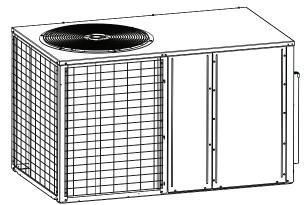
# Installer's Guide

## Packaged Gas / Electric

4YCA4024A1060A 4YCA4030A1080A 4YCA4036A1080A 4YCA4042A1080A 4YCA4048A1100A 4YCA4060A1100A



**Note:** "Graphics in this document are for representation only. Actual model may differ in appearance."

#### A SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

## **SAFETY SECTION**

Important — This document contains a wiring diagram, a parts list, and service information. This is customer property and is to remain with this unit. Please return to service information pack upon completion of work.

#### **A** WARNING

#### HAZARDOUS VOLTAGE!

Failure to follow this Warning could result in property damage, severe personal injury, or death.

Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power cannot be inadvertently energized.

#### **A** WARNING

#### SAFETY AND ELECTRICAL HAZARD!

Failure to follow this Warning could result in property damage, severe personal injury, or death.

These servicing instructions are for use by qualified personnel only. To reduce the risk of electrical shock, do not perform any servicing other than that contained in these operating instructions unless you are qualified to do so.

#### **A** CAUTION

#### **GROUNDING REQUIRED!**

Failure to inspect or use proper service tools may result in equipment damage or personal injury. Reconnect all grounding devices. All parts of this product that are capable of conducting electrical current are grounded. If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

## **A WARNING**

## UNIT CONTAINS R-410A REFRIGERANT!

Failure to use proper service tools may result in equipment damage or personal injury.

R-410A operating pressure exceeds the limit of R-22. Proper service equipment is required. Service using only R-410A Refrigerant and approved POE compressor oil.

#### **A** WARNING

#### SAFETY HAZARD!

Operating the unit without the access panels properly installed may result in severe personal injury or death.

Do not operate the unit without the evaporator fan access panel or evaporator coil access panel in place.

## **A WARNING**

#### WARNING!

This product can expose you to chemicals including lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Important: Wear appropriate gloves, arm sleeve protectors and eye protection when servicing or maintaining this equipment.

**Important:** Air filters and media wheels or plates shall meet the test requirements in UL 900.

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# **Table of Contents**

Introduction 4	Step 5 — Unit Startup	. 19
Step 2 — Determine Unit Clearances 5	Sequence of Operation	. 21
Step 3 — Review Location and	Airflow Tables	. 23
Recommendation Information	Maintenance	. 25
Step 4 — Unit Installation 8	Important Product Information	. 25

## Introduction

Read this manual carefully before attempting to install, operate, or perform maintenance on this unit. Installation and maintenance should be performed by qualified service technicians only. This unit is listed by Underwriters Laboratory.

Packaged units are designed for outdoor mounting with a vertical condenser discharge. They can be located either at ground level or on a roof in accordance with local codes. Each unit contains an operating charge of refrigerant as shipped.

Extreme mounting kits are available for slab (BAYEXMK003A), utility curb (BAYEXMK002B) and perimeter curb (BAYEXMK001A) mountings.

This guide is organized as follows:

- Step 1 Inspect Shipment
- Step 2 Determine Unit Clearances
- Step 3 Review Location & Recommendation Information
- Step 4 Unit Installation
- Step 5 Unit Startup
- Sequence of Operation
- Maintenance

#### Step 1 — Inspect Shipment

 Check for damage after the unit is unloaded. Report promptly to the carrier any damage found to the unit. Do not drop the unit.

Important: To prevent damage to the sides and top of the unit when hoisting, use "spreader bars".

- Check the unit's nameplate to determine if the unit is correct for the intended application. The power supply must be adequate for both the unit and all accessories.
- 3. Check to be sure the refrigerant charge has been retained during shipment. Remove the Compressor access panel to access the 1/4" flare pressure taps.
- 4. If this unit is being installed on a curb, verify that the correct curb is provided with the unit.
  - Use model BAYCURB060A
- If the unit is being hoisted, accessory kit BAYLIFT002A is recommended. It includes a kit of four (4) lifting lugs and instructions.

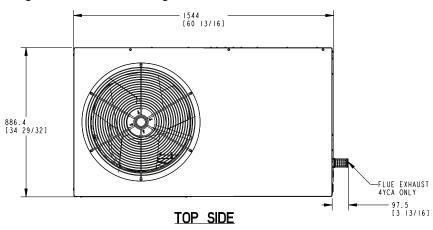
#### Notes:

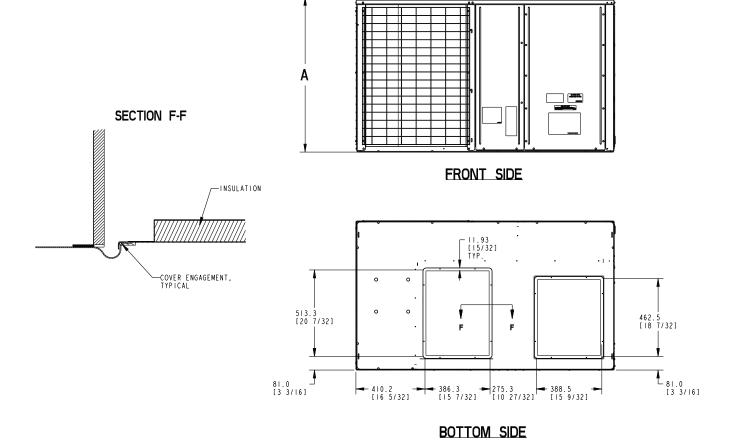
- If practical, install any internal accessories to the unit at the shop.
- The packaged units have been evaluated in accordance with the Code of Federal Regulations, Chapter XX, Part 3280 or the equivalent.

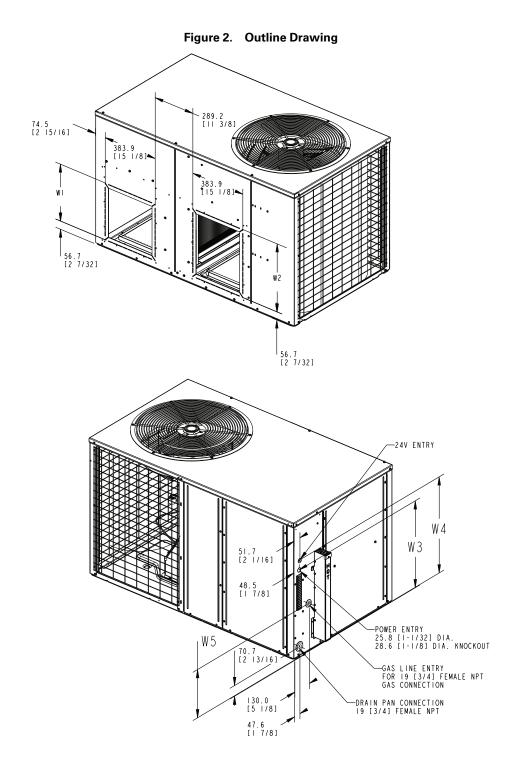
"SUITABLE FOR MOBILE HOME USE."

# **Step 2 — Determine Unit Clearances**

Figure 1. Outline Drawing







MODEL	MM/IN.						
MODEL	A	WI	W2	W3	W 4	W.5	NET WEIGHT/ LBS
4YCA4024A	918.8 [36-5/32]	383.9 [15-1/8]	460.1 [18-1/8]	575.2 [22-21/32]	636.1 [25-1/32]	319.0 [12-9/16]	328
4YCA4030A	918.8 [36-5/32]	383.9 [15-1/8]	460.1 [18-1/8]	575.2 [22-21/32]	636.1 [25-1/32]	319.0 [12-9/16]	332
4YCA4036A	918.8 [36-5/32]	383.9 [15-1/8]	460.1 [18-1/8]	575.2 [22-21/32]	636.1 [25-1/32]	319.0 [12-9/16]	348
4YCA4042A	918.8 [36-5/32]	383.9 [15-1/8]	460.1 [18-1/8]	575.2 [22-21/32]	636.  [25- /32]	319.0 [12-9/16]	448
4YCA4048A	1045.8 [41-5/32]	460.1 [18-1/8]	510.9 [20-1/8]	645.0 [25-13/32]	712.3 [28-1/32]	369.7 [14-9/16]	519
4YCA4060A	1045.8 [41-5/32]	460.  [ 8- /8]	510.9 [20-1/8]	645.0 [25-13/32]	712.3 [28-1/32]	369.7 [14-9/16]	519

# Step 3 — Review Location and Recommendation Information

#### Notes:

- The unit is shipped for horizontal installation.
- During heating operation, avoid supply air below 80 degrees F or return air below 50 degrees F to prevent flue gas condensation.

#### **Horizontal Airflow Units**

- Location of the unit must allow service clearance around it to ensure adequate serviceability, maximum capacity, and peak operating efficiency.
- These units are designed for outdoor installation.
   They may be installed directly on a slab, wood flooring, or on Class A, B, or C roof covering material. The discharge air from the condenser fans must be unrestricted for a minimum of 3 feet above the unit.
- 3. Check the handling facilities to ensure the safety of personnel and the unit(s).
- 4. The unit must be mounted level for proper drainage of water through the drain holes in the base pan.
- The unit should not be exposed to direct roof water runoff.
- 6. Flexible duct connectors must be of a flame retardant material. All duct work outside of the structure must be insulated and weatherproofed in accordance with local codes.
- 7. Holes through exterior walls or roof must be sealed in accordance with local codes.
- 8. All fabricated outdoor ducts should be as short as possible.

#### **Clearances**

- The recommended service clearances for singleunit installations are stated in Table 1.
- Any reduction of the unit clearances indicated in these figures may result in condenser coil starvation or the recirculation of warm condenser air. Actual clearances, which appear to be inadequate should be reviewed with a local engineer.
- See the unit's nameplate for the absolute minimum clearance between the unit and any combustible surfaces.

#### **Down Airflow Units**

1. Location of the unit must allow service clearance around it to ensure adequate serviceability, maximum capacity, and peak operating efficiency.

- Refer to the Installation section for instruction on converting the supply and return airflow covers to down airflow.
- 3. The field assembled Roof Mounting Curb (BAYCURB060A) or a field fabricated curb should be in place before the unit is hoisted to the roof top. The Roof Mounting Curb (frame) must be installed on a flat, level section of the roof (maximum of 1/4" per foot pitch) and provide a level mounting surface for the unit. Also, be sure to provide sufficient height above the roof to prevent water from entering the unit.
- Be sure the mounting curb spans structural members (trusses) of the roof, thereby providing sufficient support for the weight of the unit, the curb, the duct(s), and any factory or field installed accessories.
- 5. The unit must be mounted level for proper drainage of water through the drain holes in the base pan.
- 6. Be sure the hole in the structure for the ducts is large enough to accommodate the fabricated ducts and the insulation surrounding them. Flexible duct connectors must be of a flame retardant material. All duct work outside of the structure must be insulated and weatherproofed in accordance with local codes.
- 7. Holes through exterior walls or roof must be sealed in accordance with local codes.
- 8. These units are design certified for outdoor installation. They may be installed directly on a slab, wood flooring, or on Class A, B, or C roof covering material. The discharge air from the condenser fans must be unrestricted for a minimum of 3 feet above the unit.
- 9. Check the handling facilities to ensure the safety of personnel and the unit(s).

#### Clearances

- The recommended service clearances for singleunit installations are stated in Table 1.
- Any reduction of the unit clearances indicated in these figures may result in condenser coil starvation or the recirculation of warm condenser air. Actual clearances, which appear to be inadequate should be reviewed with a local engineer.
- See the unit's nameplate for the absolute minimum clearance between the unit and any combustible surfaces.

## Step 4 — Unit Installation

Note: The factory ships this unit for horizontal installation.

#### Install External Flue Hood

- 1. Locate the Flue Hood shipped in combustion area.
- 2. See installation instructions on shipping plate.

#### To Install the unit at ground level:

- 1. Place the unit on a pad the size of the unit or larger. The unit must be mounted level for proper drainage of water through the holes in the base pan. To attach the unit securely to the slab, use extreme mounting kit, BAYEXMK003A. The pad must not come in contact with the structure. Be sure the outdoor portion of the supply
- 2. Location of the unit must allow service clearance around it. Clearance of the unit must be given careful consideration. See, Figures "Step 2 -Determine Unit Clearances," p. 5.

and return air ducts are as short as possible.

Note: Any reduction of the unit clearances indicated in these illustrations may result in condenser coil starvation or the recirculation of warm condenser air. Actual clearances, which appear to be inadequate should be reviewed with a local engineer.

- 3. Attach the supply and return air ducts to the unit as explained in the ductwork Installation section.
- 4. Flexible duct connectors must be of a flame retardant material. Insulate any ductwork outside of the structure with at least two (2) inches of insulation and weatherproof. There must be a

- weatherproof seal where the duct enters the structure.
- 5. Do not expose the unit to direct roof water runoff.
- 6. Seal all holes through exterior walls in accordance with local codes.
- 7. Continue with the following installation sections to complete the installation: Ductwork, Filter and Electrical Wiring.

#### Rooftop Installation — Curb Mounting Convert Horizontal Airflow to Down Airflow

The factory ships the unit for horizontal airflow. Perform this procedure to convert it to down airflow:

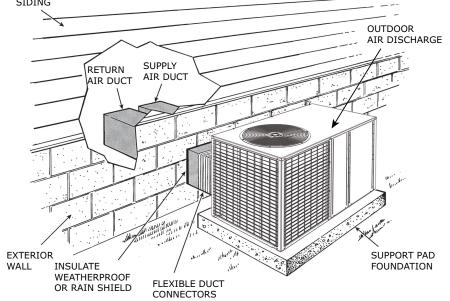
- 1. Remove the three (3) sheet metal screws securing the supply air cover and the four (4) sheet metal screws securing the return air cover from the base of the unit. Remove the covers from the base.
- 2. Place the covers over the horizontal supply and return openings (painted side out). Align the screw holes, and secure using the same screws removed in step 1.

#### Install Full Perimeter Roof Mounting Curb

- 1. Verify that the roof mounting curb is correct for the unit. There are two curbs depending on the unit cabinet sizes:
  - Use model BAYCURB060A
- 2. Assemble and install the curb following the instructions in the Installer's Guide included with the appropriate curb.

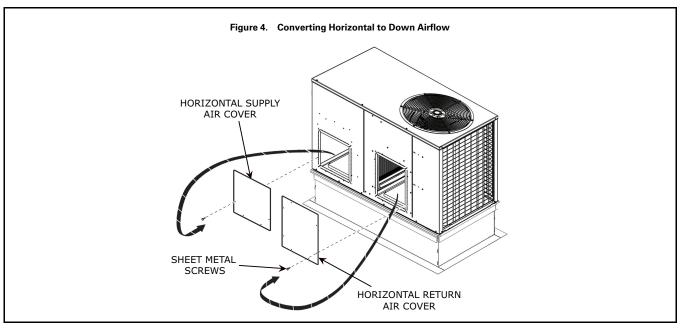
Note: Use the extreme mounting kit, BAYEXMK003AA, to secure the unit to the slab. SIDING **OUTDOOR** 

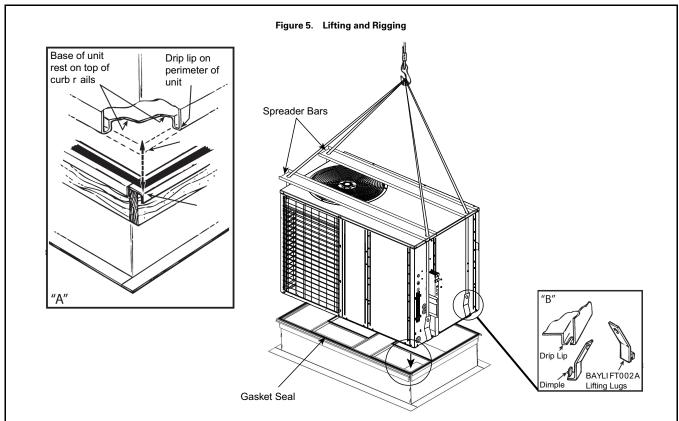
Figure 3. Typical Ground Level Application



**Table 1. Recommended Service Clearance** 

Recommended	BACK SIDE	LEFT SIDE	RIGHT SIDE	FRONT SIDE	TOP
Service Clearance	0"	30"	42"	42"	36"





Important: Do not lift the unit without test lifting for balance and rigging. Do not lift the unit in windy conditions or above personnel. Do not lift the unit by attaching clevis, hooks, pins, or bolts to the unit casing, casing hardware, corner lugs, angles, tabs, or flanges. Failure to observe these warnings may result in equipment damage.

 Before preparing the unit for lifting, check the unit dimension drawings for center of gravity for lifting safety (Figures "Step 2 — Determine Unit Clearances," p. 5). Because of placement of internal components, the unit's weight may be unevenly distributed. Approximate unit weights are also provided in the unit drawings.

Note: Unit rigging and hoisting requires accessory kit BAYLIFT002A. It includes a kit of four (4) lifting luas.

- Insert the four lifting lugs in the openings provided in the drip lip on each end of the unit. A tap or jerk to the lug will overcome the interference that arises due to the dimple on the lug.
- When hoisting the unit, be sure that a proper method of rigging is used. Use slings and spreader bars for protection during lifting. Always test-lift the unit to determine the exact unit balance and stability before hoisting it to the installation location.
- When the curb and air ducts have been properly installed, the unit is ready to be hoisted to the roof and set in position.

#### Important:

- To prevent damage to the sides and top of the unit when hoisting use "spreader bars".
- The unit must be lowered into position.
   The P.V.C. rubber tape on the curb
   flange permits the unit to be
   repositioned if required without
   destroying the P.V.C. rubber seals
   affixed to the mounting curb.

#### Placing the Unit on the Mounting Curb

- 1. The unit is designed with a perimeter drip lip that is lower than the unit base pan.
- Position the unit drip lip down over and in contact with the outside corner of the curb. Continue to lower the unit on top of the curb, with the unit drip lip astraddle, and in contact with, both the end and side rail of the curb. The unit should now rest on top of the curb. Use the extreme mounting kit, BAYEXMK001A, to add additional hold down strength to the mounting.

#### Rooftop Installation — Frame Mounting

For rooftop applications using field fabricated frame and ducts use the following procedure:

- Prepare the hole in the roof in advance of installing the unit.
- Secure the horizontal or down airflow ducts to the roof. Refer to the previous Convert from Horizontal Airflow to Down Airflow section if conversion is needed.
- 3. All fabricated outdoor ducts should be as short as possible.
- 4. Place the unit on the frame.
- 5. The unit must be mounted level for proper drainage of water through the holes in the base pan.
- 6. Secure the unit to the frame.
- 7. Insulate any ductwork outside of the structure with at least two (2) inches of insulation and then weatherproof. There must be a weatherproof seal where the duct enters the structure.
- 8. The unit should not be exposed to direct roof water runoff.
- Flexible duct connectors must be of a flame retardant material. All duct work outside of the structure must be insulated and weatherproofed in accordance with local codes.
- 10. Access and service clearances for the unit must be given careful consideration when locating the duct entrance openings. Figures "Step 2 — Determine Unit Clearances," p. 5 provide unit dimensions.
- Continue with the following installation sections to complete the installation: Ductwork, Filter, and Electrical Wiring.

#### Rooftop Installation — Frame Mounting

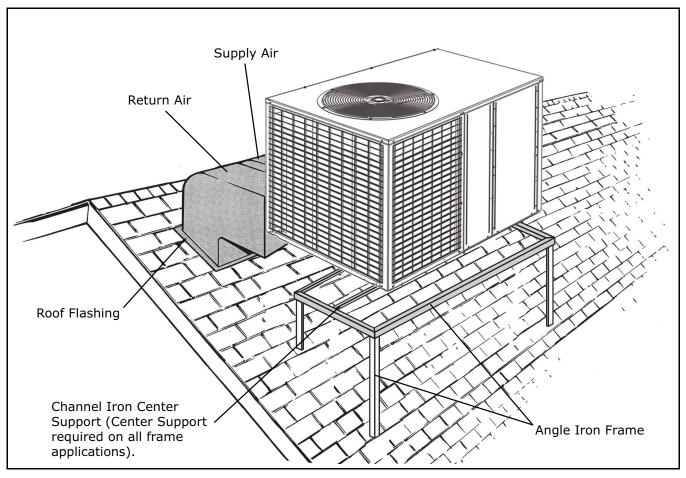
For roof top applications using field fabricated ducts and sleeper rails rather than a curb or frame, use the following procedure:

- Locate and secure the sleeper rails to the roof by bolting (three (3) rails required). One on each end to support the edges of the unit and one across the center of the unit. The center rail must run inside both drip lips. Vibration isolators should be installed, adjust as necessary for your sleeper rails. The isolators must be placed on base pan, not drip lip. Add flashing as required. Flashing must conform to local building codes.
- 2. Prepare the hole in the roof in advance of installing the unit.
- Secure the horizontal or down airflow ducts to the roof. Refer to the previous Convert from Horizontal Airflow to Down Airflow section if conversion is needed.
- 4. All fabricated outdoor ducts should be as short as possible.
- 5. Place the unit on the rails.
- 6. The unit must be mounted level for proper drainage of water through the holes in the base pan.

- 7. Secure the unit to the rails.
- 8. Insulate any ductwork outside of the structure with at least two (2) inches of insulation and then weatherproof. There must be a weatherproof seal where the duct enters the structure.
- 9. No exposure to direct roof water runoff.
- 10. Flexible duct connectors must be of a flame retardant material. All duct work outside of the

- structure must be insulated and weatherproofed in accordance with local codes.
- Access and service clearances for the unit must be given careful consideration when locating the duct entrance openings. Figures "Step 2 — Determine Unit Clearances," p. 5 provide unit dimensions.
- 12. Continue with the following installation sections: Ductwork, Filter and Electrical Wiring.

Table 2. Typical Rooftop Horizontal Airflow Application with Frame



Return Air

Roof Flashing

Channel Iron Center Support (center support required on all frame applications).

Angle Iron Frame frame

Table 3. Typical Rooftop Down Airflow Application with Frame

#### **Ductwork Installation**

#### **Attaching Downflow Ductwork to Roof Curb**

Supply and return air flanges are provided on the roof curb for easy duct installation. All ductwork must be run and attached to the curb before the unit is set into place.

#### **Attaching Downflow Ductwork to Roof Frame**

Follow these guidelines for ductwork construction:

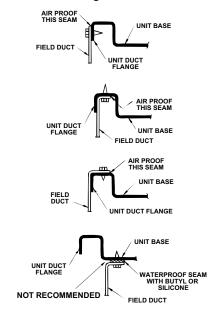
Connections to the unit should be made with three (3) inch canvas connectors to minimize noise and vibration transmission.

Elbows with turning vanes or splitters are recommended to minimize air noise and resistance.

The first elbow in the ductwork leaving the unit should be no closer than two (2) feet from the unit, to minimize noise and resistance.

To prevent leaking, do not attach the ductwork to the bottom of the unit base. Refer to the bottom example in the figure below.

Figure 6. Attaching Down Airflow Ductwork



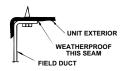
#### Attaching Horizontal Ductwork to Unit

All conditioned air ductwork should be insulated to minimize heating and cooling duct losses. Use a minimum of two (2) inches of insulation with a vapor barrier. The outside ductwork must be weatherproofed between the unit and the building.

When attaching ductwork to a horizontal unit, provide a flexible watertight connection to prevent noise transmission from the unit to the ducts. The flexible connection **must** be indoors and made out of heavy canvas.

**Note:** Do not draw the canvas taut between the solid ducts.

Figure 7. Attaching Horizontal Airflow Ductwork

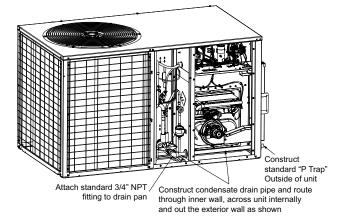




#### **Condensate Drain Piping**

Follow local codes and standard piping practices when running the drain line. Pitch the line downward away from the unit. Avoid long horizontal runs. See, Figure 8, p. 13.

Figure 8. Condensate Drain

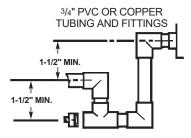


Note: Do not use reducing fittings in the drain lines.

The condensate drain must be:

- Made of 3/4" pipe size
- Pitched 1/4" per foot to provide free drainage to convenient drain system
- Trapped
- Must be connected to a closed drain system unless the trap is properly vented

Figure 9. Typical Condensate Drain Piping



**Gas Piping Installation** 

#### **A** WARNING

#### FIRE OR EXPLOSION HAZARD!

Failure to follow the safety warning exactly could result in serious injury, death, or property damage.

Use a commercially available soap solution made specifically for the detection of leaks to check all connections.

Important: Before making the gas pipe connection, give serious consideration to providing the clearance necessary to remove the access panels on the unit (e.g., economizer and filter access panels).

**Note:** In the absence of local codes, the installation must conform with American National Standard– Z223.1–National Fuel Gas Code, Latest Revision.

The available gas supply must agree with the required gas supply marked on the unit nameplate. Minimum permissible gas supply pressure for purpose of input adjustment must be at least 7.0 in. w. c. (inches water column) for natural gas and 11 in. w. c. for LP Gas.

#### Pipe Delivery Schedule

**Note:** The following procedure and tables apply to Natural Gas **only**.

- Obtain from the gas company the heating value and specific gravity of the gas delivered.
- 2. Determine the exact length of pipe needed.
- 3. Read BTUH input nameplate on the furnace.
- Use the multiplier opposite the specific gravity of the gas given in Multiplier Table and insert in the following formula:
- Use the Natural Gas Only table and select the pipe length nearest to calculated size.

# ${\bf CFH} = \frac{{\bf Furnace\ Input\ in\ BTUH}}{{\bf Gas\ Heat\ Contne\ in\ BTU/Cu.\ Ft.\ X\ Multi} plier$

- 6. Follow this line vertically down to the exact CFH found in Step 4 above or the next highest value.
- 7. Read horizontally to the left of this column for the required pipe size diameter.

Table 4. Specific Gravity Multiplier

	SPECIFIC GRAVITY	MULTIPLIER
MULTIPLIERS TO BE USED	.50	1.10
WHEN THE SPECIFIC GRAVITY	.55	1.04
OF THE GAS IS OTHER THAN 0.060	.60	1.00
	.65	.962

**Note:** If this is an LP Gas application, consult your LP Gas supplier for pipe sizes and deliveries.

Table 5. Natural Gas Only

TABLE OF CUBIC FEET PER HOUR OF GAS FOR VARIOUS PIPE SIZES AND LENGTHS								
PIPE								
SIZE (inch)	10	20	30	40	50	60	70	
1/2	132	92	73	63	56	50	46	
3/4	278	190	152	130	115	105	96	
1	520	350	285	245	215	195	180	
1-1/4	1-1/4 1050 730 590 520 440 400 370							
THIS TABL	FISBAS	ED ON I	DRESSII	DE DRO	DD OE O	3 INCH W	ıc	

#### **Gas Pressure Set-up Precautions**

AND 0.6 SP.GR. GAS

Important: Do not connect gas piping to the unit until a line pressure test has been completed. This unit should never be exposed to gas line pressure in excess of 14 inches water column (1/2 PSIG). The furnace and its equipment shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi.

The furnace must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures less than or equal to 1/2 psig (3.48 kPa).

#### **Gas Supply Line Pressure**

Before connecting the unit to the gas supply line, be sure to determine the gas pressure in the line.

If the gas supply pressure is excessive (above 14 inches water column or 1/2 psig), install a pressure regulator either at the supply source or in the branch circuit serving the unit. Once the regulator is installed, set it to provide a pressure of 7 inches water column with the unit operating and no greater than 14 inches water column with the unit not firing.

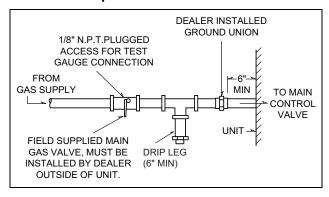
Note: Gas pressure in excess of 14 inches water column (1/2 psig) may damage the regulator, while improper regulation may result at pressures lower than 5.5 inches water column at the unit inlet.

If the supply line pressure is below the minimum supply pressure indicated on the unit nameplate, contact the gas supply company.

Follow these steps to complete the installation of the unit gas piping. See Table 6, p. 14.

**Note:** The shut-off gas cock must be installed outside of the unit and should meet the specifications of all applicable national and local codes.

Table 6. Gas Pipe



**Note:** The shut-off gas cock must be installed outside of the unit and should meet the specifications of all applicable national and local code.

- Install a ground union joint downstream of the shut-off cock. This joint must also be installed outside of the unit.
- Install a drip leg at least six (6) inches in depth next to the union as shown in Figure 9, p. 13. This drip leg is required to collect any sediment that may be deposited in the line.
- Before connecting the piping circuit to the unit, bleed the air from the supply line and then cap or plug the line and test the pressure at the tapped shut-off cock. The pressure reading should not exceed 13.8 inches water column.
- Using an appropriate backup wrench on the gas valve inlet boss, connect the gas piping to the unit. Check the completed piping for leaks using a soap and water solution or the equivalent.
- 5. After installation of the gas pipe in the unit, the pipe opening should be closed with the filler/barrier plug provided.

#### Verify Manifold Pressure

Check the manifold pressure at the unit gas valve. Do not exceed the recommended pressure shown on the unit nameplate. See Figure 10, p. 15 for connections. Refer to Manifold Pressure Check and Adjust in the following Step 5-Unit Startup section if adjustment is needed.

#### Input Check and Adjustment

 Make sure all gas appliances are off except the furnace.

- Clock the gas meter with the furnace operating (determine the dial rating of the meter) for one revolution.
- 3. Match the "Sec" column in the Gas Flow (in cfh) Table 7, p. 15 with the time clocked.
- Read the "Flow" column opposite the number of seconds clocked.
- Table 7, p. 15 lists values for a 2 cubic foot dial. For 1, 1/2, or 5 Cu. Ft. dials use the following conversions:
  - 1 Cu. Ft. Dial Gas Flow CFH = Chart Flow Reading / 2
  - 1/2 Cu Ft. Dial Gas Flow CFH = Chart Flow Reading / 4
  - 5 Cu. Ft. Dial Gas Flow CFH = 10X Chart Flow Reading / 4
- 6. Multiply the final figure by the heating value of the gas obtained from the utility company and compare

- to the nameplate rating. This must not exceed the nameplate rating.
- Changes can be made by adjusting the manifold pressure.
  - a. Attach a manifold pressure gauge to the Outlet Pressure Tap.
  - Remove the cover screw on top of the gas valve to access the manifold pressure adjustment screw
  - c. Turn the adjustment screw in to increase the gas flow rate, and out to decrease the gas flow rate using a 3/32" hex wrench or flat-head screwdriver.

**Note:** For manifold pressures and orifice sizes for gas with other BTU ratings, contact the local gas utility. Manifold pressure should be 3.5 inches water column (+ 0.1). Input for natural gas must **not** exceed the value shown on the rating plate.

Figure 10. Burner and Valve

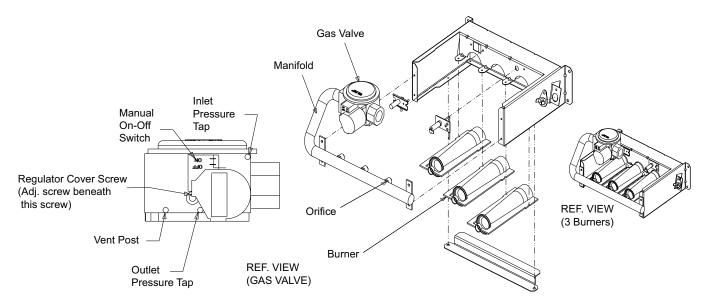


Table 7. Gas Flow (in cfh)

Sec.	Flow	Sec.	Flow	Sec.	Flow	Sec.	Flow
8	900	29	248	50	144	82	88
9	800	30	240	51	141	84	86
10	720	31	232	52	138	86	84
11	655	32	225	53	136	88	82
12	600	33	218	54	133	90	80
13	555	34	212	55	131	92	78
14	514	35	206	56	129	94	76
15	480	36	200	57	126	96	75
16	450	37	195	58	124	98	73
17	424	38	189	59	122	100	72

Table 7. Gas Flow (in cfh) (continued)

			·	=	-		
Sec.	Flow	Sec.	Flow	Sec.	Flow	Sec.	Flow
18	400	39	185	60	120	104	69
19	379	40	180	62	116	108	67
20	360	41	176	64	112	112	64
21	343	42	172	66	109	116	62
22	327	43	167	68	106	120	60
23	313	44	164	70	103	124	58
24	300	45	160	72	100	128	56
25	288	46	157	74	97	132	54
26	277	47	153	76	95	136	53

Table 7. Gas Flow (in cfh) (continued)

Sec.	Flow	Sec.	Flow	Sec.	Flow	Sec.	Flow
27	267	48	150	78	92	140	51
28	257	49	147	80	90	144	50

#### Air Filter Installation

The packaged unit requires an air filter. The unit does not come with a factory installed filter rack in it, however, two filter frame accessories are offered that will allow the installation of a filter within the unit, BAYFLTR101 & BAYFLTR201. Otherwise a field supplied filter rack must be installed by the installer in the return duct work.

Affix the filter label supplied with the unit adjacent to the filter area. Refer to table Table 8, p. 16 to determine filter size.

Table 8. Determine Filter Size

Unit	Nominal CFM Filter Size (Sq Ft)		Filter <sup>(a)</sup> Resistance (W.C.)
YC~4024A	800	2.67	0.08
YC~4030A	1000	3.33	0.08
YC~4036A	1200	4	0.08
YC~4042A	1400	4.67	0.08
YC~4048A	1600	5.33	0.08
YC~4060A	2000	6.67	0.08

<sup>(</sup>a) Filters must be installed in the return air system. The above square footages are based on 300 F.P.M. face velocity. If permanent filters are used, size per mfg. Recommendation with clear resistance of 0.05" WC.

Important: Air filters and media wheels or plates shall meet the test requirements in UL 900

#### **Electrical Wiring**

**Note:** This unit is factory wired for 230V. See wiring diagram for 208V conversion.

#### **Electrical Connections**

Electrical wiring and grounding must be installed in accordance with local codes or, in the absence of local codes, with the National Electrical Code ANSI/NFPA 70, Latest Revision.

#### **Electrical Power**

It is important that proper electrical power be available for the unit. Voltage variation should remain within the limits stamped on the unit nameplate.

#### **Disconnect Switch**

Provide an approved weatherproof disconnect within close proximity and within sight of the unit.

#### **Over Current Protection**

The branch circuit feeding the unit must be protected as shown on the unit's rating plate.

#### **Power Wiring**

The power supply lines must be run in weather-tight conduit to the disconnect and into the side of the unit control box. Provide strain relief for all conduit with suitable connectors.

Provide flexible conduit supports whenever vibration transmission may cause a noise problem within the building structure.

- Remove the Control/Heat access panel. Pass the power wires through the Power Entry hole in the end of the unit.
- Connect the high voltage wires to the appropriate contactor terminals. Single phase units use a two (2) pole contactor and three phase units use three (3) pole contactor. Connect the ground to the ground lug on the chassis.

Ensure all connections are tight.

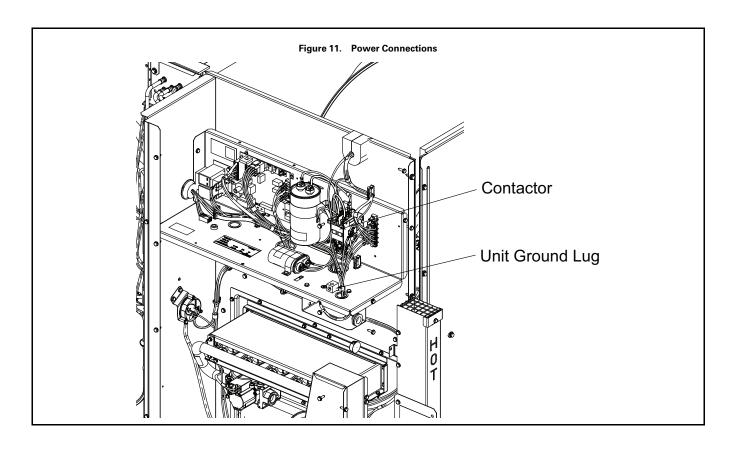
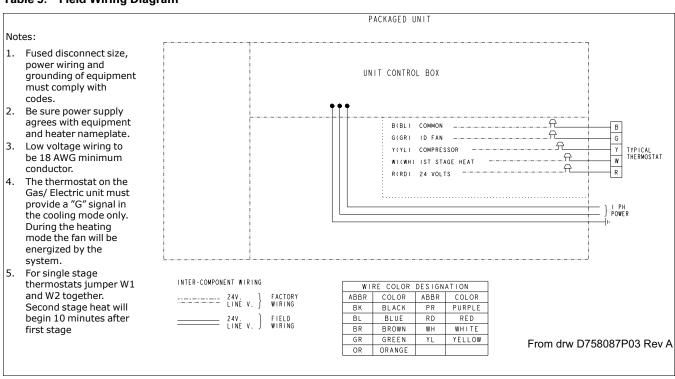


Table 9. Field Wiring Diagram



#### Control Wiring (Class II)

Low voltage control wiring should not be run in conduit with power wiring unless Class 1 wire of proper voltage rating is used. Route the thermostat cable or equivalent single leads of No. 18 AWG colored wire from the thermostat subbase terminals through the rubber grommet on the unit. See "Step 2 — Determine Unit Clearances," p. 5 for the control entry (24V Entry) location. Make connections as shown on Table 9, p. 17.

Do not short thermostat wires since this will damage the control transformer.

Refer to the table below for recommended wire sizes and lengths for installing the unit thermostat. The total resistance of these low voltage wires must not exceed one (1) ohm. Any resistance in excess of 1 ohm may cause the control to malfunction because of the excessive voltage drop.

Table 10. Thermostat Wire Size and Maximum Length

Wire Size	Maximum Length (Ft)
18	75
16	125
14	200

Important: Upon completion of wiring, check all electrical connections, including factory wiring within the unit, and make sure all connections are tight. Replace and secure all electrical box covers and access panels before leaving the unit or turning on the power to the unit.

#### **High Altitude Installation**

Input ratings (BTUH) of these furnaces are based on sea level operation and should not be changed at elevations up to 2000 ft. If the unit installation is from 2000 to 8000 feet elevation, then change the burner orifices to the size listed in Table 11, p. 18. Refer to Table 12, p. 18 for orifice part numbers.

Table 11. Orifice Twist Drill Size

Orifice Twist	Altitude Above Sea Level and Orifice Change Required for that Elevation								
Drill Size if Installed at Sea Level	2000	3000	4000	5000	6000	7000	8000		
32	33	34	35	35	36	36	37		
33	35	35	36	36	37	38	38		
37	38	39	39	40	41	42	42		
49	50	50	50	51	51	51	52		
52	52	53	53	53	53	53	54		
	From National Fuel Gas Code — Table F-4								

Table 12. Orifice Part Numbers

Drill Size	Part Number	Drill Size	Part Number	
32	ORF01307	41	ORF01413	
33	ORF0134	42	ORF01410	
34	ORF01335	49	ORF01333	
35	ORF01407	50	ORF01332	
36	ORF01408	51	ORF01336	
37	ORF01406	52	ORF01331	
38	ORF01306	53	ORF01411	
39	ORF01409	54	ORF01412	
40	ORF01336			

## Step 5 — Unit Startup

#### **Pre-Start Quick Checklist**

Is the unit properly located and level with the
proper clearances? See "Step 2 — Determine Unit
Clearances," p. 5.

- Is the duct work correctly sized, run, taped, insulated, and weatherproofed with proper unit arrangement as shown in the ductwork installation section?
- Is the condensate line properly sized, run, trapped, and pitched and shown in the Condensate Drain Piping section?
- ☐ Is the filter of the correct size and quantity? Is it clean and in place? See Air Filter Installation section.
- ☐ Is the wiring properly sized and run according to the unit wiring diagram?
- ☐ Are all the wiring connections, including those in the unit tight?
- ☐ Has the unit been properly grounded and fused with the recommended fuse size?
- ☐ Is the thermostat well located, level, and correctly wired? See Electrical Wiring section
- ☐ Have the air conditioning systems been checked at the service ports for charge and leak tested if necessary?
- ☐ Do the condenser fan and indoor blower turn free without rubbing and are they tight on the shafts?
- ☐ Has all work been done in accordance with applicable local and national codes?
- ☐ Are all covers and access panels in place to prevent air loss and safety hazards?

#### Starting the Unit in Cooling Mode

**Note:** See the section on Sequence of Operation for a description of the cooling operating sequence.

To start the unit in the cooling mode, set the comfort control to **COOL** and to a setting below room temperature. The condenser fan motor, compressor and evaporator fan motor will operate automatically. Continuous fan mode during Cooling operation may not be appropriate in humid climates. If the indoor air exceeds 60% relative humidity or simply feels uncomfortably humid, it is recommended that the fan only be used in the **AUTO** mode.

#### **Operating Pressure Checks**

After the unit has operated in the cooling mode for a short period of time, install pressure gauges on the gauge ports of the discharge and suction line valves (behind the Compressor access panel). Check the

suction and discharge pressures and compare them to the normal operating pressures provided in the unit's SERVICE FACTS.

Note: Do not use the PRESSURE CURVES from the unit's SERVICE FACTS to determine the unit refrigerant charge. The correct charge is shown on the unit nameplate. To charge the system accurately, weigh in the charge according to the unit nameplate and check subcooling against the Subcooling Charging Table in the SERVICE FACTS.

#### Voltage Check

With the compressor operating, check the line voltage at the unit (contactor is located behind the Control access panel). The voltage should be within the range shown on the unit nameplate. If low voltage is encountered, check the size and length of the supply line from the main disconnect to the unit. The line may be undersized for the length of the run.

#### **Cooling Shut Down**

Set the comfort control to **OFF** or to a setting above room temperature.

Important: De-energize the main power disconnect
ONLY when servicing the unit. Power may
be required to keep the heat pump
compressor warm and to boil off
refrigerant in the compressor.

#### Starting the Unit in Heating Mode

**Note:** See the section on Sequence of Operation for a description of the heat pump heating operating sequence.

These units are equipped with a solid-state ignition control that lights the burners each time the thermostat calls for heat. The burners are extinquished during the OFF cycle. To start the gas heating section of the unit:

- 1. Check that all grills and registers are open and all unit access panels are closed before start-up.
- 2. Purge the gas supply line of air by opening the union ahead (upstream) of the unit. When the odor of gas is detected, retighten the union and wait five (5) minutes before proceeding.
- 3. Be sure the thermostat is at its lowest setting and the power to the unit is off.
  - a. Turn the main shut-ff valve on the gas supply line to ON.
  - b. Turn the thermostat to the highest setting in the heating cycle.

- 4. Be sure the burner compartment access panel is in place.
  - a. Turn on the electrical power to the unit.
  - Turn the thermostat to the highest setting in the heating cycle.
- As the thermostat calls for heat, the system cycles as follows:
  - a. The combustion blower is energized.
  - b. The pressure switch is closed.
  - The gas valve opens and the ignitor lights the burner.
  - d. Cycle the thermostat on and off a few times to check out the control system and burner operation characteristics.
    - Note: For manifold pressures and orifice sizes for gas with other BTU ratings, contact the local gas utility. Manifold pressure should be 3.5 inches w.c. (+0.1). Input must not exceed the value shown on the rating plate.
  - e. With the burner operating, check the manifold pressure with a manometer.
- Do not exceed recommended pressures. If the manifold pressure needs adjustment, refer to Manifold Pressure Check and Adjust in the Maintenance section. With the burners operating, check the manifold pressure with a manometer.
- 7. If necessary, adjust the unit to obtain an air temperature rise with that specified on the unit nameplate. To adjust, refer to the Indoor Fan Motor Speed Adjustment in the Maintenance section.

- Note: Blue smoke produced by the heat exchanger during the initial burner firing is caused by a thin film of oil on the surface of the heat exchanger. This oil will burn off quickly.
- 8. Set the thermostat at the desired temperature setting and the unit will function automatically.

#### **Final Installation Checklist**

	Does the unit run and operate as described in the section on "Sequence of Operation" in response to the room thermostat?
	Are the condenser fan and indoor blower operating correctly with proper rotation and without undue noise?
	Is the compressor operating correctly and has the system been checked with a charging chart?
	Has the voltage and running current been checked to deter mine if it is within limits?
	Has the thermostat been checked for calibration and the air discharge grilles adjusted to balance the system?
	Has the ductwork been checked for air leaks and condensation?
	Has the furnace manifold pressure been checked and adjusted if necessary?
	Has the heating air temperature rise been checked?
	Has the unit been checked for tubing and sheet metal rattles? Are there any other unusual noises to be checked?
	Are all covers and panels in place and properly fastened?
	Has the owner been instructed on the proper operation and maintenance of the unit? Be sure to leave this manual with the owner.

## **Sequence of Operation**

#### General

Operation of the system cooling (and optional heating) cycles is controlled by the comfort control. Once the comfort control is set to either **HEAT** or **COOL**, unit operation is automatic. The optional automatic changeover control, when set to **AUTO**, automatically changes to heat or cool with sufficient room temperature change.

The fan can be set to **ON**, causing continuous evaporator (indoor) fan operation or set to **AUTO** causing fan operation to coincide with heating or cooling run cycles. Continuous fan mode during cooling operation may not be appropriate in humid climates. If the indoor air exceeds 60% relative humidity or simply feels uncomfortably humid, it is recommended that the fan only be used in the **AUTO** mode.

#### **Cooling Mode**

With the comfort control set to **COOL** and the fan set to **AUTO**, the compressor contactor (CC) and the indoor fan motor (IDM) are energized.

The energized compressor contactor (CC) completes the circuit to the compressor (CPR) and a secondary circuit to the outdoor fan motor (ODM). If the compressor safety controls are closed, the compressor (CPR) will operate with the outdoor fan motor (ODM). The indoor fan motor (IDM) will operate. The comfort control will continue to cycle the compressor and fans to maintain the desired temperature.

With the fan set to **ON**, the indoor fan motor (IDM) will continue to run regardless of compressor and condenser fan operation.

#### **Heating Cycle**

#### Thermostat call for heat

(R) and (W) thermostat contacts close signaling the control module (IGN) to run its self-check routine. After the control has verified that the pressure switch (PS) contacts are open, the limit switch (TCO) contacts are closed, and the flame rollout (RO) switch is closed, the induced draft blower (CFM) will be energized.

After the induced draft blower (CFM) has come up to speed, the control will verify that the pressure switch (PS) contacts are closed and run the induced draft blower for a 20 second pre-purge. The gas valve (GV) is energized to permit gas flow and the spark ignitor (IP) is energized. The flame detector (FD) confirms that ignition has been achieved within the 7 second trial period.

As the flame detector confirms that ignition has been achieved the delay to indoor fan on period begins timing and after approximately 45 seconds, the indoor

blower motor (IDM) will be energized and will continue to run during the heating cycle.

#### Thermostat satisfied:

(R) and (W) contacts open signaling the control module to close the gas valve and de-energize the induced draft blower after approximately 5 seconds post-purge. The indoor blower motor will continue to operate at the current speed for 60 or 90 seconds (field selectable) after the flames are extinguished.

#### Safety Sequences

This product is equipped with safety devices to protect against abnormal conditions.

The temperature limit switch (TCO) is located on the blower barrier, and can be accessed through the blower compartment. This automatic reset device protects against excessive leaving air temperature. If this device opens, the gas valve is immediately closed and will not permit operation until the limit switch closes.

The rollout switch (RO) is located in the gas compartment near the inlet of the burners. This is a manual reset device designed to protect against any form of flame rollout. If this device is opened the gas valve is immediately de-energized and the control (IGN) will lockout the system. The rollout switch (RO) must be reset before operation is allowed to continue.

The pressure switch (PS) is located in the upper right side of the gas compartment. This automatic device assures adequate combustion air pressure. If pressure against the induced draft blower outlet becomes excessive, the pressure switch will react and shut off the gas valve, until acceptable combustion pressure is again available.

If the control (IGN) does not sense flame within the first trial for ignition period, the gas valve will be deenergized. The control (IGN) will initiate a 60 seconds interpurge. Following the interpurge, the control will perform a second ignition attempt. If the second try is not successful, the control will start another 60 second interpurge. After the interpurge, a third attempt will be tried. If the third try is not successful, the control will lock out.

If loss of flame occurs during a heating cycle, the control (IGN) will close the gas valve and cycle through the ignition trial as stated above.

If control lock out occurs, the control (IGN) will retry a complete ignition sequence in 1 hour.

The control (IGN) can be reset by removing power to the unit or by turning the thermostat from "on" to "off" for approximately three seconds, then back "on".

Table 13. IGN LED Diagnostic Indicators

	Status LED	Liteport LED					
Steady OFF	Check Power or Failed Board	2 Flashes	System Lockout: Failed to detect or sustain flame				
Slow Flash Rate	Normal, No Call for Heat	3 Flashes	Pressure switch problem detected				
Fast Flash Rate	Not used	4 Flashes	High Limit switch protection device open				
Steady ON	Normal, Call for Heat	5 Flashes	Flame sensed and gas valve <u>not</u> energized or flame sensed and no "W" signal.				
		6 Flashes	Flame Rollout Switch open				
		7 Flashes	Thermostat miswired; W! & W2				

Fast Flash Rate: The LED will flash on for 1/4 second and off for 1/4 second. Slow Flash Rate: The LED will flash on for 3/4 second, then off for 1/4 second. The pause between groups of fast flashes is 3 seconds.

## **Airflow Tables**

	Cooling Range 600 — 900 CFM											
4YCA4024A1	Tap No.	ESP	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
Constant	0	CFM	818	634	437	236						
Circulation	U	WATTS	93	75	60	52						
Cooling - Low	0	CFM	924	864	794	733	673	613	548	478	385	271
Cooling - Low		WATTS	123	130	136	142	147	153	158	162	164	165
Cooling - High	0	CFM	1140	1094	1046	989	929	875	830	781	733	675
Cooling - High	U	WATTS	213	221	229	237	244	250	257	264	270	277
Heat Law	0	CFM	990	937	876	809	751	701	646	585	523	439
Heat - Low	U	WATTS	151	158	165	171	177	183	189	195	199	202
Heat - High		CFM	1144	1103	1055	1001	941	890	838	791	748	696
neat - nign	0	WATTS	224	231	239	248	254	261	268	275	282	288

	Cooling Range 750 — 1125 CFM											
4YCA4030A1	Tap No.	ESP	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
Constant	0	CFM	731	555	372	178						
Circulation	0	WATTS	85	69	55	48						
Cooling - Low	0	CFM	1116	1060	1006	950	898	849	805	760	723	668
Cooling - Low		WATTS	230	239	247	255	263	270	277	283	289	294
Cooling - High	0	CFM	1276	1229	1186	1137	1087	1039	994	950	913	874
Cooming - mgm	0	WATTS	230	239	247	255	263	270	277	283	289	294
Heat - Low	0	CFM	1116	1060	1006	950	898	849	805	760	723	668
neat - Low	U	WATTS	230	239	247	255	263	270	277	283	289	294
Heat - High		CFM	1222	1171	1117	1067	1018	971	925	884	844	802
ileat - High	0	WATTS	296	305	315	324	332	341	349	356	363	370

	Cooling Range 900 — 1350 CFM											
4YCA4036A1	Tap No.	ESP	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
Constant	0	CFM	798	719	650	590	525	451	368			
Circulation	U	WATTS	95	102	109	114	118	124	125			
Cooling - Low	0	CFM	1316	1266	1220	1166	1114	1064	1021	975	937	901
Cooming - Low		WATTS	315	325	336	347	357	367	375	384	392	399
Cooling - High	0	CFM	1461	1421	1373	1327	1277	1239	1192	1150	1108	1068
cooming - mign	U	WATTS	425	435	446	458	469	482	492	502	512	522
Heat - Low	0	CFM	1145	1091	1031	971	917	869	826	780	734	684
neat - Low	U	WATTS	222	230	240	249	258	266	272	28	285	293
Hoot - High		CFM	1297	1248	1200	1147	1095	1047	1001	960	918	879
Heat - High	0	WATTS	312	321	332	342	352	361	370	378	387	394

	Cooling Range 1050 — 1575 CFM											
4YCA4042A1	Tap No.	ESP	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
Constant	0	CFM	841	722	646	542	457	356	230			
Circulation	U	WATTS	100	99	104	109	112	114	115			
Cooling - Low	0	CFM	1444	1367	1301	1238	1187	1124	1070	1019	961	898
Cooling - Low		WATTS	342	352	360	368	377	388	395	402	408	416
Cooling - High	0	CFM	1670	1606	1536	1475	1420	1366	1308	1260	1214	1168
Cooling - High		WATTS	493	503	513	523	532	542	554	565	572	579
Heat Law	0	CFM	1362	1286	1212	1158	1096	1040	986	923	854	794
Heat - Low	U	WATTS	307	316	324	332	341	350	357	365	373	378
High Heating	0	CFM	1546	1479	1411	1349	1289	1231	1188	1140	1088	1033
підії пеаціпу	U	WATTS	427	434	444	453	461	471	481	489	498	505

	Cooling Range 1200 — 1800 CFM											
4YCA4048A1	Tap No.	ESP	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
Constant	0	CFM	1033	787	495	357						
Circulation	U	WATTS	118	95	74	72						
Cooling - Low	0	CFM	1659	1592	1533	1473	1395	1346	1275	1214	1160	1109
Cooling - Low	0	WATTS	357	371	383	396	411	419	430	440	449	457
Cooling - High	0	CFM	1866	1807	1748	1693	1634	1574	1523	1473	1408	1355
Cooling - High		WATTS	483	499	514	528	543	557	568	583	592	601
Heat Law	0	CFM	1928	1876	1819	1764	1714	1660	1602	1543	1482	1437
Heat - Low	0	WATTS	526	541	557	573	586	601	613	627	641	651
Uest Uish	0	CFM	1829	1769	1702	1643	1585	1528	1452	1404	1343	1296
Heat - High	0	WATTS	457	474	489	505	518	529	544	553	563	572
Uish Usatins		CFM	2022	1964	1907	1844	1779	1712	1645	1585	1523	1462
High Heating	0	WATTS	537	553	568	585	602	617	632	645	657	668

	Cooling Range 1500 — 2250 CFM											
4YCA4060A1	Tap No.	ESP	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
Constant	0	CFM	902	655	458	239						
Circulation	O	WATTS	105	85	71	65						
Cooling - Low	0	CFM	1692	1630	1574	1520	1450	1362	1289	1219	1173	1117
Cooling - Low	0	WATTS	377	391	404	416	426	438	450	461	471	479
Cooling - High	0	CFM	2042	1985	1930	1879	1829	1777	1717	1634	1570	1500
Cooling - High		WATTS	624	640	654	670	684	696	708	723	736	750
	_	CFM	2282	2229	2173	2125	2076	2027	1978	1923	1840	1744
Heat - Low	0	WATTS	840	803	881	897	915	932	945	958	955	952
Heat - High	0	CFM	1721	1670	1631	1579	1532	1478	1410	1333	1287	1229
Heat - High	0	WATTS	483	496	506	519	530	549	556	568	577	586
High Heating		CFM	1795	1746	1700	1653	1606	1574	1479	1423	1357	1310
підії неаціпу	0	WATTS	537	550	563	576	588	605	615	623	636	646

### **Maintenance**

#### **Owner Maintenance**

Some of the periodic maintenance functions of the unit can be performed by the owner; this includes replacing the disposable or cleaning the permanent air filters, cleaning the unit cabinet, cleaning the condenser coil, and conducting a general unit inspection on a regular basis.

#### **Filters**

When the system is in constant operation, inspect the filters at least once each month.

If the unit has disposable-type filters, replace them with new filters of the same type and size. **Do not attempt** to clean disposable filters.

Permanent-type filters can be cleaned by washing them with a mild detergent and water. Make sure that the filters are thoroughly dry before reinstalling them in the unit (or duct system).

Note: It may be necessary to replace permanent filters annually if washing fails to clean the filter or if the filter shows signs of deterioration. Be sure to use the same type and size as was originally installed.

#### Condenser Coil

Be sure to keep all vegetation and debris away from the condenser coil area.

#### Service Maintenance

#### **Cooling Season**

To keep the unit operating safely and efficiently, the manufacturer recommends that a qualified service technician check the entire system at least once each year or sooner if needed. The service technician should examine these areas of the unit:

- filters (for cleaning or replacement)
- motors and drive system components
- economizer gaskets (for possible replacement)
- safety controls (for mechanical cleaning)
- electrical components and wiring (for possible replacement and connection tightness)
- condensate drain (for proper sealing and cleaning)
- unit duct connections (to see that they are physically sound and sealed to the unit casing)
- unit mounting support (for structural integrity)
- the unit (for obvious unit deterioration)

#### **Heating Season**

Complete the following unit inspections and service routines at the beginning of each heating season.

- Visually inspect the unit to ensure that the airflow required for combustion and condenser coil is not obstructed from the unit.
- Inspect the control panel wiring to verify that all electrical connections are tight and that the wire insulation is intact.

## **Important Product Information**

Packaged Unit Serial Number
Packaged Unit Model Number
Date of Installation
Dealer
Service Information
Call your installing dealer if the unit is inoperative. Before you call, always check the following to be sure service is required:
1. Be sure the main switch that supplies power to the unit is in the ON position.
2. Replace any burned-out fuses or reset circuit breakers.
3. Be sure the thermostat is properly set.
Service Phone

#### About Trane and American Standard Heating and Air Conditioning

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