

BUF-06P

INSTALLATION



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. Ducted fan must always be vented to outdoors.

d) 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.

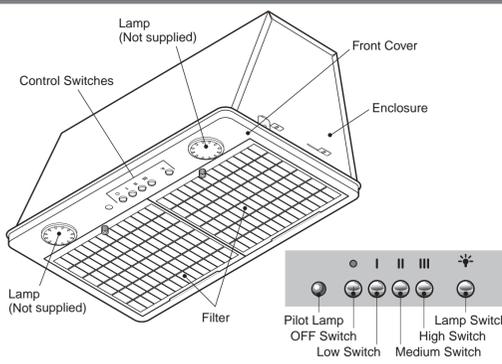
3. Read specification label on this product for further information and requirements.

4. Use only for the purpose of kitchen ventilation.

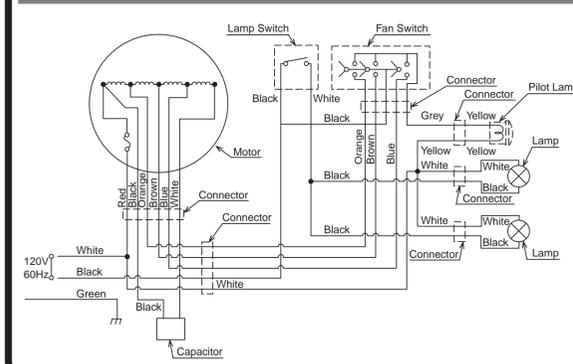
5. Do not install this range hood in the bathroom or in other wet rooms since electrical shock and damage may result.

6. Fasten the filter and other parts securely. Incorrect attachment may result in personal injury or property damage.

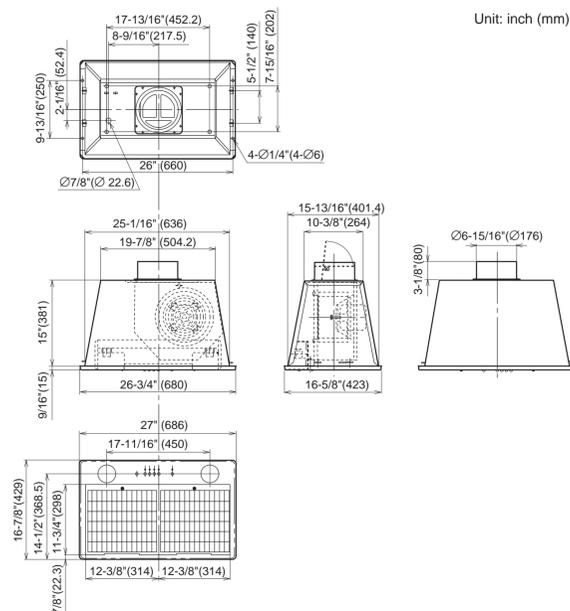
NAMES OF PARTS



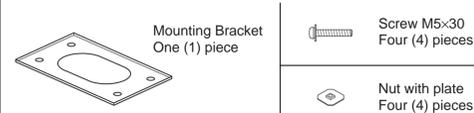
CIRCUIT DIAGRAM



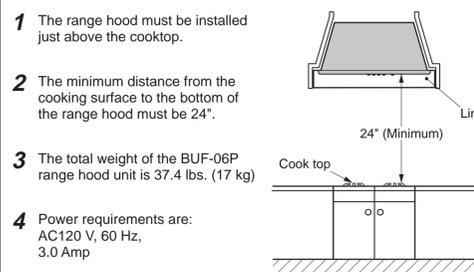
DIMENSIONS



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-06P range hood unit is 37.4 lbs. (17 kg)
4 Power requirements are: AC120 V, 60 Hz, 3.0 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.

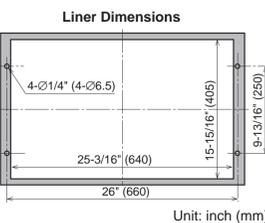
INSTALLATION

1. Preparation

In this manual, the following method is explained as a standard installation. There may be some different cases depending on the structure of the ceiling where the mounting bracket is placed or the shape and mounting condition of the wood hood. In such a case, please arrange to find best possible way according to the condition of the place where the range hood is installed.

WARNING:
• Ensure that the metal duct does not touch other metal housing materials, otherwise fire or electric shock could result.

1 This range hood is designed to discharge upward. For vertical discharge, run duct work between the hood location and roof cap location. To get the best result, use a minimum number of transitions and elbows. Be sure to attach a roof cap to avoid rain from entering the exhaust duct.



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

3 Put 4 all thread rod (Ø12-14 anchor bolt, not supplied) into the corner holes of the mounting bracket, and secure them using washers, spring washers, and nuts. Place the mounting bracket on the beam of the ceiling as shown.

Note: The mounting bracket should be securely fastened at this point to simplify installing the range hood later.



2. Range Hood Mounting

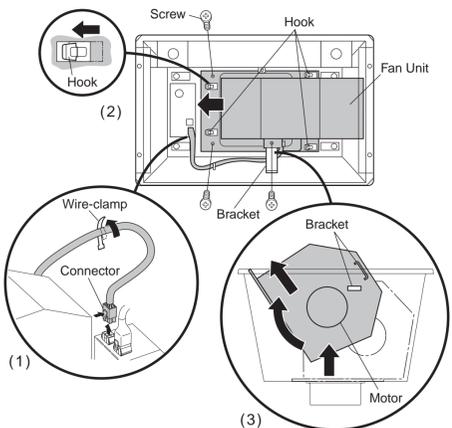
CAUTION:
• Wear working gloves to avoid injury.

1 Detach the tape on the exhaust port.

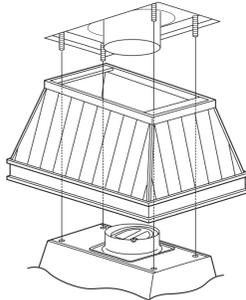
2 Detach the filters by loosening 2 screws. Then remove 5 screws holding the front cover and detach the front cover.

3 Remove the fan unit from the range hood.

- Unplug the connector coming from the fan motor.
- Remove 3 screws, then detach the fan unit with sliding it laterally to disengage from 4 hooks.
- Pull up the fan unit while avoiding the bracket.

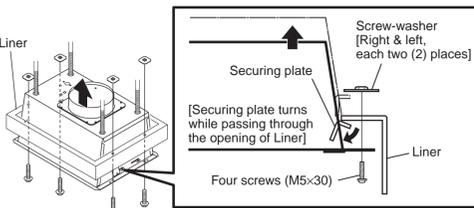


4 Hold up the range hood, and with inserting the exhaust port into the duct, pass all 4 threaded rods through the corner holes of the range hood.

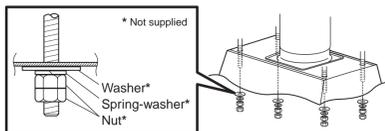


5 Align 4 screw holes of the liner and range hood, then fix securely using the supplied screws (M5x30) and nuts.

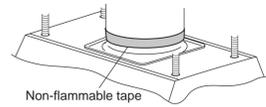
Note: Fasten all the screws and nuts evenly.



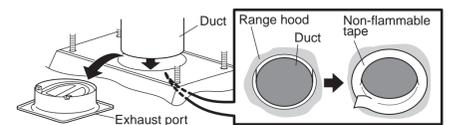
6 Using washers, spring washers, and double nuts, attach the range hood to all 4 threaded rods securely.



7 Make the duct joint secure and air-tight using non-flammable tape such as duct tape, etc. (Not supplied)



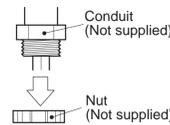
Note: If taping from the outside is impossible, remove the exhaust port and insert the duct end to the range hood directly, then make inside taping on the duct end. Be sure to attach a duct cover with damper in this case.



3. Connecting Power Supply Wires

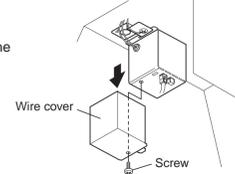
WARNING:
• Electrical wiring should be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction. An unqualified person doing the work could result in fire, electric shock or injury.
• This range hood uses 120V AC. Do not connect to other voltage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

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

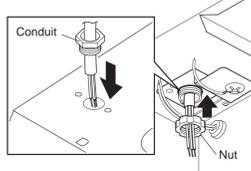


WARNING:
Be sure to switch power OFF at service panel before wiring.

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



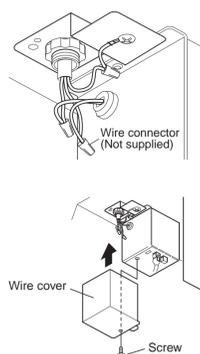
3 Connect the conduit through the connecting hole of the body using the nut previously removed.



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

- Black to Black
- White to White
- Green to Green

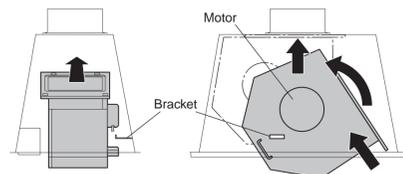
5 Replace the wire cover with the screw removed previously. Make sure that all wires are connected properly and enclosed inside of the wiring compartment.



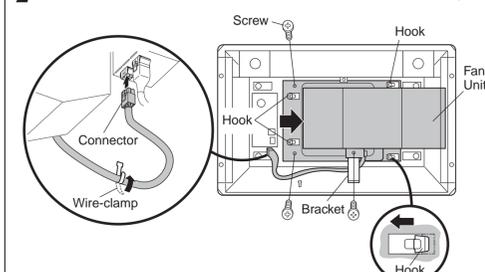
4. Final Assembly and Check

Assembly

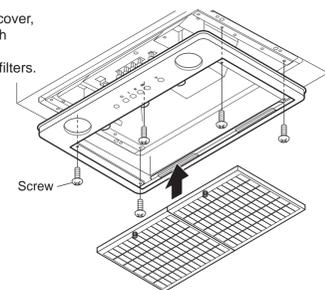
1 Attach the fan unit while avoiding the bracket, and fix it using 3 screws.



2 Connect the motor wire connector, and secure it with the wire-clamp.

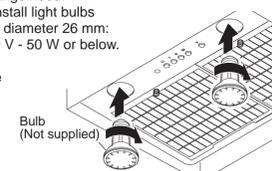


3 Attach the front cover, and secure it with 5 screws. Then attach the filters.



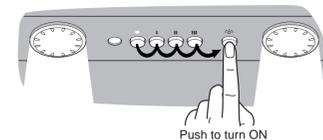
4 Two 50 W halogen light bulbs (not supplied) can be mounted in this range hood. Prior to function check, install light bulbs (PAR20 bulb, in the base diameter 26 mm: medium base), rated 120 V - 50 W or below.

Turn the lamps clockwise to install them.



Check

- Turn on the electrical circuit to the range hood. Refer to page 4 of the Operation Manual.
- Make sure that the switches and light operate correctly.
- Make sure that the range hood functions properly and it has no abnormal noises and/or vibration.



5. Explanation to the End User

- Referring to the Operation Manual, explain the operation of this range hood to end users.
- The Installation Manual and Operation Manual should be given to the end user.

