BROAN®

You Deserve Fresh Air

No need to open the window

Silent fresh air supply for your whole family

WA100

WA100 Unidirectional Flow Wall-mounted Anti-haze Air Ventilation Recycling System

It only needs about 20 minutes to purify your bedroom each time. *
Fresh air is constantly introduced indoors.
It effectively supplies oxygen to dilute decoration odor.

Real-time monitoring of PM2.5

- Real-time monitoring of indoor PM2.5, the values and the air quality status are clear at a glance.
- High-precision laser dust sensor for sensitive detection and accurate results.

Widely used in air purifiers, fresh air controllers and other products.

The minimum identified particle size is 0.3 μm.
Supporting PWM, UART_TTL and I2C signal output
Four measurement modes - Single, Continuous, Timing and Dynamic

Smart auxiliary heating that is comfortable and energy-saving

- When the outdoor temperature is low (less than 13 ℃), the auxiliary heating mode is automatically turned on to increase the air supply temperature, so that it can be close to room temperature and feels comfortable.
- PTC ceramic heating, fin type design, high safety.
- Two-level heating (380W/570W PTC heating) for your flexible selection according to temperature difference, high efficiency and energy saving.

PTC constant temperature heating element

Remote control

Smart and easy push-button operation

Good outdoor air

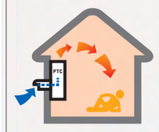
Fresh air is constantly introduced indoors

- The fresh air mode is automatically turned on to constantly introduce filtered f resh air indoors.

Indoor PM2.5 pollution

Fast removal of indoor PM 2.5

- It automatically turns on the internal circulation mode, uses an H13 HEPA filter, purifies the indoor air multiple times, and continuously reduces the PM2.5 concentration.



Outdoor low temperature

The PTC auxiliary heating is automatically turned on.

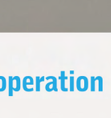
- When the outdoor fresh air temperature is lower than 13 ℃, the PTC auxiliary heating is automatically turned on, and the 380/570W power quickly heats the fresh air.

High-efficiency and energy-saving

- BLDC motor, consuming less than 1 kWh a day

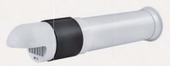
Quiet and comfortable

- The noise is as low as 26dB for your sound sleep.



Easy installation

- According to different house structures and different house layouts, you can choose wall-mounted components for flexible installation.



Accessories for wall mounting

Product parameters

Model	Voltage (V/Hz)	Fresh air volume (m^3/h)	Internal circulation (m^3/h)	PTC auxiliary heating power (W)	Power (W) (excluding PTC auxiliary heating)	High-level noise (dB)	Low-level noise (dB)	One-time PM2.5 filtration efficiency	Air detection	Dimensions (mm)	Connection pipe size (mm)
WA100	220 / 50	30/60/100	30/60/100/ 130(max)	380/570	23.5	43	26	98%	PM2.5 aser type	620*400*134	110mm

* The data come from the test results of Broan Lab.
The parameters are for reference only. There may be parameter fluctuations in different batches of products, so the user manual for each batch of products shall prevail.

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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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No.:YT2020002A

BROAN®

You Deserve Fresh Air

WA60

A Room That Can Breathe

60m³/h comfortable fresh air
Designed for small areas, such as bedrooms and apartments

WA60 Unidirectional Flow Wall-mounted Anti-haze Air Ventilation Recycling System

It is more advisable to choose the right one rather than the bigger one.
The right air volume, right energy consumption, and right consumables
24-hour long-lasting protection for fresh air
Suitable for a room area of 10-30m², it can meet the breathing volume of 1-2 people
*Estimated with floor height of 2.5m and demand of 30m³/hour/person fresh air

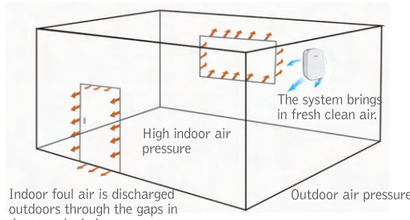
BROAN

WA60 Unidirectional Flow Wall-mounted
Anti-haze Air Ventilation Recycling System

Slightly positive pressure indoor constant oxygen, diluting indoor gaseous pollutants

Easily installed, slightly positive pressure principle. It quickly dilutes TVOC and other indoor pollution gases, pollution from decoration, achieving 24-hour ventilation in the room and reducing apartment ventilation time.

1. It absorbs outdoor air while purifying it into pure aerobic air.
2. By continuously introducing pure air, it can effectively form a slightly positive pressure circulation of the air in the whole room.
3. Maintain indoor constant oxygen levels and discharging indoor gaseous pollutants, such as formaldehyde and TVOC.



Multiple modes for your choice

High-quality sensor with multiple modes for automatic adjustment

Smart mode

With a PM 2.5 laser sensor
Sensitive response and accurate detection of PM2.5 concentration

APP-controlled or IoT-controlled energy consumption and consumables

The high-quality sensor monitors indoor air quality in real time. Built-in intelligent algorithms for temperature and PM2.5 automatically adjust the working state according to air conditions; intelligent and convenient.

Fresh air mode

It continuously introduces fresh outdoor air, dilutes indoor harmful gas concentration, and keeps the living environment fresh and comfortable

Sleep mode

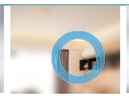
The night sleep mode can be turned on with one button, and the host runs at level 1 with low noise for worry-free sleep.

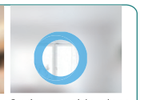
Mini size for excellent accessibility

The panel size is as small as 2/3 of A3 paper.
Product dimensions: 354 mm * 228 mm * 110 mm

Suitable for a room area of 10-30m²

Inside the modular furniture


Small wall area


On immovable glass

Wall mounting method

Only 75mm aperture is required for mounting without damaging the wall, and mounting costs can be reduced.

Wall mounting

Fast mounting, only a 75 mm air-conditioning hole is required without affecting the stability of the wall.

Double filtration, efficient and affordable

Low maintenance frequency and low maintenance cost
High-quality 3M filter materials effectively filter PM 2.5 from the air;
Reasonable air duct layout effectively reduces air resistance, increases the service life of consumables and reduces the frequency of replacement; Some filter materials can be reused, and filter material maintenance is simpler.

Primary dust-proof bag
Effectively intercepting pollen and mosquitoes, easy to replace.

H13 high efficiency filter
One-time PM 2.5 purification efficiency of up to 99%

Silent and power saving, without "noticing its presence"

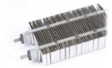
Efficient energy saving and noise reduction, worry-free sleep

High energy efficiency dual motor

24-hour continuous operation	11W low power	0.3 kWh/24 hours

25 dB at the low level

The professional CFD software simulates airflow analysis, the air duct is unobstructed with low resistance, and the noise is as low as 25dB at the low level.



Smart heating

In the winter, the electric auxiliary heat is turned on to maintain the indoor temperature and monitor the increase of energy consumption; corrugated PTC, high heat exchange efficiency and multiple protection against overheating, safe and worry-free.

Product Parameters

Whole Machine											Air detection	Filter performance	Control method			Product features	
Rated frequency	Operating temperature	Rated power	Electric auxiliary heating	Product dimensions	Weight	Fresh air volume	Low-level noise	High-level noise	Connection pipe size								
(V)	(Hz)	(°C)	(W)	(W)	(mm)	(Kg)	(m³/h)	dB	dB	(mm)	PM2.5 laser type	One-time PM2.5 purification efficiency	Host physical buttons	APP	Remote control	Levels	Operating modes
220	50	-20~50	11	219	354*228*110	2.2	60/40/25	25	41	75		99%	Yes	Yes	Yes	3 levels	Manual Sleep Smart

* Related data are obtained by Broan Lab.