

# AireGard® VENTILATOR AE-120

Life. Refreshed.

Dear customers,  
Thank you for selecting the AireGard Ventilator AE-120.  
Please read through all the instructions before proceeding to installation.

**IMPORTANT:**

The AireGard Ventilator must be installed in accordance to the local council regulation. The Ventilator unit is fitted with a cord and a plug. If you require any modification, please get assistance from a qualified Electrician. Additional cables are not included in the box. If there is a need for additional cable, the cable have to be at least rated at 10amp.

**WARNING**

1. Only install the AireGard ventilator as recommended in the user manual. Any other installation method not mentioned in the user manual may be harmful.  
If you require assistance, kindly contact us at our toll free number 1300-88-4273.
2. All installation must be conducted by a qualified technician. Please ensure the installation of the louvers/exhaust fans are in accordance with the local council regulations.
3. Ensure the main power is turned off before proceeding with installation.
4. Upon coring into the wall, kindly avoid damaging nearby cables.
5. Ensure that the unit is properly grounded.
6. To avoid any complications, please ensure that the ventilator's duct is not placed in direct contact with volatile gas tubes (if present).
7. The unit must be isolated from the power by means of a plug or all-pole disconnection switch with a contact separation of at least 3mm in each pole.
8. The power cable have to withstand a minimum of 10amp.
9. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
10. Precautions must be taken to avoid back flow of gases into the room via the ventilator's duct.
11. **WARNING:** If any abnormality is observed when the ventilator is in use, immediately turn off the unit and contact the manufacturer .
12. The brackets used to hold the ventilator unit must be able to withstand at least 4 times the weight of the unit.
13. Mounting of the brackets must be installed by a qualified technician.
14. Net weight of the ventilator: 2.4kgs
15. Replacement of any parts shall be performed by the manufacturer or a qualified technician.

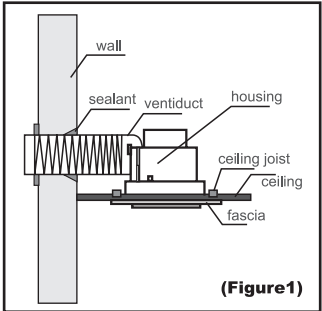
**IMPORTANT CONSIDERATIONS BEFORE INSTALLING**

Plan ahead the installation to avoid any complications on the ventilator.

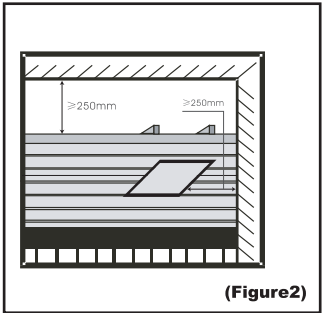
1. The ventilator shall not be mounted in the shower to avoid direct contact with water.
2. In order for the ventilator to work efficiently, the extraction of air should have similar replacement of air entering the room. An airtight room will cause the ventilator to perform poorly.
3. The ventilator should only be installed flat into the ceiling only.
4. Before coring into the wall, ensure that the intended hole opening does not intersect with any vital structure. Ensure there is enough height clearance in the ceiling. Ensure that the electrical wiring is able to be routed from the intended switch area to the ventilator unit.

**INSTALLATION**

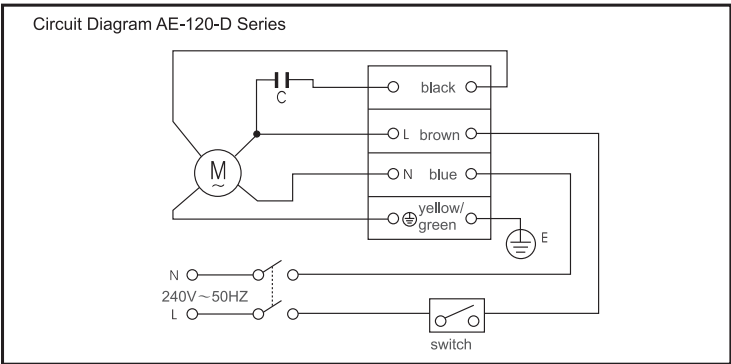
1. Cutting a vent(when required)  
Once the location of the external louver is decided, kindly cut out a hole opening with the diameter of 105mm.
2. Ducting  
Use a 100mm diameter duct and insert it into the vent hole. Seal any empty spaces around the hole using a suitable sealant. (Figure 1)
3. Locating the unit  
For the ventilator to operate effectively, ensure that the height of the floor to the ceiling is at least 2.3 meter.
4. Prepare the ceiling  
Using a pencil, make markings on the ceiling as a guide, and cut out a hole based on the markings.  
Ensure that there is a gap of 250mm between the unit to the nearest wall. As for the ceiling, ensure that there is at least 250 mm height clearance from ceiling to rooftop. (Figure 2)
5. Remove the panel  
Pull the panel firmly, press the fastening springs and remove the panel.
6. Wiring (Ensure the power is turned off)  
Before any wiring works, ensure the power supply is turned off. (Figure 3)



(Figure1)

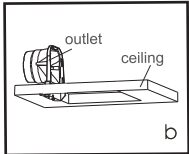
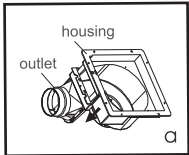


(Figure2)



(Figure3)

7. Position the housing into the hole  
Remove the panel from the ventilator unit and insert the unit into the hole opening. Then reinstall the panel onto the ventilator unit.  
Ensure that the panel and ventilator unit are properly secured. (Figure 4)



(Figure4)

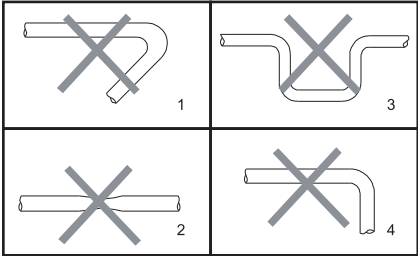
**Note:** Ensure that there is no redundant wires interfering with the ventilator unit.

**Note:** For the best performance of the ventilator unit, ensure that the duct is placed as straight as possible. (Figure 5)

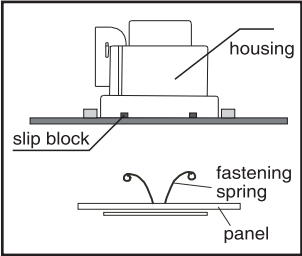
**Note:** Assure the 4 slip blocks are drawn back so the unit can be easily pushed into the hole in the ceiling.



VENTILATOR AE-120



(Figure5)



(Figure6)

**Note:** To maintain a clean look, ensure the cable are properly hidden.

8. Secure the unit on the ceiling  
To properly secured the unit, tighten the screws until the unit is firmly installed into the ceiling. (Figure 6)
9. Reinstalling the Panel.  
To reinstall the panel, insert the two springs back into slots.

USE

1. Use the switch to turn on or turn off the unit.
2. The ventilator may be used to extract unpleasant odors and moisture efficiently.

**Note:** If any abnormality is observed when the ventilator is in use, immediately turn off the unit and contact the provider.

**WARNING:** Avoid inserting fingers into the unit to prevent injuries or damaging the unit.

**WARNING:** Avoid installing the unit where there is a risk of exposure to water.

MAINTENANCE

1. Ensure the power is turned off before any maintenance or repair.
2. Wipe the panel with damp microfiber cloth to avoid scratching the panel.
3. Ensure the panel is dry before installing it back.

WARRANTY

AireGard provides a 1 year warranty(not applicable for projects), covering any manufacturing defects. However the warranty does not extend to any damage caused during installation or wiring.

It is recommended that the installation is done by a qualified technician.

For warranty claims, a receipt have to be presented prior to the service or repair.

Ensure that the original receipt or invoice is being kept for warranty claims.

**This warranty does not cover damages caused by:**

- 1) Any damage caused during installation or maintenance
- 2) Any damage caused as a result of incorrect wiring
- 3) Any modification or changes made to the unit, other than those approved by the manufacturer or supplier.

MAIN TECHNICAL PARAMETERS

Model No.	Input	Power	Noise	Air Volume	Hole-cutting Size
AE-120-D1	240V/50Hz	≤30W	43dB	120 CFM	245mm×245mm
AE-120-D2					

LIST OF COMPONENTS SUPPLIED

Main Ventilator with Panel.	1 piece
Installation Manual	1 piece



Fill out the following details and file along with your purchase receipt and certificate of safety.

**Model No.:**

**Purchased from:**

**Date of purchase:**