

ERVR Series

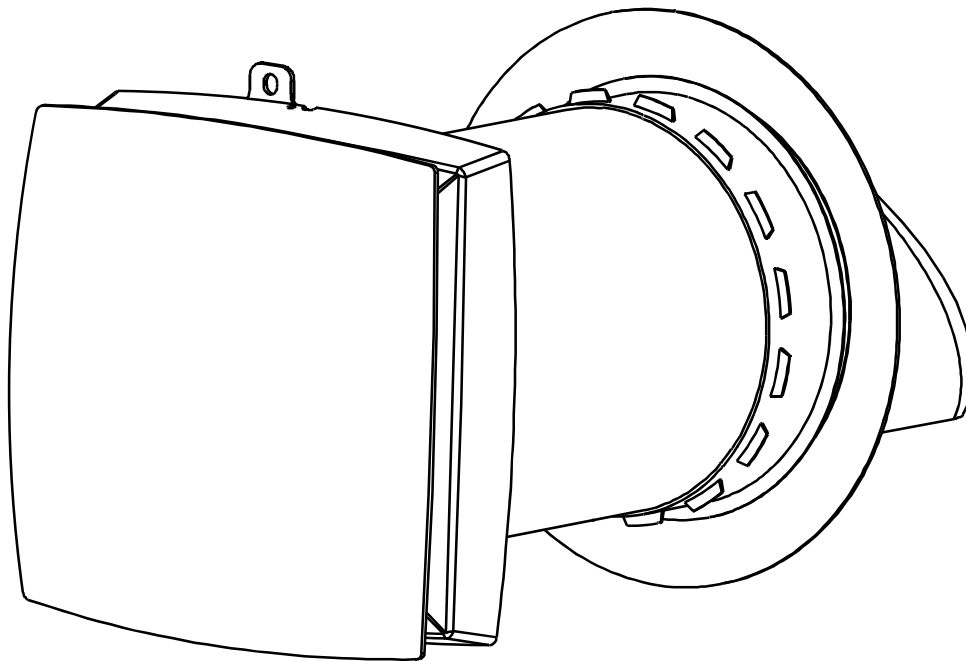
Mini-Split Energy Recovery Ventilator

Service Manual



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1. Safety Precautions


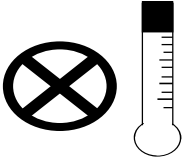
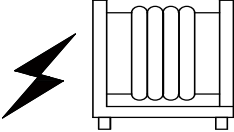
SAFTY REQUIREMENTS

- Read the user's manual carefully before the operation and installation of the heat recovery ventilator AA-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.
- While transferring the ventilator control the user's manual must be turned over to the receiving operator.


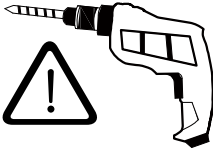
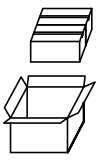
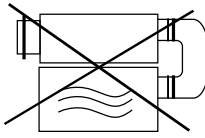
SYMBOL LEGEND USED IN THE MANUAL:

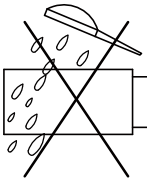
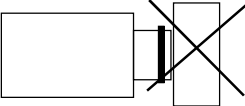
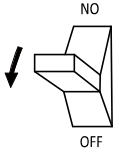
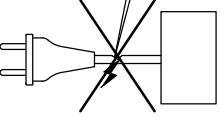
	WARNING!
	DO NOT!

VENTILATOR MOUNTING SAFETY PRECAUTIONS


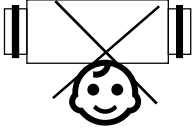
	The ventilator must be disconnected from the power supply prior to every installation or repair operation.
	The ventilator must not be operated outside the temperature range stated in the user's manual or in aggressive or explosive environments.
	Do not position any heating devices or other equipment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

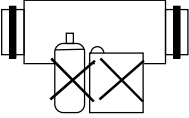
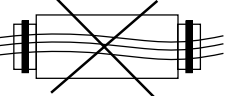
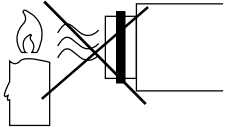
1. Safety Precautions

	<p>Do not use damaged equipment or conductors to connect the ventilator to power mains.</p>
	<p>While installing the ventilator follow the safety regulations specific to the use of electric tools.</p>
	<p>Unpack the ventilator with care.</p>
	<p>Use the ventilator only as intended by the manufacturer.</p>

	<p>Do not wash the ventilator with water. Protect the ventilator electric parts from water ingress.</p>
	<p>Do not block the air duct when the ventilator is on.</p>
	<p>Disconnect the ventilator from power supply before maintenance.</p>
	<p>Do not damage the power cable while operating the ventilator. Do not put any objects on the power cable.</p>

VENTILATOR MOUNTING SAFETY PRECAUTIONS

	<p>Do not touch the controller or the remote control with wet hands. Do not carry out the ventilator maintenance with wet hands.</p>
	<p>Do not let children operate the ventilator.</p>

	<p>Keep explosive and inflammable products away of the ventilator.</p>
	<p>Do not open the operating ventilator.</p>
	<p>Do not let air flow from the ventilator be directed to the open flame devices or candles.</p>

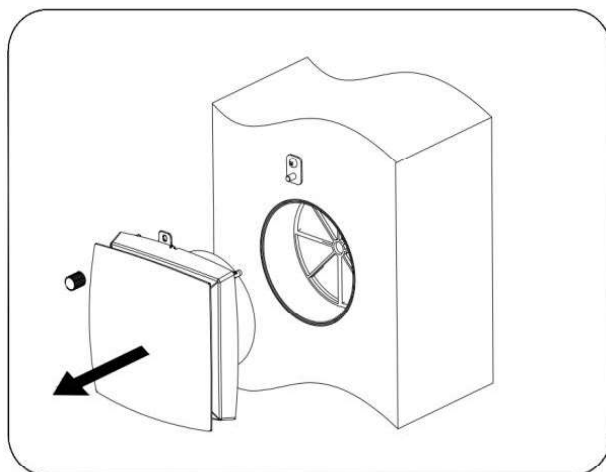
2. MAINTENANCE



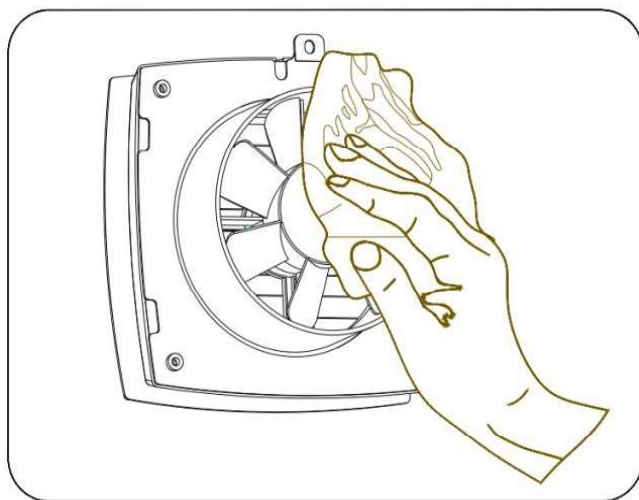
DISCONNECT THE VENTILATOR FROM POWER SUPPLY PRIOR TO ANY MAINTENANCE OPERATIONS.

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).

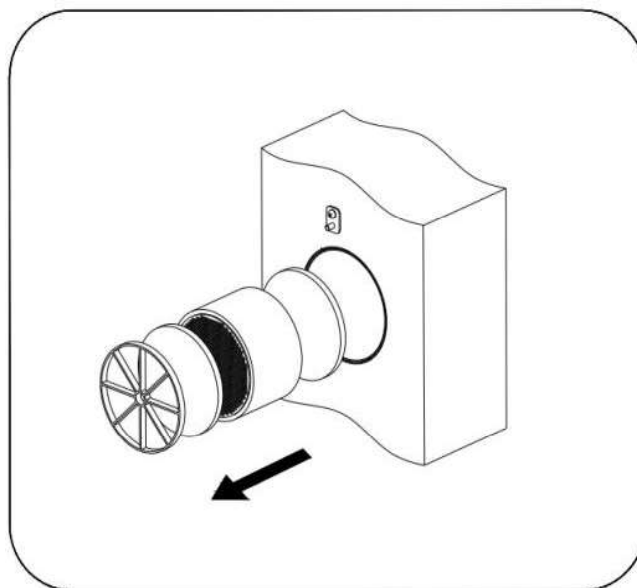


Loose the nut and pull the ventilator to remove.



Clean the impeller blades. To remove dust use a soft brush, doth or a vacuum cleaner. 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 Remove the filter in front of the regenerator.

Pull the exchanger cord to remove from the air duct.

Be careful while pulling the Exchanger to avoid damage.

Remove the filter after the exchanger.



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.

To reset the operating time meter indication, install the filters and the regenerator into the ventilator and then press and hold the button for 10 sec until a long sound signal.

3. STORAGE AND TRANSPORTATION RULES

Store the ventilator In the manufacturers original packing box in a dry

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.

4.TROUBLESHOOTING

Possible faults and troubleshooting

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



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