

INSTALLATION INSTRUCTIONS

Hy-Ex 1.0K & 1.4K Exterior Wall or Roof Mount Ventilator

PLEASE READ AND SAVE THESE INSTRUCTIONS

IMPORTANT: Save these instructions for the Local Electrical Inspector's use.

INSTALLER: Please leave these Installation Instructions with this unit for the owner

OWNER: Please retain these instructions for future reference.

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

1. Use this unit in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
2. Before installation, servicing or cleaning unit, switch power off at the 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.
3. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes including fire rated construction.
4. Sufficient air is needed for proper combustion and exhausting of gasses through the flue (chimney) or fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturers 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
5. When cutting or drilling into wall and ceiling, do not damage electrical wiring and other hidden utilities.
6. Ducted fans must always be vented to the outdoors.
7. To reduce the risk of fire, use only metal ductwork.

8. This fan should only be used with the fan speed control provided by ABBAKA for this model. The ventilator must be installed such that the exhaust discharge is 12" minimum from the ground level. However there may be some local codes that do not permit this type of installation. Heavy snowfall may prevent the damper from opening due to snow blockage. Installer should check local codes for outdoor wall installation.

Caution: For general ventilation use only. Do not use to exhaust hazardous or explosive materials and vapors.

Installation Tips

1. For lowest noise operation, place 1 elbow between the range hood and the ventilator. Install an optional ABBAKA Accoustical Duct Silencer.
2. Select an installation location that is free of obstacles such as heating and air conditioning ducts, stand pipes, electrical wiring, etc.
3. Position discharge of the ventilator downward and away from prevailing winds to minimize backdrafts.
4. For best appearance, locate the fan on the rear of the house, below the top of roof line.

Model Number: HYEX-1.0K/HYEX-1.4K

Maximum CFM: 1000 CFM/1400 CFM

Volts: 115VAC

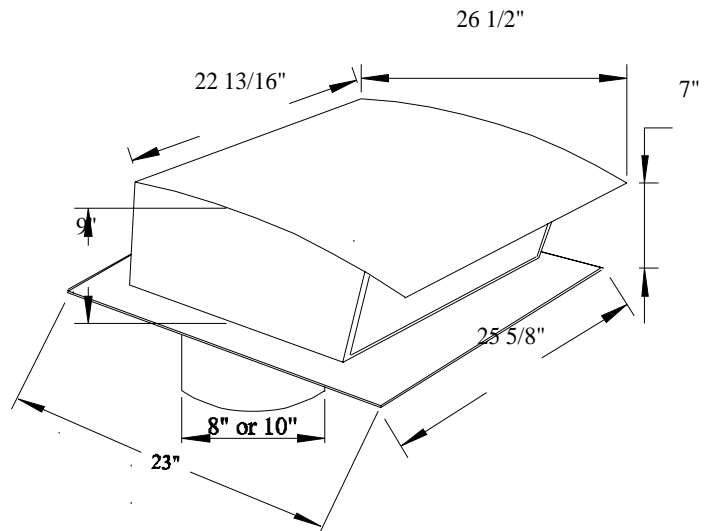
Hertz: 60 Hz

Amps: 3.3 Amps

Required Duct Size:

HYEX-1.0K: 8" Round (51 sq. in. equivalent)

HYEX-1.4K: 10" Round (80" sq. in. equivalent)

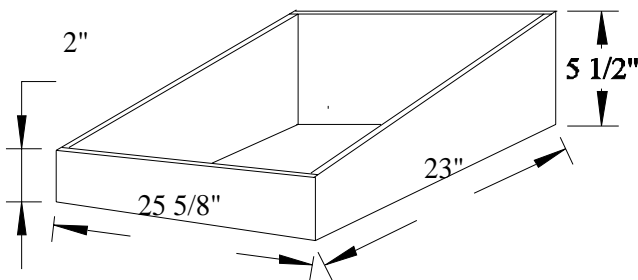


PREPARE LOCATION & INSTALL VENTILATOR

Flat or Low Slope Roof

1. For flat roofs or roofs having a pitch less than 1 1/2" rise in 12, mount ventilator on roof curb. See Figure 1.

Figure 1

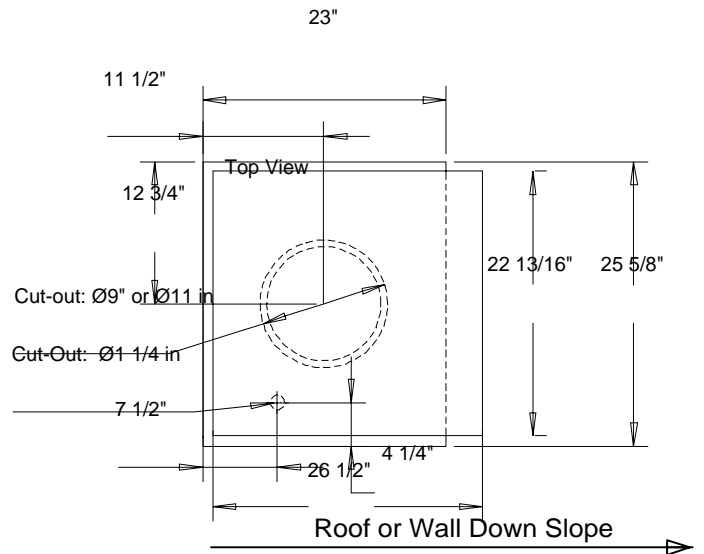


2. Install the ventilator with discharge pointing down slope and away from prevailing winds.
3. Use flashing and roofing mastic to seal the unit to prevent leaks.
4. Cut holes for ducting and electrical wiring as shown in Figure 2

Typical Roof Mount

1. Center the duct cutout between roof rafters.
2. Install the ventilator so its discharge is down slope and away from prevailing winds. According to the Standard Roofing Procedures: (shingles must cover rear flashing flange and a minimum of 1' of the side flanges. The flashing on the discharge side of the ventilator must rest on top of the shingles.
3. The ventilator must be sealed between the roof and its underside with quality roofing mastic.

Figure 2



ELECTRICAL CONNECTIONS

WARNING: Turn off power at the service box before wiring.

1. Power supply for the ventilator is 115V AC 60 Hz. See page 2 for specifications.
2. Run electrical cable between the ventilator and the range hood or ventilator and wall switch. See Figure 3
3. Remove top enclosure of the ventilator for access to the wiring terminal block.
4. Push the electrical cable up through the bottom knock out of the ventilator body. Pull enough wire up into the housing to make attachment to the terminal block.
5. Connect white to "NEU", green to "GND" and red speed control wire to "LINE". See Figure 4.

Figure 3

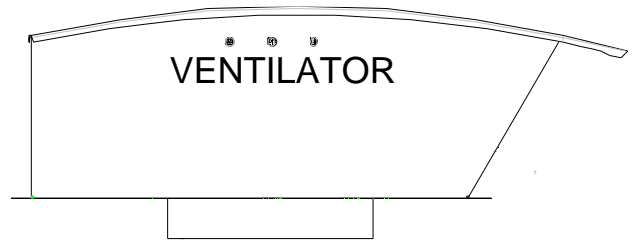
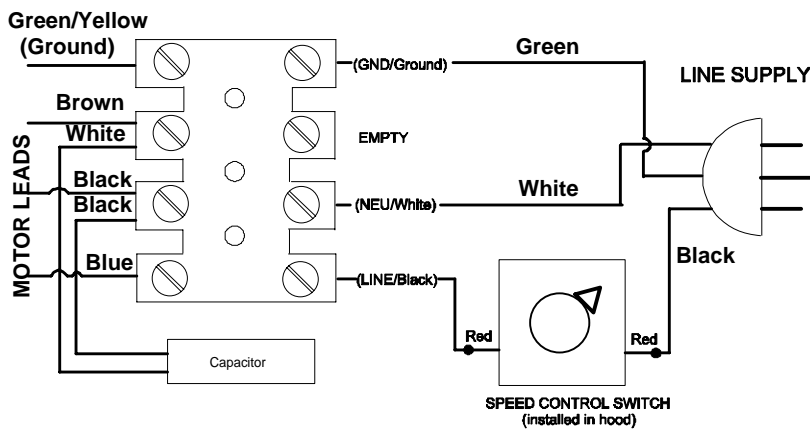


Figure 4



DUCT CONNECTIONS

WARNING: To reduce risk of fire, use only metal ductwork.

1. Use only round metal duct, elbows and transitions; or rectangular ducting having equivalent area of square inches as per required duct size.
2. Tape all joints with duct tape.
3. Turn on power and check ventilator operation.
4. Make sure damper opens and closes freely.

115 Volt 60 Hz
Power Supply

