

Installer's Guide



Aluminum Upflow Cooling Only Cased Coils

4CXCA024CC3CU**	4CXCB042CC3CU**
4CXCB025CC3CU**	4CXCC043CC3CU**
4CXCB031CC3CU**	4CXCC049CC3CU**
4CXCB036CC3CU**	4CXCD061CC3CU**
4CXCC037CC3CU**	** May be "A" or "B"

ALL phases of this installation must comply with NATIONAL, STATE AND LOCAL CODES

IMPORTANT—This Document is **customer property** and is to remain with this unit. Please return to service information pack upon completion of work.

A. GENERAL

These coils are designed for use in combination with a cooling only outdoor section using **R-410A REFRIGERANT**.

The 4CXC equipment have been evaluated in accordance with the Code of Federal Regulations, Chapter XX, Part 3280 or the equivalent. "Suitable for Mobile Home use" The height of the Furnace, Coil and discharge duct work must be 7 ft. or less.

Inspect the coil for shipping damaged. Notify the transportation company immediately if the coil is damaged.

B. APPLICATION INFORMATION

1. FURNACE AND COIL

The coil **MUST BE** installed downstream (in the outlet air) of the furnace.

These coils fit the 14½", 17½", 21", 24½" width furnaces with minimal adapters in vertical upflow applications.

2. INDOOR UNIT AIRFLOW

Indoor unit must provide the required airflow for the cooling combinations approved for these coils.

IMPORTANT: Review your installation requirements. Check the table on the outline drawings and note all dimensions for your coil before beginning the installation.

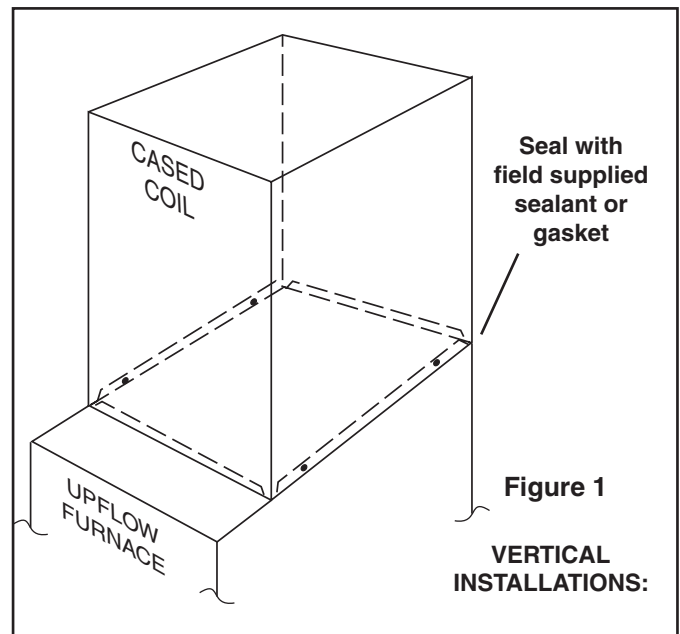
C. RECOMMENDATION

If a coil is part of the total system installation, use the Installer's Guide packaged with the furnaces, and outdoor sections, and Comfort Control for physically installing those components.

D. INSTALLING THE COILS

NOTE: The 4CXC coils are for use with outdoor products using R410A refrigerant only.

NOTE: These coils are NOT to be used in heat pump applications.



1. UPFLOW GAS FURNACE - 4CXC

- Be sure the furnace is turned off and the flue pipe is removed if it is in the way.
- Apply gasket material (duct seal field supplied) to ALL mating surfaces between the furnace and the coil case.
- Set the coil case on top of the furnace.
- Reinstall the flue pipe (If removed).

2. UPFLOW GAS FURNACE - Add-on Cooling

- Turn furnace power OFF and remove the flue pipe if necessary.
- Disconnect and remove a sufficient portion of the supply ductwork to provide clearance for the cased coil.
- Install the cased coil following the Installation Instruction section D-1 of these instructions.
- Reconnect the ductwork to the coil case.
- Replace the furnace flue pipe if it has been removed and fasten it securely.
- Turn the furnace power ON.

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E. FIELD FABRICATED INTERCONNECTING LINES

- a. The following procedure should be used for connecting tubing to the coil or the Outdoor Unit.
- b. More information concerning the installation of refrigerant lines is covered in the Installers Guide packaged with the outdoor unit. Evacuation, leak testing and brazing procedures are included in those instructions before starting the installation of refrigerant lines.

NOTE: Torque specification for TXV equals 1/6 turn past finger tight. Make sure a back up wrench is used.

BRAZING TO EVAPORATOR

IMPORTANT: Do not unseal refrigerant tubing until ready to cut and fit refrigerant lines.

There is only a holding charge of dry air in the indoor coil, therefore no loss of operating refrigerant charge occurs when the sealing plugs are removed.

NOTE: TXV bulb *MUST* be protected (wrapped with wet rag) or removed, while brazing the tubing. Overheating of the sensing bulb will affect the functional characteristics and performance of the comfort coil.

1. Use tube cutters to cut the spun-closed tubing. Clean the tubing to prevent contaminants from entering the system.
2. Field supplied tubing should be cut square, round and free of burrs at the connecting end. Clean the tubing to prevent contaminants from entering the system.
3. **Run the refrigerant tubing into the stub tube sockets of the indoor unit coil.**

PAINTED AREAS OF THE UNIT MUST BE SHIELDED DURING BRAZING.

4. Braze and evacuate according to indoor and outdoor installation instructions.
5. Flow a small amount of nitrogen through the tubing while brazing.
6. Use good brazing technique to make leakproof joints.
7. Minimize the use of sharp 90° bends.
8. Insulate the suction line and its fittings.
9. Do NOT allow un-insulated lines to come into contact with each other.

⚠ CAUTION

Do NOT open refrigerant valve at the outdoor unit until the refrigerant lines and coil have been brazed, evacuated, and leak checked. This would cause contamination of the refrigerant or possible discharge of refrigerant to the atmosphere.

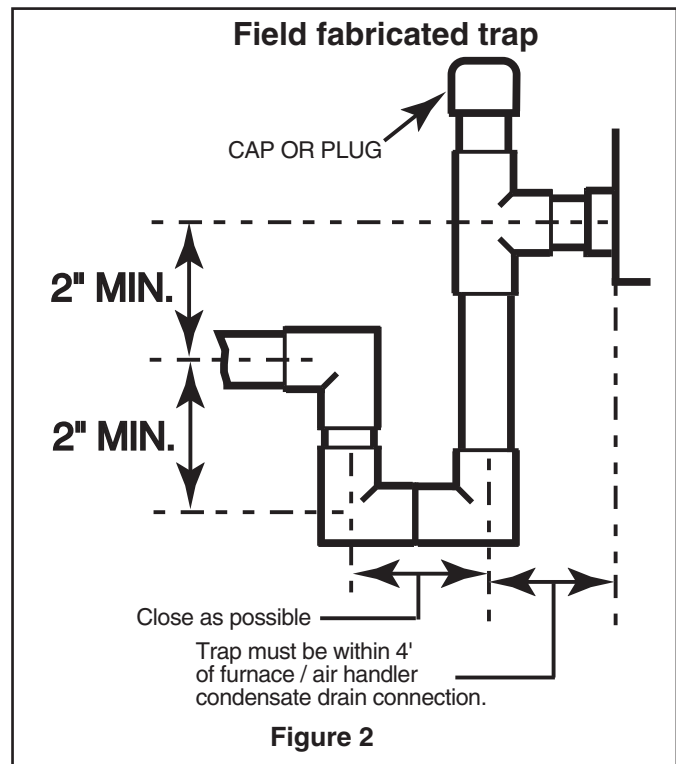
F. LEAK CHECK

1. Using a manifold gauge, connect an external supply of dry nitrogen to the gauge port on the liquid line.
2. Pressurize the connecting lines and indoor coil to 150 PSIG maximum.
3. Leak check brazed line connections using soap bubbles. Repair leaks (if any) after relieving pressure after relieving pressure.
4. Evacuate and charge the system per the instructions packaged with the outdoor unit.

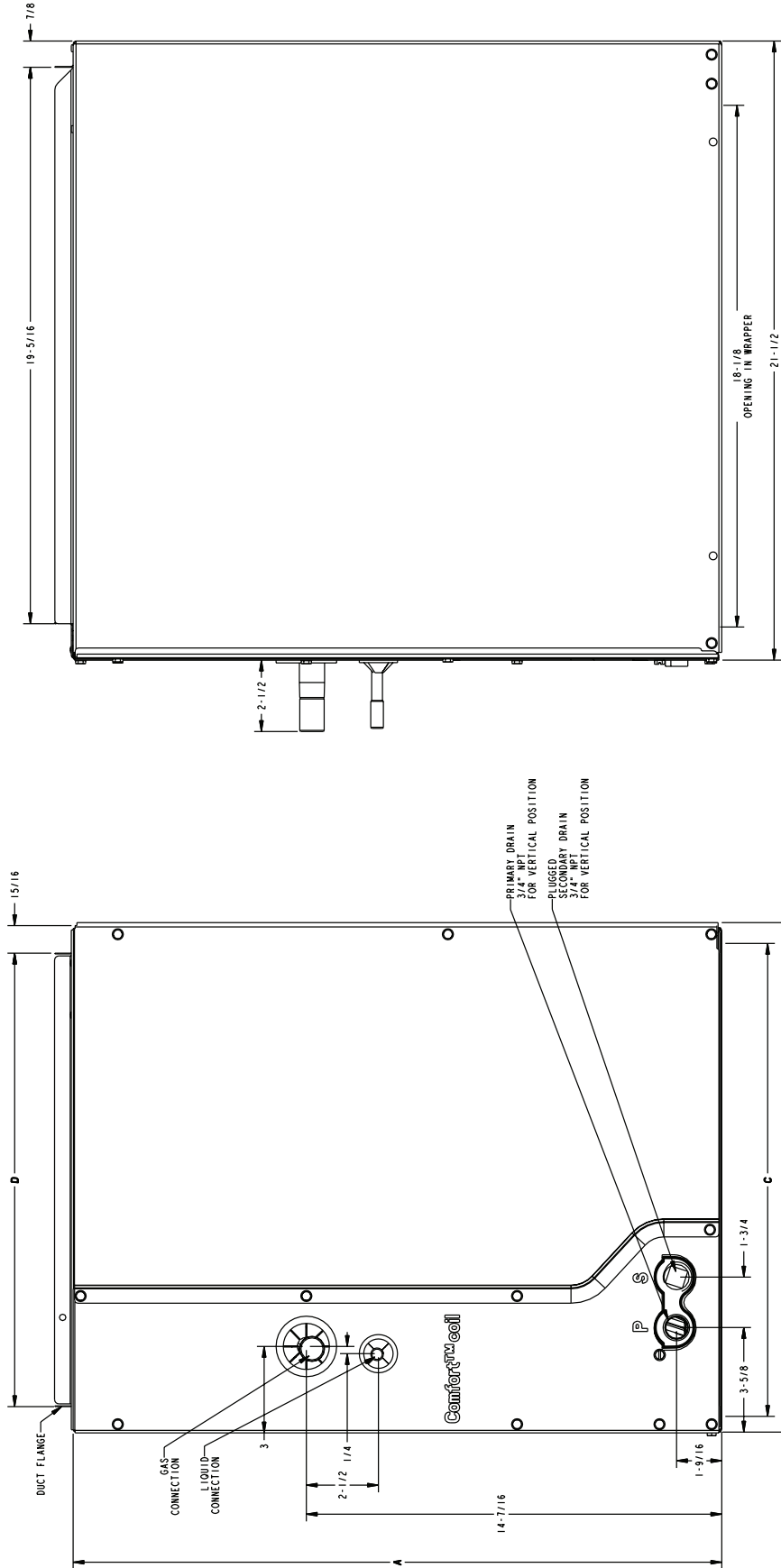
G. CONDENSATE DRAIN PIPING

Condensate drain connections are located in the drain pan at the bottom of the coil/ enclosure assembly. The female threaded fitting protrudes outside of the enclosure for external connection. See Figure 2.

1. The drain hole in the drain pan must be cleared of all insulation.
2. Insulate the drain line to prevent sweating and dripping.



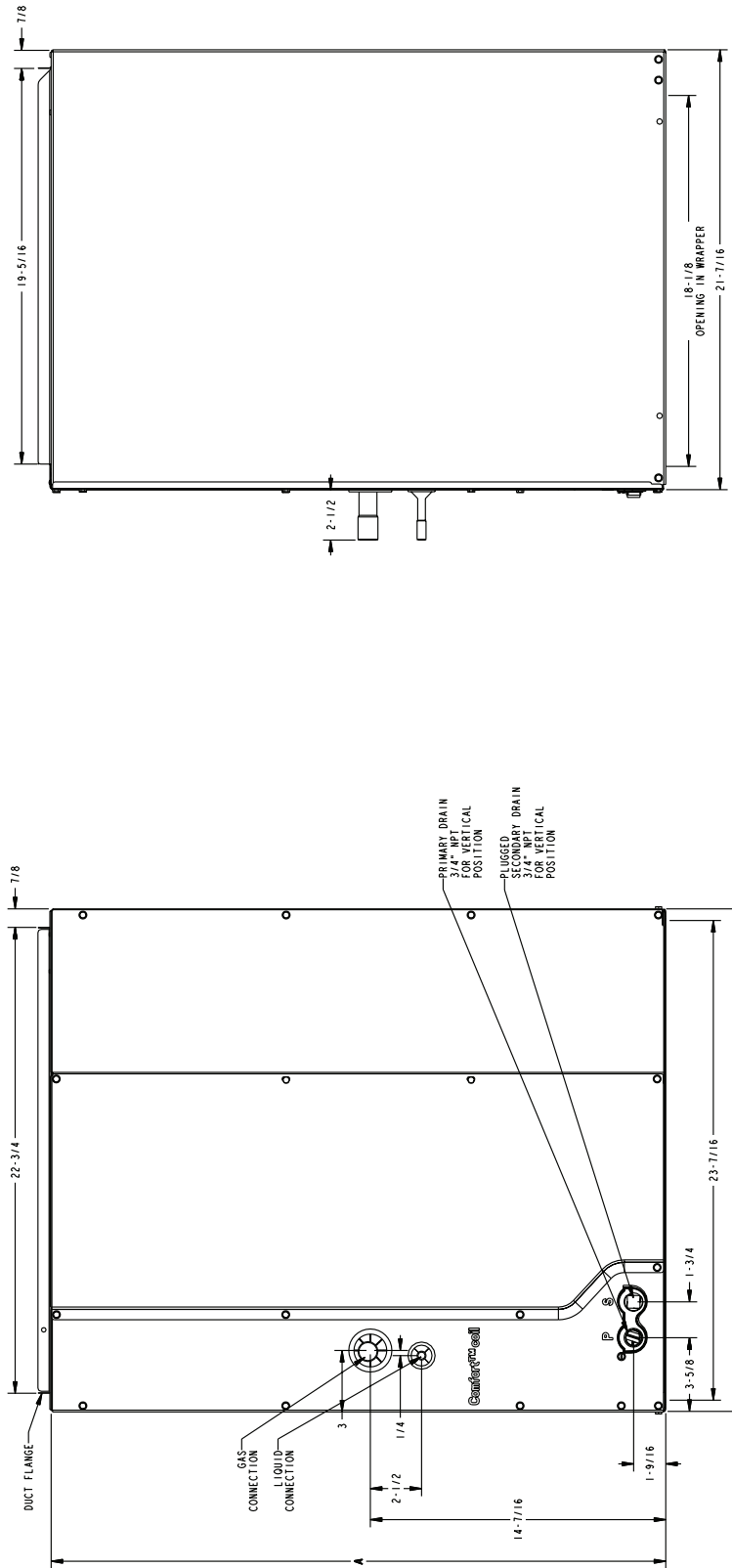
Outline Drawing for 4XCXA024CC3CU**, 4XCB025CC3CU**, 4XCB031CC3CU**, 4XCB036CC3CU**, 4XCXB042CC3CU**, 4XCXC037CC3CU**, 4XCXC043CC3CU**, and 4XCXC049CC3CU**. (All dimensions are in inches)
 ** May be "A" or "B"



MODEL	4XCXA024CC3CU	4XCB025CC3CU 4XCXC037CC3CU	4XCB031CC3CU 4XCXC043CC3CU	4XCB036CC3CU 4XCXC049CC3CU	4XCXC037CC3CU 4XCXC043CC3CU	4XCXC049CC3CU
WEIGHT (LBS)	31	41	42	45	48	48
REFRIGERANT CONTROL	TXV (NON-BLEED)					
HEIGHT "A" (IN)	22-5/8	17-5/8	22-5/8	22-5/8	22-5/8	26-7/8
OVERALL WIDTH "B" (IN)	14-1/2	17-1/2	17-1/2	17-1/2	21	21
OPENING WIDTH "C" (IN)	13-1/2	16-1/2	16-1/2	16-1/2	20	20
TOP OPENING "D"	12-3/4	15-3/4	15-3/4	15-3/4	19-1/4	19-1/4
GAS CONNECTION	5/8 BRAZE	3/4 BRAZE	3/4 BRAZE	3/4 BRAZE	7/8 BRAZE	7/8 BRAZE
LIQUID CONNECTION	14-1/2	17-1/2	17-1/2	17-1/2	21	21
MATCHED FURNACE WIDTH (NO ADAPTER REQUIRED)	PLASTIC					
DRAIN PAN	PLASTIC					

From Dwg. D343553

Outline Drawing for 4CXCD061CC3CU***, (All dimensions are in inches)
 *** May be "A" or "B"



MODEL	4CXCD061CC3CU
WEIGHT (LBS)	63
REFRIGERANT CONTROL	TXV (NON-BLEED)
HEIGHT "A" (IN)	30-1/16
GAS CONNECTION	7/8 BRAZE
LIQUID CONNECTION	3/8 BRAZE
MATCHED FURNACE WIDTH (NO ADAPTER REQUIRED)	24-1/2
DRAIN PAN	PLASTIC

From Dwg. D343554

Trane
 6200 Troup Highway
 Tyler, TX 75707

For more information contact
 your local dealer (distributor)

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Since the manufacturer has a policy of continuous product and product data improvement, it reserves the right to change design and specifications without notice.