

PDAE 16" x 44" Replacement Unit – Applied Packaged Terminal Air Conditioner Hydronic Subbase

General

The hydronic heating package is designed to permit adaption of the Applied PTAC for use with hydronic heat facilities. Proper installation of the subbase described herein requires strict adherence to these instructions, compliance with the requirements of the National Electrical Code and conformity to local codes and utility requirements.

Description

The hydronic subbase consists of one front piece, two “L” shaped extension pieces, an electrical compartment, a 24-volt receptacle, a prewired motorized valve and hardware (see Figure 1).

Unpacking

Open the carton and check the contents. Report missing or damaged parts to the carrier immediately.

Note: This instruction provides installation procedures for the subbase only.

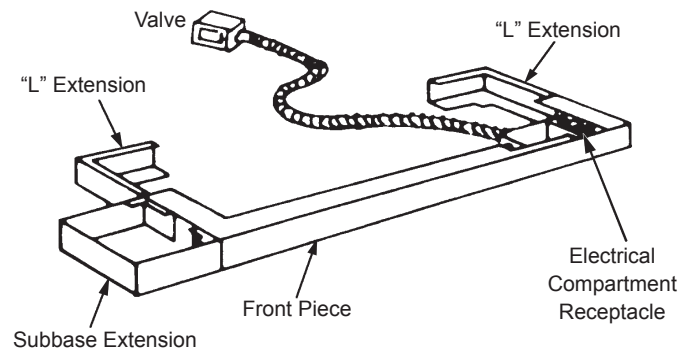
⚠ CAUTION

Installation and maintenance is to be performed only by qualified personnel who are familiar with, and in compliance with state, local and national codes and regulations, and experienced with this type of equipment. Sharp edges and coil surfaces are potential injury hazards. Avoid contact with them.

Procedure

1. Determine the distance that the air conditioner cabinet will extend into the room. If the minimum projection of 9 in. (229mm) is utilized, discard the two “L” shaped extension pieces (see Figure 1). If the projection is deeper than 9 in. (229mm), assemble the extension pieces to the front piece so that the side legs will butt against the wall (see Figure 2 and 3).

Figure 1. The Hydronic Subbase Assembly



2. Determine, from the plans and specifications, the piping location and if the supply is right-hand or left-hand. Remove corresponding knockout in the subbase to allow passage of the motorized valve wiring conduit so that the valve can be mounted in the supply pipe (see Figure 3).

Figure 2. Side Extension Details

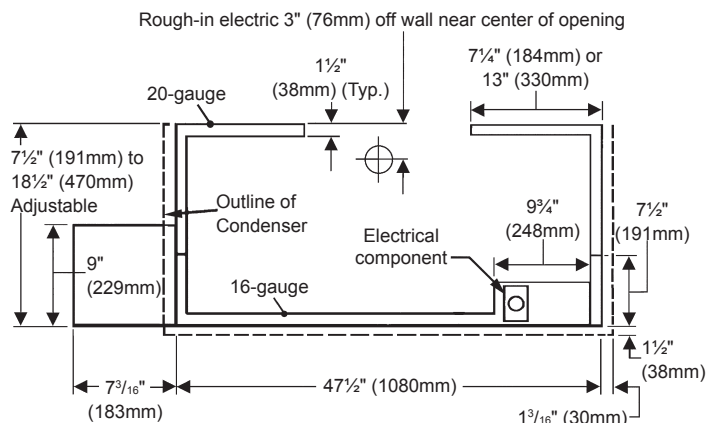
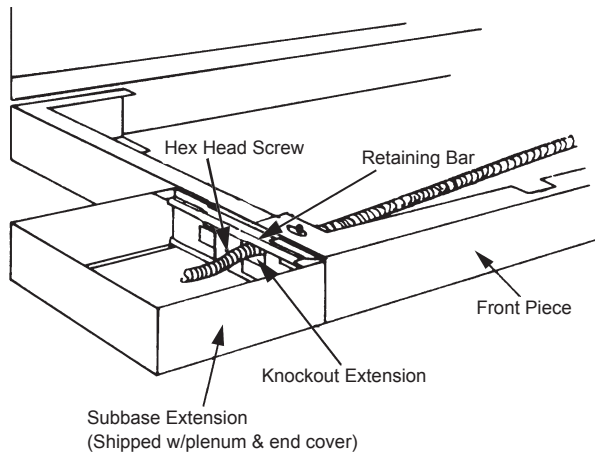
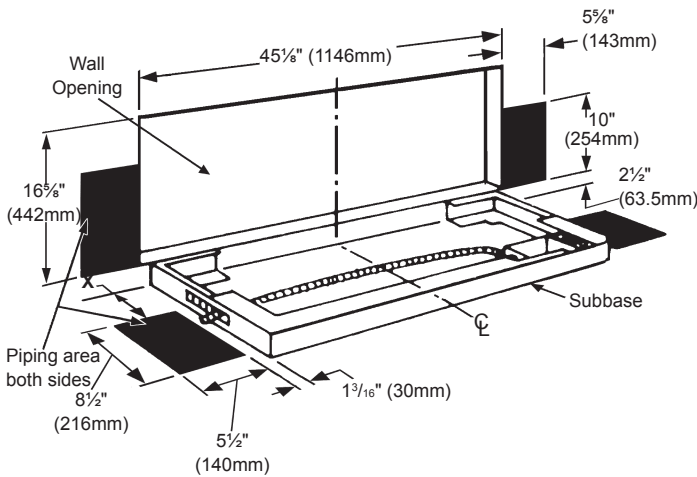


Figure 3. Subbase Details



3. Locate the subbase on the floor and align its center line with the center line of the wall opening (see Figure 4).
4. Where applicable, make final adjustment on “L” shaped extension pieces and secure with screw A (see Figure 5).

Figure 4. Wall Opening Details



Note: “X” dimension is 0” when the cabinet/sleeve projects the minimum 9” (228mm) into the room. When the cabinet/sleeve projection into the room is greater than 9”, “X” dimension will be equal to the difference between the cabinet/sleeve projection and 9”.

Increase wall opening dimensions by 3/8” (9.5mm) (height) and 3/8” (width) when using louver frame.

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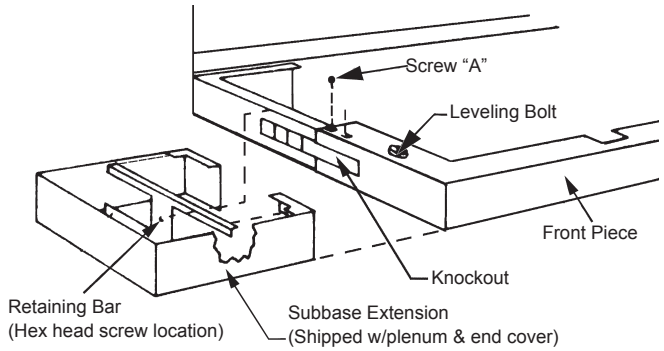


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5. Insert leveling bolts for later use (see Figure 5).

Figure 5. Leveling Bolt Location



6. Secure subbase to floor.
7. Install subbase extension against subbase and, using retaining bar, secure to subbase with hex head screw provided.
8. Complete electrical work in subbase by wiring and mounting the receptacle and cover (see Figure 6).

Figure 6. Electrical Detail

