

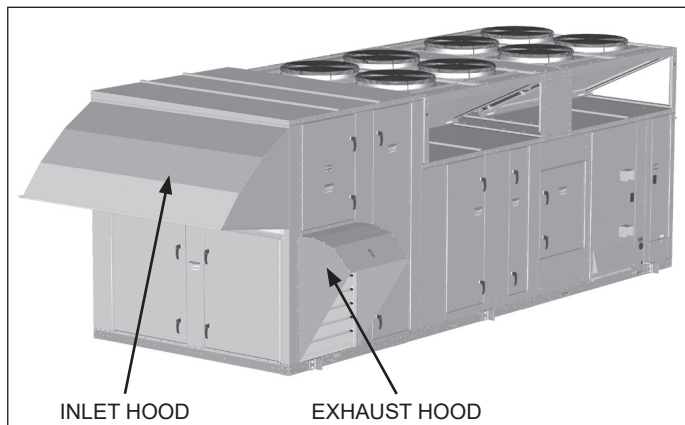
## INSTALLATION INSTRUCTIONS

### Inlet and/or Exhaust Rainhood Accessories

### Packaged Ventilation/Dedicated Outside Air System (DOAS)

### models DLV and EWM

#### Inlet and Exhaust Hood Example (D-Cabinet Shown)



## CAUTION

As with any mechanical equipment, personal injury can result from contact with sharp sheet metal edges. Be careful when you handle this equipment.

## IMPORTANT

1. The use of this manual is specifically intended for a qualified installation and service agency. All installation and service of these kits must be performed by a qualified installation and service agency.
2. These instructions must also be used in conjunction with the Installation and Service Manual originally shipped with the appliance, in addition to any other accompanying component supplier literature.

#### Application

Rainhood accessories are designed to prevent precipitation and debris from entering the inlet air opening on the unit. If the unit is equipped with exhaust (non-energy recovery, energy recovery, or barometric relief dampers), exhaust hood(s) are also required to protect the exhaust air openings.

Inlet hoods, and if applicable, some exhaust hoods are shipped separate from the unit, as a field assembled and installed kit, to prevent shipping damage. Some exhaust hoods are factory installed. To determine the hoods required, quantity, and whether factory or field installed, refer to Table 1.1.

**Table 1.1 - Inlet/Exhaust Hood Quantity**

Unit Configuration (Model Digit 7)	Cabinet Size (Model Digit 6)	Hood Quantity		
		Inlet	Exhaust	
		Field Installed	Factory Installed	Field Installed
A or D	B, C, or D	1	-	-
B or E	B or C ①	1	1	-
	D	1	-	1
C or F	B or C	1	1	-
	D	N/A	N/A	N/A
R	B	1	1	-
	C (up to 6000 CFM)	1	1	-
	C (over 6000 CFM)	1	1	1
	D (up to 6000 CFM)	1	-	1
	D (over 6000 CFM)	1	-	2

① For C-Cabinet, hood is installed on the energy recovery module inlet.

#### Accessory Kit Components

The following parts ship loose in the kit:

- Hood left side panel
- Hood right side panel
- Hood top panel
- Hood gutter brackets (inlet hoods only)
- 1/4" x 3/4" TEK screws
- Gasketing and/or caulk

THIS MANUAL IS THE PROPERTY OF THE OWNER.  
PLEASE BE SURE TO LEAVE IT WITH THE OWNER WHEN YOU LEAVE THE JOB.

# INLET AND EXHAUST HOOD ASSEMBLY / INSTALLATION

## Assembly & Installation Instructions

The following instructions describe the process of installing the hood on the inlet of either the model DLV unit or for C-cabinet model EWM energy recovery module. All pictures show the hood installation on the model DLV unit, but the installation is the same for the model EWM unit.

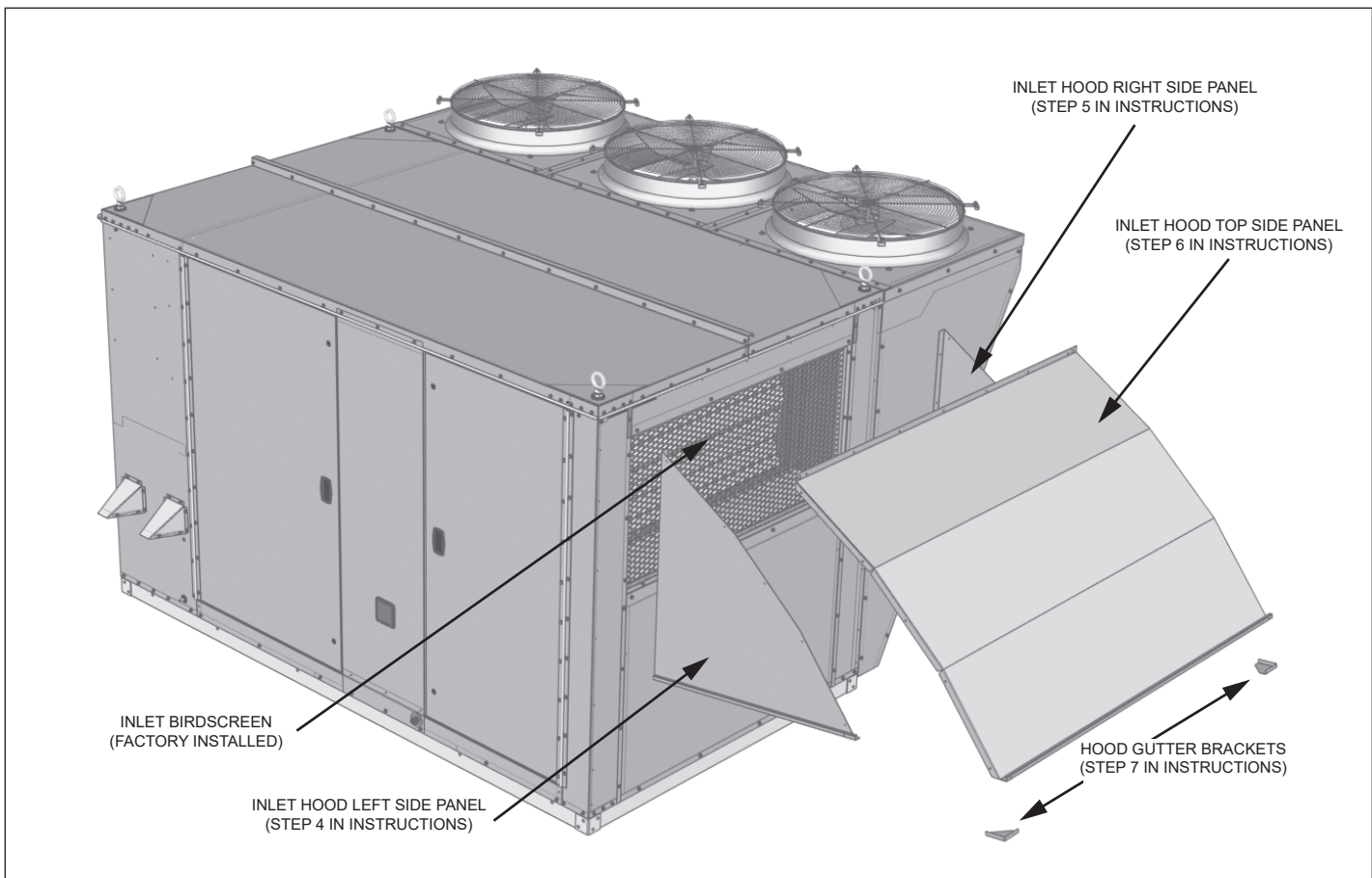
1. Inspect the hood kit components and check dimensions to be sure the correct accessory is being installed. See page 3 for assembled hood dimensions.
2. To avoid damage when lifting the unit, install the hood after the unit is installed.
3. To prevent water entrainment, allow a minimum of 12" clearance from the bottom of the hood inlet. Where possible, the unit should be installed so that the inlet is not facing into the prevailing wind.
4. Install the inlet hood left side panel. Refer to Figure 2.1. Caulk the flange that mounts to the unit. Line up the pre-drilled mounting holes in the side panel to the holes on the inlet panel of the unit. Note the orientation of the side panel mounting flange (inward toward inlet opening). Screw the panel in place using the screws provided.
5. Repeat step 4 for the inlet hood right side panel.
6. Install the inlet hood top panel. Caulk the flange that mounts to the unit and also the inside of the flanges that

mount to the installed inlet hood side panels (from steps 4 and 5). Line up the pre-drilled holes to the holes on the inlet panel of the unit. Note that the side panels installed in steps 4 and 5 are to be on the inside edge of the flanges on the inlet hood top panel. Screw the top panel to the unit using the screws provided. Screw the top panel to the left side panel with the screws provided. Repeat for the right side.

7. Install the hood gutter brackets. Caulk the bottom corner intersection of the side and top panel to seal off the hood gutter. Place bracket underneath the hood and secure the bracket to the side and top hood panels with the screws provided. Refer to Figure 2.1.
8. Inspect the finished installation and caulk any gaps that may exist between the top panel and sides.

If the unit includes exhaust (Digit 7=B, C, E, F, or R), exhaust hood(s) may need to be installed. Refer to Table 1.1 for quantity required and if factory or field installed. Installation is similar to steps 1 through 8 indicated for the inlet hood. Refer to Figure 3.2 for D-Cabinet Energy Recovery Exhaust Hood(s) or Figure 3.3 for Barometric Relief Damper Module Exhaust Hood(s).

**Figure 2.1 - Inlet Hood Assembly (C-Cabinet Shown for Reference)**



# INLET AND EXHAUST HOOD DIMENSIONS

Figure 3.1 - Inlet Hood Dimensions for All Cabinet Sizes (inches)

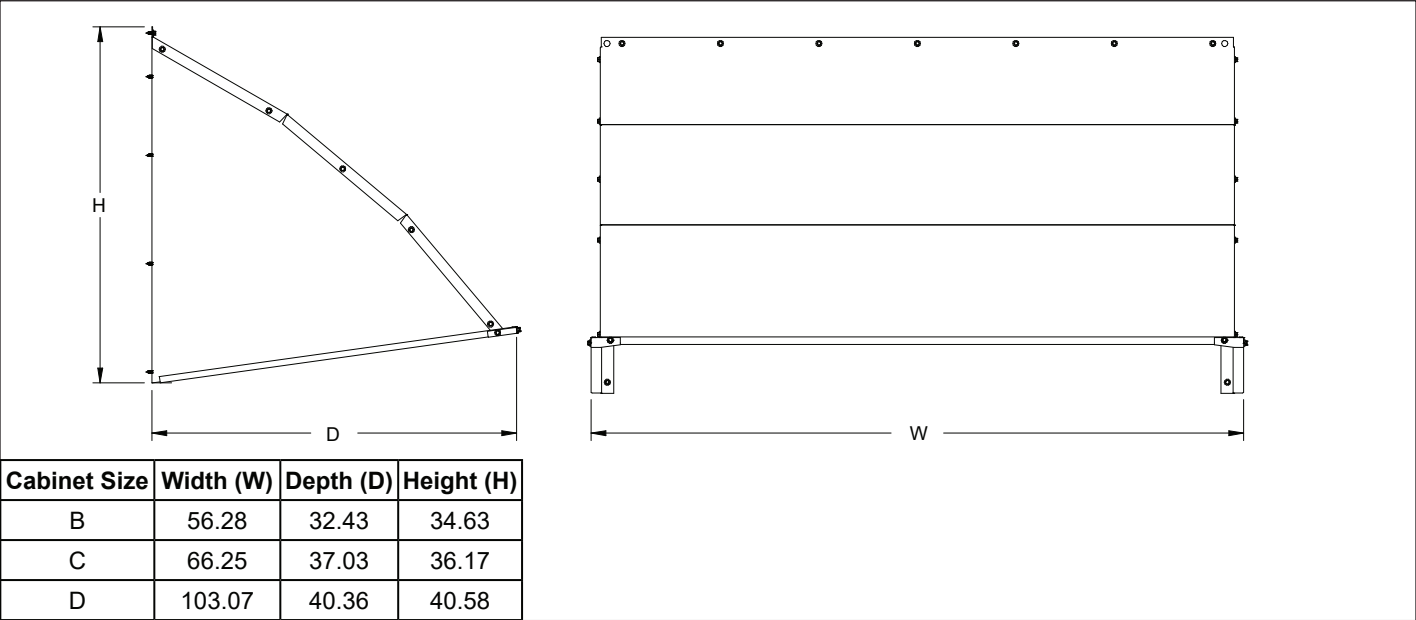


Figure 3.2 - Exhaust Hood Dimensions for D-Cabinet Size Energy Recovery Exhaust (inches)

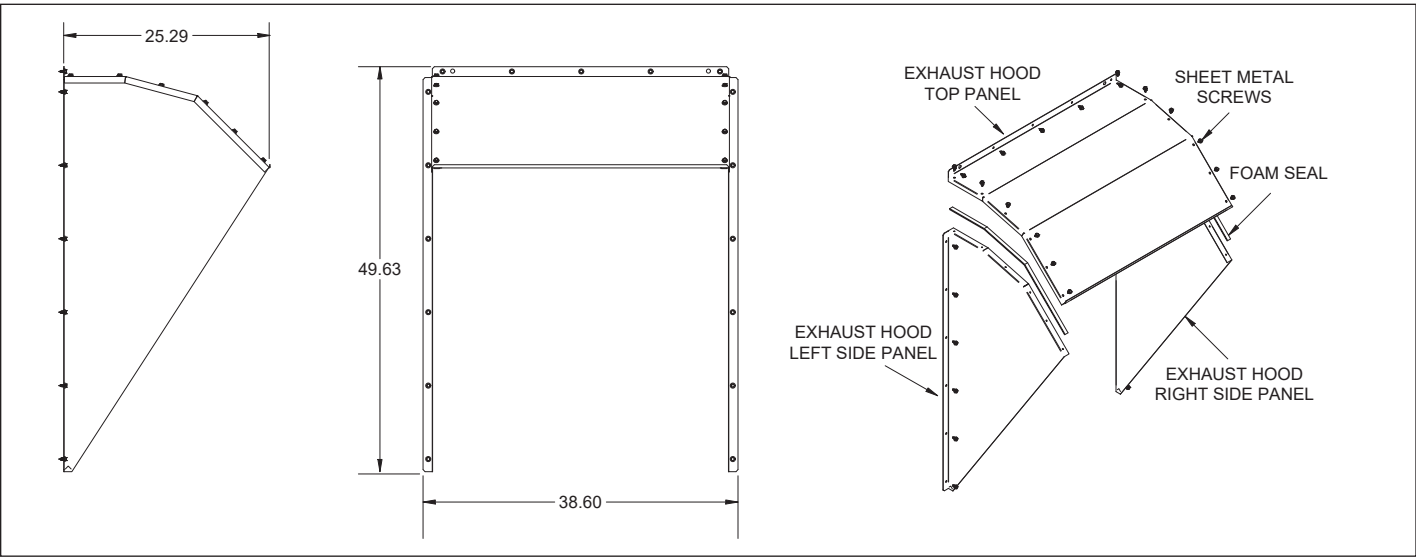
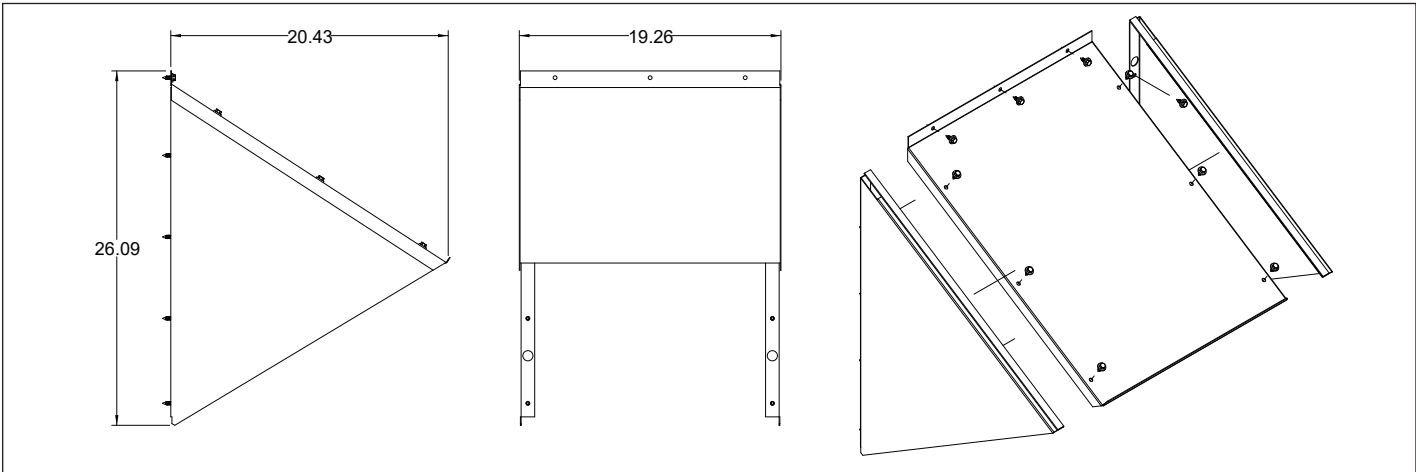


Figure 3.3 - Exhaust Hood Dimensions for Barometric Relief Dampers for All Cabinet Sizes (inches)



Lennox Industries, Inc. has a continuous product improvement program and reserves the right to change design and specifications without notice.

**Lennox Industries, Inc.** • P.O. Box 799900 • Dallas, TX 75379-9900 • Phone: 1.800.4LENNOX (1.800.453.6669)  
[www.lennoxcommercial.com](http://www.lennoxcommercial.com)