

# Range Hood

# INSTALLATION MANUAL

MODEL: BUF-04

1U031081

## SAFETY INSTRUCTIONS

Before installation and operation, read these instructions carefully and use this product only in the manner described by the manufacturer in the operation manual.

The instruction shown below are used to alert you to potential personal injury and property damage hazards. There are three hazard classifications based on potentially dangerous situations. Obey all safety instructions that show these symbols to avoid possible injury, death and property damage.

**WARNING:** WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**CAUTION:** CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**CAUTION:** CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

**NOTE:** The safety instructions are explained with the following pictographic symbols.

- means prohibition. It indicates actions, if any, that mustn't be done.
- means forcible execution. It indicates actions, if any, that must be done.

### WARNING

1. TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:
  - a) Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
  - b) Before servicing or cleaning the unit, switch power off at service panel and lock the service disconnecting means 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.
2. To reduce the risk of fire or electric shock, do not use this product with any solid-state speed control device.
3. TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:
  - a) Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
  - b) 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 guidelines and safety standards such as those published by the National Fire Protection Association (NFPA), and The American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
  - c) When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
  - d) Ducted fan must always be vented to outdoors.
4. TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCTWORK.
5. This unit must be grounded.

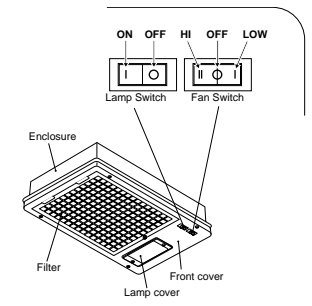


6. Install this range hood to a liner. Check that the hood is correctly installed, since incorrect installation could result in the range hood becoming detached and falling off.
7. Connect only to an AC120 Volt power source or the range hood could result in fire, electric shock, and damage.

### CAUTION

1. For general ventilating use only. Do not use to exhaust hazardous or explosive material and vapors.
2. To reduce the risk of fire and to properly exhaust air, be sure to duct air outside. Do not vent exhaust air into spaces within walls, ceilings or into attics, crawl spaces or garages.
3. Read specification label on this product for further information and requirements.
4. Use only for the purpose of kitchen ventilation.
5. Do not install this range hood in the bathroom or in other wet rooms since electrical shock and damage may result.
6. Fasten the filter and other parts securely. Incorrect attachment may result in personal injury or property damage.
7. Keep your hands and other objects away from the fan while it is in motion. The range hood may injure you or damage itself.

## NAMES OF PARTS

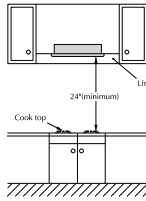


## ACCESSORIES



## RANGE HOOD LOCATION

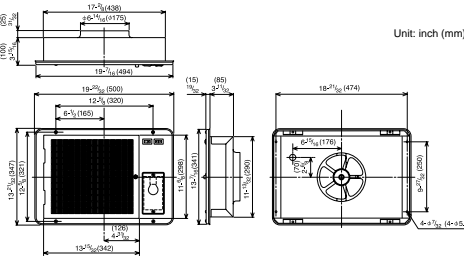
- 1 The range hood must be installed just above the cooktop.
- 2 The minimum distance from the cooking surface to the bottom of the range hood must be 24".
- 3 The total weight of the BUF-04 range hood unit is: BUF-04 ----8 lbs. (3.5 kg)
- 4 Power requirements are: AC120 V, 60 Hz, 1.0 Amp



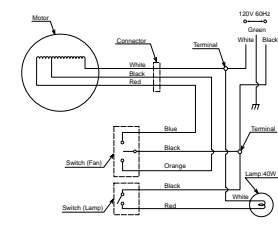
### CAUTION:

- Check that the hood is correctly installed, since incorrect installation could result in the detachment of the range hood and the unit could fall.
- To protect hands from injury, wear working gloves when installing the range hood.

## SIZE & DIMENSIONS



## CIRCUIT DIAGRAM



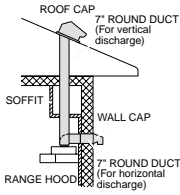
# INSTALLATION

### 1. Preparation

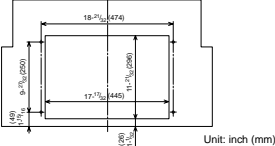
#### WARNING:

- If the range hood is not installed properly, it could become detached and fall.
- Ensure that the metal duct does not touch other metal housing materials, otherwise fire or electric shock could result.

- 1 According to the conditions where the range hood is installed, determine whether it will discharge vertically or horizontally (7" Round duct). For vertical or horizontal discharge, run duct work between the hood location and a roof cap or wall cap. For the best result in either direction, use a minimum number of transitions and elbows. Be sure to attach a roof cap or wall cap to avoid water leakage.



- 2 The range hood unit must be mounted to a liner which has the following dimensions. Install the liner securely after checking that the opening size of the liner is the same as the figure below.



#### CAUTION:

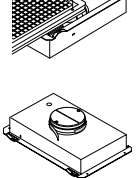
The liner should be installed tightly. If the liner installation is not correct, the range hood unit may become detached and fall.

- 3 Run house wiring between service panel and hood location.



- 4 Prepare the range hood unit.

- (1) The range hood is supplied with the accessory damper packed inside. Detach the front cover by removing 4 fixing screws, and take out the damper first.
- (2) Put the damper on the exhaust port and fix it using non-flammable tape such as duct tape, etc. (not supplied)



**NOTE:** The range hood is also usable without installing the damper.

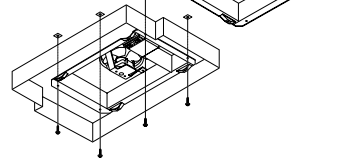
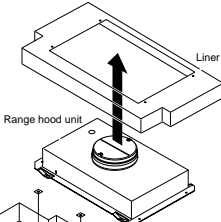
### 2. Range Hood Mounting

#### CAUTION:

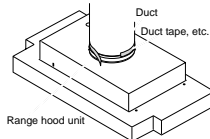
To prevent air or moisture from entering through the wall opening, be sure to install wall insulation to seal around duct work completely.

- 1 Hold up the range hood and align the 4 screw holes of the liner and range hood, then fix securely using the supplied screws (M5x30) and nuts.

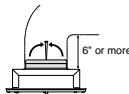
**NOTE:** Fasten all the screws and nuts evenly.



- 2 Check that the top of the exhaust port is inserted into the bottom of 7" round duct, then make the duct joint secure with air tight using non-flammable tape such as duct tape, etc. (not supplied)



**NOTE:** In case of horizontal discharge using the damper supplied, pay attention to the inside shutter movement of the damper.

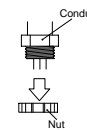


### 3. Connecting Power Supply Wires

#### WARNING:

- Electrical wiring should be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction. An unqualified person doing the work could result in fire, electric shock or injury.
- This range hood uses 120V AC. Do not connect to other voltage since fire, electric shock or damage could result.

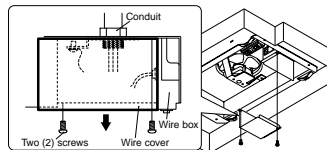
- 1 Remove the nut from the conduit connector at the end of power wiring.



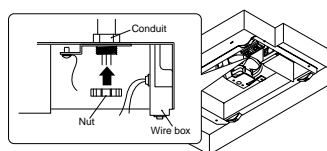
#### WARNING:

Be sure to switch power OFF at service panel before wiring.

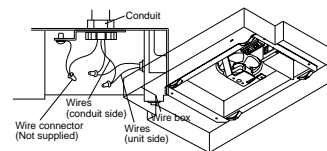
- 2 Remove one screw fixing the wire cover and detach it.



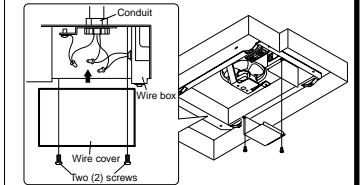
- 3 Connect the conduit through the connecting hole of the body using the nut previously removed.



- 4 Connect the electrical wires as follows: Connect wires tightly and securely using wire connectors (not supplied).



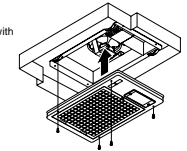
- 5 Replace the wire cover with the screw removed previously. Make sure that all wires are connected properly and enclosed inside of the wiring compartment.



### 4. Final Assembly and Check

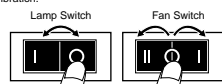
One 40 W light bulb (not supplied) can be mounted in this range hood. Prior to final assembly, install a light bulb (ordinary type, in the base diameter 17 mm), rated 120 V-40 W or below.

- 1 **Assembly**  
Replace the front cover with 4 screws.



#### 2 Check

- (1) Turn on the electrical circuit to the range hood.
- (2) Make sure that the switch and light operate correctly. Refer to page 5 of the Operation Manual.
- (3) Check the ventilating functions at HIGH and LOW positions.
- (4) Make sure that the range hood has no abnormal noises and/or vibration.



#### CAUTION:

- To reduce the risk of injury, keep your hands and other objects away from the fan while it is in motion.
- Wear working gloves to avoid injury.

### 5. Explanation to the End User

- (1) Refer to the Operation Manual, and explain the operation of this range hood to end users.
- (2) The Installation Manual and Operation Manual should be given to the end user.