

PRESTIGE[®]

Installation Manual

RB Model

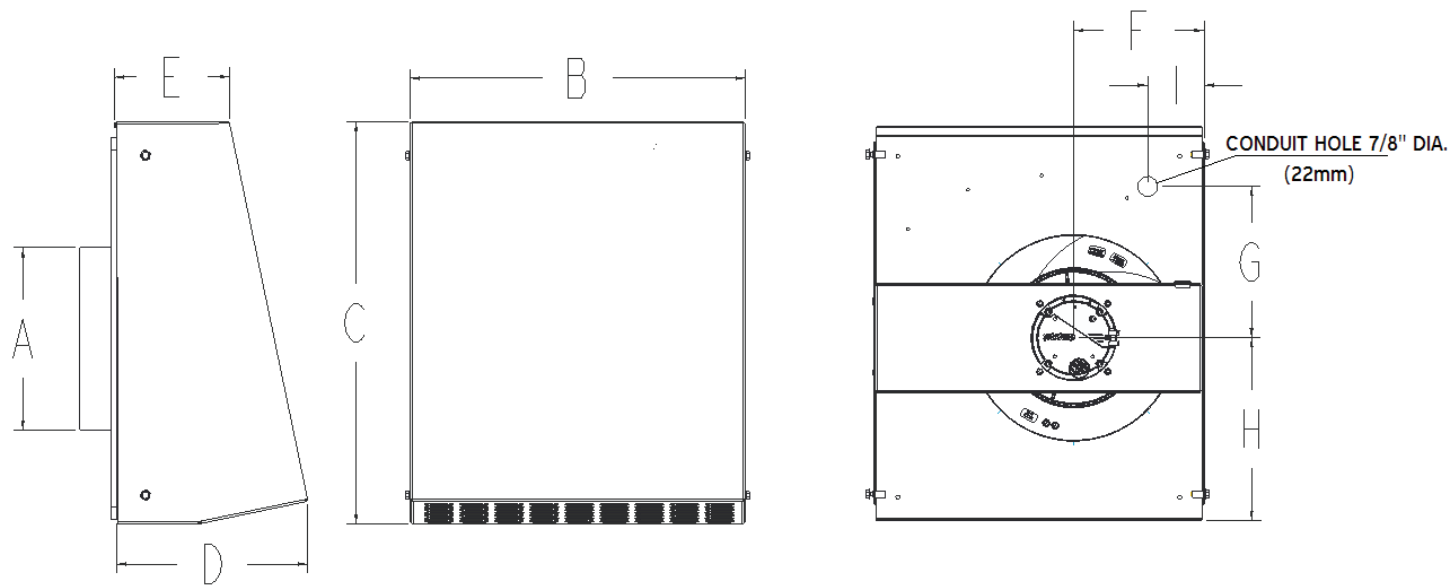
Exterior Remote Blower



Prestige-America
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Pine Brook, NJ 07058
800.358.8886



Dimensions



Model/Modèle/Modelo	A	B	C	D	E	F	G	H	I
RB700-10	10	17 7/8	21 1/4	10	5 7/8	8 1/8	8 1/16	9 1/8	2 3/4
RB1000-10	10	17 7/8	21 1/4	10	5 7/8	8 1/8	8 1/16	9 1/8	2 3/4
RB1200-10	10	17 7/8	21 1/4	10	5 7/8	8 1/8	8 1/16	9 1/8	2 3/4

Dimensional information is in inches

WARNINGS

Do not connect power supply until fan is completely installed. Make sure electrical service to the fan is locked in "off" position.

1. Remove unit from packaging and inspect within 15 days after receipt. If damaged, report damage to carrier. Do NOT operate this unit with visible damage to the blower or impeller assembly
2. All products with A/C motors installed are suitable for use with solid state speed control.
3. This unit has rotating parts and safety precautions should be exercised during installation, operation and maintenance.
4. CAUTION: "For General Ventilation Use Only. Do Not Use To Exhaust Hazardous Or Explosive Materials and Vapors."
5. 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 questions, contact the manufacturer.
 - b. Before servicing or cleaning, switch power off at the service panel and lock service panel to prevent fan from being switched on accidentally.
 - 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 flow 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 guidelines and safety standards such as those published by the National Fire Protection Association (NFPA), the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE) and the local code authorities.
 - e. When cutting or drilling into a wall or ceiling, do not damage electrical wires or other hidden utilities.
 - f. Ducted fans must always be vented to the outdoors.
 - g. Install fan at least five feet above the floor.
 - h. NEVER place a switch where it can be reached from a tub or shower.
6. WARNING! Check voltage at the fan to see if it corresponds to the motor nameplate.
7. Guards must be installed when this fan is within reach of personnel or within seven (7) feet of working level or when deemed advisable for safety.

Fan installation

Step 1

When selecting the fan mounting location, the following criteria should be considered: a) type of application; b) proximity to fresh air intakes; c) sound created by fan operation.

Select the location on the exterior wall where the fan is to be mounted. Make a hole through the wall that is 1/2" larger than the diameter of the fan duct connection collar. A short piece of rigid duct (not included) approximately 2" longer than the wall thickness is recommended for use as an extension through the wall.

Step 2

Remove the four screws securing the white fan discharge cover and remove the cover. Place the fan against the wall, as centered as possible on the wall opening, then mark the location of the four backplate mounting holes and the electrical knockout. Drill a hole for the electrical service that is 1/8" larger than the size of conduit to be used. A 1" diameter electrical service opening is provided on the fan backplate (see dimensional drawing on Page 1). When mounting the fan on a masonry wall, drill 7/32" holes for the four anchors and mounting screws (provided). Tap the anchors flush into the holes. When mounting the fan on a wood surface, wood screws should be used.



If the fan is to be mounted on a wall surface which is Lapped Siding, a mounting frame made from 1x1 board may be necessary for a flush fit (see I-2).

Step 3

Before mounting the fan, bring the electrical supply through the wall. Attach the extension collar to the fan duct connection collar. The connection should be as air tight as possible to prevent leakage from the wall cavity. Apply a generous amount of polyurethane caulk to the exterior side of the fan housing backplate (except the bottom so that water that leaked in can drain back out). This will ensure an airtight/waterproof connection between the fan and the wall surface. If a mounting frame is used in conjunction with lapped siding, be certain to apply a generous amount of caulk between the frame and the wall as well as the fan backplate and the frame. Mount the fan to the wall.



Be certain to make an airtight seal around all interior wall penetrations before attaching duct work.

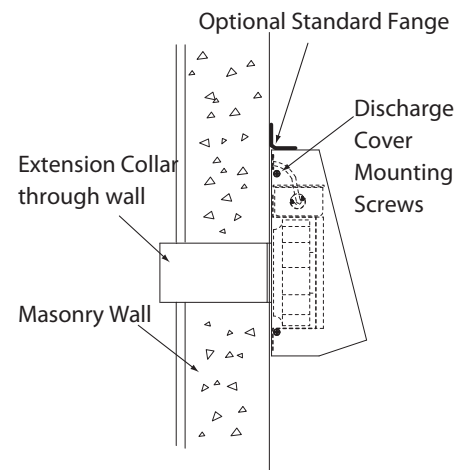


Figure 1

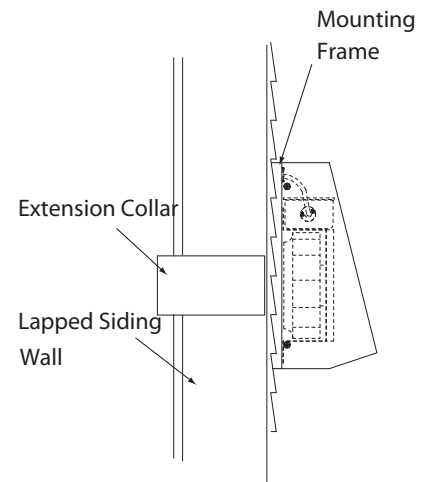


Figure 2

Wiring Instructions

Step 1.

Remove the screws securing the terminal box cover plate. The wiring compartment will be located out of the air stream on the back side of the scroll.

Except for the supply power installation, no additional field wiring is necessary.

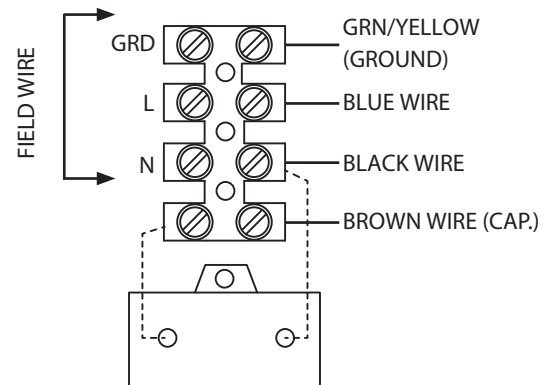
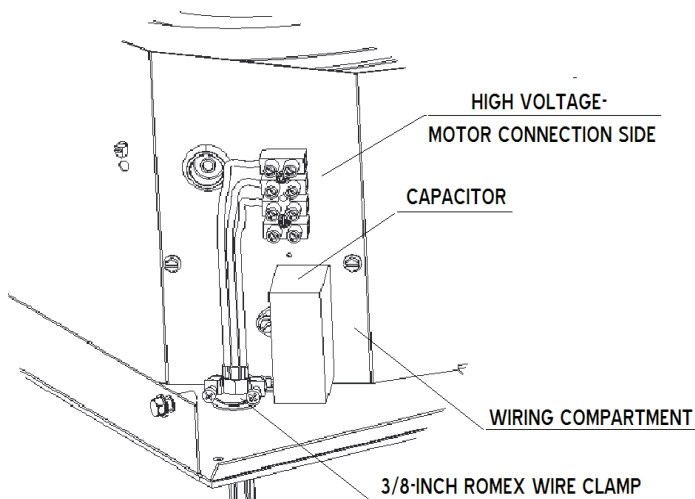
Step 2.

A 3/8-inch romex cable clamp (not supplied) is needed to secure the incoming power supply to the exhaust fan (see illustration on figure below). Begin by installing the romex cable through the conduit hole as shown below. Thread the nut on the connector until firmly tight. Route the power supply cable through the romex clamp. The field wiring locations are indicated below and are labeled

'L' for line voltage (black wire), 'N' for neutral (white wire), and GND for ground (green wire). Firmly secure each incoming wire to the proper terminal post using a small flat head screw driver. CAUTION- maximum terminal block screw torque is 7lb-in (0.79 Nm).

Step 3.

Secure the power cable by tightening the romex clamp and replace the fan terminal box cover.



Note: Capacitor wires are non-directional