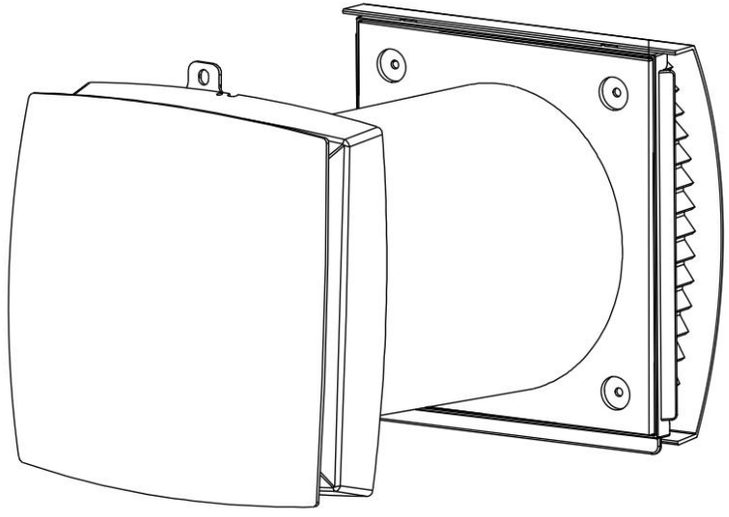
AIREASY

Fresh air exchange unit with Heat Recovery
for SINGLE ROOM

USER AND INSTALLATION MANUAL



Read the instructions carefully before operating the appliance or carrying out maintenance work. Observe all the safety instructions; failure to do so may lead to accidents and/or damage. Store these instructions in a safe place for future reference.

V 05/25

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SAFTY REQUIREMENTS

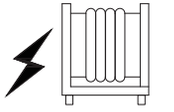
- Read the user's manual carefully before the operation and installation of the heat recovery ventilator AV-TTW6
- Installation and operation of the ventilator shall be performed in accordance with the present user's manual as well as the provisions of all the applicable local and national construction, electrical and technical codes and standards.
- The warnings contained in the present user's manual must be considered seriously since they contain vital personal safety information.
- Failure to follow the safety regulations may result in an injury or ventilator damage.
- Read the manual carefully and keep it as long as you use the ventilator.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- That the fan is to be installed so that the blades are more than 2.1 m above the floor (for fans intended to be mounted at high level);
- That precautions must be taken to avoid the back-flow of gases into the room from the open flue of gas or other fuel-burning appliances (for duct and partition fans).
- Exhaust fans may adversely affect the safe operation of appliances burning gas or other fuels (including those in other rooms) due to back flow of combustion gases. These gases can potentially result in carbon monoxide poisoning. After installation of an exhaust fan such as a partition fan or a duct fan the operation of open flued gas appliances should be tested by a competent person to ensure that back flow of combustion gases does not occur.
- Non-rechargeable batteries are not to be recharged
- Batteries are to be inserted with the correct polarity
- Exhausted batteries are to be removed from the appliance and safely disposed of
- If the appliance is to be stored unused for a long period, the batteries should be removed
- The supply terminals are not to be short-circuited

User and Installation Manual

Symbol Used In The Manual:

	**WARNING!**
	**DO NOT!**

Ventilator Installation Safety Precautions

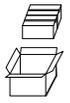
	The ventilator must be disconnected from the power supply prior to the installation or repair operation.
	The ventilator must not be operated outside the temperature range stated in the user's manual or in aggressive or explosive environment.
	Do not position any heating devices or other equipment in close proximity to the ventilator power cord.



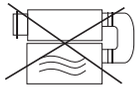
Do not use damaged equipment or conductors to connect the ventilator to power.



While installing the ventilator, follow the safety regulations specific to the use of electric tools.



Unpack the ventilator with care.



Use the ventilator only as intended by the manufacturer.

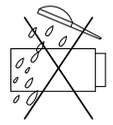
Ventilator Installation Safety Precautions



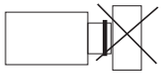
Do not touch the controller or the remote control with wet hands. Do not carry out the ventilator maintenance with wet hands.



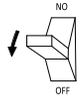
Do not let children operate the ventilator.



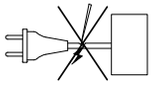
Do not wash the ventilator with water. Protect the ventilator electric parts from water ingress.



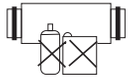
Do not block the air duct when the ventilator is on.



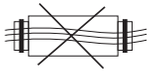
Disconnect the ventilator from power supply before maintenance.



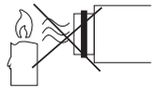
Do not damage the power cable while operating the ventilator. Do not put any objects on the power cable.



Keep explosive and inflammable products away from the ventilator.



Do not open the operating ventilator.



Do not let air flow from the ventilator be directed to the open flame devices or candles.

User and Installation Manual

INTRODUCTION

This user's manual includes technical description operation, installation and mounting guidelines, technical data for the heat recovery ventilator AV-TTW6.

USE

- The ventilator is designed to arrange permanent controllable air exchange in apartments, villas, hotels, cafes and other domestic and public buildings. The ventilator is equipped with a ceramic heat exchanger that enables supply of fresh air and extract air with heat energy recovery.
- The ventilator is designed for through-the-wall mounting. The telescopic ventilator design enables its installation in the walls from 230 mm to 420mm thickness for the ventilator AV-TTW6.
- The ventilator is rated for continuous operation always connected to power mains.
- Transported air must not contain any flammable or explosive mixtures, evaporation of chemicals, coarse dust, soot and oil particles, sticky substances, fibrous materials, pathogens or any other harmful substances.



Installation And Connection Operations Must Be Performed Only By Properly Qualified Personnel After The Appropriate Safety Briefing.

The Ventilator Installation Sites Must Prevent Access By Unattended Children.

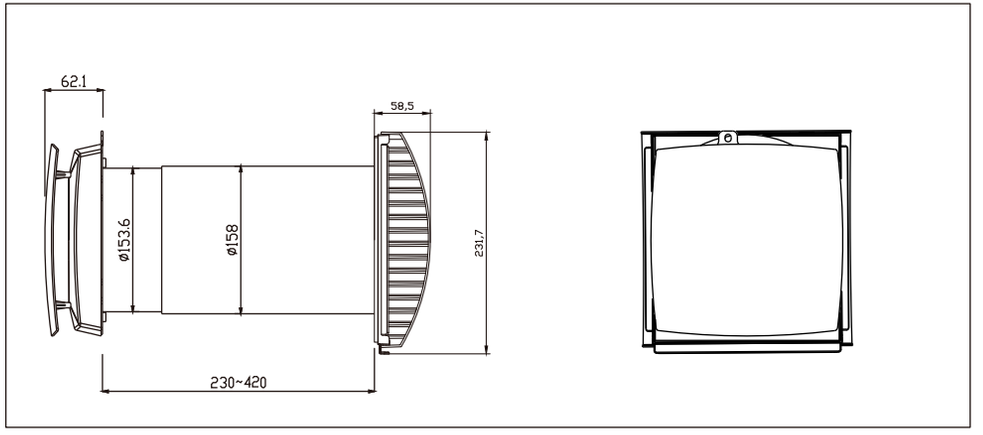
PACKING LIST

Ventilator	1
Accessories bag	1
Remote controller	1
User's manual	1
Packing box	1

MAIN TECHNICAL PARAMETERS

- The ventilator is designed for indoor application with the ambient temperature ranging from -20°C to +50°C and relative humidity below 80%.
- The ventilator is classified as a class I electric appliance.
- Ingress Protection (IP) rating from solid objects and liquids IPX2.
- The ventilator design is regularly improved, so some models may slightly differ from those ones described in this manual.

VENTILATOR OVERALL DIMENSIONS (MM)



User and Installation Manual

Voltage	100-240 V
Frequency	50/60 Hz
Input Power	11.3 W
Current	0.06 A
RPM	2000 (max)
Airflow (L/M/H)	26/55/64 m^3h
Noise	31.9 dB(A)
Regeneration Efficiency	up to 97%
Ingress Protection Rating	IPX2
Air Duct	159 mm
SEC	Class A
Mounting	Wall Mounting
Net Weight	3.4kg

DESIGN AND OPERATION

The ventilator consists of the telescopic air duct with adjustable length regulated by position of the inner air duct inside the outer air duct, the ventilation unit and the ventilation hood.

Two filters and the ceramic core are located inside the inner duct. The filters are designed to purify supply air and prevent foreign object ingress to the heat exchanger and the fan.

The ceramic heat exchanger extracts energy from exhaust air to warm up or cool down supply

air.

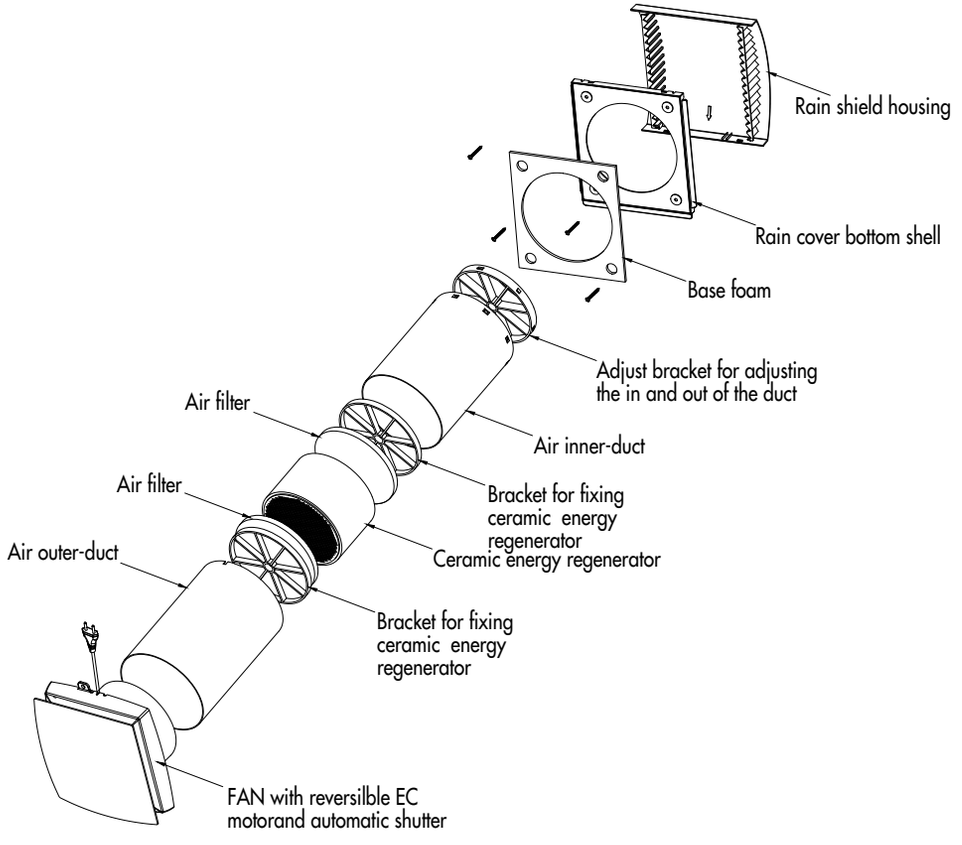
The heat exchanger is equipped with a pull cord inside to facilitate its withdrawal from the ventilator. The heat exchanger is installed on an insulation material which used as a sealant as well.

The fan must be installed on inner side of the wall.

The ventilation hood must be installed on outer side of the wall to prevent ingress of water and other objects to the ventilator.

User and Installation Manual

INSTALLATION DRAWING



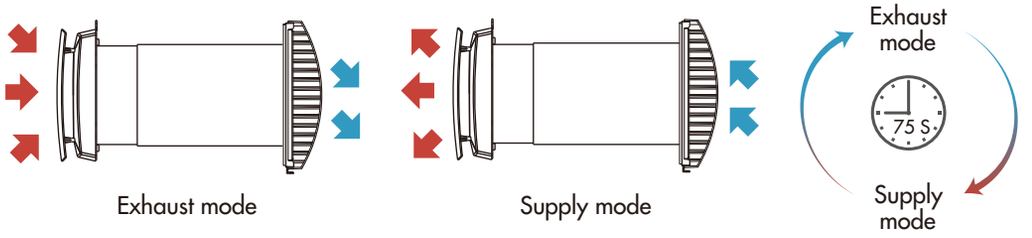
OPERATION MODES

Ventilation Mode. The ventilator runs in the air extract or air supply mode with a set speed. In case of synchronous operation of two connected ventilators one unit operates in the supply mode and the other one in the extract mode.

Regeneration Mode. The ventilator runs in two cycles, 75 seconds of each, to provide heat and moisture regeneration.

Interval 1 The warm polluted air is extracted from the room and goes through the ceramic regenerator, which gradually absorbs heat and moisture. After 75 seconds the ventilator switch to supply air mode.

Interval 2 The fresh and cold outdoor air goes through the heat regenerator and absorbs the accumulated moisture and heat after 75 seconds, when the energy regenerator gets cold, the ventilator switches to the air extract mode.



INSTALLATION AND SET-UP

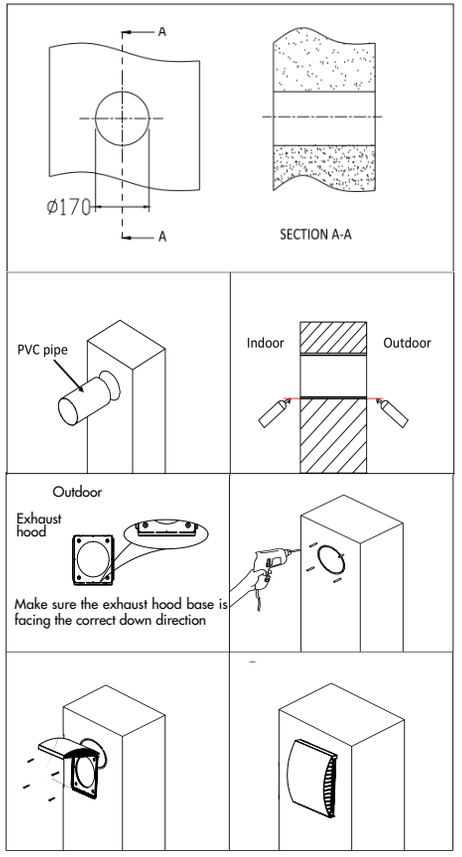
CAUTION!

Read The User's Manual Before Installation The Ventilator

The ventilator must not be installed in sites where the ar duct may be clogged by the blinds, curtains, drapes, etc, to prevent the room dust deposition and accumulation, also, curtains might obstruct normal airfl ow in the room, thus rendering ventilator operation not efficie nt.

User and Installation Manual

VENTILATOR INSTALLATION



1. Prepare a round hole through the inner wall. The hole size is shown below.

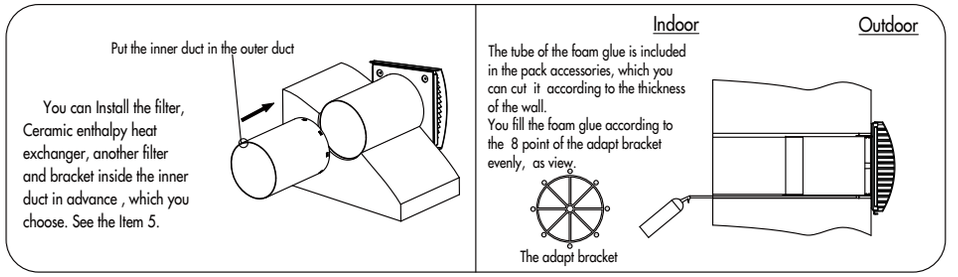
1) Insert the PVC pipe into the wall hole and adjust the pipe length according to the wall thickness.
2) Use PU foam to fill the gap between the PVC pipe and the wall.

3) Take out the exhuast hood and disassemble it into the base and the cover, align the base of the rain cover with the wall hole (pay attention on the installation direction of the base as shown in Figure 3), and then mark the 4 punching positions.
4) Punch holes according to the punching positions.
5) Use plastic particles and screws to fix the base
6) Align the buckle in the cover with the slot of the base to tighten it (pay attention that there is an arrow mark in the cover,when the base and the cover are matched, the arrow should face downwards.)

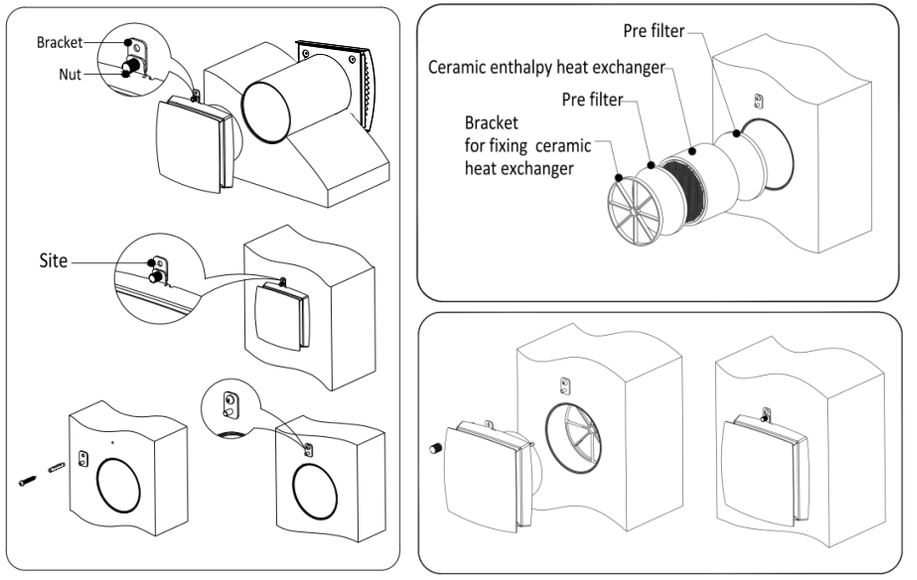
CONNECTION TO POWER

Disconnect The VentilationFrom Power Mains To Any Electric Installation Operations.

The ventilator is rated for connection tosingle-phase AC100-240 V/50-60 Hz powermains.Connect the ventilator to the socketdirectly.



3.Fill the gap between the walland duct with PU foam (Using waterproofsealing glue for the gap close to indoor toagainst rainwater).The inner duct shouldparallel with indoor wall surface.



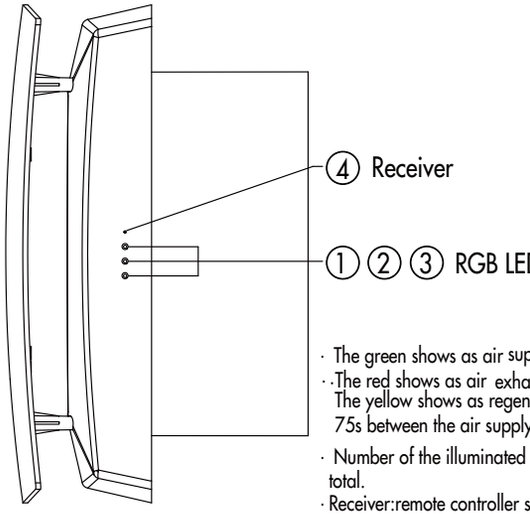
4.Put the fan on the surface wall as thelocation, which the bracket and the nutare installed on the fan in advance ,thatthe duct of the fan must be into the innerduct. Marking the drilling hole site.Afterput the fan out Drilling 1*6mm hole onthe marking place and put in the rubber plug(as pack accessories).Install theretaining bracket with a screw(as packaccessories)

5.Install the flter, ceramic enthalpy heatexchanger, another flter and bracket insidethe inner duct. In this item , carry out thestep in advance in the item 3, which youhave put the fittings in the inner duct.

6.Install the fan on the surface wall.The fan isfxed with nut.

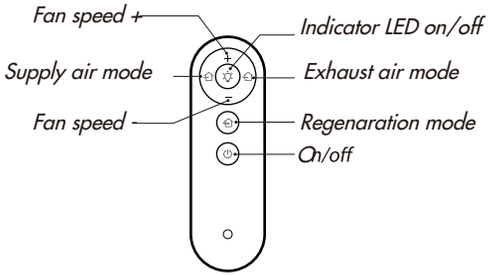
User and Installation Manual

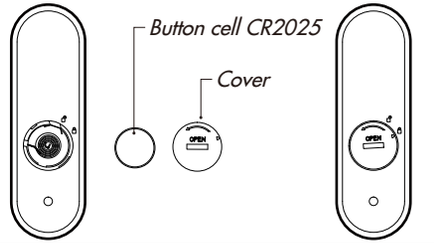
FUNCTION DESCRIPTION



· The green shows as air supply.
· The red shows as air exhaust.
The yellow shows as regeneration mode, which is changed 75s between the air supply and the air exhaust.
· Number of the illuminated LED means the fan speed, 3 speeds in total.
· Receiver:remote controller signal receiver

REMOTE CONTROLLER





Please put in the button cell (prepared by user) before using the controller

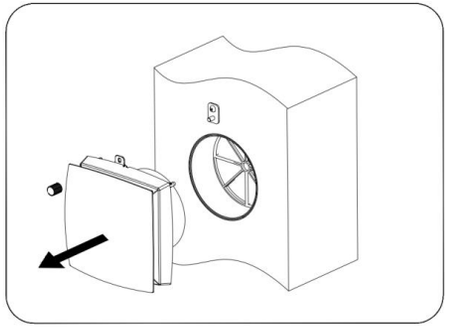
- After putting in the battery, turn the battery cover clockwise as shown in the figure, until the triangular arrow on the cover indicates the locking pattern, that it's locked.
- To remove the battery, unscrew the battery cover counterclockwise as shown in the fig ure, until the triangular arrow on the cover indicates the unlock pattern, that it's released, and the battery can be taken out.
- Please take good care of the remote control to prevent children from swallowing batteries and causing accidents.

MAINTENANCE

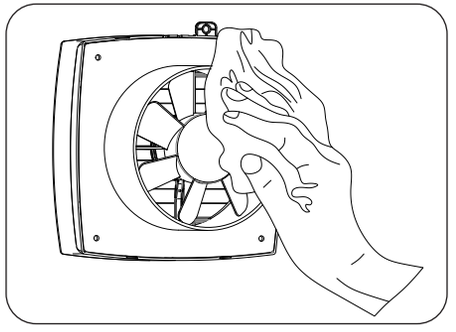
Disconnect The Ventilator From Power Supply Prior To Any Maintenance Operations.

Maintenance of the ventilator means regular cleaning of the ventilator surfaces of dust and cleaning or replacement of the filters.

1. Fan maintenance (once per year).

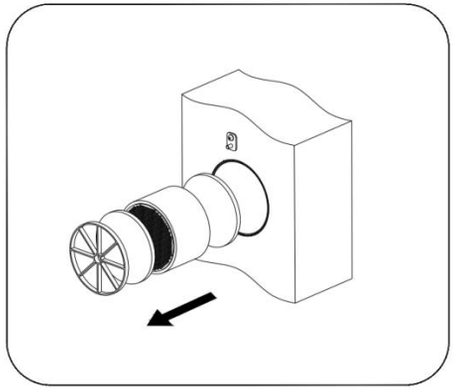


Loose the nut and pull the ventilator to remove.



Clean the impeller blades. Use a soft brush, doth or a vacuum cleaner to clean the impeller. Do not use water abrasive detergents, solvents, sharp objects. The impeller blades must be cleaned once in year.

2. Regenerator and filter maintenance (4 times per year).



Remove the air flow rectifier and the filter in front of the regenerator.

Pull the exchanger cord to remove heat exchanger from the air duct.

Be careful while pulling the Exchanger to avoid damage.

Remove the filter after the exchanger.

User and Installation Manual

Clean the filter as often as it gets dirty, but at least 3-4 times a year. Clean the filters, let them get dry and install the dry filters inside the air duct Vacuum cleaning is allowed. The filter rated service life is 3 years. Contact the Seller for spare filters.

Even regular technical maintenance may not completely prevent dirt accumulation on the regenerator assemblies.

Subject the exchanger to regular cleaning to ensure high heat exchange efficiency.

Clean the exchanger with a vacuum cleaner at least once in a year.

STORAGE AND TRANSPORTATION RULES

Store the ventilator in the manufacturers original packing box in a dry place.

Storage environment must not contain aggressive vapours and chemical mixtures provoking corrosion, insulation and sealing deformation .Use hoist machinery for handling and storage operations to prevent the ventilator damage in consequence of failing or excessive oscillation. Fulfil the handling requirements applicable for the applicable freight type.

Transportation with any vehicle type is allowed provided that the ventilator is protected against mechanical and weather damage.

Avoid any mechanical shocks and strokes during handling operations.

TROUBLESHOOTING

Possible faults and troubleshooting

Fault	Possible reasons	Fault handling
The fan does not Start up during the ventilator start-up.	No power supply.	Make sure that the ventilator properly connected to the power and make any corrections, if necessary.
	Motor is jammed, the impellers are clogged.	Turn the ventilator off. Troubleshoot the motor jam and the impeller dogging. Clean the blades. Restart the ventilator.
Low air flow.	Low setting fan speed.	Set higher speed.
	The filter, the fan or the exchanger are dirty.	Clean or replace the filter, clean the fan and the exchanger. For the exchanger and the filter maintenance, refer to page 14.
Noise, vibration.	The impeller is dirty.	Clean the impeller.
	Loose screw Connection of the ventilator casing or the ventilation hood.	Tighten the screws of the ventilator or the outer ventilation hood.



INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH THE EUROPEAN DIRECTIVE 2012/19/EU

At the end of its working life this equipment must not be disposed of as an household waste. It must be taken to special local community waste collection centres or to a dealer providing this service. Disposing of electrical and electronic equipment separately avoids possible negative effects on the environment and human health deriving from an inappropriate disposal and enables its components to be recovered and recycled to obtain significant savings in energy and resources. In order to underline the duty to dispose of this equipment separately, the product is marked with a crossed-out dustbin.



INFORMATION FOR THE CORRECT DISPOSAL OF BATTERIES IN ACCORDANCE WITH EUROPEAN REGULATION 2023/1542

Replace batteries when they are depleted. At the end of their life, batteries must be disposed of separately from unsorted waste. They must be taken to designated recycling centres or returned to a retailer providing this service. Separate disposal of batteries prevents potential negative effects on the environment and human health due to inadequate disposal, and also allows for recovering and recycling their constituent materials, resulting in significant savings in terms of energy and resources. The separate disposal obligation is underlined by the crossed-out dustbin symbol appearing on the battery. Illegal disposal of the product by the user implies administrative sanctions applied as per current regulations.

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Argoclima assumes no responsibility for any errors or inaccuracies in the content of this manual and reserves the right to make to this, at any time and without notice, any changes deemed appropriate for any technical or commercial need.