

# PTAC DUCT KIT

## INSTALLATION INSTRUCTIONS

*Extends air distribution to an adjoining room*



### WARNING

ONLY PERSONNEL THAT HAVE BEEN TRAINED TO INSTALL, ADJUST, SERVICE, MAINTENANCE OR REPAIR (HEREINAFTER, "SERVICE") THE EQUIPMENT SPECIFIED IN THIS MANUAL SHOULD SERVICE THE EQUIPMENT. THE MANUFACTURER WILL NOT BE RESPONSIBLE FOR ANY INJURY OR PROPERTY DAMAGE ARISING FROM IMPROPER SERVICE OR SERVICE PROCEDURES. IF YOU SERVICE THIS UNIT, YOU ASSUME RESPONSIBILITY FOR ANY INJURY OR PROPERTY DAMAGE WHICH MAY RESULT. IN ADDITION, IN JURISDICTIONS THAT REQUIRE ONE OR MORE LICENSES TO SERVICE THE EQUIPMENT SPECIFIED IN THIS MANUAL, ONLY LICENSED PERSONNEL SHOULD SERVICE THE EQUIPMENT. IMPROPER INSTALLATION, ADJUSTMENT, SERVICING, MAINTENANCE OR REPAIR OF THE EQUIPMENT SPECIFIED IN THIS MANUAL, OR ATTEMPTING TO INSTALL, ADJUST, SERVICE OR REPAIR THE EQUIPMENT SPECIFIED IN THIS MANUAL WITHOUT PROPER TRAINING MAY RESULT IN PRODUCT DAMAGE, PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.

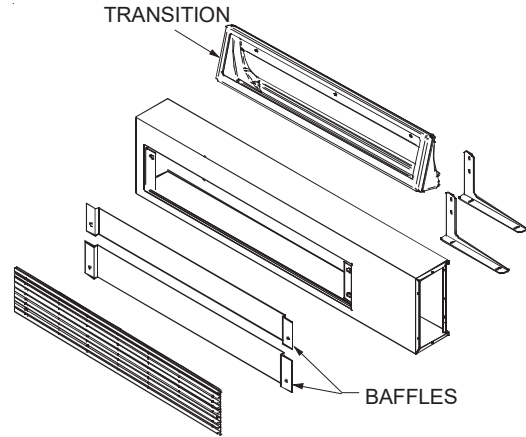


### WARNING

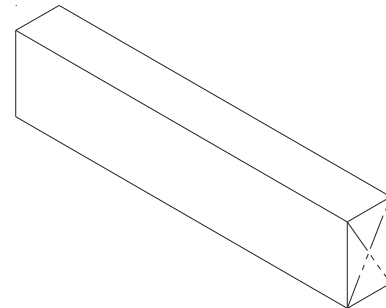
DO NOT BYPASS SAFETY DEVICES

### Kit Contents

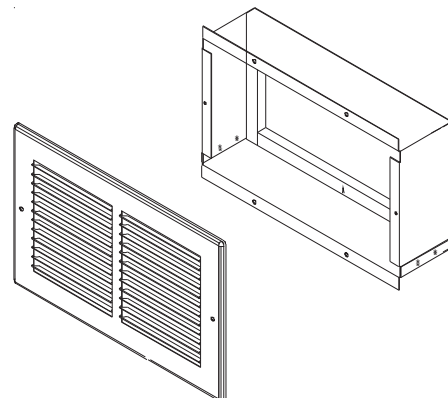
The kit consists of a main duct for the room of origin and an extension duct to reach the adjoining room, and terminal duct. **NOTE:** All required hardware is provided within kit.



Main Duct Kit



Extension Duct Kit



Terminal Duct Kit

IOA-7004A  
02/2023

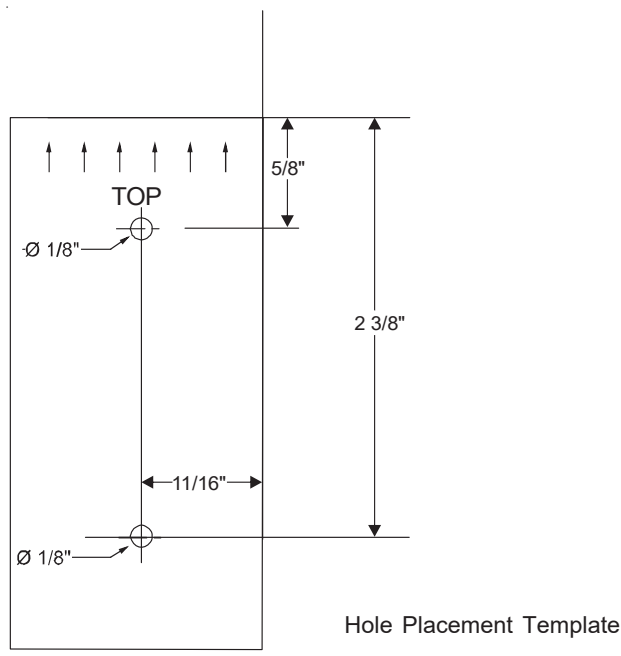
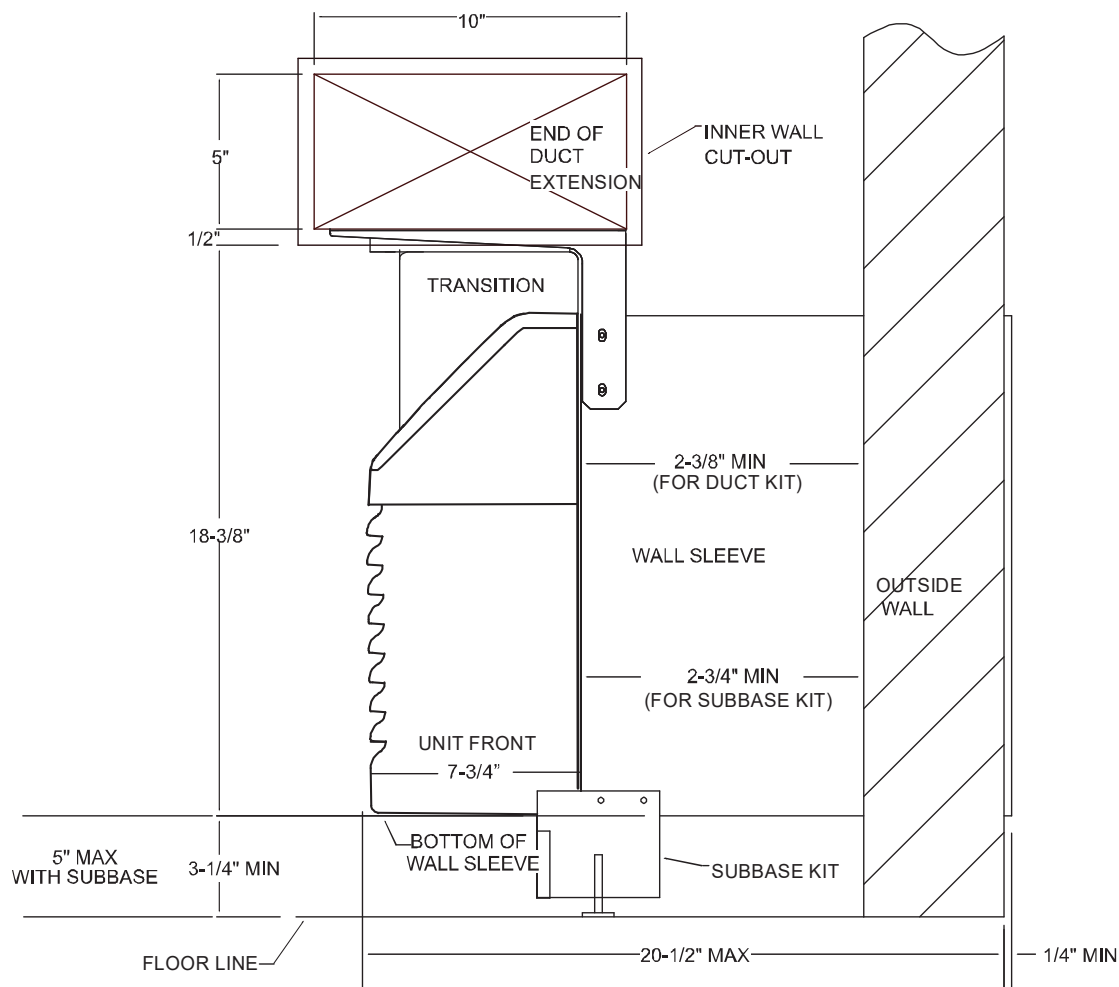


is a registered trademark of Maytag Corporation or its related companies and is used under license.  
All rights reserved.

19001 Kermier Rd • Waller, TX 77484 • [www.amana-ptac.com](http://www.amana-ptac.com)  
© 2022-2023 Daikin Comfort Technologies Manufacturing, L.P.



INSTALLATION DIMENSIONS



## MDK INSTALLATION INSTRUCTIONS



### WARNING

#### HIGH VOLTAGE

DISCONNECT ALL POWER BEFORE SERVICING OR INSTALLING THIS UNIT. MULTIPLE POWER SOURCES MAY BE PRESENT. FAILURE TO DO SO MAY CAUSE PROPERTY DAMAGE, PERSONAL INJURY OR DEATH.



Disconnect power source before removing the chassis.

#### PRE-ASSEMBLY [TRANSITION/FRONT]

1. If the cabinet front is secured with a screw, remove the screw. See Figure 1.

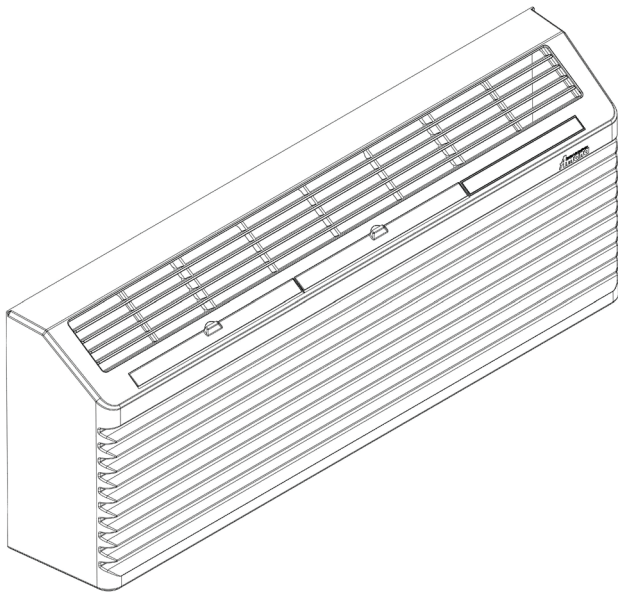


Figure 1

2. Remove cabinet front from chassis by pulling the bottom of the cabinet front away from the chassis until the retaining clips disengage. Lift the cabinet off the chassis.

**NOTE:** To facilitate filter removal after transition is installed, reverse the filters in front so that the filter grip is to the outside, as seen in Figure 1. In this position, the splines of the filter are facing towards the front.

3. Disengage discharge grille from cabinet front by removing four screws from under the front.
4. Place transition in air discharge opening of cabinet front (Figure 2).

**NOTE:** Filter access openings are not covered when the transition is installed.

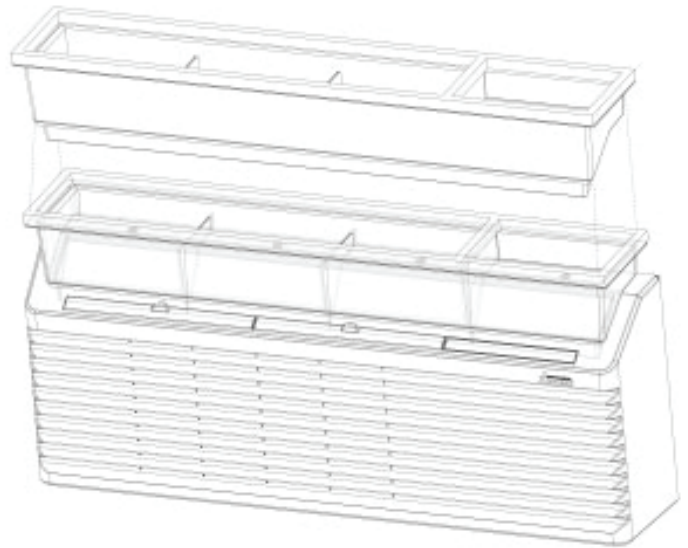


Figure 2

5. Using a 1/8" drill bit, pre-drill the holes (as shown in Figure 3) using the actual transition as a template. Fasten with four screws. DO NOT OVERTIGHTEN.

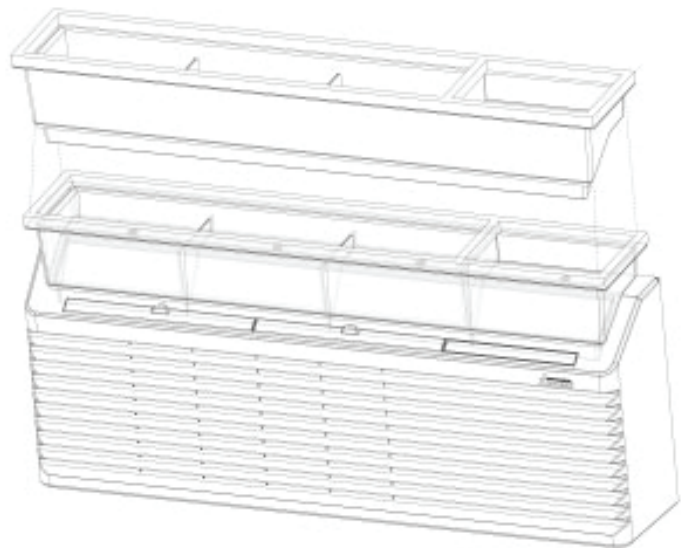
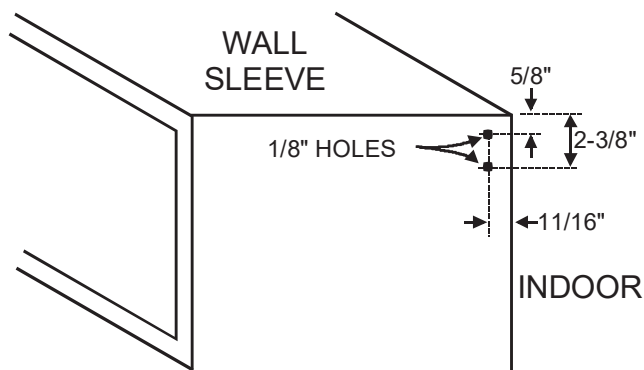
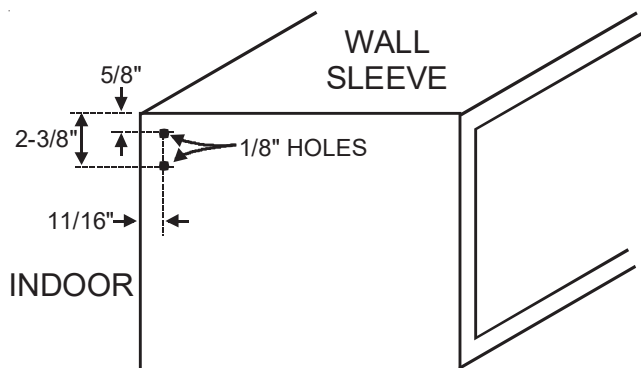


Figure 3

#### PRE-ASSEMBLY

##### (Wall Sleeve) Hole Dimension and Placement

1. Unplug and remove chassis from wall sleeve. Drill two 1/8" holes on left and right sides of wall sleeve in proper locations (see template on page 2).
2. Install chassis back into wall sleeve.
3. Install transition/front assembly on to chassis. Make sure top of cabinet front catches metal flange on chassis.



Wall Sleeve Hole Placement

Figure 4

**NOTE:** If there is not enough clearance between sleeve and partition wall to drill the holes, layout and drill the holes from inside the sleeve.

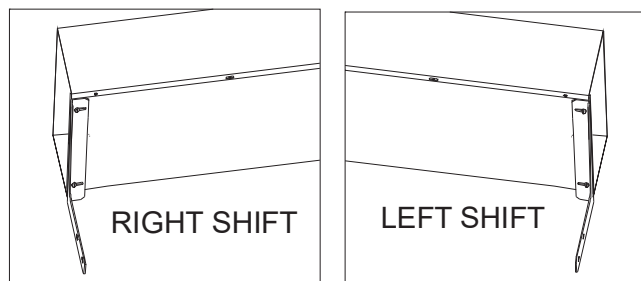
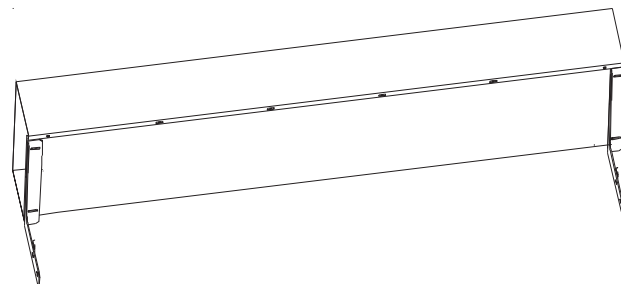
#### MDK ASSEMBLY

Determine if the duct is to be extended to the right of the unit (where controls are located) or to the left of the unit (opposite the controls). Figure 6.

For left side extensions remove the main duct end cap and reinstall on the right end of the duct. Using the four painted sheet metal screws, secure the two mounting brackets to the main duct.

Two mounting slots are provided in each bracket. To mount extension on right side, adjust bracket so the screws are in left side of bracket slots; for mounting extension on the left, adjust brackets so the screws are in right side of slots.

On right side extensions shift the brackets to the right. For left side extensions shift the brackets to the left.



Mounting Brackets installation

Figure 5

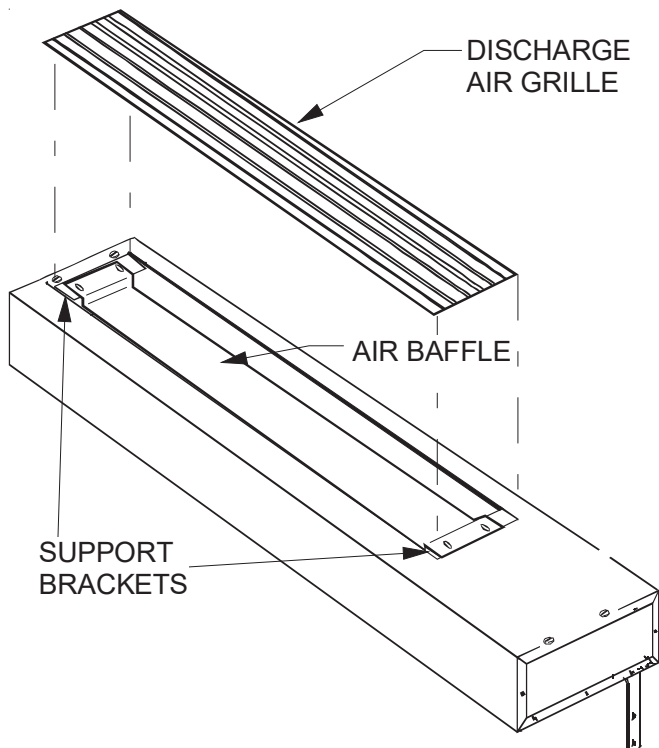
#### AIR Baffle INSTALLATION INSTRUCTIONS

1. Determine amount of air desired at main duct and at extension duct. Using the table provided, select the appropriate baffle.

BAFFLE	DIMENSIONS	AIRFLOW	
		MAIN DUCT	EXT. DUCT
Small	3 11/16" x 31 3/4"	80%	20%
Large	4 5/16" x 13 3/4"	65%	35%

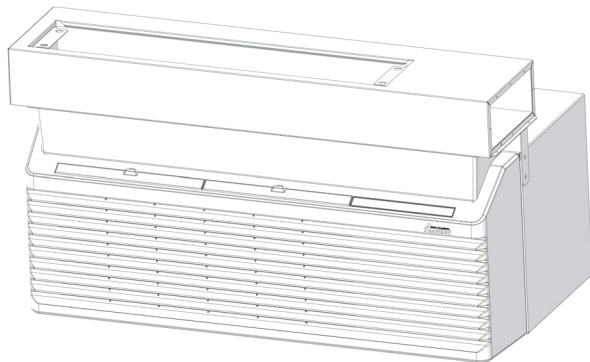
Table 1

2. Place baffle on grille support brackets on main duct. Ensure the two extruded holes of the baffle are on top of the front bracket holes.
3. Install discharge air grille on top of the air baffle. Secure the grille to the duct with pal nuts (provided) by reaching through the opening in the bottom of the duct. See figure 7.



Air Grille Installation  
Figure 6

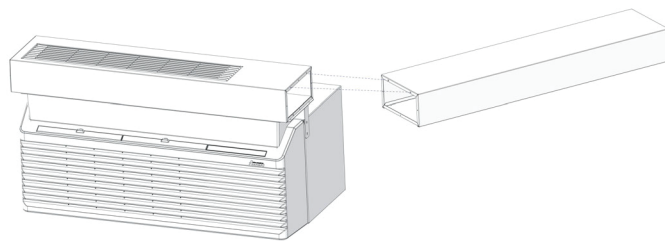
4. Place main duct assembly on the transition. Secure the brackets to the wall sleeve with four #10 hex head screws. Figure 8. Do not apply pressure on top of duct during this installation!



MDK Installation Onto Transition Assembly  
Figure 7

**NOTE:** With the installation of the main duct, the clearance to open the control door and view the settings will be limited. The control door cover will not fully open and will not stay open by itself. It is suggested that a remote wired or wireless thermostat be used for convenience, if desired.

5. Install two Phillips head screws into the top flange of the main supply duct at extension duct connection. Do not tighten screws. Leave space for one thickness of the duct sheet metal between screw head and main duct flange. Figure 9.



Main Supply Duct Top Flange

Figure 8

**IMPORTANT NOTE:** Total length of duct extension assembly, including field supplied duct between main and extension duct, should not exceed 15 effective feet (according to ASHRAE standards). For additional dimensions, refer to Main Duct and Duct Extension Dimensions illustration.

6. In the room where the main duct kit is attached to the chassis, cut a hole in the wall at the same height from the floor that the main duct is located. Cut the hole 1/8" larger than the width and height (10" x 5") dimensions of the extension duct.
7. Measure from the end of the main duct where the extension duct will be connected to the hole in the wall. If necessary cut the extension duct to a length where the cut end protrudes into the wall's inner space and one inch from the adjoining room's wall surface.
8. Insert the extension duct into the opening in the wall. Install the extension duct by placing the slotted flange over the two screws in the main duct. Using two #8 round Phillips head screws, mount bottom of extension duct to mounting bracket through the bracket slot (see Main Supply Duct Top Flange illustration).

**NOTE:** The EDK can be cut into two sections and used with two MDKs if the needed length does not exceed 21-1/4".

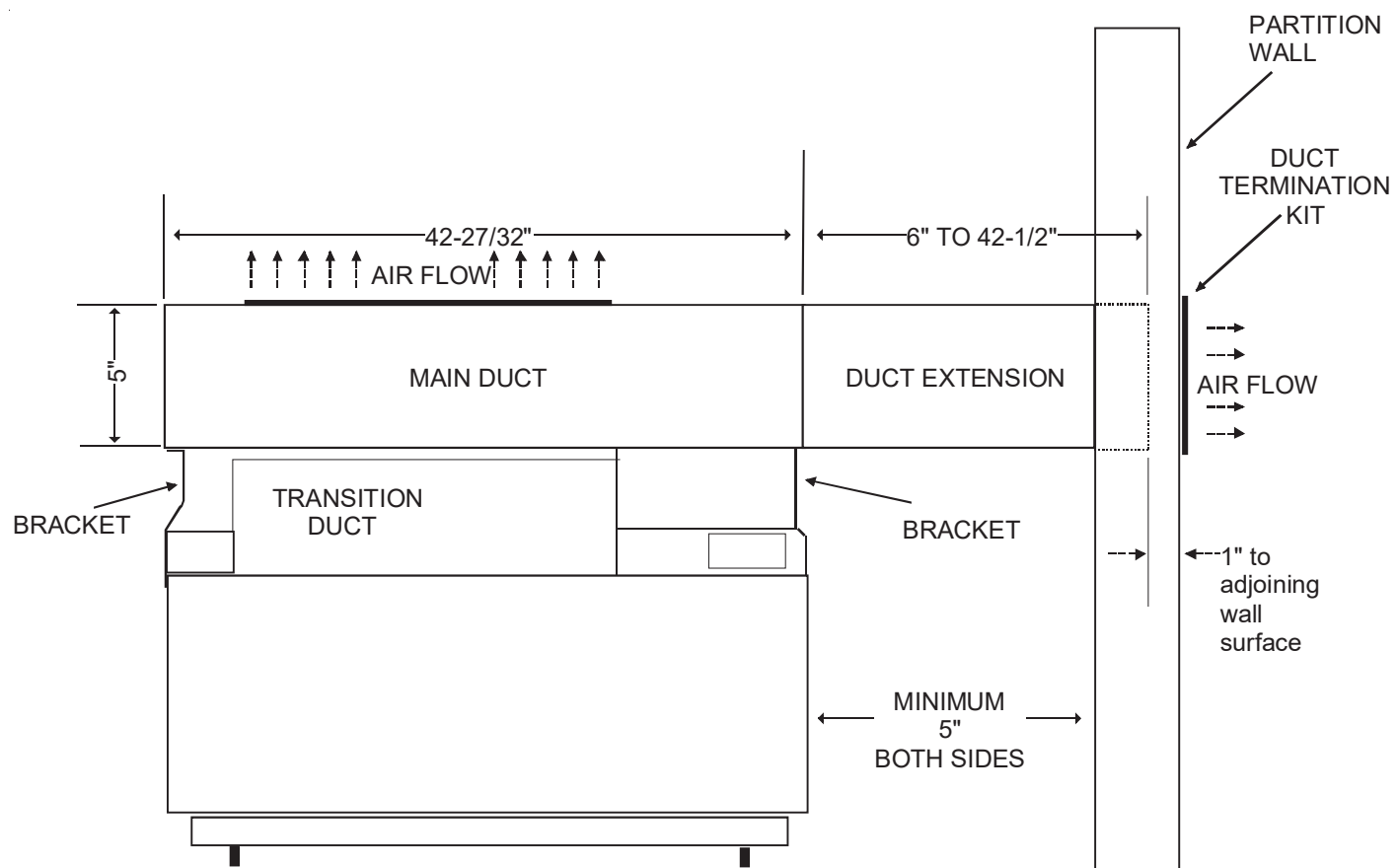


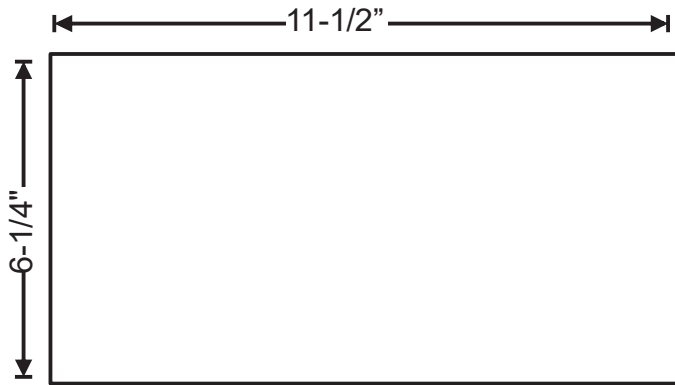
Figure 9

## TDK INSTALLATION INSTRUCTIONS

**IMPORTANT NOTE: ANY FIELD-SUPPLIED GRILLE, MUST HAVE FIXED LOUVERS THAT CANNOT BE CLOSED.**

The sheet metal collar of the terminal duct kit must be mounted in the wall of the adjoining room opposite the room where the main duct kit is attached to the PTAC chassis.

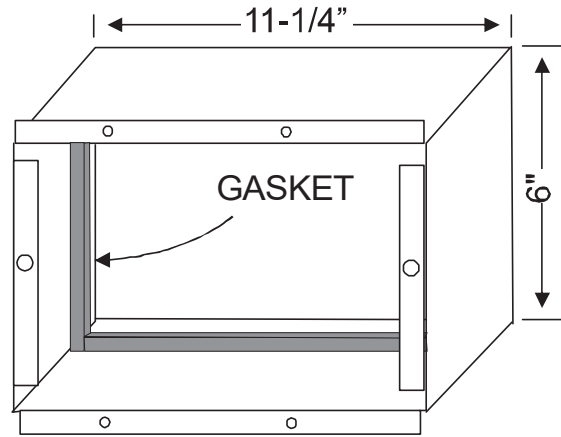
1. Cut a hole in the wall of the adjoining room such that the hole is centered on the extension duct that is currently in the wall of the opposite room. Figure 11. See wall hole dimensions illustration for sheet metal collar. Figure 12.



Wall Hole Dimension

Figure 10

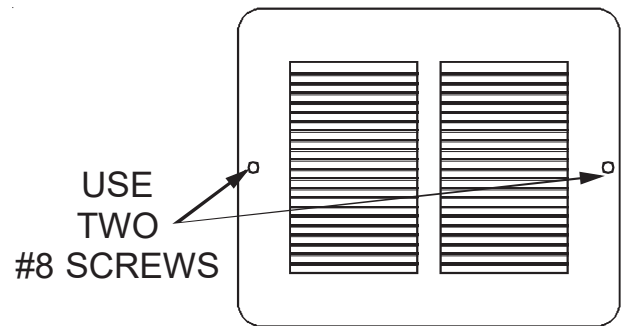
2. Insert the sheet metal collar into the wall so that the flanges will mount flush to the wall after the collar is pushed all the way into the wall. While pushing the collar into the wall make sure the extension duct is inside the collar. Use four #8 screws to attach metal collar to wall.



Sheet Metal Collar

Figure 11

3. Center the metal grille over the sheet metal collar and use two #8 screws (provided) to attach the grille to the metal collar. Figure 12.



Metal Grille

Figure 12

#### **CUSTOMER FEEDBACK**

We are very interested in all product comments.

Please fill out the feedback form on one of the following links:

Amana® Brand Products: (<http://www.amana-hac.com/about-us/contact-us>).

You can also scan the QR code on the right for the product brand you purchased to be directed to the feedback page.



AMANA® BRAND

**Amana** is a registered trademark of Maytag Corporation or its related companies and is used under license.  
All rights reserved.

19001 Kermier Rd • Waller, TX 77484 • [www.amana-ptac.com](http://www.amana-ptac.com)  
© 2022-2023 Daikin Comfort Technologies Manufacturing L.P.