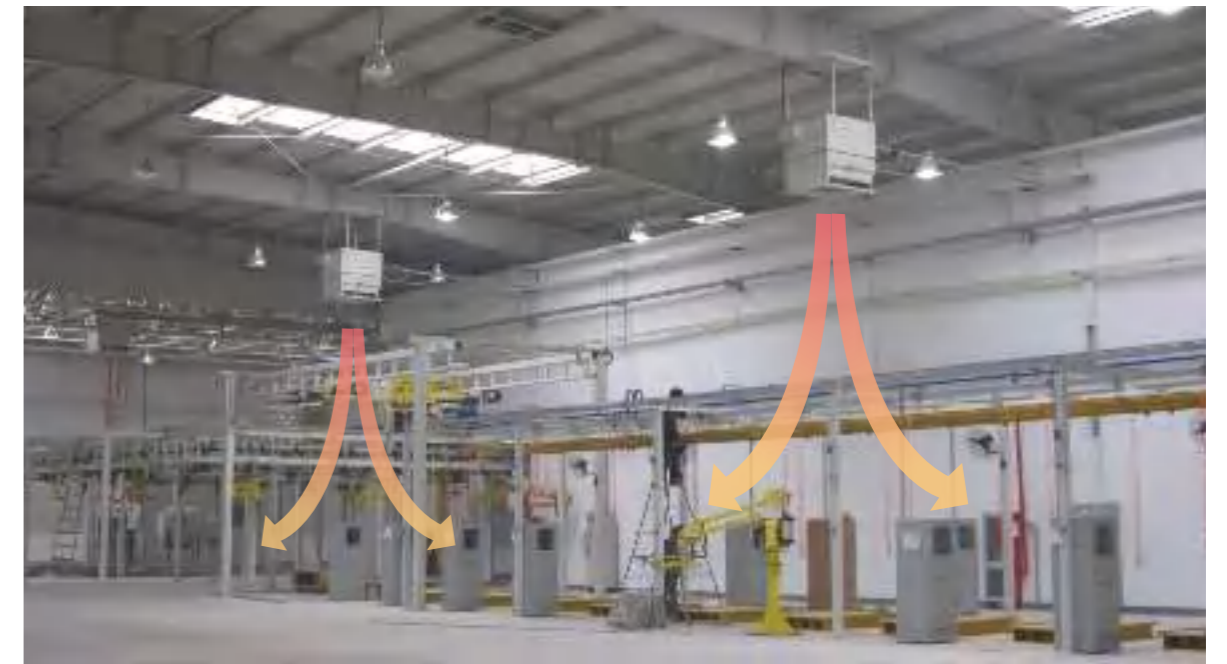


AirTS products for high & large space are innovative air conditioners, which are successfully developed by AirTS team for the special environment of large space. The products have been widely used in industrial plant, warehouse, plane and locomotive maintenance center, logistics center, large gymnasium, exhibition hall, car 4S shop, supermarket, department store and other large spaces.

We have used the combination of HVAC, fluid mechanics, computer, software, single chip microcomputer, electronic, wireless communication, frequency conversion and automatic control to achieve the purpose, and adopting the Internet, GPRS, 4G, 5G communication technology to achieve the remote monitoring of users. This plan adopts efficient air distribution to reasonably distribute air flow and achieve energy saving and comfortable effect. The system has met the requirements of large space heating, cooling, ventilation, humidification, dehumidification, dust removal, heat energy recovery, etc. It is suitable for 4-30m high construction sites, which is characterized by mature technology, simple implementation, flexible control, high efficiency and energy saving.

Working Principle

High & large space dedicated air conditioner, lifted on the roof, achieves air cooling or heating through the cold and heat exchangers in the equipment and then evenly distributes the cold and hot air throughout the space by means of efficient air distribution device to eliminate the undesirable indoor temperature layers. The suction type axial flow fans are used to effectively recover the heat gathered on the roof under heating conditions to minimize the loss of the heat through the roof, thereby achieving energy-saving effect truly.



Technical Specifications

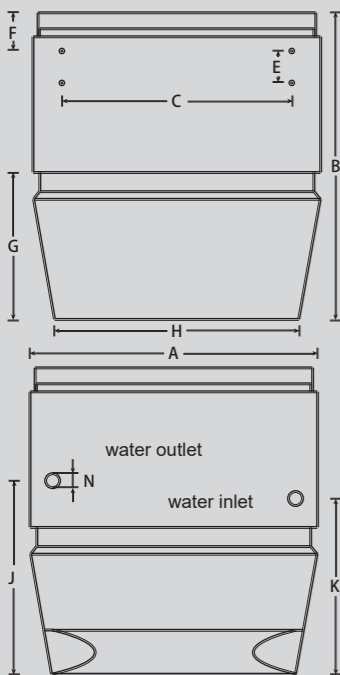
AirTS-D		Recirculated Air Heating Units	
Model		AirTS-D-I	AirTS-D-II
Fan speed	r/min	0~900	0~860
Standard circulating air quantity	m ³ /h	0~6700	0~9700
Voltage	V	380±5%	380±5%
Electric power	kW	0~0.85	0~1.80
Current	A	0~1.65	0~3.60
Suitable installation height	m	4~10	4~17
Control mode		Infinite regulation of variable air volume	
Noise	dB	<60	<60



* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.

Unit size		AirTS-D-I	AirTS-D-II
Model			
A	mm	900	1100
B	mm	990	1165
C	mm	735	850
E	mm	100	100
F	mm	150	150
G	mm	480	568
H	mm	765	935
J	mm	601	724
K	mm	521	644
N (internal thread)	mm	DN32	DN40
Weight	kg	130	185
Water volume	L	5.8	9.8

※For more materials and parameters of non-standard models, such as anti-explosion, anti-corrosion, purification, copious cooling and other functional units, please consult our regional sales personnel.



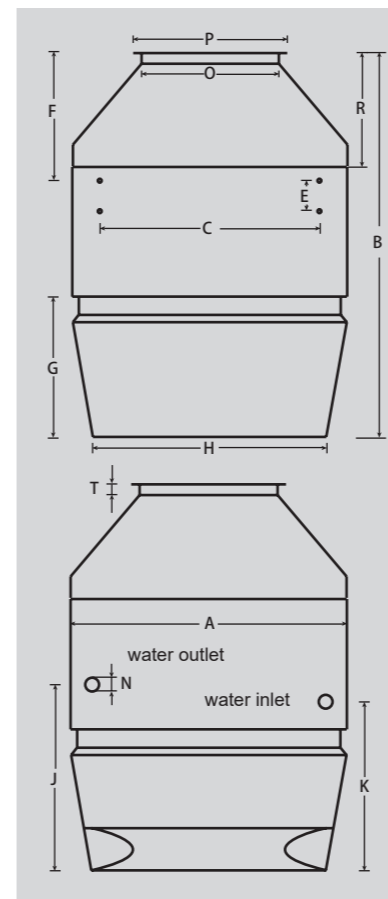
AirTS-FD		Heating Units (fresh air)	
Model		AirTS-FD-I	AirTS-FD-II
Fan speed	r/min	0~900	0~860
Standard circulating air quantity	m ³ /h	0~5400	0~8200
Voltage	V	380±5%	380±5%
Electric power	kW	2.5	3.6
Current	A	4.4	6.3
Suitable installation height	m	4~9	4~16
Control mode		Infinite regulation of variable air volume	
Noise	dB	<60	<60




* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.

Unit size		AirTS-FD-I	AirTS-FD-II
Model			
A	mm	900	1100
B	mm	1250	1620
C	mm	735	850
E	mm	100	100
F	mm	435	540
G	mm	480	568
H	mm	765	935
J	mm	601	710
K	mm	521	644
O	mm	445	550
P	mm	550	600
R	mm	360	455
T	mm	40	75
N (internal thread)	mm	DN32	DN40
Weight	kg	148	208
Water volume	L	5.8	9.8

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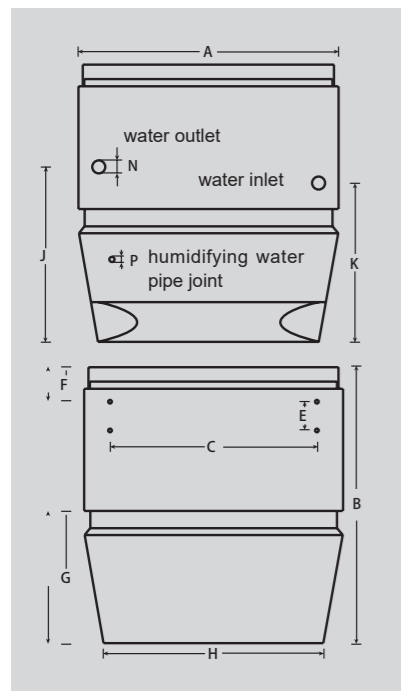


Technical Specifications

AirTS-HD		Heating Units (humidifying)	
		Model	AirTS-HD-I AirTS-HD-II
Fan speed	r/min	0~900	0~860
Standard circulating air quantity	m ³ /h	0~6700	0~9700
Voltage	V	380±5%	380±5%
Electric power	kW	0~0.85	0~1.80
Current	A	0~1.65	0~3.60
Suitable installation height	m	4~10	4~17
Control mode		Infinite regulation of variable air volume	
Humidifying mode		High-pressure micro-fog	
Humidifying medium		Distilled water/low-impurity water	
Standard spray flow	kg/h	20	20
Nozzle working pressure	MPa	5-7	5-7
Noise	dB	<60	<60


Remarks:
A single unit of equipment is standard configured with 4 nozzles and the maximum spray flow of a single nozzle is 5kg/h. to increase the humidification amount, the nozzles shall be increased, but the number of the nozzles in a single unit of equipment shall not exceed 6; otherwise, below the equipment air port is of excessive humidity and poor comfort.

* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.

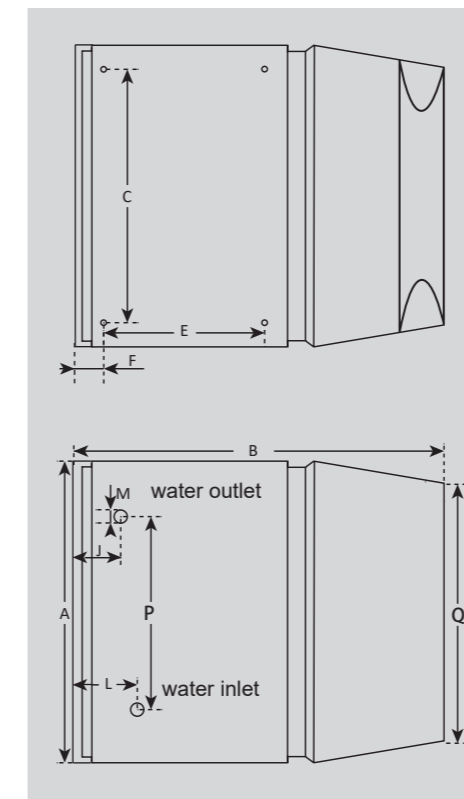


Unit size			
Model		AirTS-HD-I	AirTS-HD-II
A	mm	900	1100
B	mm	1000	1165
C	mm	735	850
E	mm	100	100
F	mm	150	150
G	mm	480	568
H	mm	765	935
J	mm	601	724
K	mm	521	644
N (internal thread)	mm	DN32	DN40
Weight	kg	131	186
Water volume	L	5.8	9.8
P	mm	φ 9.52	φ 9.52

※For more materials and parameters of non-standard models, such as anti-explosion, anti-corrosion, purification, copious cooling and other functional units, please consult our regional sales personnel.

AirTS-SD		Heating Units (side-mounted)	
		Model	AirTS-SD-I AirTS-SD-II
Fan speed	r/min	0~900	0~860
Standard circulating air quantity	m ³ /h	0~6700	0~9900
Voltage	V	380±5%	380±5%
Electric power	kW	0~0.85	0~1.80
Current	A	0~1.65	0~3.60
Applicable distance of lateral air supply	m	<17	<26
Control mode		Infinite regulation of variable air volume	
Noise	dB	<60	<60

* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.



Unit size			
Model		AirTS-SD-I	AirTS-SD-II
A	mm	900	1100
B	mm	1120	1280
C	mm	650	700
E	mm	360	515
F	mm	177	147
J	mm	143	160
L	mm	210	210
M (internal thread)	mm	DN32	DN40
P	mm	760	700
Q	mm	765	935
Weight	kg	130	185
Water volume	L	5.8	9.8

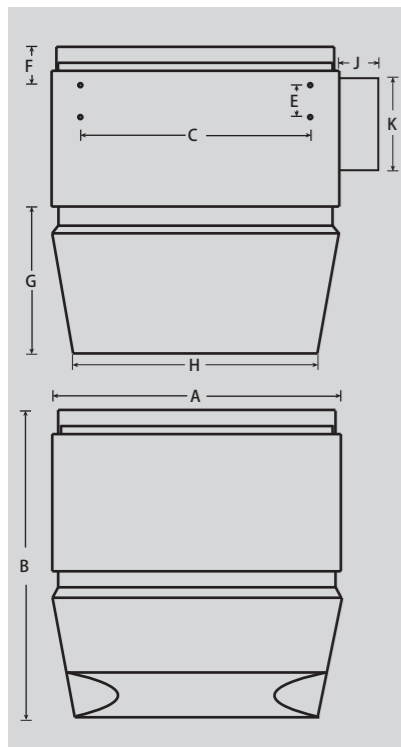
※For more materials and parameters of non-standard models, such as anti-explosion, anti-corrosion, purification, copious cooling and other functional units, please consult our regional sales personnel.

Technical Specifications

AirTS-ED		Recirculated Air Electric Heating Units	
Model		AirTS-ED-I	AirTS-ED-II
Fan speed	r/min	0~900	0~860
Standard circulating air volume	m ³ /h	0~6700	0~9700
Voltage	V	380±5%	380±5%
Electric power	kW	0~0.85	0~1.80
Current	A	0~1.65	0~3.60
Suitable installation height	m	4~10	4~17
Control mode		Infinite regulation of variable air volume	
Control mode of PTC heater		Linkage	Linkage
Noise	dB	<60	<60



* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.



Unit size		AirTS-ED-I	AirTS-ED-II
Model			
A	mm	900	1100
B	mm	1200	1505
C	mm	735	920
E	mm	100	100
F	mm	150	150
G	mm	480	568
H	mm	765	935
J	mm	170	180
K	mm	400	400
Weight	kg	170	225

Return air temperature		10°C	15°C	20°C
Model	Heater electric power	Q kW	TS °C	TS °C
AirTS-ED-I	30~45kW	25.50~38.25kW	22~30	24~34
AirTS-ED-II	35~65kW	29.75~55.25kW	21~33	23~36

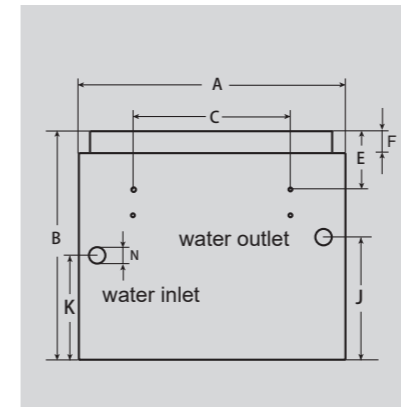
Marking instruction:
 Q = Thermal output power Highest supply air temperature: 60°C
 TS = Supply air temperature Highest background temperature: 40°C

※For more materials and parameters of non-standard models, such as anti-explosion, anti-corrosion, purification, copious cooling and other functional units, please consult our regional sales personnel.

AirTS-DM		Recirculated Air Heating Units (louvered)	
Model		AirTS-DM-I	AirTS-DM-II
Fan speed	r/min	0~1300	0~860
Standard circulating air volume	m ³ /h	0~5500	0~10500
Voltage	V	380±5%	380±5%
Electric power	kW	0~0.85	0~1.80
Current	A	0~1.65	0~3.60
Suitable installation height	m	4~8	4~17
Control mode		Infinite regulation of variable air volume	
Noise	dB	<59	<65



* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.



Unit size		AirTS-DM-I	AirTS-DM-II
Model			
A	mm	710	1110
B	mm	600	800
C	mm	492	850
E	mm	175	150
F	mm	100	100
J	mm	467	320
K	mm	418	240
N (internal thread)	mm	DN25	DN40
Weight	kg	85	125
Water volume	L	4.35	9.8

※For more materials and parameters of non-standard models, such as anti-explosion, anti-corrosion, purification, copious cooling and other functional units, please consult our regional sales personnel.

Technical Specifications

AirTS-K		Recirculated Air Heating and Cooling Units	
Model		AirTS-K-I	AirTS-K-II
Fan speed	r/min	0~900	0~860
Standard circulating air volume	m ³ /h	0~6900	0~10100
Voltage	V	380±5%	380±5%
Electric power	kW	0~0.85	0~1.80
Current	A	0~1.65	0~3.60
Applicable installation height	m	4~15	4~23
Control mode		Infinite regulation of variable air volume	
Noise	dB	<60	<60



* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.

Unit size		AirTS-K-I	AirTS-K-II
Model			
A	mm	900	1100
B	mm	1250	1442
C	mm	735	920
E	mm	100	100
F	mm	95	95
G	mm	480	568
H	mm	765	935
J	mm	660	789
K	mm	890	1032
L	mm	1050	1292
M (internal thread)	mm	DN40	DN50
N (external thread)	mm	DN25	DN32
Weight	kg	160	235
Water volume	L	10.0	13.2

※For more materials and parameters of non-standard models, such as anti-explosion, anti-corrosion, purification, copious cooling and other functional units, please consult our regional sales personnel.

AirTS-FK		Heating and Cooling Units (fresh air)	
Model		AirTS-FK-I	AirTS-FK-II
Fan speed	r/min	0~900	0~860
Standard circulating air volume	m ³ /h	0~6900	0~10100
Voltage	V	380±5%	380±5%
Electric power	kW	0~0.85	0~1.80
Current	A	0~1.65	0~3.60
Applicable installation height	m	4~13	4~21
Control mode		Infinite regulation of variable air volume	
Noise	dB	<60	<60



* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.

Unit size		AirTS-FK-I	AirTS-FK-II
Model			
A	mm	900	1100
B	mm	1590	1897
C	mm	735	920
D	mm	1230	1442
E	mm	100	100
G	mm	480	568
H	mm	765	935
J	mm	180	220
K	mm	230	240
L	mm	160	260
M (internal thread)	mm	DN40	DN50
N (external thread)	mm	DN25	DN32
O	mm	50	50
P	mm	20	20
Q	mm	505	605
R	mm	445	545
S	mm	120	120
Weight	kg	183	266
Water volume	L	5.8	9.8

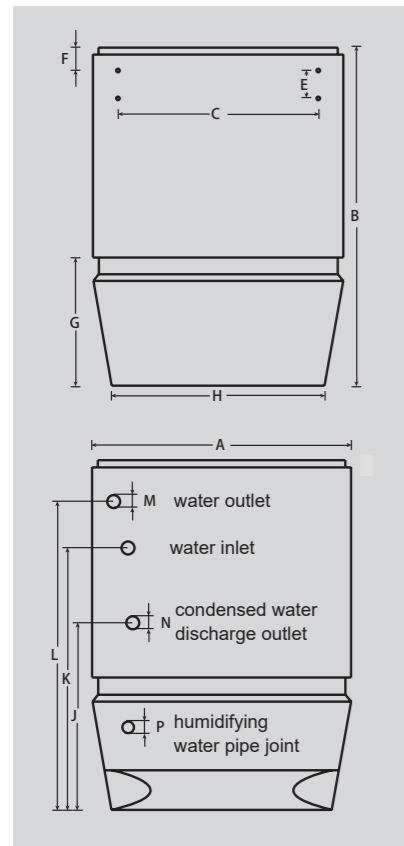
※For more materials and parameters of non-standard models, such as anti-explosion, anti-corrosion, purification, copious cooling and other functional units, please consult our regional sales personnel.

Technical Specifications

AirTS-HK		Heating and Cooling Units (humidifying)	
Model		AirTS-HK-I	AirTS-HK-II
Fan speed	r/min	0~900	0~860
Standard circulating air volume	m ³ /h	0~6900	0~10100
Voltage	V	380±5%	380±5%
Electric power	kW	0~0.85	0~1.80
Current	A	0~1.65	0~3.60
Applicable installation height	m	4~15	4~23
Control mode		Infinite regulation of variable air volume	
Humidifying mode		High-pressure micro-fog	
Humidifying medium		Distilled water/low-impurity water	
Standard spray flow	kg/h	20	20
Nozzle working pressure	MPa	5-7	5-7
Noise	dB	<60	<60

Remarks:
A single unit of equipment is standard configured with 4 nozzles and the maximum spray flow of a single nozzle is 5kg/h. to increase the humidification amount, the nozzles shall be increased, but the number of the nozzles in a single unit of equipment shall not exceed 6; otherwise, below the equipment air port is of excessive humidity and poor comfort.

* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.



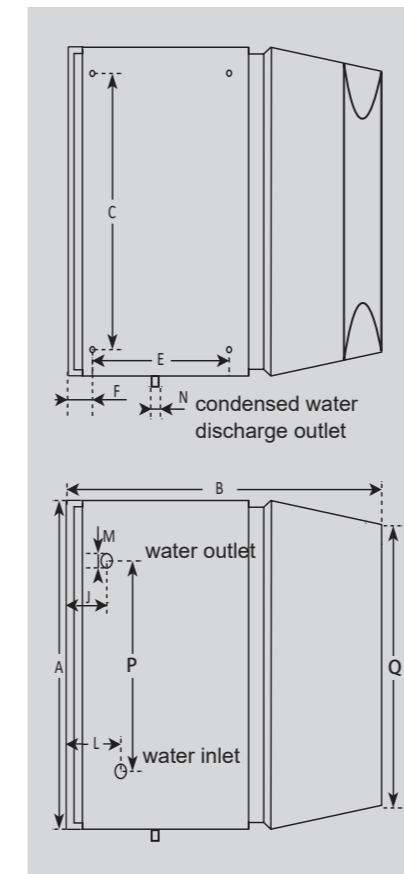
Unit size		AirTS-HK-I	AirTS-HK-II
Model			
A	mm	900	1100
B	mm	1250	1440
C	mm	735	920
E	mm	100	100
F	mm	95	95
G	mm	480	568
H	mm	765	935
J	mm	660	789
K	mm	890	1032
L	mm	1050	1292
M (internal thread)	mm	DN40	DN50
N (external thread)	mm	DN25	DN32
Weight	kg	154	237
Water volume	L	10.0	13.2

※For more materials and parameters of non-standard models, such as anti-explosion, anti-corrosion, purification, copious cooling and other functional units, please consult our regional sales personnel.

AirTS-SK		Heating and Cooling Units (side-mounted)	
Model		AirTS-SK-I	AirTS-SK-II
Fan speed	r/min	0~900	0~860
Standard circulating air quantity	m ³ /h	0~6700	0~9900
Voltage	V	380±5%	380±5%
Electric power	kW	0~0.85	0~1.80
Current	A	0~1.65	0~3.60
Horizontal cooling supply air distance	m	<19	<28
Horizontal heating supply air distance	m	<17	<26
Control mode		Infinite regulation of variable air volume	
Noise	dB	<60	<60




* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.




Unit size		AirTS-SK-I	AirTS-SK-II
Model			
A	mm	900	1100
B	mm	1220	1300
C	mm	500	700
E	mm	570	570
F	mm	100	92
G	mm	117	204
H	mm	167	268
M (internal thread)	mm	DN40	DN50
N (external thread)	mm	DN25	DN32
P	mm	647	695
Q	mm	765	935
Weight	kg	191	250
Water volume	L	5.8	9.8

※For more materials and parameters of non-standard models, such as anti-explosion, anti-corrosion, purification, copious cooling and other functional units, please consult our regional sales personnel.

Technical Specifications

AirTS-DK		Dehumidifying Air Conditioning Units	
		Model	AirTS-DK-I AirTS-DK-II
Fan speed	r/min	0~900	0~860
Standard circulating air volume	m ³ /h	0~5800	0~8500
Voltage	V	380±5%	380±5%
Electric power	kW	0~0.85	0~1.80
Current	A	0~1.65	0~3.60
Applicable installation height	m	4~13	4~21
Control mode		Infinite regulation of variable air volume	
Noise	dB	<60	<60

* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.

AirTS-TK		Recirculated Air Heating and Cooling Units (2-way air diffuser)	
		Model	AirTS-TK
Fan speed	r/min	0~860	
Standard circulating air volume	m ³ /h	0~10100	
Voltage	V	380±5%	
Electric power	kW	0~1.80	
Current	A	0~3.60	
Applicable installation height	m	4~23	
Control mode		Infinite regulation of variable air volume	
Noise	dB	<60	

* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.

Unit size		AirTS-DK-I		AirTS-DK-II	
Model					
A	mm	900		1100	
B	mm	1590		1734	
C	mm	720		920	
E	mm	100		100	
F	mm	95		95	
G	mm	480		568	
H	mm	765		935	
J	mm	997		1075	
K	mm	1217		1323	
L	mm	1457		1583	
M	mm	617		703	
N	mm	567		654	
P (internal thread)	mm	DN25		DN32	
Q (internal thread)	mm	DN40		DN50	
R (external thread)	mm	DN25		DN32	
Weight	kg	180		260	
Water volume	L	12.9		18.1	

※For more materials and parameters of non-standard models, such as anti-explosion, anti-corrosion, purification, copious cooling and other functional units, please consult our regional sales personnel.

Unit size		AirTS-TK	
Model			
A	mm	1100	
B	mm	1540	
C	mm	920	
E	mm	100	
F	mm	95	
H	mm	1100	
J	mm	865	
K	mm	1115	
L	mm	1375	
M (internal thread)	mm	DN50	
N (external thread)	mm	DN32	
Weight	kg	235	
Water volume	L	13.2	

※For more materials and parameters of non-standard models, such as anti-explosion, anti-corrosion, purification, copious cooling and other functional units, please consult our regional sales personnel.

Technical Specifications

AirTS-KM		Recirculated Air Heating and Cooling Units (louvered)	
Model		AirTS-KM-I	AirTS-KM-II
Fan speed	r/min	0~1300	0~860
Standard circulating air volume	m ³ /h	0~5700	0~11000
Voltage	V	380±5%	380±5%
Electric power	kW	0~0.79	0~1.80
Current	A	0~1.45	0~3.60
Applicable installation height	m	4~9	4~21
Control mode		Infinite regulation of variable air volume	
Noise	dB	<59	<65

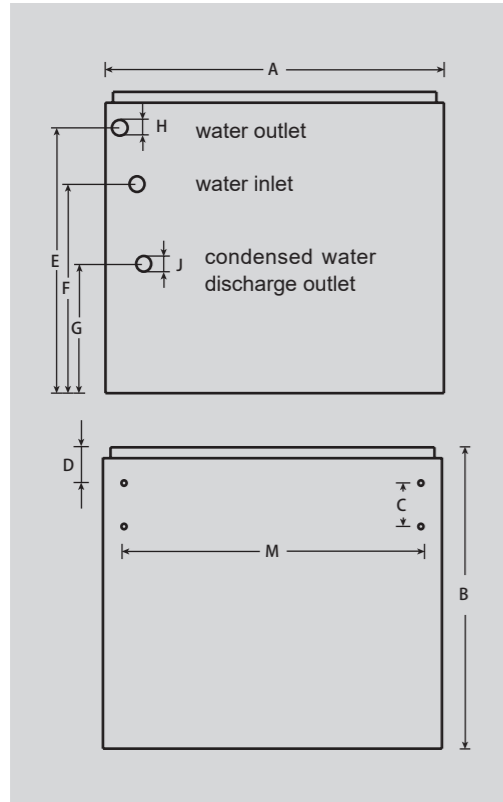


* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.

AirTS-AR		Heating and Cooling Units (multifunctional)	
Model		AirTS-AR	
Fan speed	r/min	0~860	
Standard circulating air volume	m ³ /h	0~10100	
Voltage	V	380±5%	
Electric power	kW	7.4	
Current	A	13.0	
Applicable installation height	m	4~21	
Fresh air volume	m ³ /h	7100	
Control mode		Infinite regulation of variable air volume	
Noise	dB	<60	

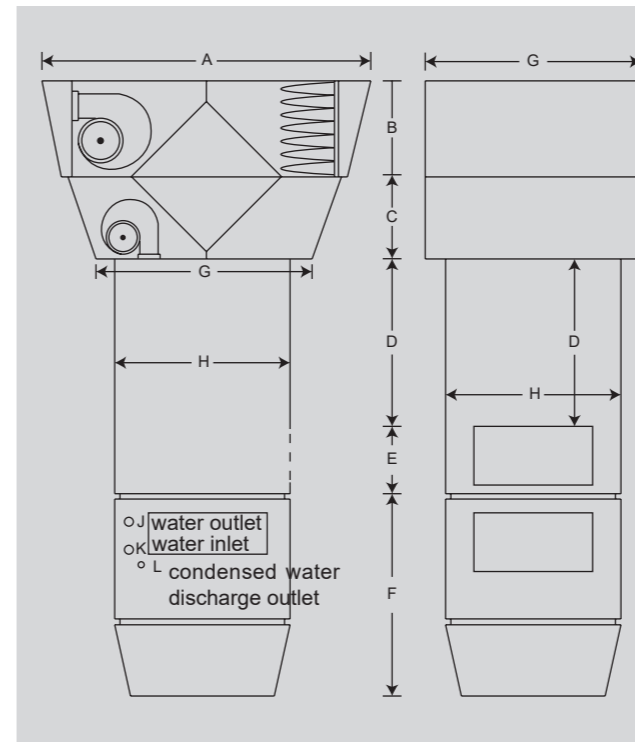


* If the installation height is outside the scope of application, please communicate with the manufacturer and customize the non-standard model.



Unit size			
Model		AirTS-KM-I	AirTS-KM-II
A	mm	780	1100
B	mm	740	1100
C	mm	100	100
D	mm	95	95
E	mm	600	950
F	mm	435	790
G	mm	240	593
H (internal thread)	mm	DN32	DN50
J (external thread)	mm	DN25	DN32
M	mm	650	920
Weight	kg	92	198
Water volume	L	9.0	10.0

※For more materials and parameters of non-standard models, such as anti-explosion, anti-corrosion, purification, copious cooling and other functional units, please consult our regional sales personnel.



Unit size		
Model		AirTS-AR
A	mm	1910
B	mm	630
C	mm	600
D	mm	890
E	mm	500
F	mm	1440
G	mm	1450
H	mm	1100
J (internal thread)	mm	DN50
K (internal thread)	mm	DN50
L (external thread)	mm	DN32
Weight	kg	790
Water volume	L	13.2

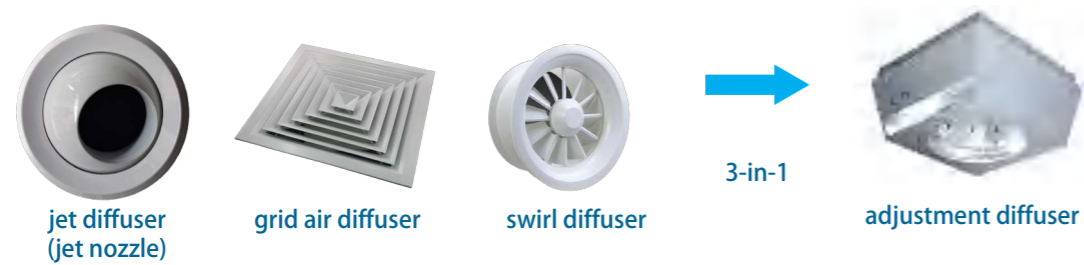
※For more materials and parameters of non-standard models, such as anti-explosion, anti-corrosion, purification, copious cooling and other functional units, please consult our regional sales personnel.

Technical Characteristics

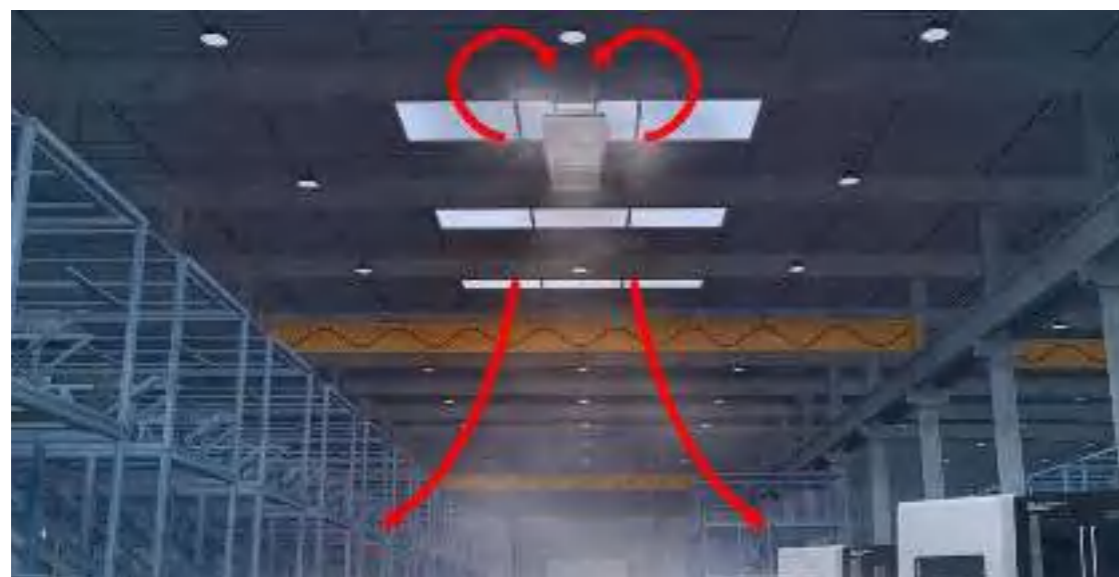
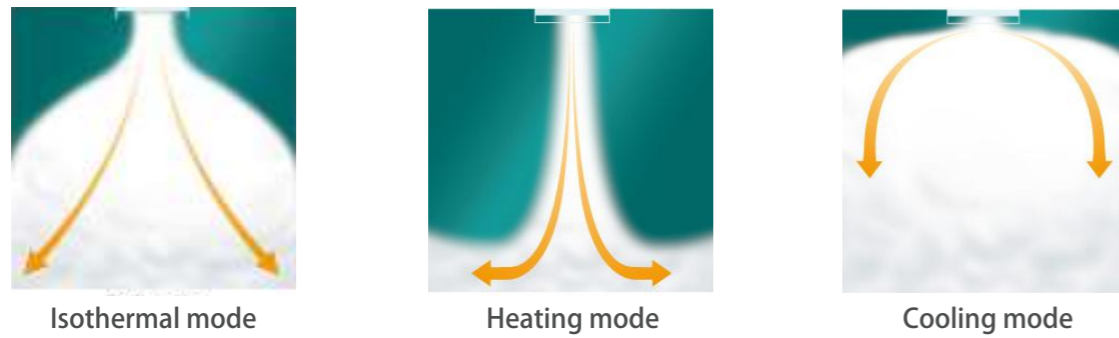
The large space dedicated air conditioner, lifted on the roof or stand column, achieves air heating through the heat exchangers in the equipment and then evenly distributes the cold and hot air throughout the space by means of efficient air distribution device to balance the indoor temperature and to eliminate the undesirable indoor temperature layers.

The suction type axial flow fans are used to effectively recover the heat rising to the headspace to minimize the loss of the heat through the roof, thereby perfectly solving the thermal drift problems of heating in large space in winter and achieving energy-saving effect.

Stepless adjustment of wind speed and wind out angle while guaranteeing the temperature in the working area can achieve calm sense in the workspace environment and truly meet the comfortable heating needs in large space.

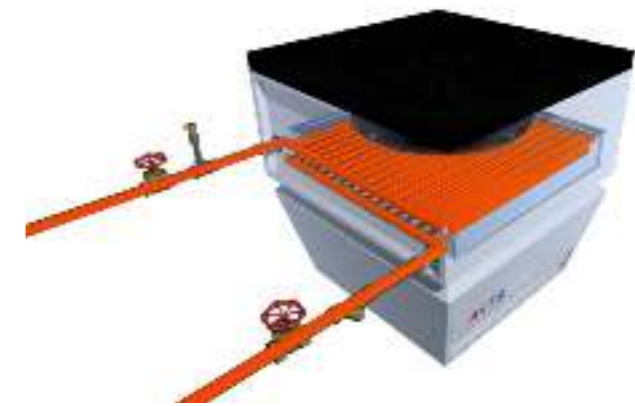


Three air supply modes



Schematic diagram of hot air circulating down

When hot water or steam passes the equipment, the efficient heat exchanger in the equipment is used to achieve rapid heating of the air.



The condensed water in the cooling conditions is the core technical problem bothering the air conditioning technicians. AirTS-K products conduct technical processing in the following two aspects, completely solving the stratigraphic leak of condensed water.



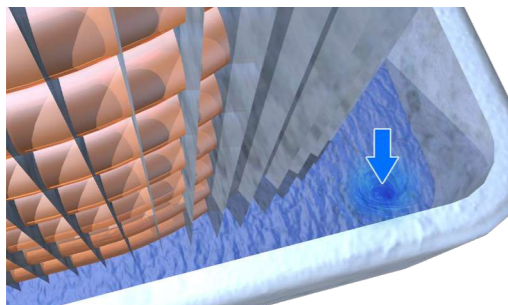
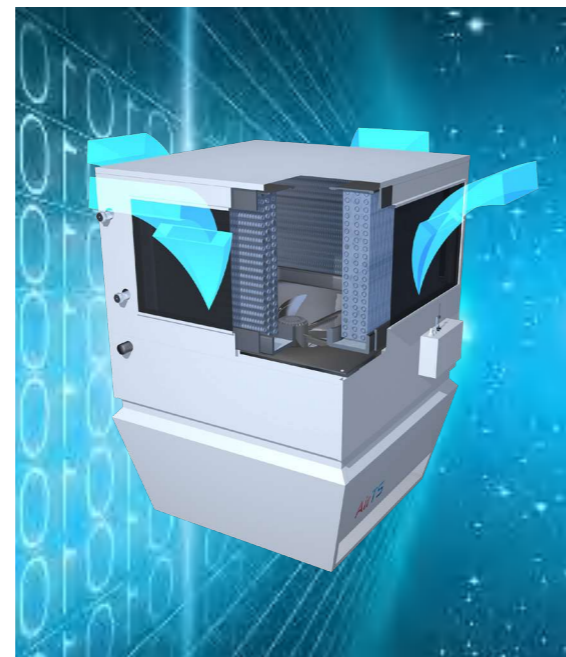
Technical Characteristics

Condensed Water Treatment

The condensed water in the cooling conditions is the core technical problem bothering the air conditioning technicians. AirTS-K products conduct technical processing in the following two aspects, completely solving the stratigraphic leak of condensed water.

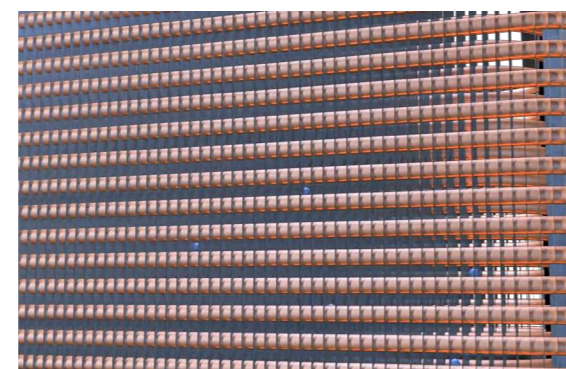
Normal Operation Status of Fan

When there is cold water through the equipment surface air cooler in the normal operation conditions of the fan, the aluminum foil fin is attached with condensed water. The aluminum foil fin of the surface air cooler of the AirTS-K products is parallel to the direction of air outlet. The wind area of the surface air cooler is accurately calculated to ensure that the wind speed through the fin cannot over the gravity of the condensed water under the maximum wind speed and that the condensed water automatically falls to the water catcher below the surface air cooler and is discharged through the condensed pipe.



Fan Stop Status

In the event that the fan stops running, the cold water still passes the surface air cooler. Due to the lack of air drying, the aluminum foil fin of the surface air cooler has lower temperature and greater condensed water volume. Considering the effects of wind resistance, the condensed water flows down to the water catchers completely under gravity and is discharged from the condense pipe for AirTS-K products in the absence of wind. The water catchers with the water capacity of 18 liters of AirTS-K products are placed on four sides below the surface air cooler, far meeting the condensed water production and discharge rate under extreme humidity conditions.



Air Distance and Heating Affect

AirTS-K products, with long air distance, high hot and cold air volume and installation height up to 20m, have no parts between the fan and the air outlet.



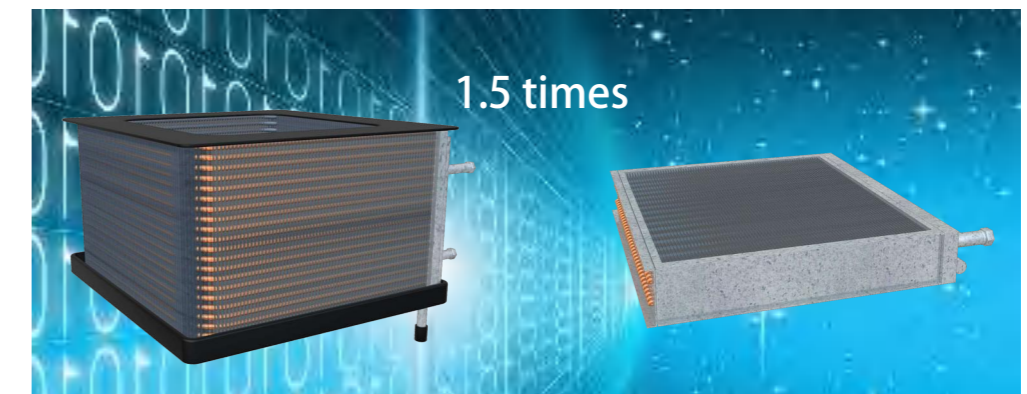
Noise and Installation

The fans of AirTS-K products are installed inside the equipment to effectively reduce the noise. The shell inside the hot and cold unit equipment is attached with noise reduction and sound absorption materials to further reduce the noise. AirTS-K products, with all-round return air structure, can be attached to the top and requires less installation space.



Mouth-shaped Surface Air Cooler

With latticed and complexly manufactured surface air cooler, the heat exchange area of 1.5 times of general surface air cooler, more significant heating and cooling effect, small wind resistance, large hot and cold air volume and large heat exchange area of surface air cooler, AirTS-K products have the air distance and heating effect superior to the company heating unit products.



Technical Comparison

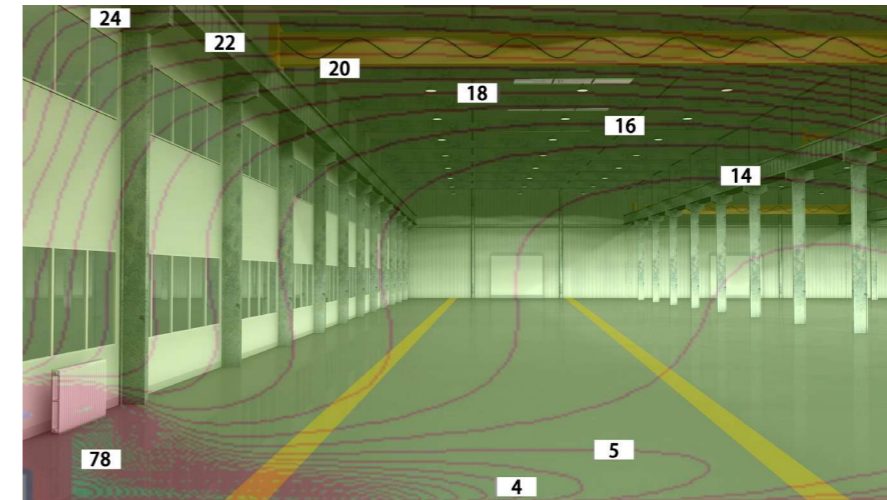
Radiator Heating

1. For the larger space depth, radiator is used for heating to make the air natural convection and hot air rise.
2. The radiator can radiate in a small area, not exceeding 5m. The heat dissipates after rising to the roof so that the temperature in the middle area cannot rise effectively.
3. The heating mode of radiator has high requirements for water supply temperature.



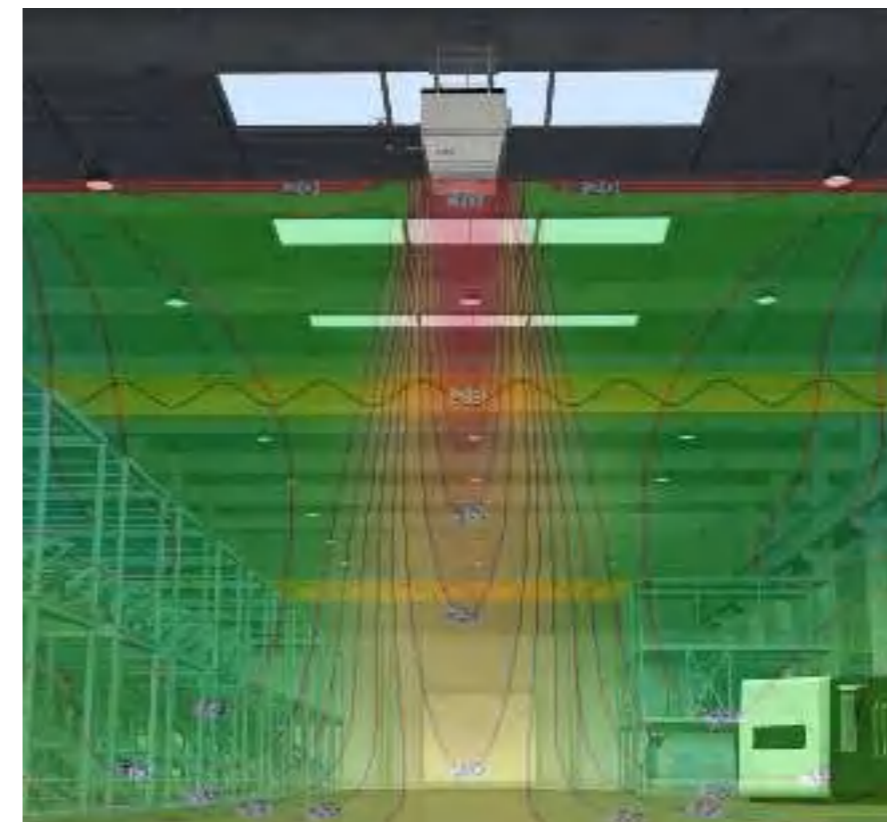
Fan Heater Heating

1. There are strong wind and high temperature in the space near the fan heater.
2. The temperature is low in the space away from the fan heater.
3. Wind and temperature are distributed unevenly in the space, which cannot meet the requirements of comfortable heating. The fan heater is only suitable for small spaces. If it is used in large space, the temperature in the middle area cannot be increased effectively.



Temp Field Comparison

It can be seen from the radiator heating temperature field image that the heat is mainly gathered on the roof and the temperature is low in the lower working area.



The large space heating unit forcedly and quickly sends the hot air down, making the temperature in the working area rise rapidly.

AirTS large space dedicated air conditioner can reach heating, cooling, fresh air and other functions only in a single device and achieve multiple purposes, significantly reducing the integrated investment costs.

AirTS large space dedicated air conditioner can make adjustments according to various conditions and schedule changes in the field environment, achieving real-time control of timing startup & shutdown, wind speed, air supply angle and other working conditions.