

Specifications

PARAMETERS TABLE

Model	Entire System	TSA/R10NR(D)	TSA/R15NR(D)	TSA/R20NR(D)	TSA/R25NR(D)	TSA/R30NR(D)	TSA/R50NR(D)(I)	TSA/R60NR(D)
	ODU	TSA10NR	TSA15NR	TSA20NR	TSA25NR	TSA30NR	TSA50NR(I)	TSA60NR
	IDU	TSR10NR(D)	TSR15NR(D)	TSR20NR(D)	TSR25NRD(D)	TSR30NR(D)	TSR50NR(D)(I)	TSR60NR(D)
Cooling capacity (W)		2600	3500	5000	6500	7500	12300	14500
Cooling power (W)		1000	1300	1900	2360	2500	4280	5100
Heating capacity (W)		2900	3800	5700	7000	8000	13500	16000
Heating power (W)		960	1267	1750	2300	2712	4220	5480
External static pressure (Pa)		10	10	10	10	30	30	30
Power supply		220V ~ 50Hz					380V 3N ~ 50Hz	
Air volume (m³/h)		450	520	800	1000	1400	2000	2200
Electric heating capacity (W)		1000	1000	1500	2000	2000	3600	3600
Type of electric heating		PTC						
Condensate pipe diameter (mm)		DN20	DN20	DN20	DN20	DN20	DN20	DN20
Max. allowable pipe length (m)		10	10	20	20	20	50	50
Max. allowable height difference of pipe (m)		5	5	10	10	10	20	20
Noise (dB(A))	ODU	50	51.5	55	56	57	62	62
	IDU	33/29/26	33/29/26	37/30/28	39/33/29	44/40/38	47/43/40	49/46/41
Dimensions (mm) (L*W*H)	ODU	800*260*550	800*260*550	800*260*550	900*300*640	950*340*840	950*340*1050	950*340*1386
	IDU	805*475*200	925*475*200	1005*475*200	1205*475*200	1205*506*240	1605*506*240	1605*530*300
Weight (kg)	ODU	29	34	38	53	61	94	108
	IDU	18	20	21	23	28	41	46
Dimensions of IDU-ODU connecting pipe (mm)		9.52/6.35	12.7/6.35	12.7/6.35	12.7/6.35	15.88/9.52	15.88/9.52	15.88/9.52
Return air purifier		TRP070		TRP090	TRP110	TRP160	TRP220	

Note: 1. The cooling capacity of the unit is obtained from the standard test under indoor dry/wet ball temperature of 27°C/19°C and outdoor dry/wet ball temperature of 35°C/24°C, and the heating capacity is obtained from the standard test under indoor dry/wet ball temperature of 20°C/15°C and outdoor dry/wet ball temperature of 7°C/6°C. The actual cooling/heating capacity may increase or decrease according to the changes of indoor and outdoor ambient temperature and relative humidity.
2. Some of the promotional data is from the company's national accredited laboratories. The company reserves the final interpretation right of above data.

TICA series purified air duct units perfectly match your indoor decorate with the ultra-thin unit body design, pleasant silence effect, and healthy design concept.



4008-601-601

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Note: Due to the continuous improvement and innovation of TICA products, the product model, specifications, and parameters in this file are subject to change without notice.



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Household, commercial, both suitable
TICA Purified Air Duct Unit

FORM NO. A7216G01



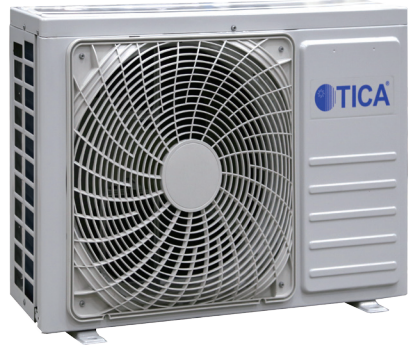
Product Feature

PRODUCT FEATURE

PROFESSIONAL QUALITY, LEADING VALUE

High-efficiency, Energy-saving, and Fast Heating & Cooling

Internationally renowned brand of compressor with optimal performance and more stable operation. Inner grooved copper tube of the heat exchanger and hydrophilic aluminum foil ensure high heat exchange efficiency and better performance. Fast heating and cooling.



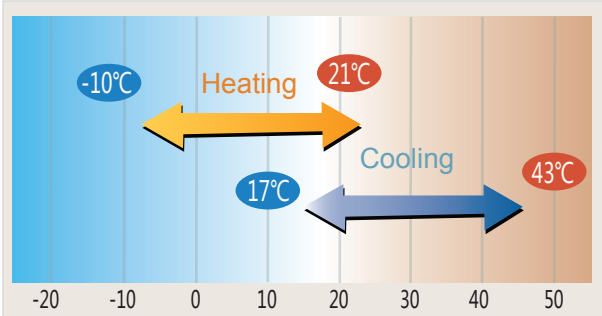
Single-fan ODU



Double-fan ODU

Highly Adaptable to the Environment, Low Heating Attenuation in Winter

Wide operating temperature range: Ordinary cooling range of 17°C ~ 43°C, and heating range of -10°C ~ 21°C, which meets the requirements of heating under low temperature in winter.



Stable and Quiet Operation

The porous absorption type silencer cotton effectively isolates noise of the compressor. Streamlined air tunnel reduces eddy current. Highly efficient silencer decreases exhaust surge to prevent noise during heating. New 3D fan blades bring greater air volume and lower noise. Silence design can decrease indoor noise to as low as 26 dB(A).



Environmentally-friendly and Energy-saving

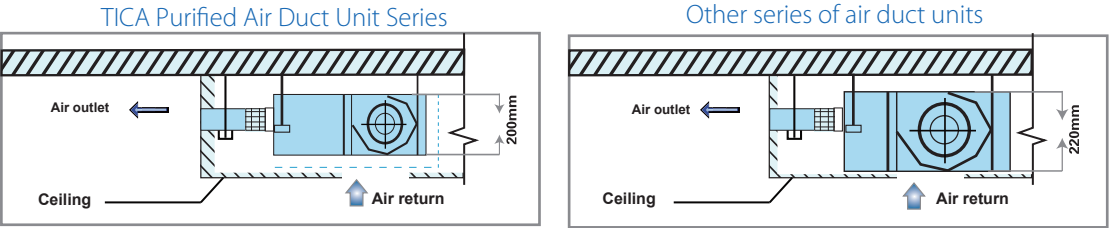
The unit uses environmentally-friendly R410A refrigerant, which not only has the advantage of zero damage to the ozone layer, but also has high heat exchange efficiency, thus improving the unit performance and lowering energy consumption.

	R22	R410A
ODP臭氧破坏系数	0.055	0



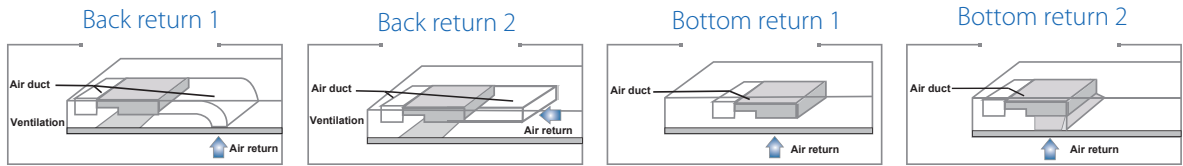
Ultra-thin Design

The ultra-thin design perfectly integrates with the indoor decoration. The minimum thickness of the unit is only 200 mm, which suits hidden-type installation and various decoration styles.



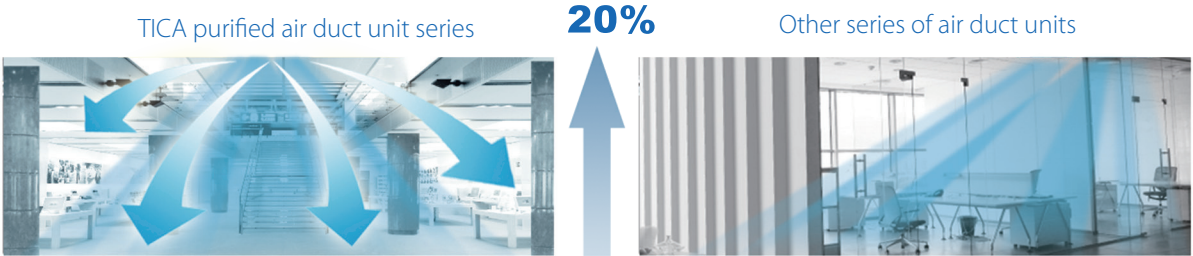
Flexible Air Return

Flexible air return. The unit is equipped with an air return plenum, which can be flexibly adjusted to select the bottom return or back return mode as needed.



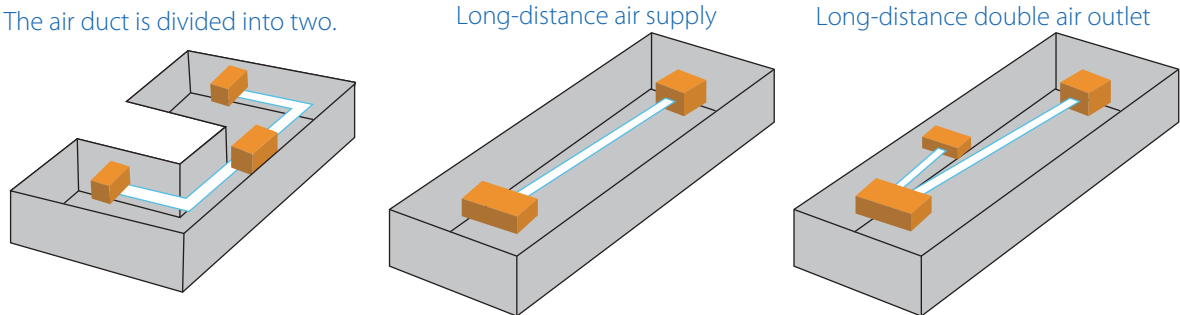
Strong Air Supply

The air supply is strong and fast. 3HP and above of the TICA series purified air duct units feature the air volume 20% greater than that of the same unit of other manufacturers and can quickly supply strong air, more applicable to commercial scenarios.



Adjustable Static Pressure

6-speed motor is the standard equipment of the unit, and supply air static pressure can be flexibly adjusted according to the on-site installation conditions.

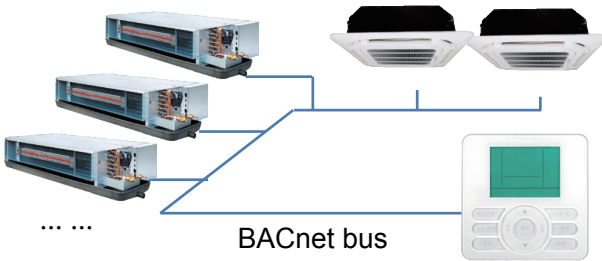


Strong Heating Capacity

The strong heating capacity of the unit removes your worries of being cold. The full series of standard auxiliary electric heating can operate intelligently, ensuring your comfortableness in cold days.

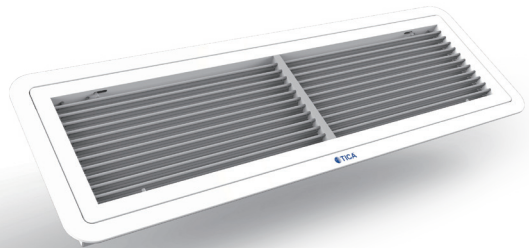
Centralized Control

The intelligent control of TICA unitary products implements both centralized control over up to 16 units and group control. The control system has daily reminder. The control system uses BACnet protocol and can be directly connected to a building automation system (BAS).

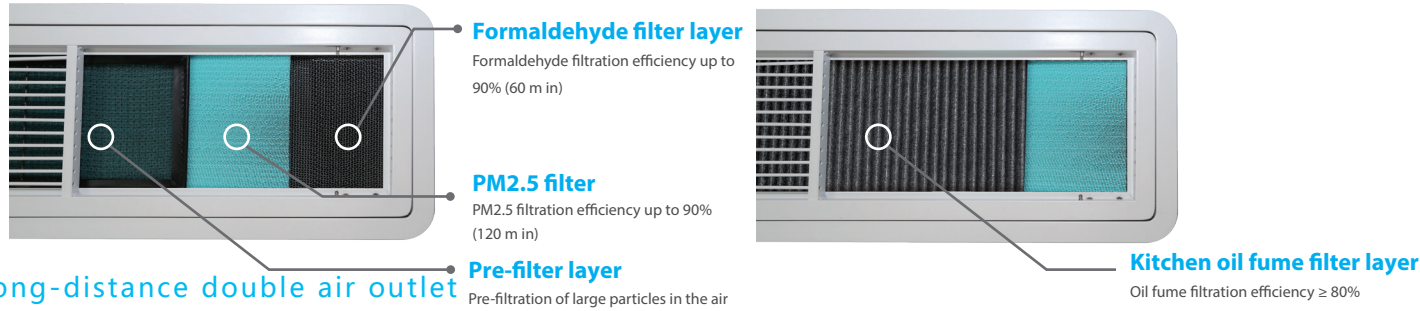


Enjoy Freshness Experience Cleanliness

Delight Kitchen Care for Health



Unit air volume: 340~2400m³/h ;



PM2.5 filter screen

- 1) Low resistance: 5 Pa&1m/s; open passage;
- 2) 100% synthetic fiber, resistant to moisture and general chemicals;
- 3) Environmentally friendly and fungus resistant.

Formaldehyde filter layer

- 1) The broad surface of porous carrier is uniformly laid with trapping agents to allow quick reaction with aldehyde group;
- 2) The aldehydes substances are removed via chemical reactions; thereby no secondary release is generated due to excessive absorption and heating.

Oil fume filter layer

- 1) Resistance ≤ 10 Pa;
- 2) Professional antifungal and antibacterial performance, with antibacterial rate ≥ 90% and antifungal class: 0;
- 3) Heat & flame resistance, flame retardant grade: UL94HB;
- 4) Durable for 1250 hours.

TICA kitchen-specific central air conditioner creates a comfortable cooking environment, bringing in the kitchen coolness and freshness as well as joy and health.