

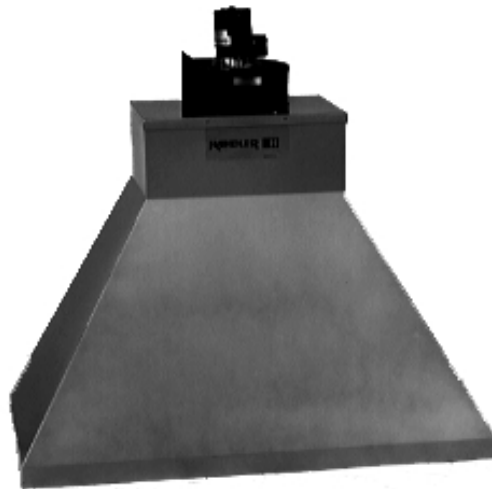
**236**  
**FUME HOOD**

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IMPORTANT INSTRUCTIONS

DO NOT DISCARD

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**BUILDING QUALITY PRODUCTS AT AFFORDABLE PRICES SINCE 1920**

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## **FUME HOOD INSTRUCTIONS:**

Thank you for purchasing a Handler Fume Hood.

**PLEASE READ ALL INSTRUCTIONS FULLY BEFORE INSTALLING YOUR FUME HOOD.**

**UNPACKING:** Open the crate and remove all packaging materials. Check to make certain any additional products which may have been included with the shipment are present in the packaging. Inspect the Hood for possible damage which may have occurred during transit. If damage is evident, contact the freight forwarder, immediately. Failure to contact the freight forwarder within 5 days of receipt of a product, will nullify your ability to claim transit damage.

Notify your distributor and/or Handler Manufacturing of the possible damage. However, the receiver of the goods must file an immediate and proper claim.

Keep all packaging and crating materials for inspection by the forwarder's representative.

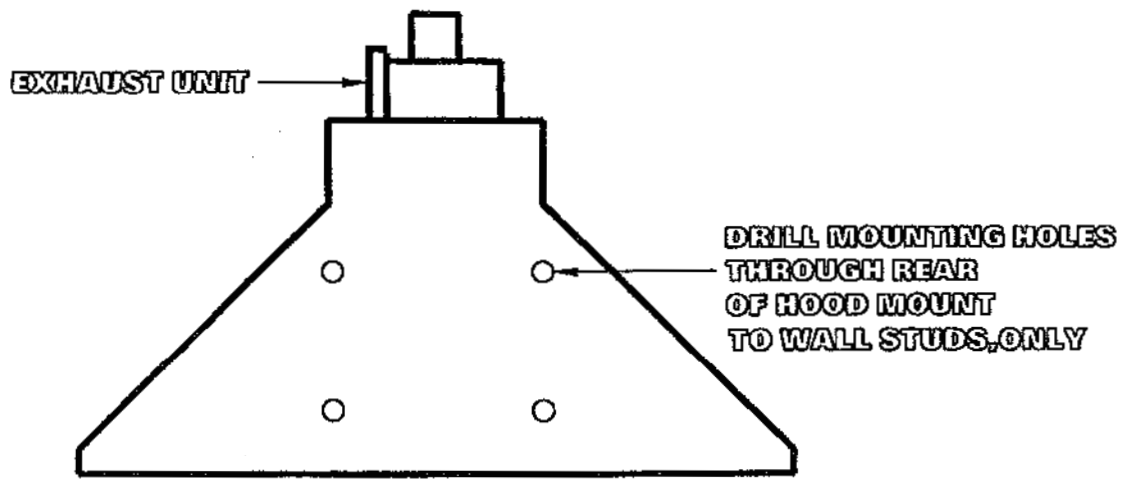
**SET UP:** Your 236FH-1 and 2 Fume Hood was designed to function on standard 115 Volt/ 60 cycle current. It must be wired and installed by a licensed electrical contractor or certified contractor.

The Fume Hood should be positioned over the area to be serviced by the Hood. It should be mounted as close to the source of fumes and odors as possible. However, proper access to the work area must, also, be maintained.

We recommend the fume hood is wired to a standard 115 Volt/ 60 cycle electrical source. A compatible switch should be mounted on a wall as close to the hood as necessary to allow for the convenient ON/OFF operation of the Hood. The Suction Unit draws 2.5 amps while running. Make certain the electrical contractor connects the hood to a proper electrical circuit. Make certain the hood is properly installed and grounded.

**MOUNTING :** The 236FH Fume Hood must be installed on a Sturdy, stable wall. We have placed two "key hole" mounting holes 16" on center in the rear plate of the hood. However, these holes may not line up with the supporting wall studs. Therefore, it will be necessary for your contractor to drill holes through the rear flat inside surface of your fume hood in the location of the wall studs.

We suggest a minimum of four ¼ " or larger lag bolts with washers are used for this procedure. Two should be placed toward the top inside of the hood, and two directly underneath the upper two lag bolts in the lower section of the Hood. Please see diagram, below.



### REAR

After mounting the hood to the wall, and checking the electrical installation, connect the outlet on the top suction unit to a round or square metal or PVC exhaust duct. We recommend the exhaust duct have a minimum diameter of 5" in diameter or 5" square.

Have your contractor connect a sheet metal transition piece to the exhaust outlet on the suction unit on the top of the hood. Connect the transition to an exhaust duct as suggested, above. Vent the exhaust duct through a convenient wall, window or the ceiling. Do Not allow the exhaust duct to have a total distance of 10 feet in length or more.

Terminate the exhaust duct with a proper louvered shutter (which is easily opened) or a similar rain tight termination. If venting the exhaust to the roof, make certain the duct terminates in a proper hooded cover to prevent rain and the elements from entering your facility.

If the length of the exhaust duct will be more than 10 feet, a 235FH-B in line booster duct fan must be used to provide proper air flow. Handler carries these units in 5" and 6" diameter sizes. Please call for pricing.

Remember to turn the exhaust fan ON when it is required. Leaving the exhaust fan ON when it is not required may result in heated air or cooled air exhausted from the room.

Should you have questions regarding the installation, please consult your licensed contractor, your distributor or Handler Manufacturing.

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### **BOOSTER, DUCT, 6 IN, 30 W**

Axial Fan Duct Booster, Duct Diameter 6 Inches, Straight Length 25/50/75 Feet, Length 6 1/2 Inches, Air Flow @ Duct 150/100/90 CFM, Power Rating 30 Watts, Current Rating 0.40 Ampere, Air Flow @ 0.000 Inch Static Pressure 180 CFM, 120 Volts

### **Additional Info**

#### **Axial Fan Blade Duct Boosters(R)**

Designed for powered air intake and exhaust systems, or to boost air flow in hard-to-heat or cool areas.

Easy to install in metal and flex duct. Galvanized steel housing with built-in duct stop on the inlet and crimped edge on the outlet. Optional speed control No. 4YC44 can be used on 6, 8, and 10" units only.

- External junction box for easy wiring
- Maximum operating temperature is 150 DegreeF
- Use in both vertical and horizontal duct runs