



Installation Instructions
Instructions d'Installation
Instrucciones para instalación

Hood Liner
Hotte d'armoire
Campana de gabinete

DHD**U790LS/DA

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Before You Begin

Important Notes

Installer

- In the interest of safety and to minimize problems, read this manual thoroughly before starting the installation.
- Leave this manual with the customer.
- Show the owner how to shut off power to the hood.

Customer

Keep this manual for personal and professional reference.

Customer Service

To resolve questions and installation issues, contact your Dacor dealer or Dacor customer service. Before calling, have the hood's model and serial number available. (See the data label inside the hood above the filters on the chassis' rear wall).

All specifications are subject to change without notice. Dacor assumes no liability for such changes.
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Important Safety Instructions

**APPROVED FOR RESIDENTIAL APPLIANCES
FOR RESIDENTIAL USE ONLY
READ AND SAVE THESE INSTRUCTIONS**

**PLEASE READ ENTIRE INSTALLATION GUIDE BEFORE PROCEEDING.
INSTALLATION MUST COMPLY WITH ALL LOCAL CODES.**

IMPORTANT: Save these instructions for the local electrical inspector's use.
INSTALLER: Please leave these instructions with this unit for the owner.
OWNER: Please retain these instructions for future reference.

Symbols used in this manual

WARNING

Hazards or unsafe practices that may result in severe personal injury or death.

WARNING

Turn off power circuit at service panel and lock out panel before wiring this appliance.

CAUTION

Hazards or unsafe practices that may result in electric shock, personal injury, or property damage.

NOTE

Useful tips and instructions.

These warning icons and symbols are here to prevent injury to you and others.

Please follow them explicitly. After reading this section, keep it in a safe place for future reference.

State of California Proposition 65 warning (US only)

WARNING

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm - www.p65warnings.ca.gov

1. FCC Notice

CAUTION

FCC CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of FCC Rules. Operation is subject to following two conditions:

1. This device may not cause harmful interference, and
 2. This device must accept any interference received including interference that cause undesired operation.
- For products sold in the US and Canadian markets, only channels 1~11 are available. You cannot select any other channels.

FCC STATEMENT:

This equipment has been tested and found to comply within the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Important Safety Instructions

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorienting or relocating the receiving antenna
- Increasing the separation between the equipment and receiver
- Connecting the equipment to an outlet that is on a different circuit than the radio or TV
- Consulting the dealer or an experienced radio/TV technician for help

FCC RADIATION EXPOSURE STATEMENT:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated so there is at least 8 inches (20 cm) between the radiator and your body. This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter.

2. IC Notice

The term "IC" before the radio certification number only signifies that Industry Canada technical specifications were met. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003. For products sold in the US and Canadian markets, only channels 1~11 are available. You cannot select any other channels.

IC RADIATION EXPOSURE STATEMENT:

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated so there is at least 8 inches (20 cm) between the radiator and your body. This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter.

⚠ WARNING

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

- Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
- Before servicing or cleaning the unit, switch the power off at the service panel and lock the service panel to prevent power from being switched on accidentally. If the service panel cannot be locked, securely fasten a prominent warning device, such as a tag to the service panel.
- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
- Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent backdrafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the National Fire Protection Association (NFPA), the American Society for Heating, Refrigeration and Air Conditioning Engineers (ASHRAE), and the local code authorities.
- When cutting or drilling into the wall or ceiling; do not damage electrical wiring and other hidden utilities.
- Ducted fans must always be vented outdoors.

⚠ CAUTION

For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapors.

Important Safety Instructions

CAUTION

To reduce risk of fire and to properly exhaust air, be sure to duct air outside - do not vent exhaust air into spaces within walls or ceilings, attics or into crawl spaces, or garages.

WARNING

TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCTWORK

WARNING

TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

- Never leave surface units unattended at high settings. Boilovers cause smoking and greasy spillovers that may ignite. Heat oils slowly on low or medium settings.
- Always turn the hood ON when cooking at high heat or when flambeing food (i.e. Crepes Suzette, Cherries Jubilee, Peppercorn Beef Flambé).
- Clean ventilating fans frequently. Grease should not be allowed to accumulate on the fan or filter.
- Use proper pan sizes. Always use cookware appropriate for the size of the surface element.

WARNING

TO REDUCE THE RISK OF INJURY TO PERSONS IN THE EVENT OF A RANGE TOP GREASE FIRE, OBSERVE THE FOLLOWING PRECAUTIONS:*

- SMOTHER FLAMES with a close fitting lid, cookie sheet, or metal tray, then turn off the burner.
BE CAREFUL TO PREVENT BURNS. If the flames do not go out immediately, EVACUATE AND CALL THE FIRE DEPARTMENT.
- NEVER PICK UP A FLAMMING PAN - you may get burned.
- DO NOT USE WATER, including wet dishcloths or towels - a violent steam explosion will result.
- Use an extinguisher ONLY if:
 - You know you have a class ABC extinguisher, and you already know how to operate it.
 - The fire is small and contained in the area where it started.
 - The fire department is being called.
 - You can fight the fire with your back to an exit.

*Based on "Kitchen Fire Safety Tips" published by NFPA.

WARNING

To reduce the risk of fire or electrical shock, do not use this fan with any solid-state speed control device.

WARNING

Do not let children near this appliance. Do not let children play with this appliance.

Keep all packaging materials out of children's reach. Properly dispose the packaging materials after this appliance is unpacked.

NOTE

Suitable for use in household cooking area.

Read and save these Instructions

Installation Requirements

Electrical requirements

IMPORTANT

Observe all governing codes and ordinances.

It is the customer's responsibility:

- To contact a qualified electrical installer.
- To assure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 — latest edition*, or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No.0-M91 - latest edition** and all local codes and ordinances.

If codes permit and a separate ground wire is used, it is recommended that a qualified electrician determine that the ground path is adequate.

A copy of the above code standards can be obtained from:
National Fire Protection Association

1 Batterymarch Park
Quincy, MA 02169-7471

CSA International
8501 East Pleasant Valley Road
Cleveland, OH 44131-5575

- A 120 volt, 60 Hz., AC only, 15-amp, fused electrical circuit is required.
- If the house has aluminum wiring, follow the procedure below.

1. Connect a section of solid copper wire to the pigtail leads.
2. Connect the aluminum wiring to the added section of copper wire using special connectors and/or tools designed and UL listed for joining copper to aluminum.

- Follow the electrical connector manufacturer's recommended procedure. Aluminum/copper connection must conform with local codes and industry accepted wiring practices.
- Wire sizes and connections must conform with the rating of the appliance as specified on the model/serial rating plate. The model/serial plate is located behind the filter on the rear wall of the hood.
- Wire sizes must conform to the requirements of the National Electrical Code, ANSI/NFPA 70 (latest edition), or CSA Standards C22.1-94, Canadian Electrical Code, Part 1 and C22.2 No. 0-M91 (latest edition and all local codes and ordinances).

If provided with an electrical plug, connect the hood to a receptacle that complies with current regulations and placed in an accessible position. Where an electrical plug is not provided (direct connection to electrical network) or the plug will not be in an accessible position after installation, place an approved bipolar switch in accessible position that provides full disconnection under overvoltage category III conditions, in accordance with local wiring rules.

Installation Requirements

Venting requirements

- Vent system must terminate outdoors.
- Do not terminate the vent system in an attic or other enclosed area.
- Do not use a 4" (10.2 cm) laundry-type wall cap.
- Use metal vent only. Rigid metal vent is recommended.
- Plastic or metal foil vent is not recommended.
- The length of the vent system and the number of elbows should be kept to a minimum to provide efficient performance. For the most efficient and quiet operation:
 - Use no more than three 90° elbows.
 - Make sure there is a minimum of 30" (76.2 cm) of straight vent between the elbows if more than 1 elbow is used. Do not install 2 elbows together.
- Use clamps to seal all joints in the vent system.
- The vent system must have a damper. If the roof or wall cap has a damper, do not use the damper supplied with the hood.
- Use caulking to seal the exterior wall or roof opening around the cap.
- The size of the vent should be uniform.

Venting methods

To use the hood's top outlet to vent your hood, a 10" (25.4 cm) round vent system is required. This vent system is not included and must be purchased separately.

NOTE

Flexible vent is not recommended. Flexible vent creates back pressure and air turbulence that greatly reduces performance. The vent system can terminate either through the roof or wall.

Always install a metal vent cover where the ductwork exits the house. Hood must be vented to the outside of building only.

Discharge direction

This hood is factory set for venting through the roof (vertical discharge) or wall (horizontal discharge).

To vent through a wall, a 90° elbow is needed.

Ductwork installation guidelines

For safety reasons, ducting should vent directly outdoors (not into an attic, underneath the house, into the garage or into any enclosed space). Do not exceed 50 ft (15.24 m) of duct. Keep duct runs as short and straight as possible. Elbows and transitions fittings reduce air flow efficiency.

Back to back elbows and "S" turns give very poor delivery and are not recommended. A short straight length of duct at the inlet of a remote fan gives the best delivery.

Ducting recommendations

Proper performance is dependent upon proper ducting.

Cold weather

Cold weather installations should have an additional backdraft damper installed to minimize backward cold air flow and a nonmetallic thermal break to minimize conduction of outside temperatures as part of the ductwork. The damper should be on the cold air side of the thermal break. The break should be as close as possible to where the ducting enters the heated portion of the house.

Make-up air

Local building codes may require the use of make-up air systems when using ducted ventilation systems greater than specified CFM of air movement. The specified CFM varies from locale to locale. It is the responsibility of the owner and the installer to determine if additional requirements and/or standards apply to specific installations.

Installation Requirements

Ducting options

The hood is equipped with a 10" (25.4 cm) round transition for discharge of fumes to the outside.

Closely follow the instructions set out in this manual. Dacor is not responsible for any eventual inconveniences, damages or fires caused by not complying with the instructions in this manual.

Preparation

Do not cut a joist or stud unless absolutely necessary. If a joist or stud must be cut, then a supporting frame must be constructed.

Fittings material is provided to secure the hood to most types of walls/ceilings.

However, a qualified technician must verify suitability of the materials in accordance with the type of wall/ceiling.

Before making cutouts, make sure there is proper clearance within the ceiling or wall for the exhaust vent.

Mounting height

⚠ CAUTION

Mount this hood so that the bottom edge above the cooking surface is at 30" (76.2 cm) minimum for a gas cooking surface or 24" (60.9 cm) for an electric cooking surface.

There is no maximum mounting height, however, we recommend mounting the hood no greater than 36" (91.4 cm) above the cooking surface. For every inch (2.54 cm) above 36" (91.4 cm), fume and moisture capture efficiency diminishes at an increasing rate and may not deliver an acceptable level of ventilating performance.

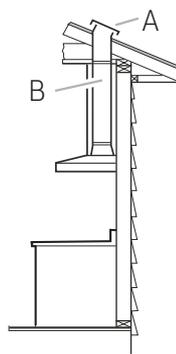
This hood is intended for household use.

Check your ceiling height and hood height before selecting your hood.

Horizontal discharge

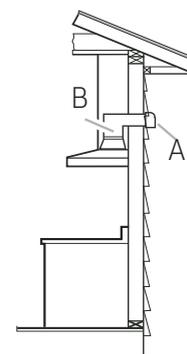
A 90° elbow may be installed immediately above the hood.

Roof Venting



A. Roof Cap
B. 10" (25.4 cm)
Round Vent

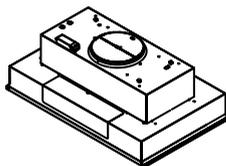
Wall Venting



A. Wall Cap
B. 10" (25.4 cm)
Round Vent

Installation Requirements

What is in the box



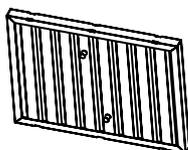
Hood assembly (1)



Hardware bag (1)



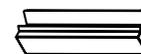
Side spacers (2)



Filters
30" (2)
36" (2)
48" (3)



Product literature (2)



Drip trays
30" (2)
36" (2)
48" (3)

Tools and parts

Removing the packaging.

⚠ CAUTION

Remove carton carefully, Wear gloves to protect against sharp edges.

⚠ WARNING

Remove the protective film before putting into operation.

Parts supplied

- Hardware bag includes:

Part #	Qty
 5 x 45 mm	4
 3.5 x 6.5 mm	6
 Ø 6.4 x 18 mm washers	4
 CFM reduction wire	(1) 36" (1) 48"

Parts not supplied

Tools/Materials required

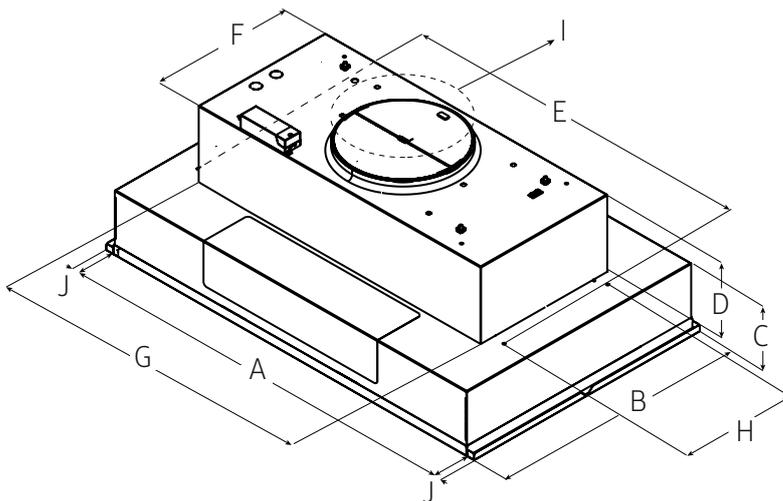
- Level
- Drill with 1 ¼" (3.2 cm) and ⅛" (3 mm) drill bits
- Pencil
- Wire stripper or knife
- Tape measure or ruler
- Pliers
- Caulking gun and weatherproof caulking compound
- Vent clamps
- Jigsaw
- Metal snips
- Screwdrivers:
 - Phillips
 - Flat - blade

Parts needed

- Home power supply cable
- ½" (12.7 mm) UL listed or CSA approved strain relief
- 3 UL listed wire connectors
- 1 wall or roof cap
- Metal vent system

Installation Requirements

Dimensions and clearances

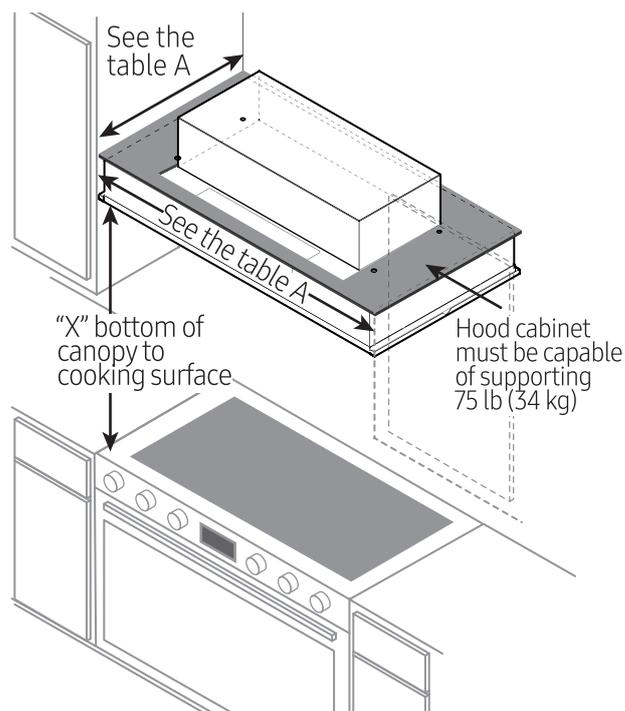


	Models		
	30"	36"	48"
A	28½" (72.1 cm)	34½" (87.4 cm)	46½" (117.8 cm)
B	22" (55.9 cm)		
C	5⅞" (13.8 cm)		
D	6½" (16.4 cm)		
E	24 ⁵ / ₁₆ " (61.8 cm)	29 ¹³ / ₁₆ " (75.7 cm)	
F	12 ⁷ / ₁₆ " (31.4 cm)		
G	22" (56 cm)	27 ⁹ / ₁₆ " (70 cm)	
H	10⅛" (25.7 cm)		
I	10" (25.4 cm)		
J	¾" (1.9 cm)		

This hood has the flexibility to be installed in two different ways, depending on the width measurement or working area between the left and right cabinetry. Before beginning, it is important to determine the dimension of this working area and to consider the measurements detailed in the next table.

Table A

Hood Models	Hood width without spacers	Hood width with spacers	Hood Depth
30"	28½" (72 cm)	30" (76.2 cm)	22" (55.9 cm)
36"	34½" (87 cm)	36" (91.44 cm)	
48"	46½" (117.5 cm)	48" (121.92 cm)	



IMPORTANT:
 Minimum distance "X": 24" (60.9 cm) from electric cooking surfaces.
 Minimum distance "X": 30" (76.2 cm) from gas cooking surfaces.

Installation

Installation instructions

We recommend that a qualified technician install the hood. It is the installer's responsibility to ensure the hood complies with the installation clearances specified for the product.

- It is recommended that the vent system be installed before the hood is installed.
- If possible, disconnect and remove any cooking appliance from beneath the hood area to provide easier access to the rear wall.
- Before making cutouts, make sure there is proper clearance within the ceiling or wall for the exhaust vent.

- Confirm that all installation parts have been removed from the shipping carton.
1. Turn off the power at the circuit breaker panel or fuse box.
 2. Determine which venting method to use: roof or wall exhaust.

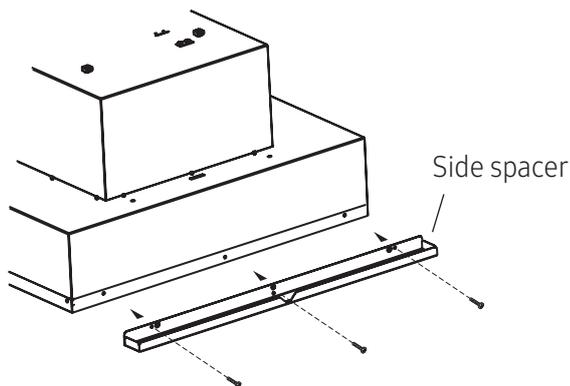
NOTE

This hood is factory set to vent through the top air exit.

3. Select a flat surface for assembling the hood. Place a covering over that surface

Stainless steel hood spacer installation

- You can elongate 1.5" (3.8 cm) of your hood width ($\frac{3}{4}$ " [1.9 cm] per side), installing the stainless steel spacers included with your hood.
 - Unpack the spacer and take off the protective film.
 - Put each one on the right and the left side
 - Fasten hood spacers to the hood cabinet and tighten securely using 3 - 3.5 x 6.5 mm screws each.
- If cabinetry designs reduces the width opening (i.e. – 28.5", 34.5" or 46.5") to install the hood, the spacers are not used.
 - If you have a full width opening (i.e. – 30", 36" or 48") to install the hood, you should use the spacers.



Installation

Prepare the location

- Disconnect power.
- Determine which venting method to use: roof or wall exhaust.
- Select a flat surface for assembling the hood insert. Place covering over that surface.
- It is recommended that the vent system be installed before hood is installed.
- Before making cutouts, make sure there is proper clearance within the ceiling or wall for exhaust vent.
- Hood insert should be installed a minimum 24" (60.9 cm) above an electric cooking product and 30" (76.2 cm) above a gas cooking product. The maximum recommended height over both cook tops is 36" (91.4 cm).
- Check that all installation parts have been removed from the shipping carton.
- Using 2 or more people, lift hood insert onto covered surface.
- Remove the filters. See the "Cleaning" section.

Install hood into hood cabinet

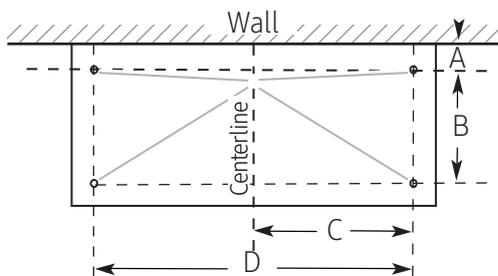
The hood attaches to the hood cabinet using 4 - 5 x 45 mm screws and washers.

NOTE

Hood cabinet must be capable of supporting 75 lb (34 kg).

Prepare hood for mounting into cabinet

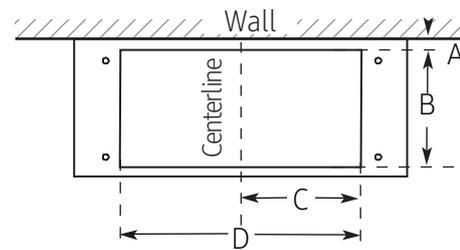
1. Mark the locations for the four mounting screws on the hood cabinet as shown below.
2. Using a 1/8" (3 mm) drill bit, drill the 4 holes.



Mounting hole dimensions

Model	DIM A	DIM B	DIM C	DIM D	DIM E
30"	6" (15.5 cm)	10 1/16" (25.7 cm)	12 5/32" (30.9 cm)	24 5/16" (61.8 cm)	Ø 1/8" (3mm)
36"			14 15/16" (37.8)	29 13/16" (75.7 cm)	
48"					

3. Mark the cutout for the rectangular clearance hole for the upper hood motor housing as shown.
4. Using a jigsaw, cut out the rectangular clearance hole for the upper hood housing.



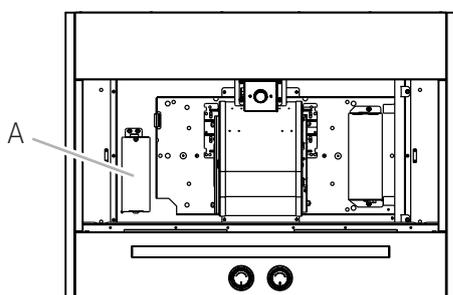
Upperhood motor housing dimensions

Model	DIM A	DIM B	DIM C	DIM D
30"	4 4/5" (12.2 cm)	12 7/16" (31.4 cm)	11" (28 cm)	22" (56 cm)
36"			13 7/10" (35 cm)	27 9/16" (70 cm)
48"				

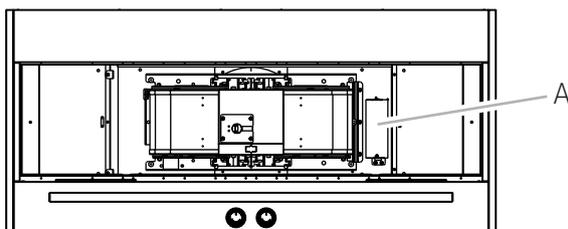
Installation

1. Determine and make all necessary cuts in the wall or roof for the vent system. Install the vent system before installing the cabinet hood insert. See the "Venting Requirements" section.
2. Determine the location where the power supply cable will be run through the wall.
3. Drill a 1¼" (3.2 cm) hole at this location.
4. Pull enough power supply cable through the wall to allow for easy connection to the terminal box.
5. Remove terminal box cover (A) and set aside.
6. Remove knockout from the top of the vent hood and install a UL listed or CSA approved ½" (1.3 cm) strain relief.
7. Place the hood insert near its mounting position and run the power supply cable through the strain relief into terminal box (enough to make connection).
8. Tighten the strain relief.
9. Using 2 or more people, lift the hood insert into hood cabinet.
10. Fasten the hood using 4 - 5 x 45 mm screws with washers to the hood cabinet and tighten securely.

30" Single fan models



36" and 48" Double fan models

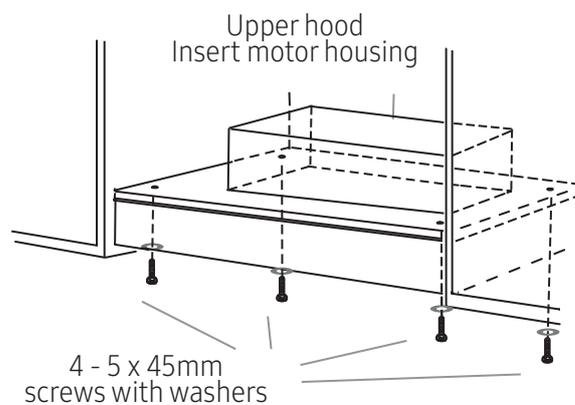


▲ WARNING

EXCESSIVE WEIGHT HAZARD

USE TWO OR MORE PEOPLE TO MOVE AND INSTALL HOOD INSERT.

FAILURE TO DO SO CAN RESULT IN BACK OR OTHER INJURY.



Installation

Electrical connection

▲ WARNING

ELECTRICAL SHOCK HAZARD.

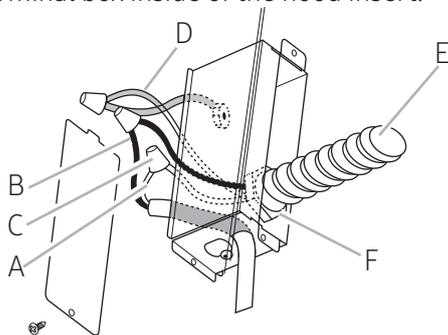
▲ WARNING

DISCONNECT POWER BEFORE SERVICING.

REPLACE ALL PARTS AND PANELS BEFORE OPERATING.

FAILURE TO DO SO CAN RESULT IN DEATH OR ELECTRICAL SHOCK.

1. Disconnect power.
2. Locate terminal box inside of the hood insert.



- | | |
|--|------------------------|
| A. White wires | E. Home power supply |
| B. Black wires | F. UL listed or CSA |
| C. UL listed wire connectors | approved 1/2" (1.3 cm) |
| D. Green, bare or yellow/
green wires | strain relief |

3. Use UL listed wire connectors and connect black wires (B) together.
4. Use UL listed wire connectors and connect white wires (A) together.

▲ WARNING

ELECTRICALLY GROUND FAN.

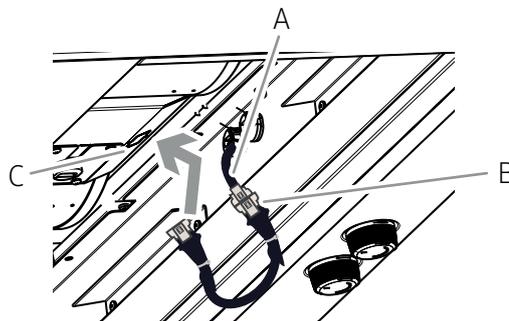
CONNECT GROUND WIRE TO GREEN AND YELLOW GROUND WIRE IN TERMINAL BOX. FAILURE TO DO SO CAN RESULT IN DEATH OR ELECTRICAL SHOCK.

5. Connect green (or bare) ground wire from home power supply to the green/yellow ground wire (D) in terminal box using UL listed wire connectors.
6. Install terminal box cover.
7. Reconnect power.

CFM reduction for 36" and 48" models

1. Connect the one end of the CFM reduction wire to the (A) end of the wire harness coming out from the hood.
2. Connect the other end of the CFM reduction wire to the (C) fan connection.

For additional information about CFM reduction of your new hood, refer to the "Use and Care" manual.

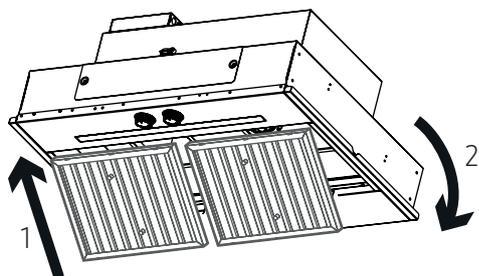


- A. Hood harness
B. CFM reduction wire end
C. Fan connection

Installation

Completing the installation

1. Grasp the filter handles with both hands and then place the front edge of the filter into the hood.
2. Push up on the back of the handle, and then set rear of filter into the drip tray to secure. Repeat for each filter.



Model shown for reference only, features may vary

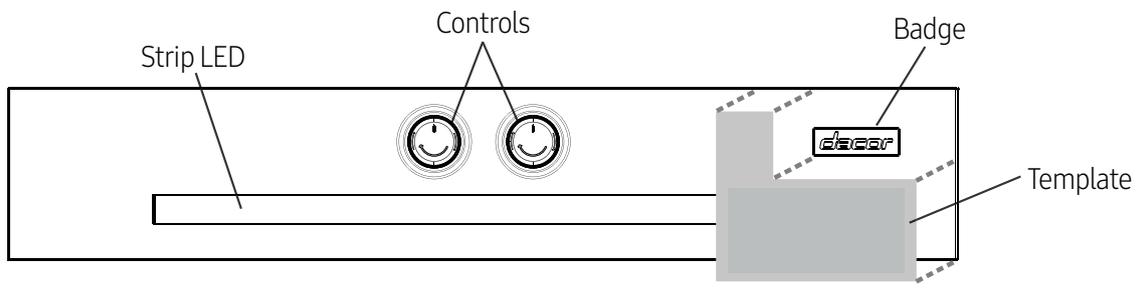
Place the filters and check the operation of the hood.

- To get the most efficient use from your new hood, read the "Use and Care" manual.
- Keep these Installation Instructions and Use and Care Guide close to hood for easy reference.

Installation

Attach Dacor badge

Use the template on this page for alignment of the badge. Cut out the template and tape it onto the hood front surface and verify the template is aligned with the right side of the hood and within the upper and lower edge of the front surface. Practice placing the badge first before removing the adhesive release paper.



Lower view of the edge of the hood

NOTE: The badge has very high retention adhesive - once the badge is attached its extremely difficult to remove.

Before removing the release paper from the back of the badge, practice placing the badge in the proper position on the hood without any overlap between the badge and this template.

After this practice, remove the release paper from the back of the badge, and attach it to the hood without any overlap of the badge to this template.

Remove and discard this template.

