

POWER UNIT INSTALLATION INSTRUCTIONS

MODEL HC130 MODEL HC200
MODEL HC240 MODEL HC300

KITCHEN-AIRE[®]
BY **Hoffco, Inc.**

1. Make sure the power is turned off at the fuse or breaker box.
2. Run the exhaust duct and the power supply wire into the opening above the liner.
3. Remove the aluminum grease filter after unscrewing the two wing nuts that hold it in place.
4. Remove the two light lenses. Loosen (one full turn) but do not remove the screws that hold the lenses in place. The lenses will snap out without harm if you are careful. After you have loosened screws (one full turn), simply lift the middle of the lens using a pencil or other similar object causing the lens to bow up in the middle. Slide one end of the lens out from under the first screw and then the other end may be slid out from under the second screw. You will now have exposed the compartments that contain the light bulb sockets and the mounting holes that will be used to fasten the blower unit to the liner.
5. The two leads sticking out of the power access hole in the field wiring compartment must be pushed back into the wiring compartment before connecting them to the power supply. Remove the field wiring compartment cover located inside the fan compartment (two screws). Note the location of the power supply access hole in the field wiring compartment of the blower unit and match it up with and remove the knockout in the liner.
6. Remove the nuts from the four studs that are in the liner and lift the blower unit onto the studs in the liner and then replace the nuts on the studs that are now sticking into the light bulb compartments.

Important notes: 1. The power supply access hole in the blower and the knockout hole in the liner must line up.

2. Wires must not be trapped between the blower unit and the liner.

7. The switches will be along the front edge of the blower unit if it has been properly installed. Tighten all four nuts securely so as to prevent the unit from rattling or vibrating loose and falling.
8. Bring power supply cable to the field-wiring compartment and attach in accordance with all applicable electrical codes. Cable or conduit connectors must be used to protect the wires when running them through the access hole in the blower. There is a grounding clip in the field-wiring compartment.
9. Replace the field wiring compartment cover.
10. Dampers are not included as a part of the blower units, but they are available as Hoffco's part numbers HC240BD or HC130BD. If you desire to have a backdraft damper, it should be installed immediately on the blower unit before the ductwork is connected.
11. Model HC130 housing is pre-punched for top discharge. The field installer must do preparation of the discharge opening. The connection directly to the blower housing is 3 ¼" X 10", and the appropriate tabs must be freed up and bent out to form a connection for ductwork. If a backdraft damper ***is used***, the tabs must be completely removed from the appropriate opening in the blower housing. Then the damper must be correctly positioned on and fastened to the blower housing. The backdraft damper duct connection size is 3 ¼" X 10". **If you use a damper, make certain that it is unobstructed and works freely after the ductwork is connected. A stuck or inoperative damper will totally prevent your exhaust fan from performing its intended function.**
12. The HC240 has a 7" round discharge duct connection with top discharge only. **If you use a damper, make certain that it is unobstructed and works freely after the ductwork is connected. A stuck or inoperative damper will totally prevent your exhaust fan from performing its intended function.**
13. Continue the duct run to damper or blower unit, using duct tape on all joints to prevent leakage and rattling.
14. Install 40-watt "type A" tubular bulbs in each end of the blower unit. Replace the two lenses, snug up, but do not over-tighten the screws holding the lenses. Over-tightening will result in damage to the lens.
15. Replace the aluminum grease filter, and secure it with the two wing nuts supplied.

The unit is now ready to run. One switch controls the lights: the other controls the blower.



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www.hoffcoinc.com

SAFETY INSTRUCTIONS

MODEL...HC130 and MODEL...HC240

READ AND SAVE THESE INSTRUCTIONS

KITCHEN-AIRE[®]
BY **Hoffco, Inc.**

--WARNING--

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 ANY QUESTIONS, CONTACT THE MANUFACTURER.
- B. BEFORE SERVICING OR CLEANING UNIT, SWITCH POWER OFF AT SERVICE PANEL AND LOCK SERVICE PANEL 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.
- C. INSTALLATION WORK AND ELECTRICAL WIRING MUST BE DONE BY QUALIFIED PERSON (S) IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, INCLUDING FIRE RATED CONSTRUCTION.
- D. 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), AND THE AMERICAN SOCIETY FOR HEATING, REFRIGERATION, AND AIR CONDITIONING ENGINEERS (ASHRAE), AND THE LOCAL CODE AUTHORITIES.
- E. WHEN CUTTING OR DRILLING INTO WALL OR CEILING, DO NOT DAMAGE ELECTRICAL WIRING AND OTHER HIDDEN UTILITIES.
- F. DUCTED FANS MUST ALWAYS BE VENTED TO THE OUTDOORS.

THIS UNIT IS NOT INTENDED TO BE INSTALLED OVER A SHOWER OR TUB.

--CAUTION--

FOR GENERAL VENTILATION USE ONLY. DO NOT USE TO EXHAUST HAZARDOUS OR EXPLOSIVE MATERIALS AND OR VAPORS.

--WARNING--

TO REDUCE THE RISK OF A RANGE TOP GREASE FIRE:

- A. NEVER LEAVE SURFACE UNITS UNATTENDED AT HIGH SETTINGS. BOILOVERS CAUSE SMOKING AND GREASEY SPILLS THAT MAY IGNITE. HEAT OILS SLOWLY ON LOW OR MEDIUM SETTINGS.
- B. ALWAYS TURN HOOD ON WHEN COOKING AT HIGH HEAT OR WHEN COOKING FLAMING FOODS.
- C. CLEAN VENTILLATING FANS FREQUENTLY. GREASE SHOULD NOT BE ALLOWED TO ACCUMULATE ON FAN OR FILTER.
- D. USE PROPER PAN SIZE. 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:*

- A. **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.**
- B. **NEVER PICK UP A FLAMING PAN--YOU MAY BE BURNED.**
- C. **DO NOT USE WATER,** INCLUDING WET DISHCLOTHS OR TOWELS--A VIOLENT STEAM EXPLOSION WILL RESULT.
- D. USE AN EXTINGUISHER **ONLY** IF:
 - 1. YOU KNOW THAT YOU HAVE A CLASS ABC EXTINGUISHER AND YOU ALREADY KNOW HOW TO OPERATE IT.
 - 2. THE FIRE IS SMALL AND CONTAINED IN THE AREA WHERE IT STARTED.
 - 3. THE FIRE DEPARTMENT IS BEING CALLED.
 - 4. YOU CAN FIGHT THE FIRE WITH YOUR BACK TO AN EXIT.

*BASED ON "KITCHEN FIRE SAFETY TIPS" PUBLISHED BY NFPA.

--CAUTION--

TO REDUCE RISK OF FIRE AND TO PROPERLY EXHAUST AIR, BE SURE TO DUCT AIR OUTSIDE --DO NOT VENT EXHAUST AIR INTO SPACE WITHIN WALLS OR CEILINGS OR INTO ATTICS, CRAWL SPACES, OR GARAGES.

--WARNING--

TO REDUCE THE RISK OF FIRE, USE ONLY METAL DUCTWORK.

--WARNING--ON MODEL HC240

TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT USE THIS FAN WITH ANY SOLID STATE SPEED CONTROL DEVICE.