

# Maykke

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## **Installation and Warranty Guide**



Bathroom Exhaust Fan

SUITABLE FOR USE OVER TUB OR SHOWER ENCLOSURE WHEN INSTALLED IN A GFCI PROTECTED BRANCH CIRCUIT. THIS PRODUCT MUST BE INSTALLED BY A QUALIFIED TECHNICIAN.

- Do not mount in a ceiling thermally insulated to a value greater than R40.
- Designed to be mounted in the ceiling.
- **WARNING:** to reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.
- **WARNING:** to reduce the risk of electric shock, disconnect power before servicing.
- **NOTE:** not for use in kitchens.

### IMPORTANT SAFETY INSTRUCTIONS:

**WARNING:** TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Use this unit in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
2. Before servicing or cleaning unit, switch power off at service panel and lock service panel to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

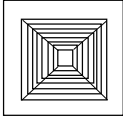


**CAUTION:** Fan is for general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.

### INSTALLATION INSTRUCTIONS:

**WARNING:** TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

1. Installation work and electrical wiring must be done by qualified persons in accordance with all applicable codes and standard, including fire-rated construction.
2. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning-equipment to prevent back-drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the local code authorities.
3. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utility.
4. Ducted fans must always vent to the outdoors.
5. If unit is to be installed over a tub or shower, it must be marked as appropriate for the application and be connected to a GFCI (ground fault circuit interrupter) protected branch circuit.
6. Never place a switch where it can be reached from a tub or shower.

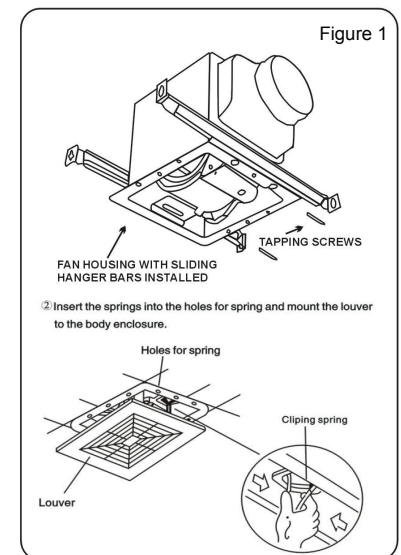
### SUPPLIED ACCESSORIES:

Part name	Appearance	Quantity
Grille		1
Suspension bracket		4
Screw (ST4X30)		4

### INSTALLATION OF HOUSING(Refer to Figure 1)

Rough Opening: 23.4cm(9 1/4") l x 23.4cm(9 1/4") w  
Housing Size : 23cm(9") l x 23cm(9") w x 20cm(7 3/4") h

1. Remove the louver from the unit before the mounting.
2. Install sliding hanger bars onto the fan housing by inserting the bars into the hanger bar support guide rail.
3. Loosely attach one end of a hanger bar to the joist by inserting a screw through the eyelet at the end of the bar into the wooden joist.
4. Attach the second hanger bar to the same joist.
5. Level the fan housing and attach the third and fourth hanger bar ends to the next joist. Adjust and tighten the screws.
6. For the louver to fit properly, the flange of the housing must be leveled to the soffit level of the ceiling.



### INSTALLING THE LOUVER(Refer to Figure 1)

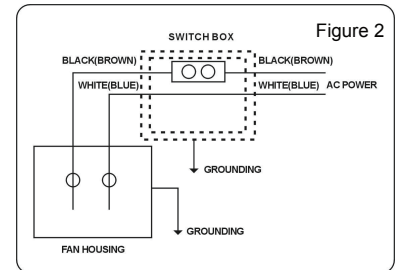
The louver can be installed when the finished ceiling has been completed. Place the louver's torsion spring mounting clips into the slot holes on both sides of the fan unit and press it closed.

### WIRING(Refer to Figure 2)

**IMPORTANT:** The power to your Air ventilation fan must disconnected before installation begins.

**IMPORTANT:** Be certain all wiring complies with local codes and that the fan unit is properly grounded.

1. Run power leads from the wall switch, or time switch to the unit.
2. Using the approved wire connectors, connect supply wires to fan wires: black (or brown) to black (or brown) and white (or blue) to white(or blue). Connect ground wire (green or bare) to the ground connection in the fan's junction box.

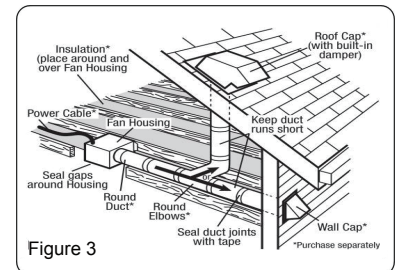


### DUCTING(Refer to Figure 3)

1. Run 4" round duct from the air discharge opening to the the outside of the building.
2. Sheet metal duct is recommended.

Properly insulate the area around the fan to minimize building heat loss and gain.

Loose fill or batt insulation can be placed directly over the fan housing in the attic.



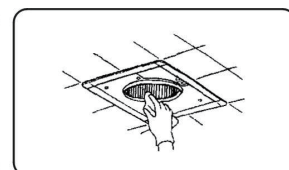
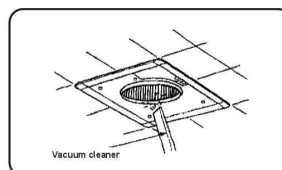
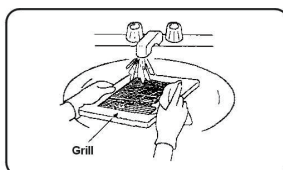
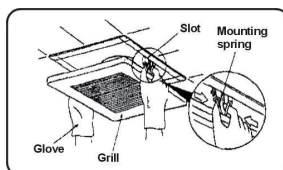
### MAINTENANCE:

**WARNING:** Disconnect the power source before servicing.

**NOTE:** Never use petrol, benzene, thinner or any other chemicals for cleaning the ventilating fan. Do not allow water get into motor. Do not immerse plastic parts in hot water over 60°C.

Routine maintenance must be done every year.

1. Remove the louver from the fan.
2. Wash and clean the louver.
3. Using a soft cloth and dampened with mild detergent to remove any dirt or dust build-up from the unit and wipe to dry.
4. After cleaning, replace the louver and confirm that fan has been reassembled correctly.



### SPECIFICATIONS:

Model No.	Product Type	Voltage (V)	Hz	Duct diameter (in.)	Sound output (Sones)	Motor power consumption (W)	Exhaust fan speed (RPM)	Airflow (CFM)	Weight (lbs)
WHA1000101	Exhaust Fan	120	60	4	0.6	45	850	90	9.37

\* Static pressure at 0.1 inches of water.

Specifications are based on HVI standard.

**For warranty information please check [www.maykke.com](http://www.maykke.com).**

**For customer service concerns please call: [877.659.2858](tel:877.659.2858) or email: [support@maykke.com](mailto:support@maykke.com)**