



MODERN AIRE VENTILATING

Wall Mounted Installation Guide

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MODERN-AIRE

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Important Safety Instructions

Be certain your appliance is properly installed and grounded by a qualified technician. To guarantee the electrical safety of this appliance, continuity must exist between the appliance and an effective grounding system. It is imperative that this basic safety requirement be met.

To avoid damaging the ventilation hood, make sure that the connection data (voltage and frequency) on the data plate correspond to the building's power supply before connecting the appliance.

Do not use a power bar or extension cord to connect the ventilation hood to electricity. These are a fire hazard and do not guarantee the required level of appliance safety.

To ensure safe operation, only use the ventilation hood after it has been properly installed.

This ventilation hood may not be used in non-stationary locations (e.g. on a ship).

Only open the housing as described in the enclosed "Installation diagram" and in the "Cleaning and Care" section of this guide. Under no circumstances should any other parts of the housing be opened.

Tampering with electrical connections or components and mechanical parts is highly dangerous to the user and can cause operation faults.

This appliance complies with current safety requirements. Improper use of the appliance can lead to personal injury and material damage. Only use the appliance for its intended purpose.

Important Safety Instructions

CAUTION: For General Ventilating Use Only.

Do not use to exhaust hazardous or explosive materials and vapors.

This appliance is intended for residential use only. Use only as described in these operating instructions.

This ventilation hood is designed for domestic use and for use in similar residential environments.

It must only be used to extract and clean vapors produced during cooking. Any other use occurs at the owner's own risk.

This appliance is suitable for installation above gas or electric cooking surfaces.

Persons who lack physical, sensory or mental abilities, or experience with the appliance should not use it without supervision or instruction by a responsible person.

Before servicing or cleaning the appliance, switch power off at the service panel and lock the service disconnecting means to prevent power from being switched on accidentally. If the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

Installation, repair and maintenance work should be performed by an authorized service technician in accordance with national and local safety regulations and the provided installation instructions. Contact Modern Aire's Technical Service Department for examination, repair or adjustment. Repairs and other work by unauthorized persons could be dangerous and may void the warranty. A damaged ventilation hood can be dangerous. Always check for visible signs of damage. Never use a damaged ventilation hood.

Before Installation

Inspect the Range Hood

Make sure the hood is not damaged or defective. Make sure the hood is what you ordered: the correct design, dimensioning, materials/color and accessories. **We will not fix any cosmetic issues once the hood is installed.**

Prepare Ductwork

Plan where your ductwork will be located. Install the proper sized ductwork and exterior roof, wall cap or exterior blower, depending on where you will be venting your hood outdoors. Ductwork should already be punched through the ceiling (or wall if the ceiling is not an option) and ready to hook up to the range hood before beginning installation. See venting requirements.

Correct Venting

Allow 30-36" between the top of the cooking surface and the bottom of hood. The best option is to vent vertically through the roof, however venting through a side wall if you cannot vent directly above your hood is acceptable. Use galvanized steel or metal ducting only.

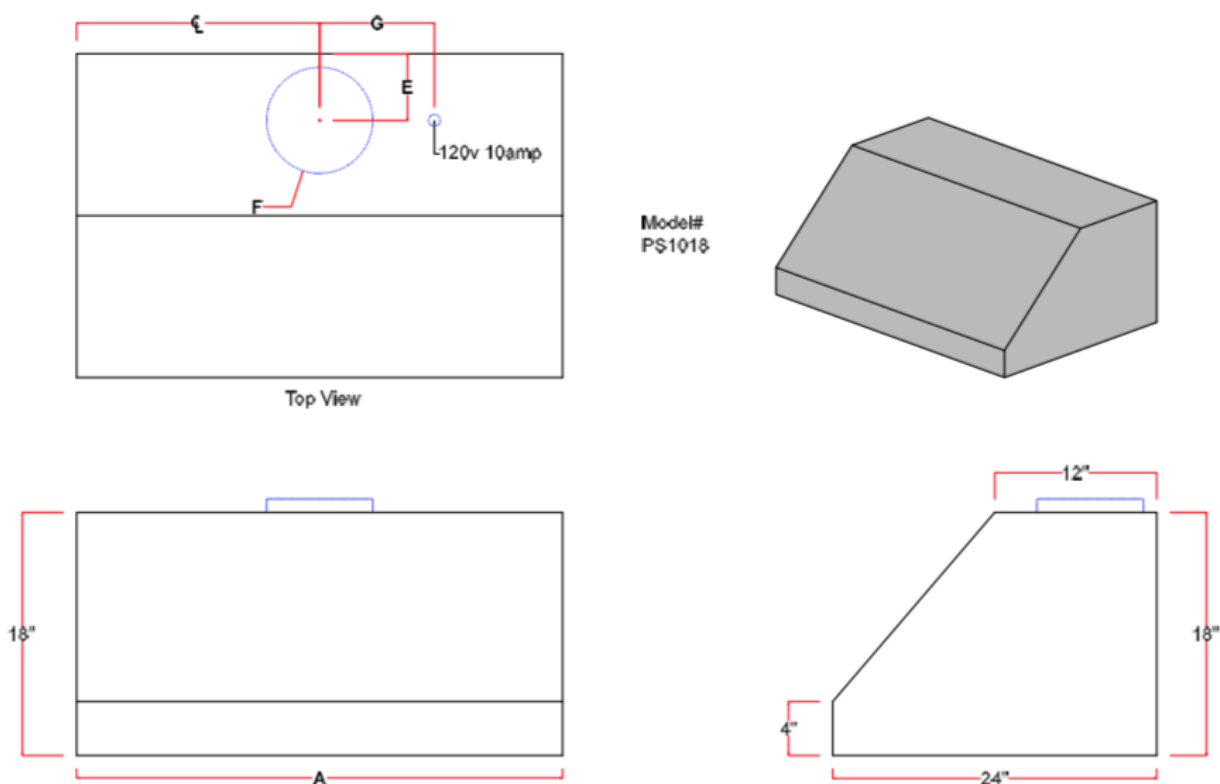
For best performance use as few elbows as possible, with no more than three 90° elbows. Include at least 18" straight from the transition piece before using an elbow in the duct and make sure there is at least 24" of straight vent between any elbows.

Use or duct tape or HVAC tape to seal all joints in the vent system. Use caulking to seal exterior openings around the cap. Always use metal HVAC ducting for maximum airflow. Always keep the duct clean to ensure proper airflow.

Before Installation

Electrical

Power should be a 120 VAC cable from the service panel. All the different power packs use a 10amp circuit. Unless more than one blower system is required. The location of the electrical is designated by the model. All custom drawings show the location of the electrical and the requirement. Here's an example:



Installation

Removing the Blower Before Installation

The hoods come with the blowers installed and they need to be removed, and a collar plate on some models, before the hood is mounted to the wall or the ceiling. Lay the hood on it's back carefully, to help facilitate the removal of the blower. The process is shown below:



1. Lay the hood flat on it's back



2. Pinch both sides to remove wiring



3. Loosen nuts (do not remove) with 11/32 socket: 4 nuts on IN600 and 6 nuts on IN1200

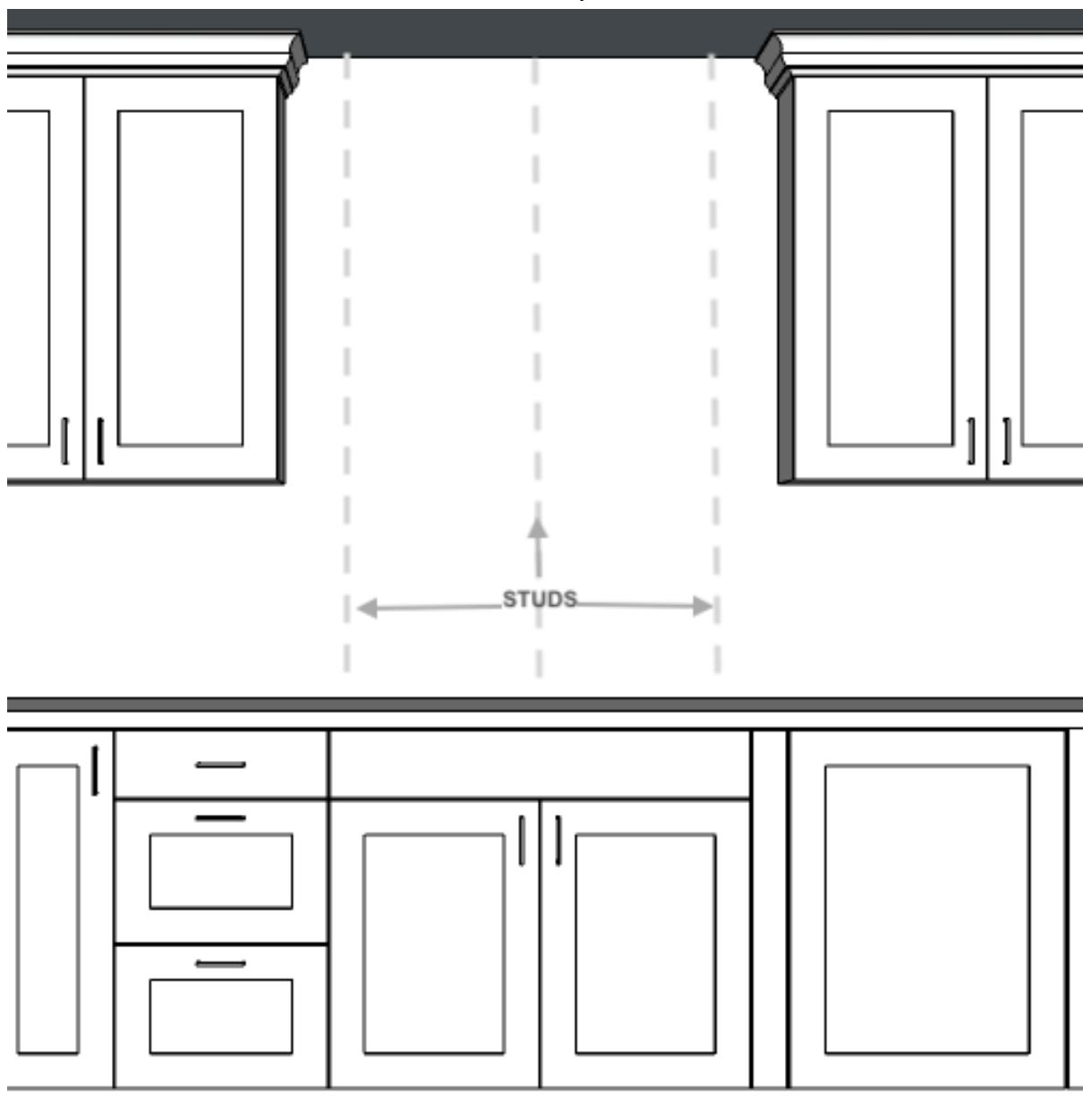


4. Push motors forward and pull down

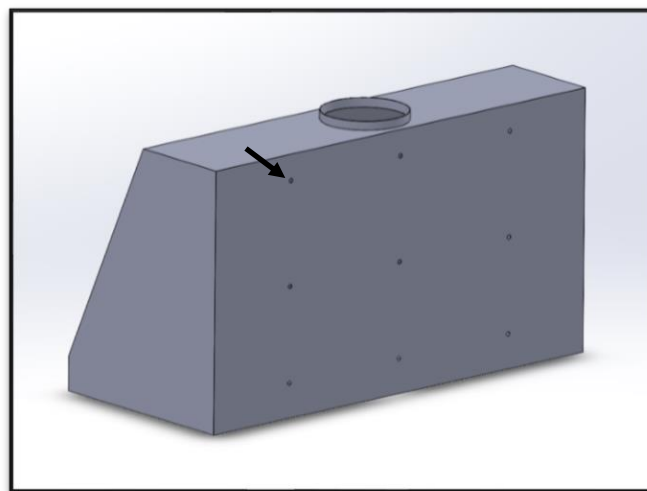
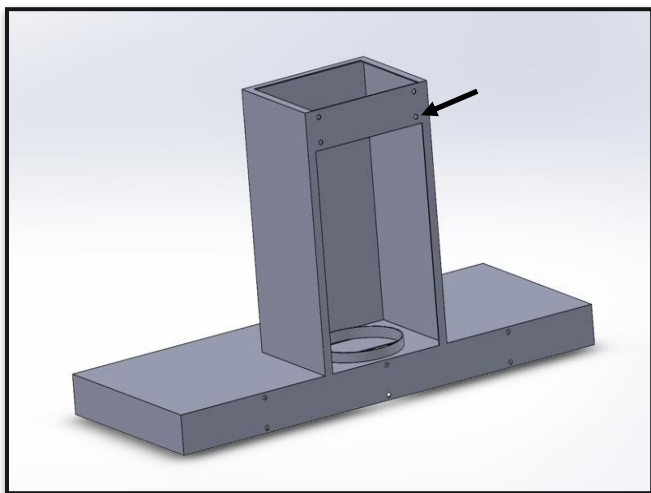
Wall Hood Mounting Information

Now that the blowers are removed, you're ready to mount the hood. Make sure that the ducting and electrical are in the proper locations before you continue with the installation of the hood.

1. Find the location of the studs (as shown by the arrows) on the wall and mark them. Use tape or anything that is erasable. You'll be screwing into the studs to mount the hood. Never mount onto drywall alone.



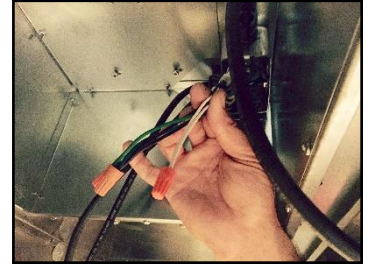
2. Mark on the back wall of the hood where you'll be drilling the holes for the screws that mount the hood (as shown by the arrows). It is recommended to lag into the wall at the highest and lowest points available. The quantity of holes depends on the size of the hood. Please call us if you have questions about this.



3. Use a 1/4" bit to drill the holes in the hood. We recommend a #10 2" long hex screws with fender washers to mount the hood. (not provided)
4. Lift the hood in place. **Do not try this without the proper equipment.** Connect the hood collar with the ducting and run the wiring through the electrical opening on the hood. Use aluminum tape on the exterior or interior of the duct to seal it to the collar. Do not use regular duct tape because it will not work and it does not meet code. Use a level to make sure the hood is straight. Make sure the holes line up with the studs and put in the screws.

Electrical Connection

1. Open junction box and connect the wires.
 - a. Black – power into hood
 - b. White – neutral
 - c. Green – ground
 - d. Red – switch leg (included if setup for remote blower)



2. After connecting, close junction box



3. Lift motors into place



4. Tighten nuts: 4 nuts for IN600 and 6 nuts for IN1200



5. Push connector back onto blower(s) until it clicks into place

