



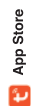
# SINGLE ROOM HEAT RECOVERY VENTILATOR SERIES

 SHENZHEN CHIC TECHNOLOGY CO., LTD.

 AIRFLOW UP TO 60M<sup>3</sup>/H

 ENERGY SAVING

 WIFI AND REMOTE CONTROL



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## Heat Recovery Ventilator Series

Picture					
Model	VT501-MS	VT501-WF	VT501	VT125-WF	VT125
Remote	no	yes	yes	yes	yes
WIFI	yes	yes	no	yes	no
Duct diameter	150mm	150mm	150mm	125mm	125mm
Airflow (Max)	60m³/h	60m³/h	60m³/h	60m³/h	60m³/h
Power (Max)	7W	7W	7w	9.5W	9.5W
Filter	Round G3 filter+ceramic core+Square G4 filter			Round G3 filter+ceramic core+round G3 filter	
Auto Shutter	no	no	no	yes	yes
Sync work	yes	no	no	no	no
Temperature & Humidity sensor	yes	yes	yes	yes	yes



## SINGLE ROOM HEAT RECOVERY VENTILATOR







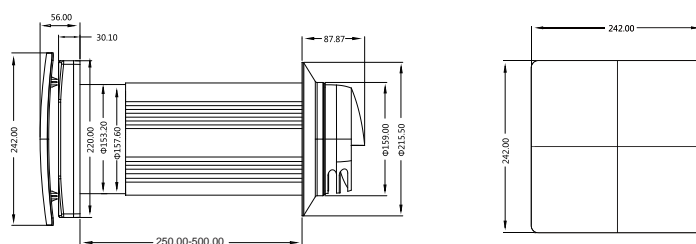
## VT501 Series

### SINGLE ROOM HEAT RECOVERY VENTILATOR

### TECHNICAL SPECIFICATIONS

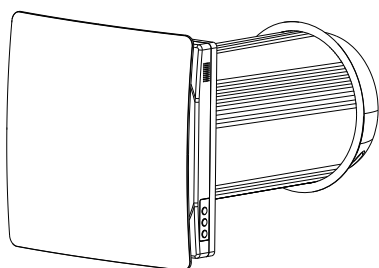
Ventilation Rates	28/32/35 CFM
Heat Recovery Efficiency	up to 90%
Humidity Recovery	20-30%
Specific Fan Efficiency	0.06-0.17 W/cfm
Ventilation System Efficiency	0.10 Wh/m <sup>3</sup>
Filter	G3 or optional HEPA
Sound Levels	20.0 dB/ 24.0 dB /30.0 dB

### DIMENSIONS (mm)



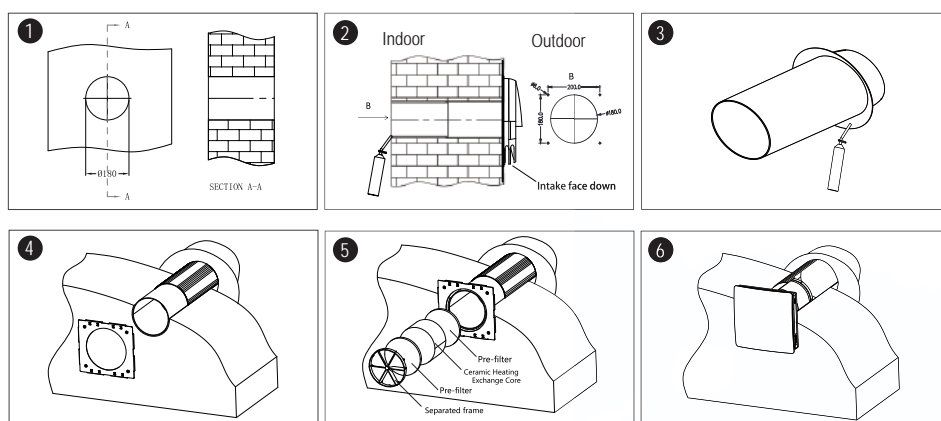
Diameter Unit	150 mm
Exterior Tube Diameter	163 mm
Wall Thickness	standard : 250 mm-450mm
Installation Tube (can be cut)	250 mm to 450 mm
Inside Cover	242 mm x 242 mm

- Supply clean fresh air to the premises
- Low energy demand
- Prevent penetration of excessive humidity and appearance of mould
- Low noise level
- Clean intake air from dust, insects, exhaust fumes
- Recover heat and provide indoor humidity balance



- Supply air or suck bad air out.
- Heat recovery, low power consumption.
- EC energy saving motor, 3 modes operation.
- Remove damp and odour from home.
- Low noise operating, enjoy great sleeping.

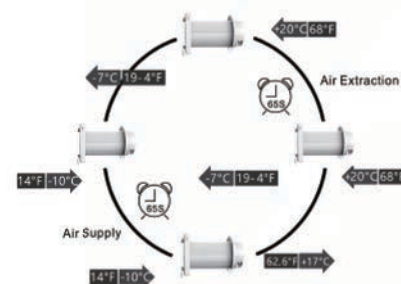
### VENTILATOR MOUNTING



### Working Principle

The basic unit is a through wall fan, with a ceramic regenerative heat exchanger behind it. These fans provide continuous ventilation without the need for duct-work and are installed directly in the exterior wall.

The fan's heat recovery is possible thanks to a ceramic core that is charged in a 65 seconds cycle. To learn about how VT501 heat recovery works, watch our short video introduction to the VT501 Recuperator.



# VENTILATOR DESIGN



Magnetic Front Panel

EC Fan

Mounting Plate

Rubber Ring

Retractable Ducting

Filters

Ensure air filtration and prevent ingress of dust and foreign objects into the regenerator and the fan

Ceramic Exchange Core  
Honeycomb structure for high thermal efficiency  
Ensure high and efficient energy exchange,  
reduce energy loss.

G4 Filter

# VT125 SERIES



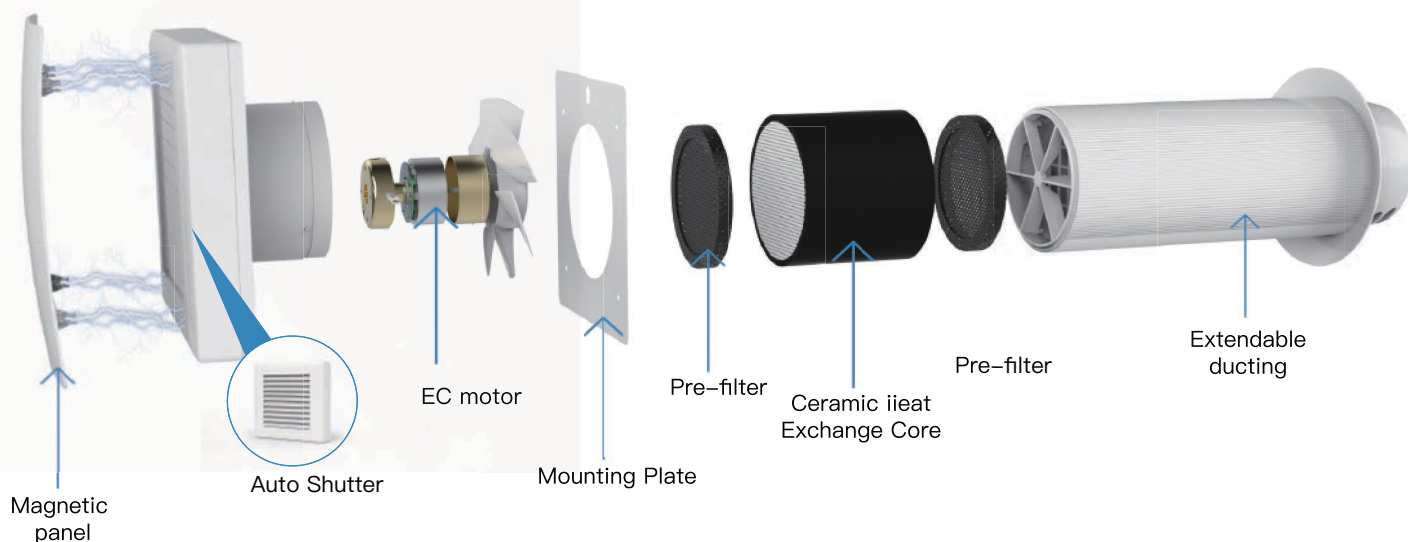
## Introduction

VT125 HRV is designed for individual control of ventilation in each room or zone, providing flexibility in adjusting ventilation rates, reduces unnecessary energy consumption, ductwork complexity and improves indoor air quality.

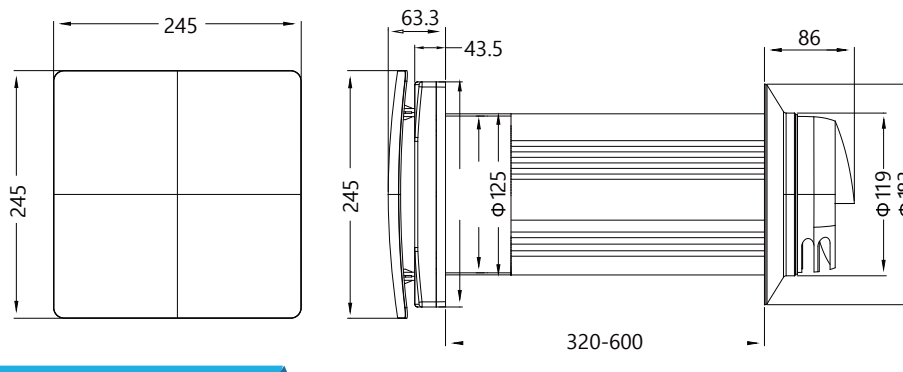
### More advantages of product:

1. Supply fresh air to the premises.
2. Prevent penetration of excessive humidity and appearance of mould.
3. Clean intake air from dust, insects, exhaust fumes.
4. Recover heating or cooling air
5. Low energy demand made of EC motor
6. Intergrated humidity and temperature sensors
7. Low noise level.
8. Convenient control via remote and WIFI
9. Easy maintenance

## STRUCTURE



## OVERALL DIMENSIONS (mm)



## TECHNICAL DATA

Speed	Sleep	I	II	III
Voltage	100 ~ 240V 50/60Hz			
Max Power	12W			
Ventilator Total Power (W)	5.5	5.8	7.3	9.5
Max. Ventilator Current (A)	0.018	0.035	0.051	0.06
Max. Air Capacity m <sup>3</sup> /h	20	30	45	60
RPM [min]	995	1475	2085	2535
Max. Transported Air Temperature	-20°C(-4°F)to+50°C(122°F)			
Heat Exchange Efficiency	up to 90%			
Heat Exchanger core	Ceramic			

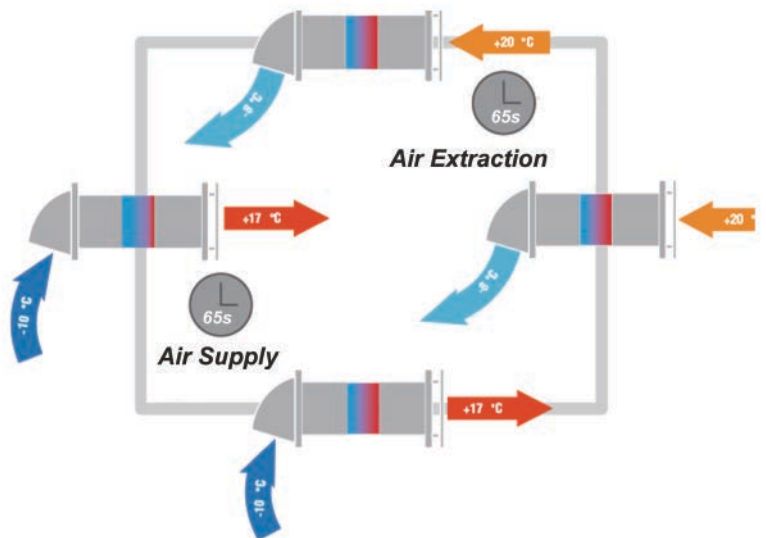
## OPERATING MODES

- Fresh Air Mode the ventilator supplies fresh air
- Exhaust Mode the ventilator operates in exhaust mode
- Cycle Mode the ventilator operates in reversible mode with heat and humidity recovery.

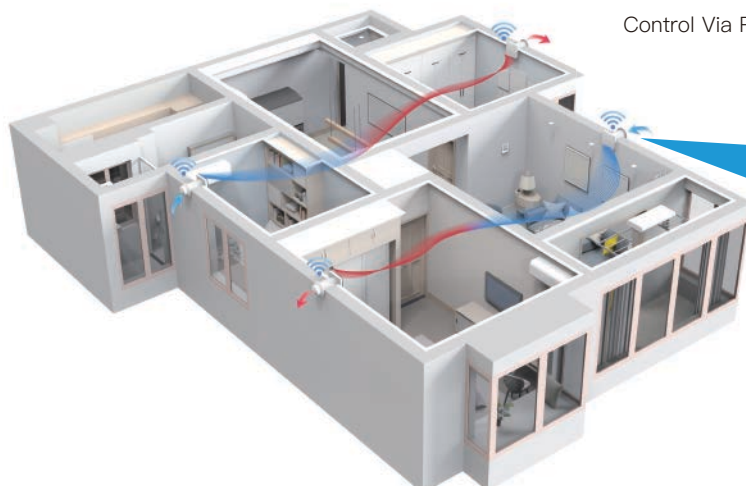
In cycle mode the ventilator operates in two cycles, 65 seconds each.

**Cycle I :** Warm stale air is extracted from the room. As it flows through the heat exchanger, it heats and moisturizes the exchanger, transferring up to 90%. In 65 seconds as the ceramic exchanger gets warmed the ventilator is switched to supply mode.

**Cycle II:** Fresh intake air from outside flows through the ceramic exchanger and absorbs moisture and heats up to the room temperature. In 65 seconds as the ceramic regenerator gets cooled down, the ventilator is switched into extract mode and the cycle is renewed.



## USAGE SCENARIO



Control Via Remote And WIFI





# FUNCTIONAL AND RELIABLE



## THREE WORKING MODE



### INTAKE MODE

Bringing fresh air into  
the room



### EXHAUST MODE

Elimination of indoor  
exhaust gases



### REGENERATION MODE

Air intake and exhaust  
circulation per 65S



Warm damp stale air is extracted from a premise, simultaneously heating up and moisturising the regenerator.

Filter prevents ingress of contaminants into the regenerator.

WARM AIR

In 65 s the ventilator automatically switches to air exhaust mode.

COLD AIR

Fresh intake air from outside flows through the ceramic exchanger and absorbs moisture and heats up to the room temperature. In 65 seconds as the ceramic regenerator gets cooledown, the ventilator is switched into extract mode and the cycle is renewed





# EFFECTIVE VENTILATION FOR VARIOUS TYPES OF PREMISES

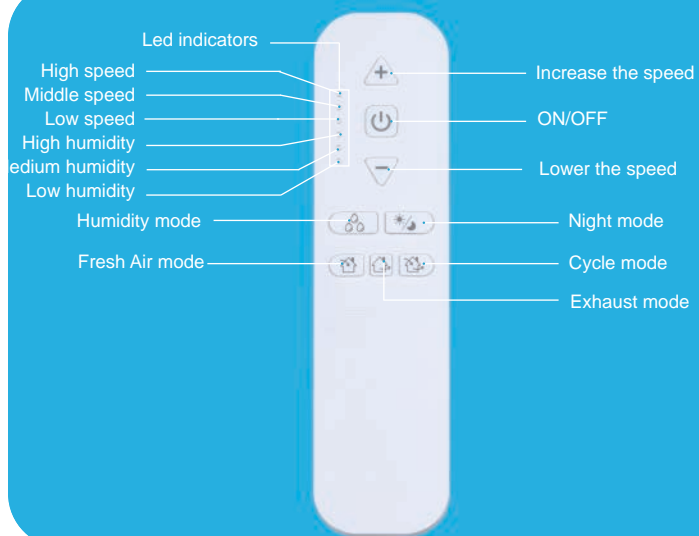


KCVENTS heat recovery ventilator series recuperators provide continuous ventilation without the need for ductwork - installed directly in the exterior wall. The heat exchanger core is Changed every 65 seconds after which the fan reverses and the incoming air absorbs the stored heat on its way in. Creates a very quiet heat recovery ventilation system without the need for ducts and balancing, with specific fan efficiency.





# EASY CONTROL!



Simple and convenient control via wireless remote, manual button

# SMART CONTROLLER, SYNC CONTROL MULTI-DEVICES



Multiple ventilators working in sync, higher heat recovery efficiency.

Wifi connection, all functions is in your smartphone.

Timer ON/OFF, Fresh Air Ventilation Timer:  
Breathe on Schedule every day

Each ventilation unit can be configured as  
a master, or operating independently



Download Tuya Smart app

You can download the Tuya Smart app by searching  
for Tuya Smart in your app store or by scanning  
the following QR code.



# REMOTE CONTROL APP

After connection done with WIFI, you can remotely control the device without being on necessity of same network, to ensure that you will experience a comfortable air environment at any time anywhere.



when you are away on business, you can turn on the device through the app in advance and enjoy fresh air when you get home.



# OPTIONAL ACCESSORIES

G3 filter



H13 HEPA filter



G4 filter

(only for VT501 Series)



Carbon filter



F7 filter

(only for VT501 Series)



CO2 detector



H12 HEPA filter



Stainless steel  
air vent



Extended pipe



# QUIET AND COMFORTABLE WITH LOW NOISE



20dB



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KC-VT501 WIFI-EN / 2023



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