







SAFE

Auto shutter can prevent the insects entering and the cold air flowing backward when the unit stops. The outer hood can prevent rain draining back and birds nesting.



MOLD PREVENTION

The ceramic energy regenerators cover with anti bacteria and anti mildew coating. The efficient ventilation can prevent excessive indoor humidity and mold build-up



FLEXIBLE

Unit can work individually or in pairs.



EASY INSTALLATION

One-stop install through interna wall with a single hole.



-ize

EFFICIENT

High heat recovery efficiency of up to 97% is achieved due to the use of a





EASY CONTROL

- Using radio signal for communication.
- Longer distances communication up to 15m without barrier.
- Wider control area, multiple devices can be controlled at the same time.
- Accurate control to avoid controlling the wrong device.















ON/OFF

Regeneration

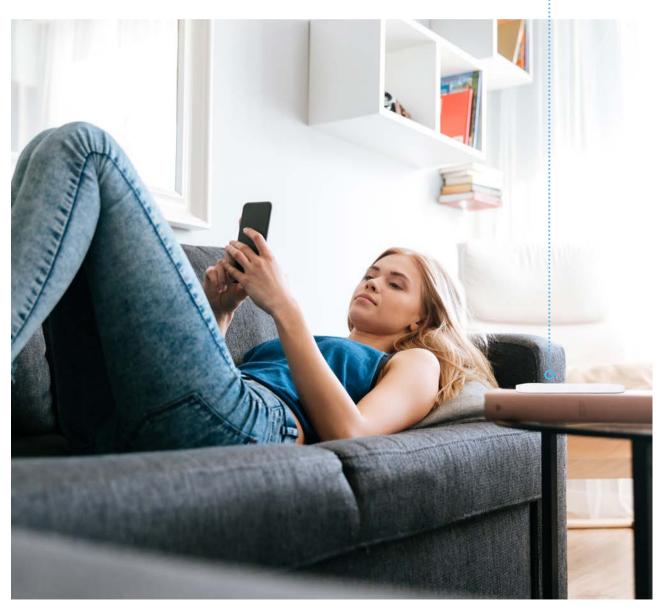
Supply mode

Exhaust

increase

Fan speed decrease

switch



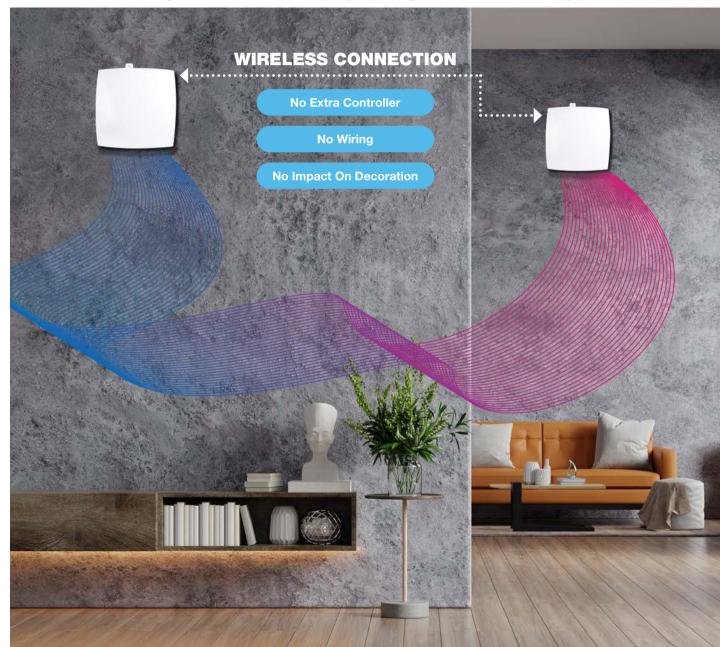




WIRELESS OPERATION IN PAIR TO ENSURE BALANCED VENTILATION

Wireless connection of Leader and Follower unit, no wiring or dialing needed, 30 meters ultra long distance transmission.

* 30 meters was tested without barrier and interference. In practical application, it is recommended to install within 8-15 meters. Please avoid the strong interference sources and shielding objects (e.g. iron frames, aluminum ceiling).





ENERGY SAVING

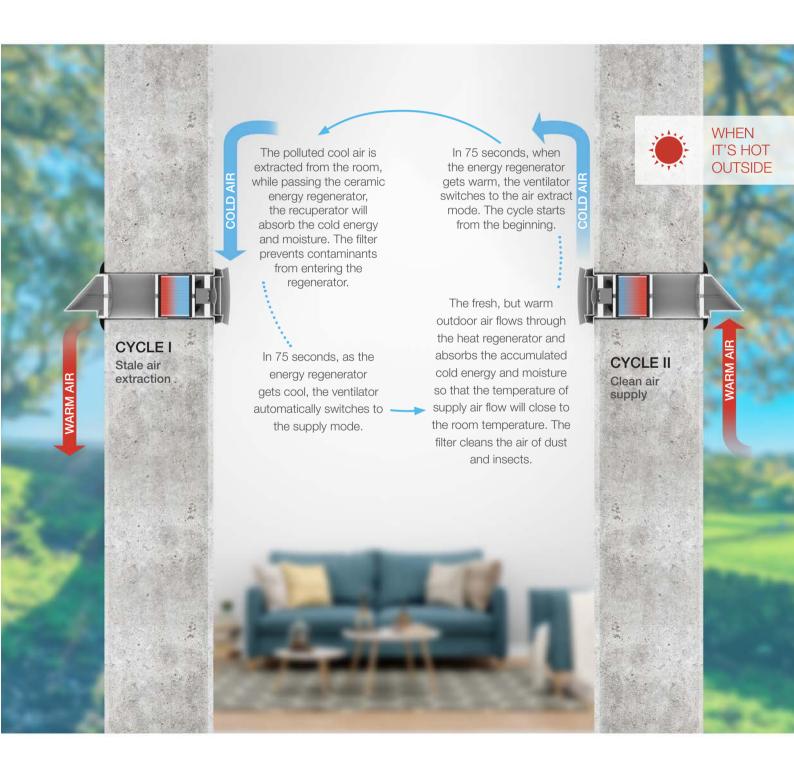
The ventilator operates in the heat recovery mode with two cycles can save energy by over 30% compared with the normal exhaust fan. The heat recovery efficiency is up to 97% when the air first entering the heat regenerator. It can recover the energy in the room and reduce the load on the heating system in winter.





ENERGY RECOVERY

The ventilator operates in the heat recovery mode with two cycles. Two units intake/exhaust air alternately at the same time to achieve balance ventilation. It will increase the indoor comfort and make ventilation more effective. The heat and humidity in the room can be recovered during ventilating and the load on cooling system can be reduced in summer.





PRODUCT STRUCTURE

Reversible EC-Fan

The reversible axial fan with a EC motor. Due to the applied EC technology the fan is featured with low power consumption and silent operation. The fan moto has integrated thermal overheating protection and ball bearings for long service life.

Air Filters

The two integrated air filters with total filtration rate G3 provide supply and extract air filtration. The filters prevent ingress of dust and insects into the supply air and contamination of the ventilator parts. The filters also have antibacterial treatment.

The filter cleaning is done with a vacuum cleaner or water flushing. The antibacterial solution is not removed F7 filter is available as a specially ordered accessory, but when installed, it reduces the air flow down to 40 m³/h

• High Efficiency Energy Regenerator

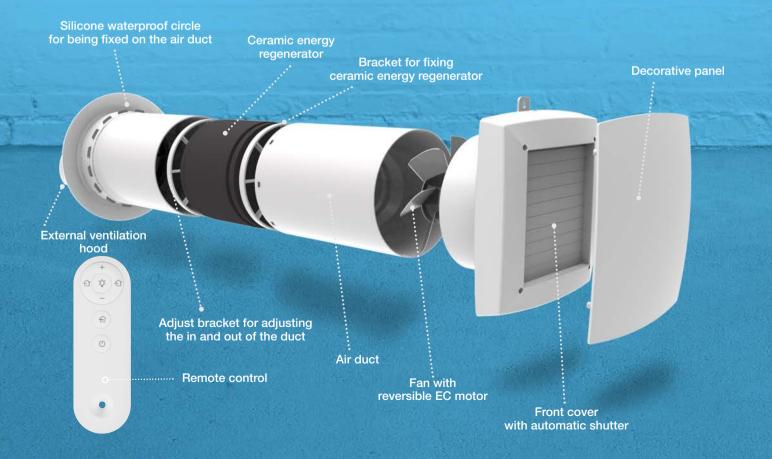
The high-tech ceramic energy accumulator with a regeneration efficiency of up to 97% ensures heat recovery from the exhaust air to heat or cool the supply air flow.

The ceramic regenerator is treated with an antibacterial composition to prevent bacterial growth inside. Both honeycomb type and heat storage ball regenerator are optional.



Regenerator

Heat Storage Ball Regenerator





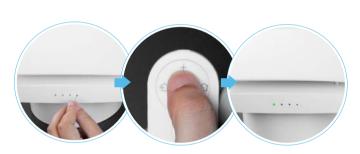


LED DISPLAY

LED Indicator

- The three leds only show the running status, you can turn off the led by the remote controller.
- The green shows as air supply.
- The red shows as air exhaust .
- The yellow shows as regeneration mode which is changed in 75s between the air supply and the air exhsust.
- 3 speed fan control for lighting the number of the led.
- The LED light is switchable.

HOW TO WORK IN PAIRS





Step 1 Leader Ventilator Setting

When the ventilator is powered on and switched off, use the needle to poke the reset button and press it twice quickly. The green LED will flash slowly, the unit enters the matching mode.

Then direct the remote to the unit with flashing light and press the button "+" on the remote to set the Leader unit. After the green LED flashes five times, the setting is done. (Note: One remote can only set one Leader unit.)

Step 2 Follower Ventilator Setting

When the other ventilator is powered on and switched off, use the needle to poke the reset button and press it twice quickly. The green LED will flash slowly, the unit enters the matching mode.

Then use the same remote and direct it to the unit with flashing light and press the button "-" on the remote to set the Follower unit. After the red LED flashes five times, the setting is done. (Note: Multiple units can be set as Follower.)

How To Delete The Setting

When the ventilator is powered on and switched off, use the needle to poke the reset button and long press it for 10s, the yellow LED light will flash three times, then the unit will return to factory state.

Operation In Different Mode

The ON/OFF, LED light switch, and the increase and decrease of fan speed of the two ventilators are synchronized.



Regeneration Mode

Under regeneration model, the ventilators work in pair, one will extract air and the other will supply air. The fans rotate in different direction.



Supply Mode

Under supply mode, two ventilators will run simultaneously to supply air to the room.



Exhaust Mode

Under exhaust mode, two ventilators will exhaust air simultaneously.



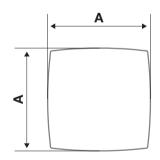
TECHNICAL DATA

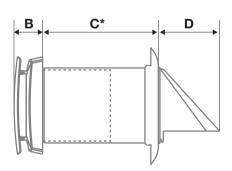


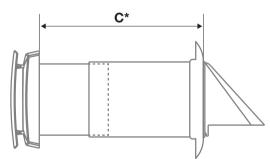


Model No.	AV-TTW6-W			
Voltage		100V~240V AC /50-60H	40V AC /50-60Hz	
Power [W]	5.9	8.8	11.3	
Current [A]	0.03	0.05	0.06	
Air flow in supply/exhaust mode [m³/h]	26	55	64	
Air flow in regeneration mode [m³/h]	14	27	32	
SFP [W/m³/h]	0.43	0.31	0.35	
Sound pressure level at 1 m distance [dBA]	28	32.9	36.7	
Sound pressure level at 3 m distance [dBA]	12	27.5	31.9	
Regeneration Efficiency		Up to 97%		
SEC		Class A		
Transported air temperature [°C]	-20~50			
Ingress Protection Rating	IPX2			
RPM	2000 (max)			
Diameter of duct [mm	159mm			
Type of installation	Wall mounting			
Net Weight	3.4kg			

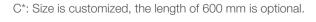
DIMENSIONS

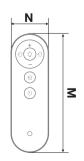






Α	В	C*	D	M N Unit
205	60	230~420	143	128 38.5 mm







OTHER FANS AND ACCESSORIES

Product Name	Model	Airflow (m³/h)	Power (W)	Static Pressure (Pa)	Noise dB(A)	Pipe Diameter (mm)
	AV-C145-DA	145	11.2	61	30	100
90° Supply Fan						
	AV-C138-DB	138	3.8	42	37	150
Exhaust Fan	AV-C246-DB	246	4.5	20	36	190
Ducted Exhaust Fan	AV-C182-DD-P	182	8.4	82.7	32.8	100
(Platic Type)						
	AV-C156-DD-M	156	12.5	155	41	100
Ducted Exhaust Fan (Metal Type)	AV-C366-DD-M	366	27.3	242	45	150
2				e to connect to network for spe		Google Home
	ZSTY-SM-11W-EU	Remote	Control	Running Statu	s Display	Weekly timer
WIFI Touch Screen Panel		Speech of	control	Linkage contr	rol	Scene control
Smart Air Quality Detector	AS-AQ011Z	detecting; For excess alert Support TU	ormaldehyde ; Temperature	e detecting; PM2 detecting; C6H6 e; Humidity; Time to connect with f on control.	detecting; T ; Calendar	VOC; AQI; AQI
F7 Filter	AS-AQF7	Filter Class F7 - ASHRAE MERV11, EN779 F7. The F7 filter is a particulate filter, which filters coarse to very fine dust particles, pollen and animal hair from the air. Suitable for people with allergies. *The airflow of the ERV will reduce to 40 m³/h when installed.				



ACCESSORIES

Picture	Accessory Name	Product Code	Picture	Accessory Name	Product Code
	Kit for the thin wall	AS-KTW001		Plastic round grille	AS-PRG002
	Extended pipe (Ø 160, Length 390 mm, to extend the total pipe length to 600 mm)	AS-EDP001		Stainless steel round grille	AS-SRG001
	Ventilation hood for indoor mounting	AS-VHI001		Remote controller	QB09-IR-PYJ01
	Metal outer hood with electrical heater	AS-MHE001White/ AS-MHE001-B Black		Platic hood	AS-PSG003 White/ AS-PSG003-B Black
	Metal outer hood	AS-MHN001 White/ AS-MHN001-B Black		White painted metal outer hood for thin walls	AS-MHN002 White/ AS-MHN003 Black
	Plastic square grille	AS-PSG002		F7 (MERV13) filter	Ø143*35 01000000840
	Heat storage ball regenerator	AS-TA50-2		Honeycomb regenerator	01000000097
	Coarse filter	AS-PFN001		Indoor Unit	01000001151



PROVIDES COMFORTABLE BREATHING ENVIRONMENT IN VARIOUS PREMISES

The room area for the ventilators in pairs is up to 50m². For example, if the room size is 100m², it's suitable to use two pairs of AV-TTW6-W.

No.	Picture	Model	Number
1	(19)	AV-TTW6-W	2 pcs
2	(je)	AV-TTW6-W	2 pcs
3		AV-C145-DA, ZSTY-SM-11W-EU	1 set
4		AV-C138-DB, ZSTY-SM-11W-EU	1 set
5		AV-C138-DB, ZSTY-SM-11W-EU	1 set
6		AS-AQ011Z	1 pc

^{*}The area is approximate and depends on the ventilation standards in the user's country.





GROUP CONTROL

The ventilator can create group control at the APP, the quantity is not limited. User can control all the ventilators in the group easily.







SCENE CONTROL

User can create the scene according to the weather changes, schedule or the device status changes.

For example, when the weather shows the outdoor relative humidity is higher than 85%, user can set the ventilator to stop or run at exhaust mode, to prevent the outdoor humidity coming inside. The unit will run according to the setting automatically.



LINKAGE CONTROL

Users can add the devices with Tuya APP to their home screen. For example, they can add all the single room ventilators, exhaust fans or light switches in the APP and control them at their will.





SMART AIR QUALITY DETECTOR



Track 6 air quality factors. Accurately detect the current CO2 concentration, temperature, humidity and PM2.5 in the air. Wifi function available, connect device with Tuya App and view the data in realtime. It can connect with Eco Pair ERV without wire, and control them according to the detected data to ensure air quality at any time. The operation functions can be designed according to the preference of users.



AUTOMATIC MODE

Adjustment of the fan speec to the aimed humidity level.



BOOST MODE

Activating the device and run at full fan speed when CO2/TVOC/HCHO/PM2.5 PM10/C6H6 exceed setting value.



SURVEILLANCE MODE

Activating the device when an increase of humidity is detected

ECO PAIR ERV, EASIER ACCESS TO HEALTHY BREATH

Guangzhou Airwoods Environment Technology Co., Ltd.