

Large Air Volume

Sufficient fresh air for large space

Fresh air is continuously introduced indoors, which effectively reduces the indoor CO₂ concentration and dilutes the odor of decoration and furniture.

It meets fresh air demand of 8-25 people*.

Suitable for large flat floors, duplex buildings, villas and other home spaces, hospitals, schools, gyms and other large spaces.

400-800 m³/h fresh air volume.



22 minute cycle
For purification of the living room



45 minute cycle
For purification of the whole house



Maximum 800 m³/h
Fresh air volume

* Calculated based on the standard space with a floor height of 3 meters (applicable to X8), the living room area is set as 100m², and the entire house area is set as 200m²

"It can meet the fresh air demand for 8-25 people" is a conclusion drawn according to the requirements for air exchange/person/hour in JGJ/T 309-2013 Standard for Testing and Evaluating Building Ventilation Effect.



Hospital



School



Gym

Multiple Choices

5 modes for your choice

Multiple working modes to adapt to different indoor environmental conditions and meet more application needs.



Fresh air mode

In fresh air mode, 100% outdoor fresh air is introduced to continuously provide fresh air and reduce indoor CO₂ content.



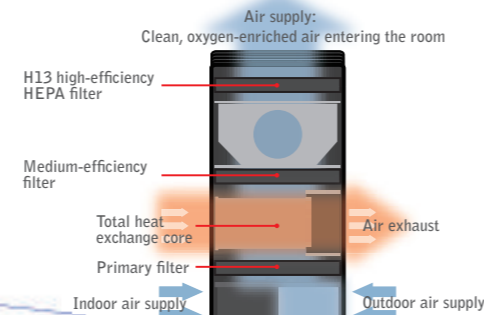
Internal circulation mode

When the indoor PM_{2.5} concentration is too high, the "internal circulation mode" is automatically turned on to quickly circulate and purify the indoor air and reduce the PM_{2.5} concentration.



Smart mode

In smart mode, the whole machine automatically switches between the fresh air mode, internal circulation mode and mixed air mode according to the PM_{2.5} and CO₂ detection values. In the mixed air mode, outdoor fresh air supply and indoor air internal circulation and purification are performed simultaneously, which can effectively supply fresh oxygen, continuously purify indoor air and reduce energy consumption.



Sleep mode

The fresh air is supplied at the low level to meet oxygen demands during sleep. It runs silently and the panel indicator extinguishes to prevent noise and light disturbing your sleep.



MAX mode

When indoor air pollution is serious, this mode is turned on to quickly improve indoor air quality and reduce PM_{2.5}. After running for 30 minutes, the host automatically enters the smart mode, it is convenient and worry-free.

Smart home

Remote control with your mobile phone

Before you go home and after you go out, you can easily check the air quality in your home and perform related operations, so it is convenient and worry-free.



IAQ visual real-time air monitoring



Remote smart control



Maintenance reminder



Real-time air quality

Multiple operating modes

Different air volume selections

* Please scan the QR Code on the back cover to download the Broan Air APP to experience this function.

High definition for clear display

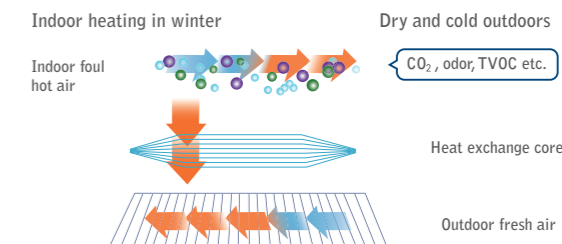
Real-time monitoring of air quality (PM_{2.5}, CO₂) indoor temperature and humidity, and outdoor temperature
1204 * 768 HD IPS display for a clear display and better experience



Low energy consumption

Dual design for high efficiency and energy conservation

High-quality and durable energy exchange core
The enthalpy efficiencies for cooling and heating are up to 55% and 60% respectively, higher than those specified in the national standard. When fresh air is introduced, the cold or hot energy in the foul air is recovered as it is discharged outdoors, reducing the air conditioning load and saving energy



Winter

Heat and moisture are retained through the energy exchange core, thus increasing the temperature and humidity of the fresh air.

DC motor

Inner rotor DC motor

Saving electric power by up to 30%*, more durable
* The data are obtained by comparison with the AC motor products of our company for the same air volume.

High precision

Sensitive response and precise detection



CO₂ sensor

Senseair CO₂ sensor imported from Sweden
Accuracy: ± 40 ppm
It updates the data quickly to truly reflect the current indoor CO₂ concentration.



PM_{2.5} sensor

High-precision laser dust sensor for real-time response and continuous acquisition
Minimum identified particle size of 0.3µm, and accurate detection of PM_{2.5} concentration

Triple filters for efficient cleaning



• G4 primary filter, which filters visible particles



• F7 medium-efficiency filter, which further filters particles and has a long service life



• If the anti-bacterial and anti-viral effect of fresh air system needs to be improved, a highly effective anti-bacterial and anti-viral filter can be selected. The filter reaches HEPA H13 filtration level, and the anti-bacterial and anti-viral functions are added. The filter material was tested by Guangdong detection center of microbiology.

• The anti-bacterial rate of staphylococcus aureus and escherichia coli is >99%, and the anti-viral rate of H1N1 is > 99%. The filter can effectively reduce bacteria and virus production, and reduce the cross infection of respiratory infectious diseases in confined space.

The energy recovery chip is washable, environmentally friendly and durable.

*Long-lasting: It can be rinsed with clean water and reused with a long service life

*Energy saving: Air tightness 98%, enthalpy exchange rate 60%

*Hygienic: Antibacterial (Staphylococcus aureus) 99.9%
Antiviral (H1N1) 99.9%

Safe: In conformity to the EU RoHS

*Mildew-proof: Grade 0 (ASTM G21-15 highest grade)

* Test unit: Guangdong Detection Center of Microbiology

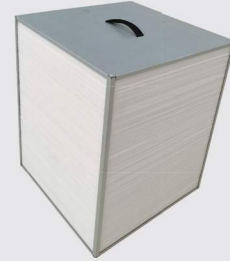
Report No.: 1. 2020FM17761R01

2. 2020FM21926R01 3. 2020FM17762R01

Test unit – SGS Guangzhou Branch,

Report No.: CANEC2010225501

Data tested by BROAN laboratory



Product Parameters

Model	Fresh air volume (m³/h)	Exhaust air volume (m³/h)	Power (W)	Noise (dB(A))	One-time PM2.5 filtration efficiency(%)	Cooling enthalpy efficiency(%)	Heating enthalpy efficiency(%)	Product dimensions mm (H*L*W)	Net weight (kg)	Connection pipe size (mm)
Cabinet IAQ X4	400	400	180	47	98%	55	60	1500*470*384	62	Φ160x2
Cabinet IAQ X8	800	800	500	52	98%	55	60	1800*570*464	98	Φ200x2

Note: The above data are obtained at [National Quality Supervision and Inspection Center for Air Conditioning Equipment].

Report No.: NCSA-2019HR-0028/NCSA-2019HR-0027

Remarks:

Due to printing constraints, the color of the picture might differ from the actual color of the product;

In order to better adapt the product to consumer needs, Broan reserves the right to modify sample data without prior notice;

If the technical parameters change, please refer to the user manual.

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BROAN®

You Deserve Fresh Air

Precision and Smart Experience Significantly Different

| X4/X8 Bidirectional Flow Cabinet |
Air Ventilation Recycling System |

