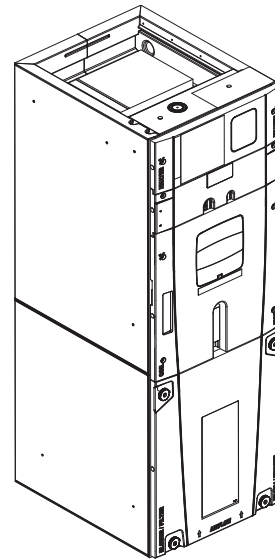


Installation, Operation, and Maintenance

Variable Speed Air Handlers Convertible 2 – 5 Ton

TAMXB0A24V21DB
TAMXB0B30V31DB
TAMXB0C36V31DB
TAMXB0C42V41DB
TAMXB0C48V41DB
TAMXB0C60V51DB



The Diagnostics Mobile App is available by scanning a QR code located inside this unit or by searching for the Link Diagnostics App in your App Store.

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

Note: For use with BAYEA series heaters ONLY.

Note: This unit can be used in Link Communicating mode or 24 volt mode.

Note: Need to use Diagnostics App to configure blower delays and accessories etc., in 24 volt mode.

⚠ 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

AIR HANDLERS

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.

⚠ 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.

⚠ 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.

⚠ WARNING

LIVE ELECTRICAL COMPONENTS!

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

Follow all electrical safety precautions when exposed to live electrical components. It may be necessary to work with live electrical components during installation, testing, servicing, and troubleshooting of this product.

⚠ WARNING

PRESSURIZED REFRIGERANT!

Failure to follow this Warning could result in personal injury

System contains oil and refrigerant under high pressure. Recover refrigerant to relieve pressure before opening the system. Do not use non-approved refrigerants or refrigerant substitutes or refrigerant additives.

⚠ CAUTION

SHARP EDGE HAZARD!

Failure to follow this Caution could result in property damage or personal injury. Be careful of sharp edges on equipment or any cuts made on sheet metal while installing or servicing.

⚠ 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: Panel damage can occur with prolonged exposure to POE lubricants. Air handler front panels that come in contact with POE oil must be washed immediately with soapy water.

Important: The TAMX air handlers are only compatible with BAYEA** internal electric heaters.

Note: Representative illustrations only included in this document. Most illustrations display the upflow configuration.

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Installer Guide Notes

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 upon completion of work

Important: These instructions do not cover all variations in systems nor provide for every possible contingency to be met in connection with the installation. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to your installing dealer.

Important: The 24 volt low voltage wire harness is shipped in the supplied document pack.

Note: The manufacturer recommends installing ONLY

A.H.R.I. approved, matched indoor and outdoor systems. Some of the benefits of installing approved matched indoor and outdoor split systems are maximum efficiency, optimum performance, and the best overall system reliability.

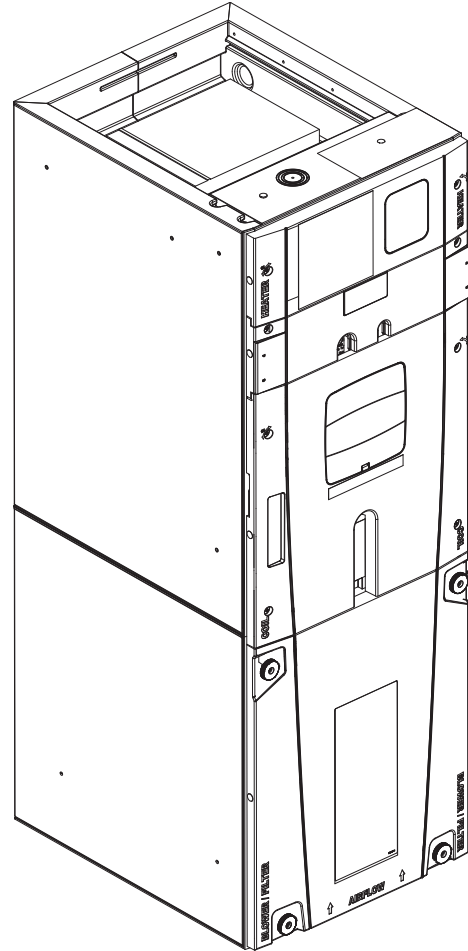
Note: Condensation may occur on the surface of the air handler when installed in unconditioned spaces, verify that all electrical and refrigerant line penetrations on the air handler are sealed completely.

The TAMX air handlers will only use the following internal electric heaters:

BAYEAAC04BK1	BAYEAAC10LG1
BAYEAAC04LG1	BAYEAAC10LG3
BAYEAAC05BK1	BAYEABC15BK1
BAYEAAC05LG1	BAYEABC15LG3
BAYEAAC08BK1	BAYEABC20BK1
BAYEAAC08LG1	BAYEACC25BK1
BAYEAAC10BK1	

Note: Duct heaters cannot be applied with this air handler.

Note: The heater size will be automatically configured by installing a resistor in the Electric heat harness located in the electric heat compartment and will be included with the BAYEA heater.



Unit Design

Table 1. Cabinet Penetration

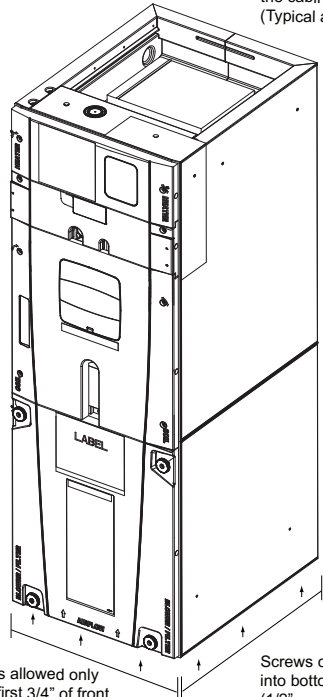
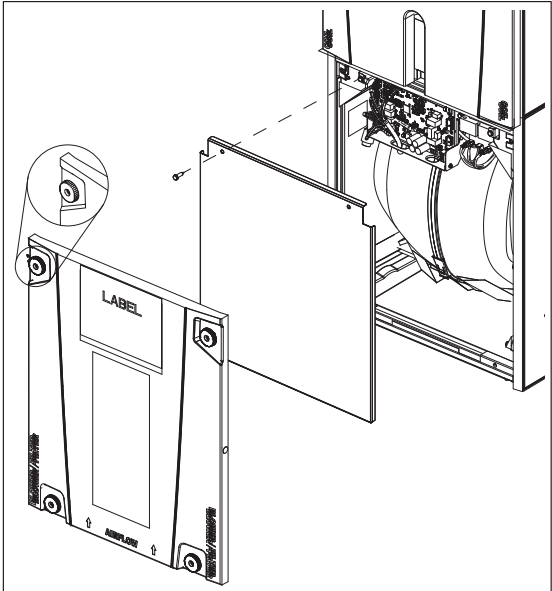
<p>Important: Due to the unique design of this unit, which allows the electrical wiring to be routed within the insulation, do not screw, cut, or otherwise puncture the unit cabinet in any location other than the ones illustrated.</p> <p>Important: Under no conditions should metal strapping be attached to the unit to be used as support mechanisms for carrying or suspension purposes.</p>	 <p>Screws for flange kit attachment are allowed along the interior of the cabinet (see arrows) (Typical all sides)</p> <p>Screws are allowed up to 3- 3/4" from the top of the cabinet (heater compartment). (Typical both sides)</p> <p>No penetrations allowed. (Typical all sides)</p> <p>Screws, saw cuts, and other penetrations are allowed in the blower section for installation of Side Return Kit. (Typical both sides)</p> <p>Screws allowed only in the first 3/4" of front bottom of unit (in cross member)</p> <p>Screws can be drilled into bottom of unit. (1/2" max. screw length) (Typical all sides)</p>
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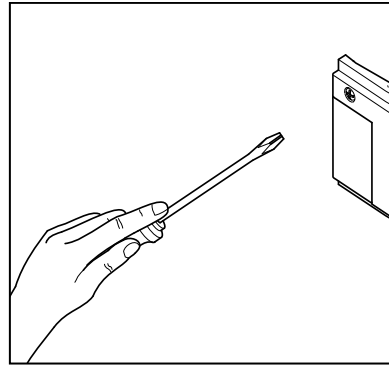
Table 2. Panel Removal

<p>The unit contains four (4) access panels: Blower/Filter, Coil, Line Set, and Heater.</p> <p>The Blower/Filter panel is removed using thumb screws.</p> <ol style="list-style-type: none"> 1. Turn thumb screws on Blower/Filter panel. 2. Pull top of panel out, away from cabinet. 3. Lift panel up out of channel. 4. Set aside. <p>The Block off plate is removed with a 5/16" nut driver.</p> <ol style="list-style-type: none"> 1. Remove the two 5/16" screws at the top of the block off plate. 2. Pull top of panel out, away from cabinet. 3. Lift panel up and off mounting bosses at the bottom. 4. Set aside. 	
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Unit Design

The Coil, Line Set, and Heater panels are removed using Phillips head screws.

Removal requires #3 Size Phillips



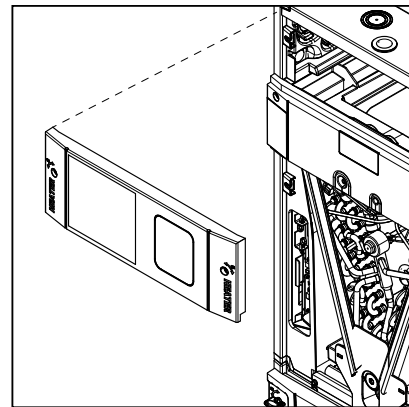
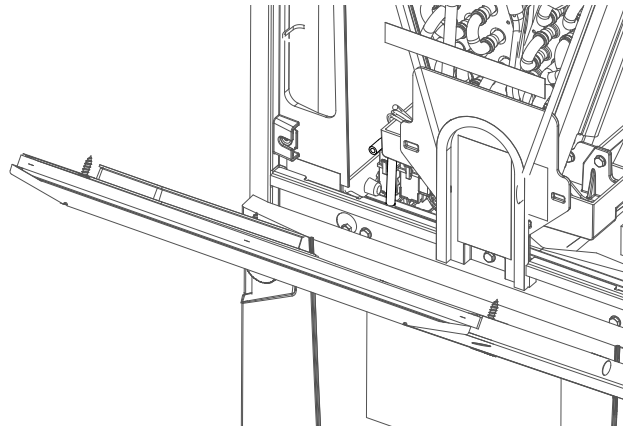
Coil and Heater panels must be removed prior to removing the Line Set panel.

To remove Coil Panel:

1. Turn screws on Coil panel.
2. Rotate bottom of panel away from cabinet.
3. Remove panel from channel.
4. Set aside.

To remove Heater Panel:

1. Turn screws on Heater panel.
2. Pull panel straight out, away from cabinet.
3. Set aside.

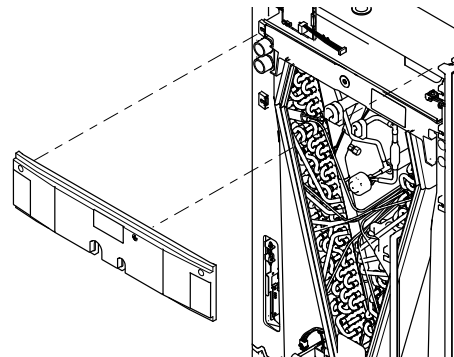


Removal of the Line Set panel is required for all refrigerant line brazing and some condensate line assembly depending on your orientation.

To remove Line Set panel:

1. Remove both Heater and Coil panels.
2. Turn screws on Line Set panel.
3. Pull panel straight out, away from cabinet.
4. Set aside.

Note: After replacing all panels, loosen the Line Set panel screws approximately 1/4 — 1/2 turn. This will improve the seal between the Heater Panel and Line Set panel.



Unit Install Preparation

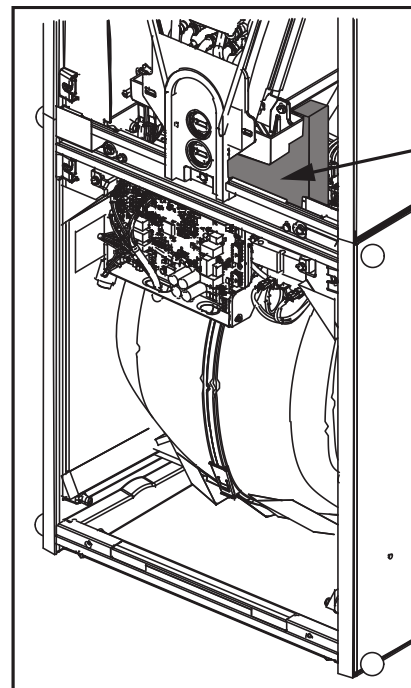
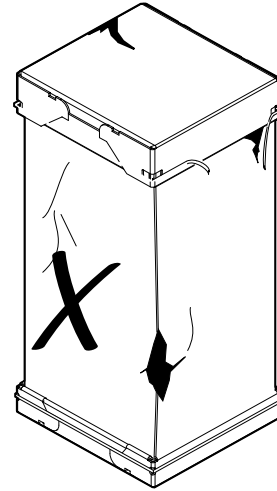
1. Check for damage and report promptly to the carrier any damage found to the unit.

Note: If the unit must be transported in a horizontal position, it must be laid on its back (marked "REAR" on carton).

Note: After unit is removed from the carton, verify coil is pressurized. Carefully remove the liquid line plug. If no pressure is released, check for leaks.

Note: Remove the cardboard from the bottom of the blower. Cut the tie wrap and remove the foam shipping block located at the motor.

Note: Remove the ANA foam found between the blower and evaporator coil.



ANA
Foam

Optional Accessories

Accessory Number	Description	Fits Cabinet Size (a)
BAYEAC04BK1	Electric Heater, 4kW, Breaker, 24V Control, 1 Ph	A to C
BAYEAC04LG1	Electric Heater, 4kW, Lugs, 24VControl, 1 Ph	A to C
BAYEAC05BK1	Electric Heater, 5kW, Breaker, 24V Control, 1 Ph	A to C
BAYEAC05LG1	Electric Heater, 5kW, Lugs, 24VControl, 1 Ph	A to C
BAYEAC08BK1	Electric Heater, 8kW, Breaker, 24V Control, 1 Ph	A to C
BAYEAC08LG1	Electric Heater, 8kW, Lugs, 24VControl, 1 Ph	A to C
BAYEAC10BK1	Electric Heater, 10kW, Breaker, 24V Control, 1 Ph	A to C
BAYEAC10LG1	Electric Heater, 10kW, Lugs, 24VControl, 1 Ph	A to C
BAYEABC15BK1	Electric Heater, 15kW, Breaker, 24V Control, 1 Ph	B to C
BAYEABC20BK1	Electric Heater, 20kW, Breaker, 24VControl, 1 Ph	C
BAYEACC25BK1	Electric Heater, 25kW, Breaker, 24V Control, 1 Ph	C
BAYEAC10LG3	Electric Heater, 10kW, Lugs, 24VControl, 3 Ph	A to C
BAYEABC15LG3	Electric Heater, 15kW, Lugs, 24V Control, 3 Ph	B to C
BAYSUPFLGAA	Supply Duct Flange A	A
BAYSUPFLGBA	Supply Duct Flange B	B
BAYSUPFLGCA	Supply Duct Flange C	C
BAYRETFLGAA	Return Duct Flange A	A
BAYRETFLGBA	Return Duct Flange B	B
BAYRETFLGCA	Return Duct Flange C	C
BAYSRKIT100A	Side Return Kit	A to C
BAYFLR1620A	High Velocity Filter Kit, 16" x 20" x 1" (10 filters)	A
BAYFLR2020A	High Velocity Filter Kit, 20" x 20" x 1" (10 filters)	B
BAYFLR2220A	High Velocity Filter Kit, 22" x 20" x 1" (10 filters)	C
TASB175SB (b) (c)	Plenum Stand with integrated sound baffle A	A
TASB215SB	Plenum Stand with integrated sound baffle B	B
TASB235SB	Plenum Stand with integrated sound baffle C	C
MITISRKIT01A	Side Return Kit with 16" x 20" Filter	A to C
BAYFRKIT175	Front Return Kit for 17.5" Cabinet	A
BAYFRKIT210	Front Return Kit for 21.0" Cabinet	B
BAYFRKIT235	Front Return Kit for 23.5" Cabinet	C
TAYBASETAMA	Downflow Sub-Base Kit	A to C
BAYBAFKT175A (d)	Sound Baffle Kit for 17.5" Cabinet	A
BAYBAFKT215A	Sound Baffle Kit for 21.0" Cabinet	B
BAYBAFKT235A	Sound Baffle Kit for 23.5" Cabinet	C
TASSBK175 (e) (f)	Sound Baffle Kit for 17.5" Cabinet	A
TASSBK210	Sound Baffle Kit for 21.0" Cabinet	B
TASSBK235	Sound Baffle Kit for 23.5" Cabinet	C
BAYICSKIT01A	Internal Condensate Switch Kit	A to C
BAYHHKIT001A	Horizontal Hanger Kit	A to C
BAYUVCLK001A	UV Lights	A to C
BAYLVKIT100A	Low Voltage Conduit Entry Kit	A to C
BAYSPEKT200A	Single Power Entry Kit	A to C
BAYWAAA05SC1AA	Hydronic Coil — 50,000 BTUH — Slide-in	A to A
BAYWABB07SC1AA	Hydronic Coil — 70,000 BTUH — Slide-in	B to B
BAYWACC08SC1AA	Hydronic Coil — 80,000 BTUH — Slide-in	C to C
BAYWACC11SC1AA	Hydronic Coil — 100,000 BTUH — Add on	C to C
BAYWACNTKT05	Relay Kit for use with BAYWAAA05SC1A	A
BAYWACNTKT07	Relay Kit for use with BAYWABB07SC1A	B
BAYWACNTKT08	Relay Kit for use with BAYWACC08SC1A	C
BAYWACNTKT11	Relay Kit for use with BAYWACC11SC1A	C
BAYINSKT175A	Solcoustic® Liner Kit for 17.5" cabinet	A
BAYINSKT215A	Solcoustic® Liner Kit for 21.5" cabinet	B
BAYINSKT235A	Solcoustic® Liner Kit for 23.5" cabinet	C
BAYCNDPIP01A	3/4" PVC Threaded Pipe Kit foam Seal (10 per box)	A to C
BAYSENSC360	Supply Air Temperature Sensor	A to C
BAYAHPTKT	Return Air Pressure Transducer	A to C

(a) A Cabinet is 17.5" wide, B Cabinet is 21.5" wide, C Cabinet is 23.5" wide.

(b) Contact your distributor for information.

(c) In open air applications, the plenum stand with sound baffle provides sound reduction.

(d) Mounts inside air handler filter channel.

(e) In return plenum applications, use TASSBK for sound reduction.

(f) Mounts to TASB original plenum stand without integrated baffle.

Optional Cabinet Disassembly

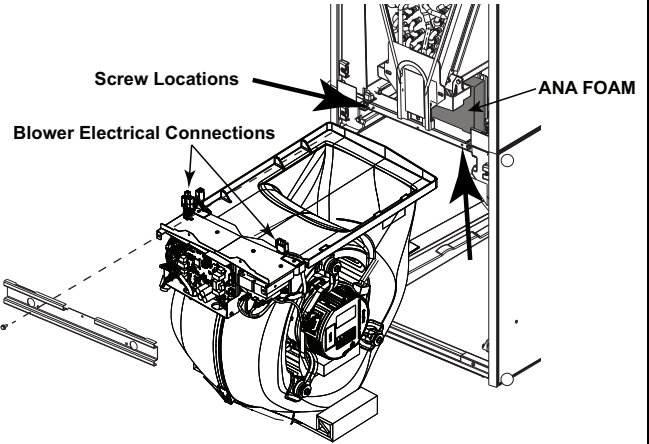
Note: If the unit must be transported in a horizontal position, it must be laid on its back (marked "REAR" on carton).

Note: To reassemble cabinet, follow the steps in reverse order. Ensure electrical connections are secure and the plug clips are engaged.

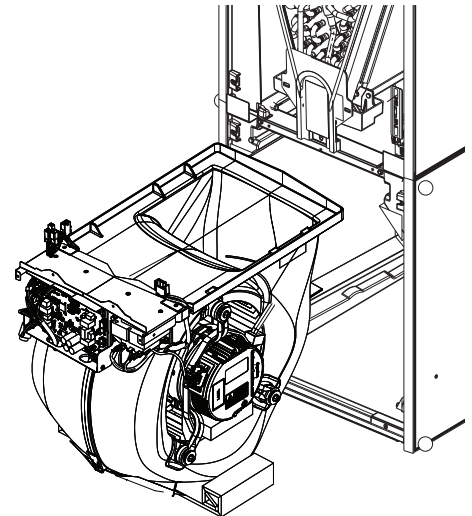
1. Remove all four front panels.
2. Remove the two screws on the seal bar and pull the seal bar straight out.
3. Disconnect all wiring connections routed to the blower assembly.
 - a. Disconnect the air pressure hose.

Note: Remove the cardboard from the bottom of the blower. Cut the tie wrap and remove the foam block located at the motor.

Note: Remove ANA Foam from under the upflow drainpan.



4. Slide Blower assembly out of unit using built-in blower support channels and set aside.

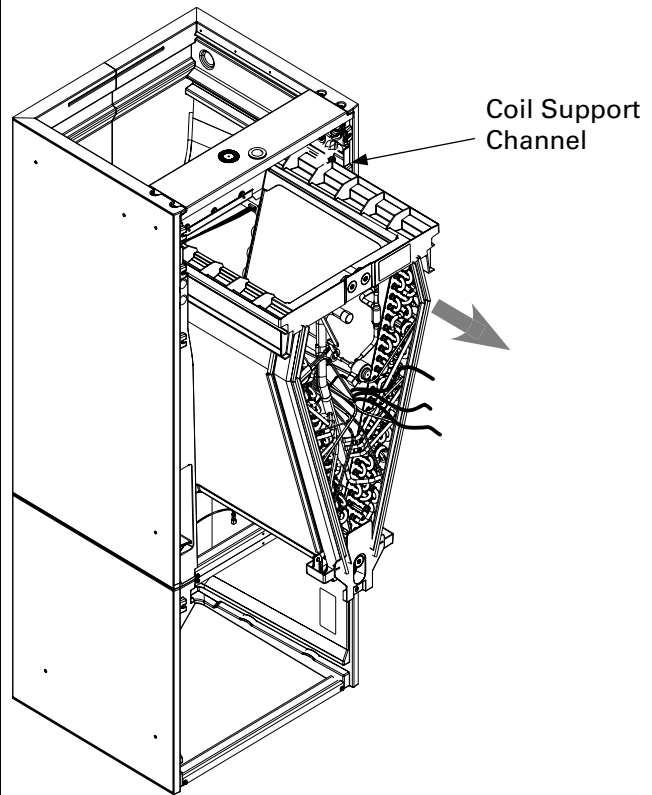


5. Disconnect wires to the EEV motor and sensors. Cut the wire ties on those wire harnesses if necessary and replace after re-installing.

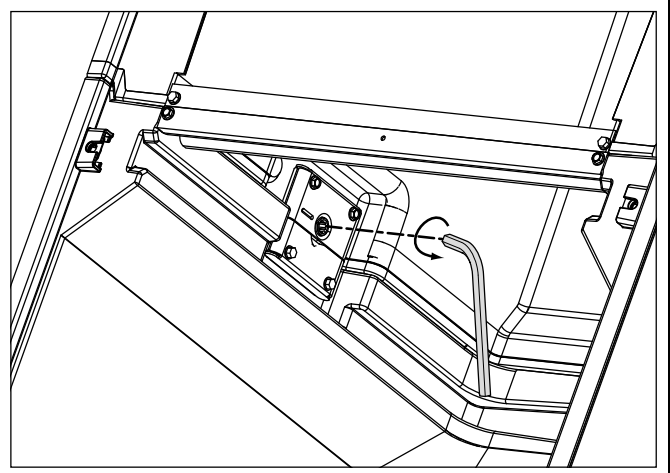
Note: If cut, wire ties that held the sensor must be replaced after the coil is placed back into the cabinet.

Optional Cabinet Disassembly

6. Slide Coil assembly out of unit using built-in coil support channels and set aside

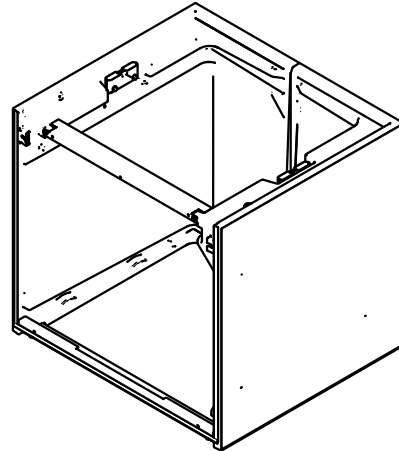
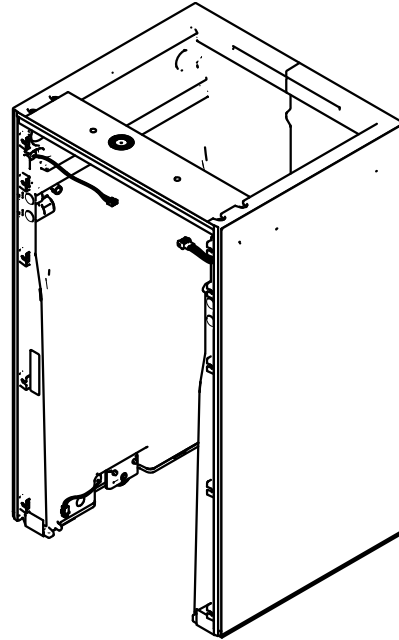


7. Use a 5/16 Allen wrench on the locking mechanism on each side of the bottom half of the cabinet to loosen the locking mechanism. The locks loosen by turning counter-clockwise approximately 3/4 of a turn.



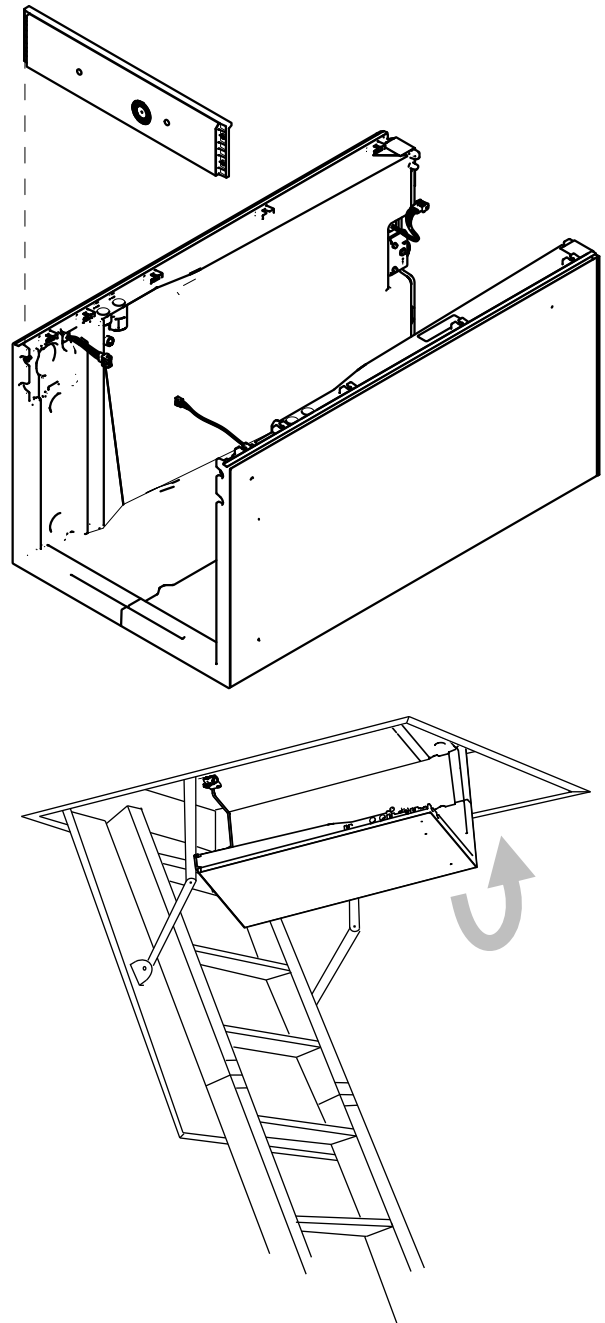
8. Lift the Coil section up and away from the Blower section. Set aside.

Note: When separating the two cabinet pieces, make sure the gasket remains intact.



Optional Cabinet Disassembly

9. For extremely tight spaces where the cabinet needs to be rotated through a small opening, remove the top panel and all cross members. Use a manual driver to avoid stripping screw holes.

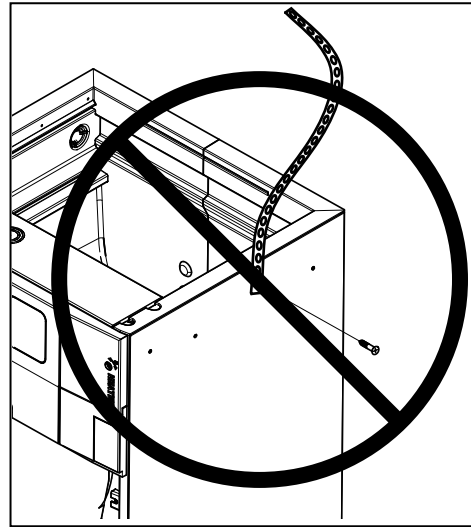


10. Continue preparation by following the proper carrying procedures shown in the next section.

Placing Unit at Location

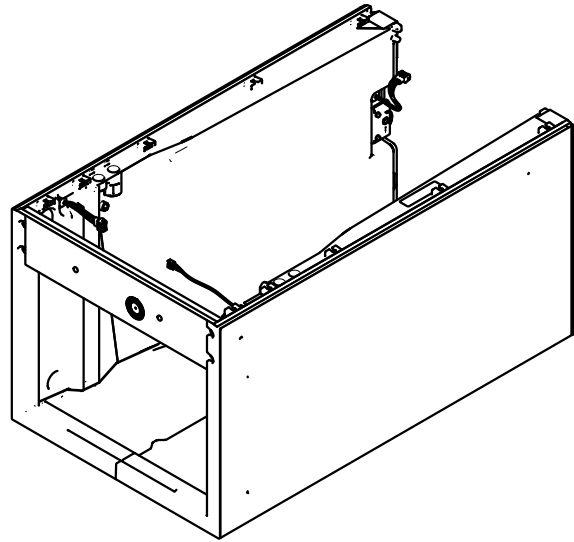
1. Carry the unit to the installation location
2. Reassembly by reversing the steps listed in Section 4 if disassembly was required. If cut, wire ties that held the sensor wiring must be replaced.

Important: Under no conditions should metal strapping be attached to the unit to be used as support mechanisms for carrying or suspension purposes.

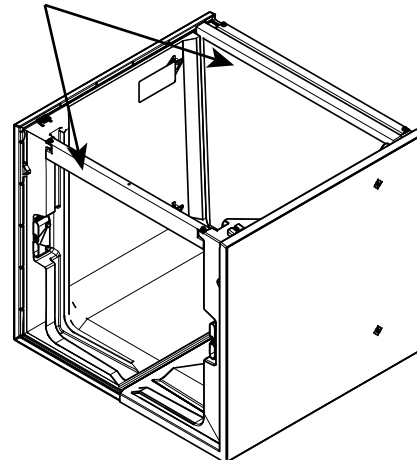


Approved Carrying:

- Hold by the cross members within the cabinet or unit top plate and use as handles for lifting and carrying the coil and blower sections.



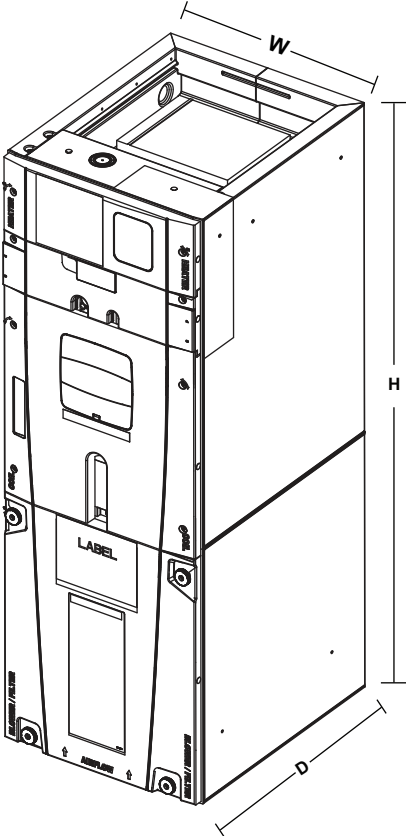
Cross Members



Unit Location Considerations

Table 3. Unit Dimensions and Weight

MODEL NUMBER	H x W x D (inches)	Coil and Heater Compartment Height * (inches)	Unit Net Weight (pounds)
TAMXB0A24V21DB	49.9 x 17.5 x 21.8	28.1	120
TAMXB0B30V31DB	55.7 x 21.3 x 21.8	33.9	133
TAMXB0C36V31DB	56.9 x 23.5 x 21.8	35.1	143
TAMXB0C42V41DB	56.9 x 23.5 x 21.8	35.1	158
TAMXB0C48V41DB	61.7 x 23.5 x 21.8	39.9	174
TAMXB0C60V51DB	61.7 x 23.5 x 21.8	39.9	178
* Blower compartment height is 21.8 inches.			

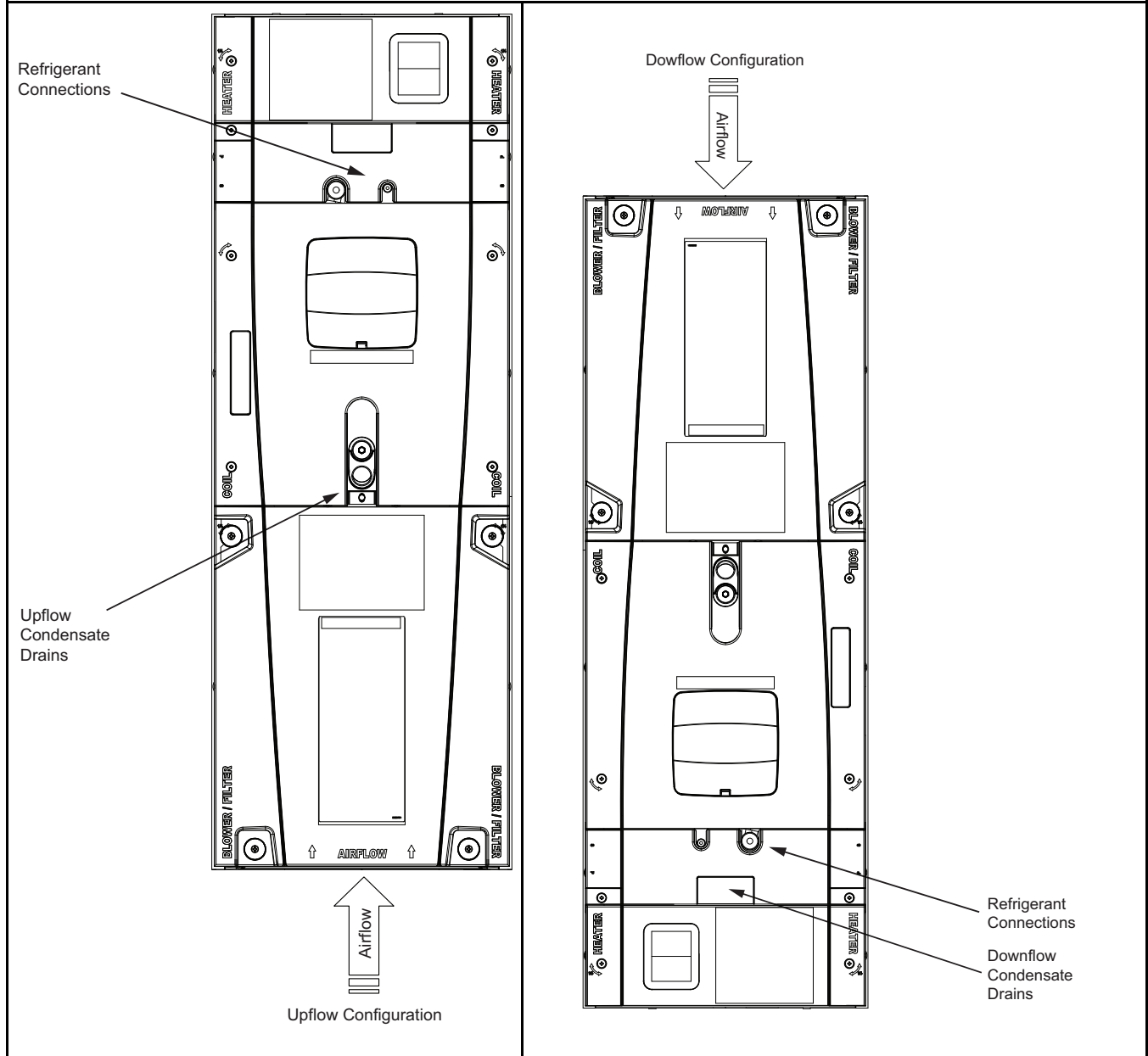


Four-Way Conversion

To place the unit in the configuration your application requires (upflow, downflow, horizontal right, or horizontal left), simply turn the unit to that orientation. Remember to adjust the badge accordingly.

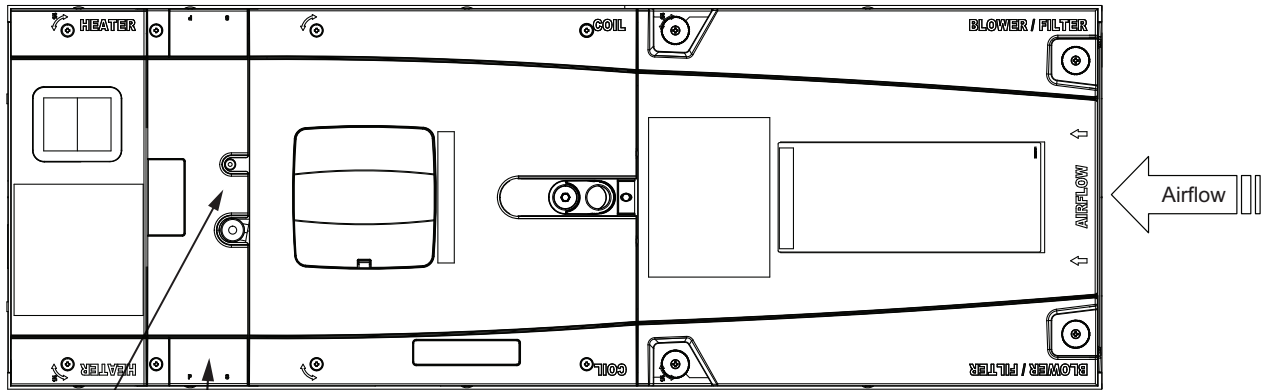
Note: The air handlers are shipped from the factory suitable for four-way application.

Note: Entry for low voltage connections is allowed on either side of cabinet. Refer to Table 17.



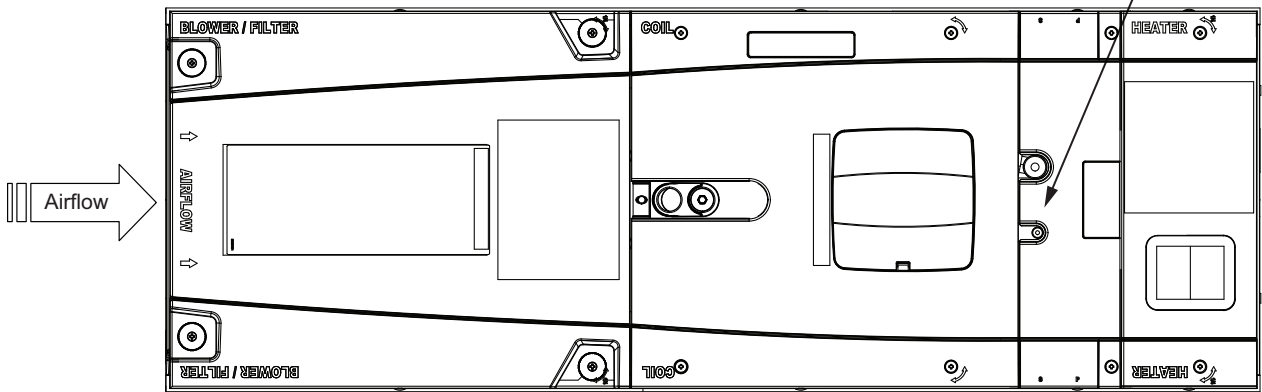
Four-Way Conversion

Horizontal Left Configuration



Refrigerant Connections
Horizontal Left Condensate Drains

Refrigerant Connections



Horizontal Right Configuration

Horizontal Left Condensate Drains

Ducted and Non-Ducted Return Applications

Table 4. Non-Ducted Applications

<p style="text-align: center;">⚠ CAUTION</p> <p>HAZARDOUS VAPORS! Failure to follow this Caution could result in property damage or personal injury. Hazardous vapors can be distributed throughout the conditioned space and equipment damage can result. Do not install an air handler with a non-ducted return in the same closet, alcove, or utility room as a fossil fuel device.</p>	
<p>Non-Ducted Return Installations:</p> <ul style="list-style-type: none"> • Installation in a closet, an alcove, or a utility room without a return duct requires the use of a plenum accessory kit as it uses the area space as a return air plenum. Minimum clearances to combustible materials and service access must be observed (see outline drawing). • This area may also be used for other purposes, including an electric hot water heater, but in no case shall a fossil fuel device be installed and/or operated in the same closet, alcove, or utility room. • Review local codes to determine limitations if the unit is installed without a return air duct. 	

Table 5. Ducted Return Installations.

<p>Ducted Return Installations:</p> <ul style="list-style-type: none"> • Installation in an attic, garage, or crawl space with ducted supply and return air is appropriate. Minimum clearances to combustible materials and service access must be observed (see outline drawing). 	
--	--

Additional Unit Preparation Considerations

For proper installation the following items must be considered prior to moving the unit to its installation site:

- Pursuant to Florida Building Code 13-610.2A.2.1, this unit meets the criteria for a factory sealed air handler.
- If a side return is needed for your application, the side return **MUST** be prepared prior to moving the air handler to its installation location. See the Side Return Kit #BAYSRKIT100A Installer Guide for detailed instructions, if used.
- When the air handler is located adjacent to the living area, the system should be carefully designed with returns which minimize noise transmission through the return air grill. Although the air handler is designed with large blowers operating at moderate speeds, any blower moving a high volume of air will produce audible noise which could be objectionable when the unit is located very close to a living area. It is often advisable to route the return ducts under the floor through the attic. Such design permits the installation of air return remote from the living area (i.e. central hall).
- Study the unit's outline drawing and dimensions prior to selecting the installation site. Note in advance which electrical conduit entry points and condensate drain holes are to be used, so that proper clearance allowances can be made for installation and future maintenance.
- Installation of the air handler must be made prior to, or at the same time as, the installation of the outdoor unit in order to allow access for refrigerant lines.

- Consider the overall space needed when external accessories are used, additional height and width requirements may exist.
- These units are not approved for outdoor installation.
- These units must be installed in the proper air flow direction.
- Any third-party heater accessories or hydronic coils must be downstream of the unit.

Note: *No atomizing style humidifier is allowed in the return plenum with the use of this unit.*

- Excessive bypass air may cause water blow-off, which will adversely affect system operation and air cleaner performance. To verify bypass airflow, follow the Bypass Humidifier Pre-Installation Checkout and Set-Up Procedures available through your local distributor. Ask for publication number 18-CH37D1-* Steam and Flow-through Fan Power Duct-mounted Humidifiers. Follow the humidifier installation instructions. These should only be installed on the supply air side of the system.

Note: *The air handlers have been evaluated in accordance with the Code of Federal Regulations, Chapter XX, Part 3280 or the equivalent. "SUITABLE FOR MOBILE HOME USE."*

Note: *This unit is certified to UL 1995. The interior cabinet wall meets the following:*

- UL94-5VA Flame Class Listed
- UL723 Steiner Tunnel Listed for 25/50 Flame/Smoke
- UL746C Listed for Exposure to Ultraviolet Light, Water Exposure and Immersion

Setting the Unit – Vertical Installation

Table 6. Considerations

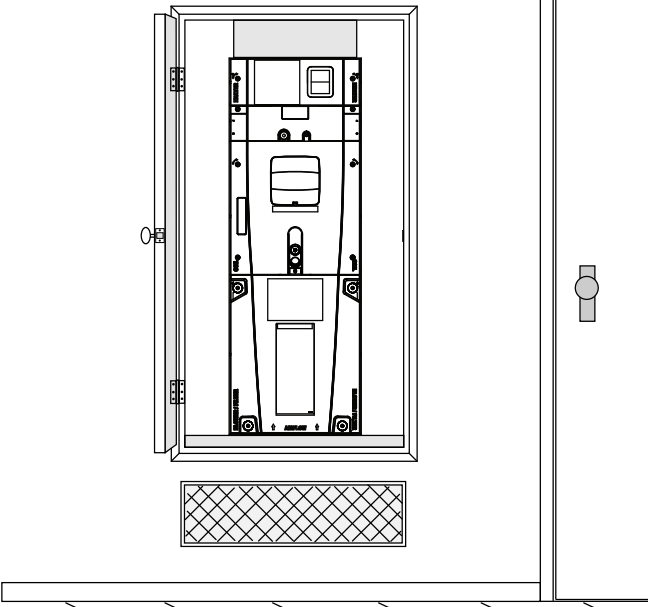
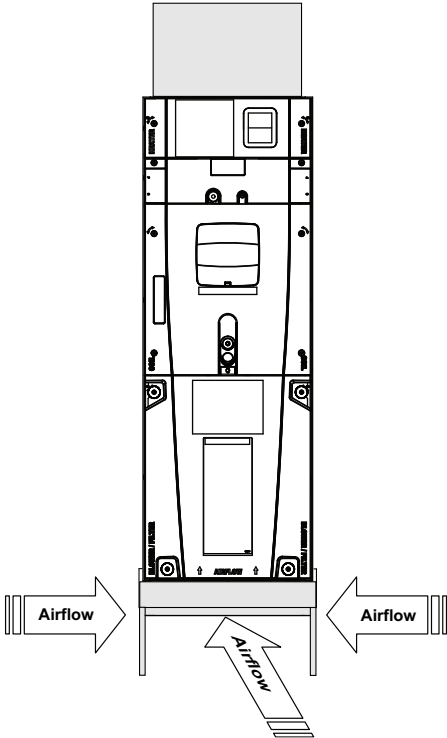
<p>Provide a minimum height of 14 inches for proper unrestricted airflow below the unit. Allow a minimum of 21 inches clearance in front of the air handler to permit maintenance and removal of filter.</p> <ul style="list-style-type: none"> Position unit on suitable foundation. If a manufacturer approved accessory is not used, a frame strong enough to support the total weight of the unit, accessories, and duct work must be provided. Isolate unit from the foundation using a suitable isolating material. <p>Note: The following sound insulation kits are available to lessen objectionable sound. BAYINSKT175A for use with 17.5" cabinets BAYINSKT215A for use with 21.5" cabinets BAYINSKT235A for use with 23.5" cabinets</p>	 <p style="text-align: center;">Typical Closet Installation</p>
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Table 7. Upflow Installation

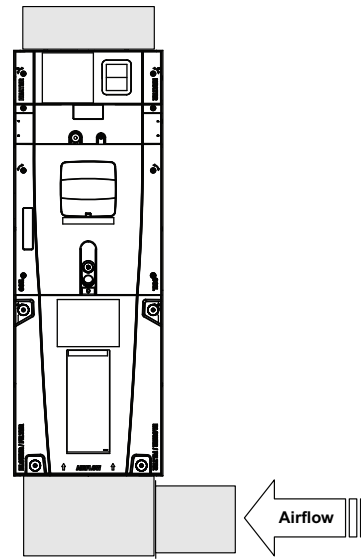
<p>TASB Installation</p> <p>1. Install the TASB plenum stand with integrated sound baffle using the TASB instructions.</p> <p>Note: Kit is used for open air applications.</p> <p>TASB175SB for use with 17.5" cabinets TASB215SB for use with 21.5" cabinets TASB235SB for use with 23.5" cabinets MITISRKIT1620 — Side return kit with 16" x 20" filter</p> <p>Contact your distributor for more information.</p> <p>Note: The following sound insulation kits are available to lessen objectionable sound. BAYINSKT175A for use with 17.5" cabinets BAYINSKT215A for use with 21.5" cabinets BAYINSKT235A for use with 23.5" cabinets</p>	 <p style="text-align: center;">Typical TASB Installation</p>
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Setting the Unit – Vertical Installation

Table 8. Plenum Installation

2. Assemble the plenum using the plenum's Installer Guide.

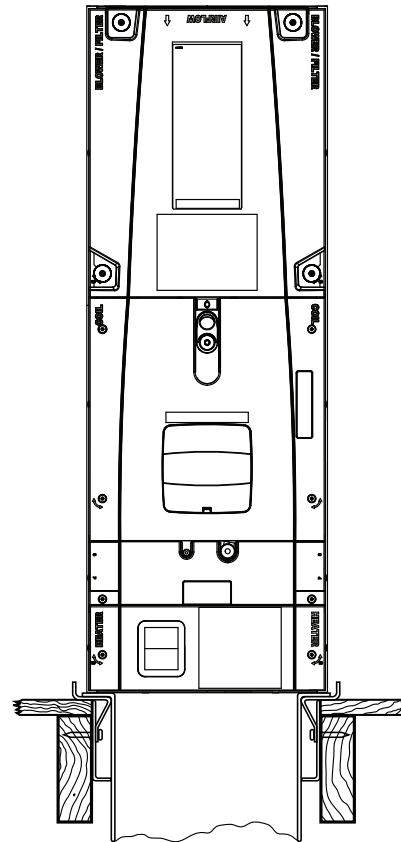
On units with sheet metal returns: Return plenum must be flanged. Sheet metal drill point screws must be 1/2" in length or shorter.



Typical Plenum Installation

Table 9. Downflow Installation

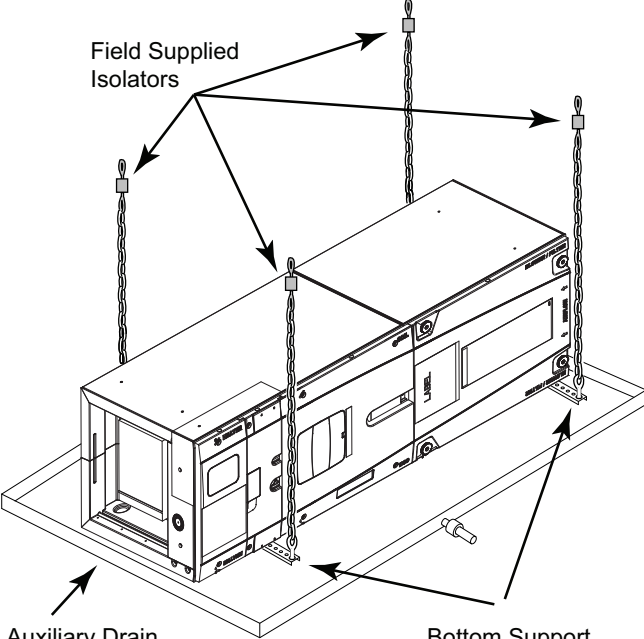
- Downflow installation must comply with national, state, and local codes.
3. Prepare the location site as appropriate for your application and per national, state, and local code requirements.
 4. Set the unit in position.



Typical Downflow Installation

Setting the Unit – Horizontal Installations

Table 10. Considerations

<p>Important: Due to the unique design of this unit, which allows the electrical wiring to be routed within the insulation, do not screw, cut, or otherwise puncture the unit cabinet in any location other than the ones illustrated in this Installer Guide or in an approved accessory's Installer Guide.</p> <p>Important: Make certain that the unit has been installed in a level position to ensure proper draining.</p> <p>Important: Under no conditions should metal strapping be attached to the unit to be used as support mechanisms for carrying or suspension purposes.</p> <ol style="list-style-type: none"> 1. Support the unit from the bottom (near both ends). The service access must remain unobstructed. <ol style="list-style-type: none"> a. Approved bottom support methods are rail, u-channels (Unistrut®), or other load bearing materials. b. The unit must be isolated carefully to prevent sound transmission. Field supplied vibration isolators are recommended. <p>Important: The unit can only be supported from the bottom unless using kit BAYHHKIT001A. Do not drill or screw supports into any area of the cabinet.</p> <p>Note: Do not allow the unit to be used as strain relief.</p> <ol style="list-style-type: none"> 2. Install an auxiliary drain pan under the horizontal air handler to prevent possible damage to ceilings. <ol style="list-style-type: none"> a. Isolate the auxiliary drain pan from the unit and from the structure. b. Connect the auxiliary drain pan to a separate drain line and terminate according to local codes. 	 <p>Note: BAYHHKIT001A Hanging Bracket Kit may be ordered separately.</p> <p>Important: The BAYHHKIT001A may not be used if the cabinet has been altered per Installer Guide 18-GJ58D1-1</p>
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Connecting the Duct work

Table 11. Duct Connection Considerations

Important: Due to the unique design of this unit, which allows the electrical wiring to be routed within the insulation, do not screw, cut, or otherwise puncture the unit cabinet in any location other than the ones illustrated in this Installer Guide or in an approved accessory's Installer Guide.

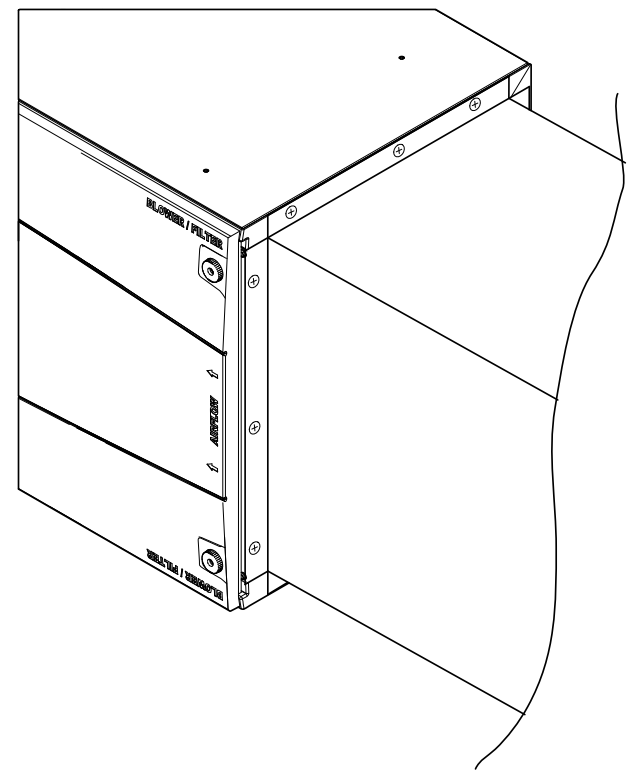
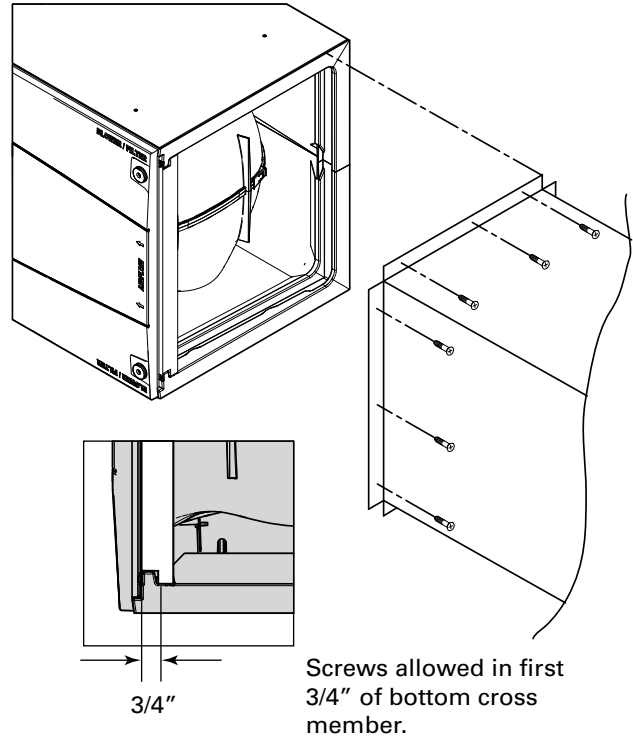
Important: Under no conditions should metal strapping be attached to the unit to be used as support mechanisms for carrying or suspension purposes.

Important: On units with sheet metal returns: Return air plenum must be flanged. Sheet metal drill point screws must be 1/2" in length or shorter.

- The supply and return air ducts must be connected to the unit with non flammable duct connectors.
- See the Outline drawing for sizes of the duct connections.
- After the ducts are secured, seal around the supply and return ducts to prevent air leakage.
- Insulate all duct work that will be outside of conditioned spaces.
- Convertible Duct Flange Kits are available to connect the supply plenum or for mounting on the discharge opening to provide a "flush fit" for 1-1/2" duct board applications.
- If front or rear return is required, the air handler must be elevated — placed on a pedestal or plenum and duct must be connected to this pedestal or plenum.
- If side return is required, the Side Return Kit # BAYSRKIT100A accessory must be used. A remote filter will be required.
- To ensure maximum efficiency and system performance, the existing supply and return duct system static pressures must not exceed the total available static pressure of the air handler. Reference ACCA Manual D, Manual S and Manual RS for additional information.

Note: Side return is not approved without Side Return Kit # BAYSRKIT100. More than one Side Return Kit may be necessary depending on the application. Refer to the Installation Guide in BAYSRKIT100 for approved duct connections, sizing, number, transitions, and accessory application.

Note: Duct work must be supported as appropriate. See National and local codes for guidelines. Do not depend on the unit to support duct work.



Refrigerant Line

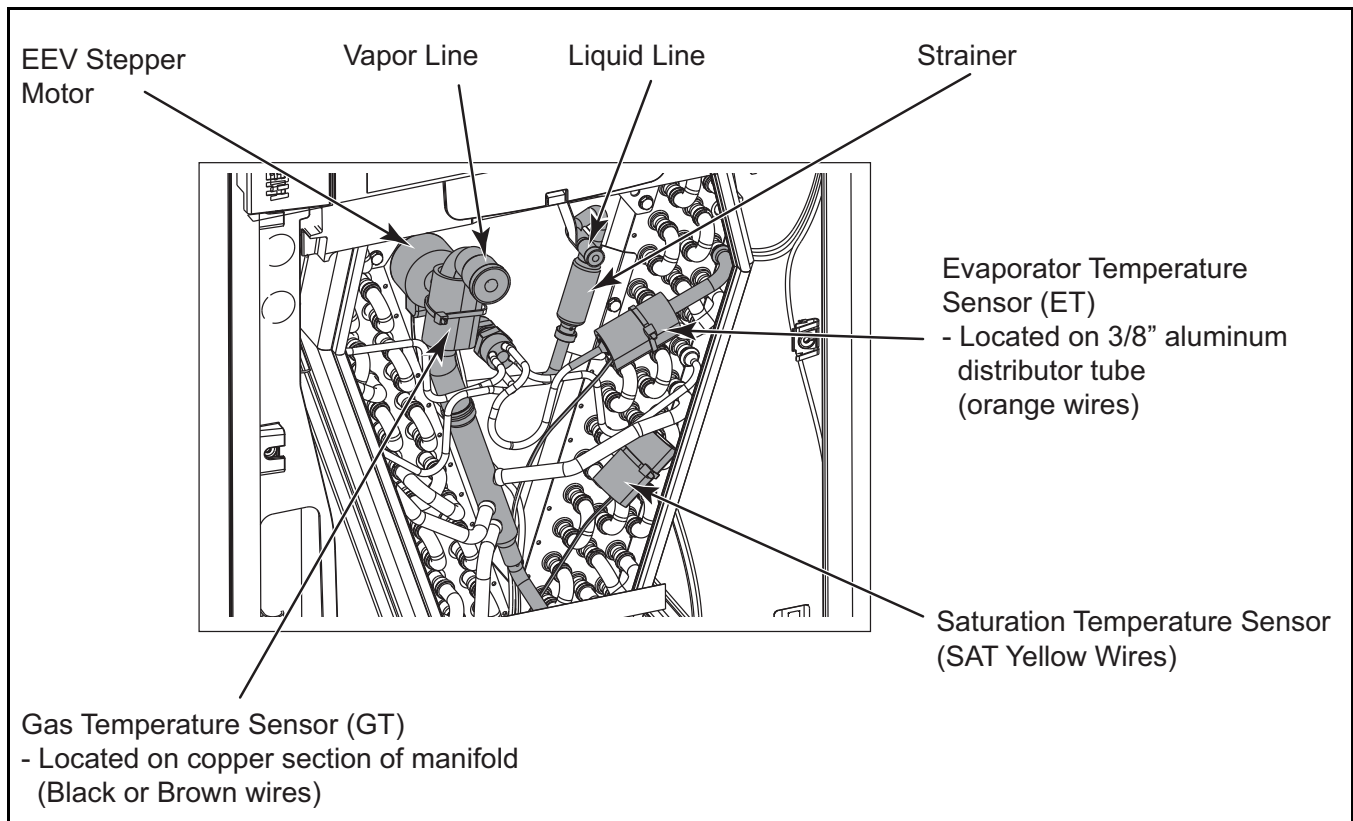
Table 12. Refrigerant Line Connection Sizes

Model	Vapor Line Connection	Liquid Line Connection
TAMXB0A24V21DB	3/4	3/8
TAMXB0B30V31DB	3/4	3/8
TAMXB0C36V31DB	7/8	3/8
TAMXB0C42V41DB	7/8	3/8
TAMXB0C48V41DB	7/8	3/8
TAMXB0C60V51DB	7/8	3/8

Notes:

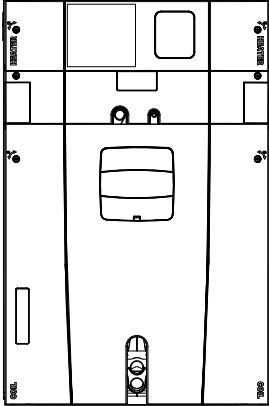
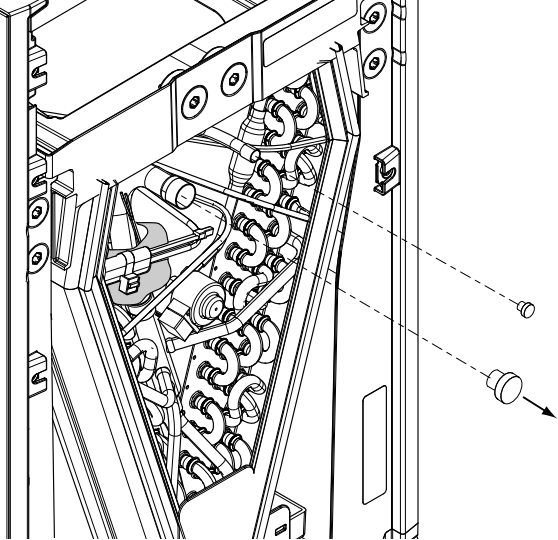
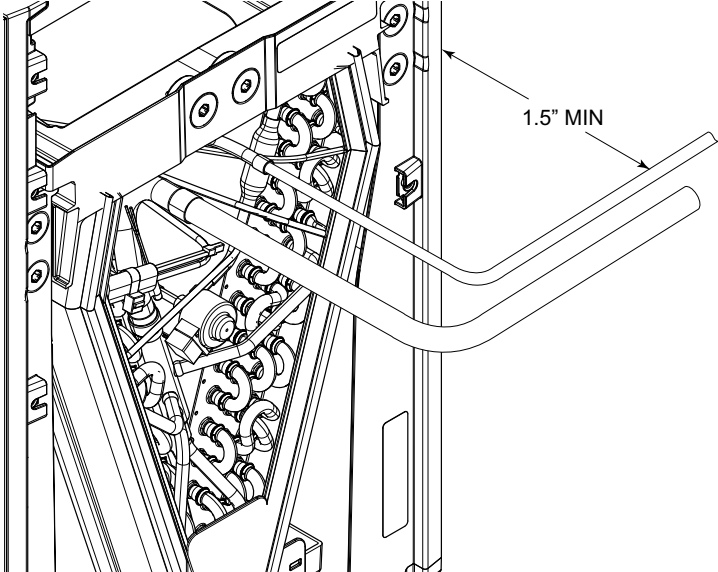
1. This table indicates the tubing connection diameters at the indoor coil. A field supplied reducing coupling may be required.
2. All AHRI listed systems are tested with 25 feet of refrigeration tubing; the rated tubing diameters are located in the electronic performance data system.
3. If the refrigeration lines exceed 60 feet in linear length and/or if alternate size refrigeration tubing is present at the job, please consult SS-APG006-EN or 32-3312** (latest version)

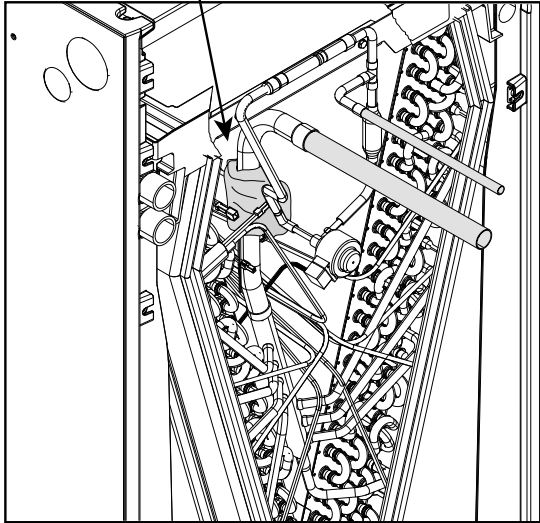
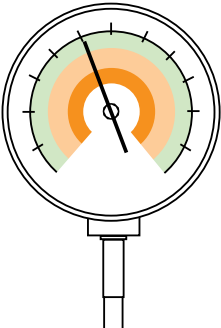
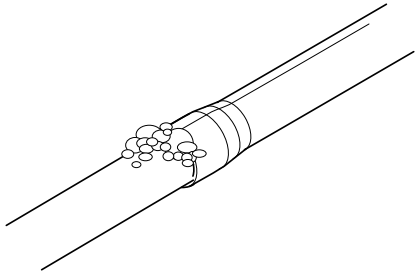
Refrigerant System Layout



Refrigerant Line Brazing

Table 13. Braze the Refrigerant Lines

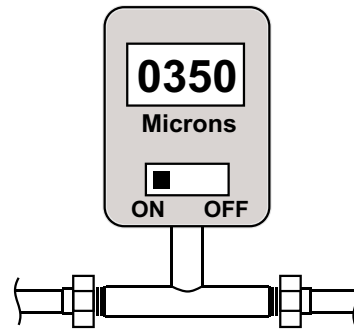
<p>1. Remove Heater, Coil, and Line Set panels.</p>	 <p>← Heater Panel 1</p> <p>← Line Set Panel 2</p> <p>← Coil Panel 3</p>
<p>Important: Do NOT unseal coil refrigerant connection stubs until ready to make connections.</p> <p>Important: Heat Sensitive Sensors. The Gas Temperature Sensor must be removed or a wet rag must be wrapped around the suction line between the Sensor and the braze joint to protect it from failure due to overheating.</p> <p>2. Remove the sealing plug from the indoor coil suction line.</p> <p>3. Remove the sealing plug from the indoor coil liquid line.</p> <p><i>This coil is pressurized with 8–12 psig of dry air. Do not stand directly in front of the coil connections when removing sealing plugs.</i></p>	
<p>4. Connect, but do not braze field line set to indoor coil.</p> <p>a. Allow a minimum of 1.5 inches of refrigerant line set before using an elbow coupling.</p> <p>Important: Service access to the auxiliary heater must remain unobstructed.</p>	 <p>1.5" MIN</p>

<p>Important: Heat Sensitive Sensor. The temperature Sensor must be removed or a wet rag must be wrapped around the suction line between the Sensor and the braze joint to protect the Sensor from failure due to overheating.</p> <p>5. Braze refrigerant line connections.</p> <ol style="list-style-type: none"> Pull back the insulation before brazing the suction line. Wrap the Gas Temperature Sensor (GT) with a wet rag. Braze the refrigerant line connections. <p>Important: Care must be taken during brazing to avoid damage to unit components and wiring.</p> <p>Note: The suction line must be insulated prior to brazing the line set to the air handler stubs.</p>	<p>Wet Rag on Gas Temperature Sensor (GT)</p> 
<p>6. Pressurize the refrigerant lines and evaporator coil to 150 PSIG using dry nitrogen.</p>	<p>150 PSIG</p> 
<p>7. Check for leaks by using a soapy solution or bubbles at each brazed location.</p>	

Refrigerant Line Brazing

Important: Do not open the service valves until the refrigerant lines and indoor coil leak check and evacuation are complete.

8. Evacuate until the micron gauge reads no higher than 350 microns, then close off the valve to the vacuum pump.



9. Observe the micron gauge. Evacuation is complete if the micron gauge does not rise above 500 microns in one (1) minute.
 - a. Once evacuation is complete blank off the vacuum pump and micron gauge, and close the valves on the manifold gauge set.

Note: Charge system using Outdoor unit's Installer Guide or Service Facts.

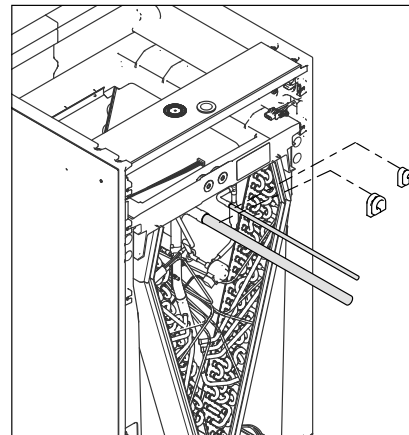
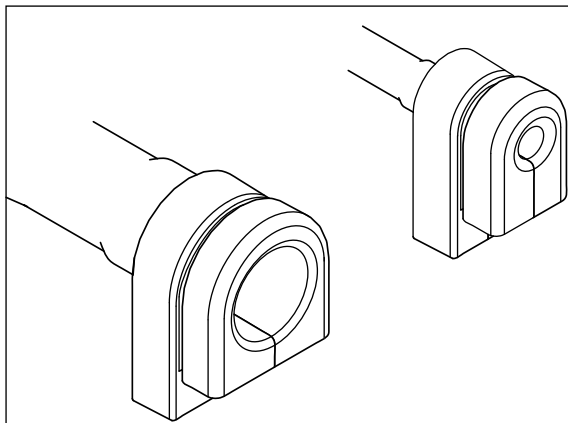
Note: Use soapy water to wipe any refrigerant oil off the panels.



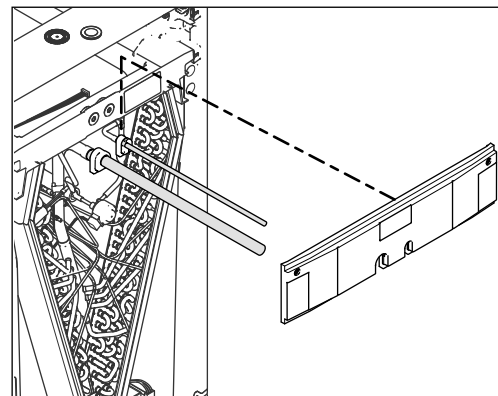
10. Replace the Line Set panel.
 - a. Allow time for tubing to cool.
 - b. Install grommets to line set piping in orientation shown.

Note: A slight amount of dish soap can be used to aid in the installation of the grommets. Remove any excess from the tubing and grommet after the grommet is installed.

- c. Slide the bottom of the Line Set panel down over the refrigerant lines and grommets. The grommets will seal the line openings.
 - d. Tighten screws on the Line Set panel.

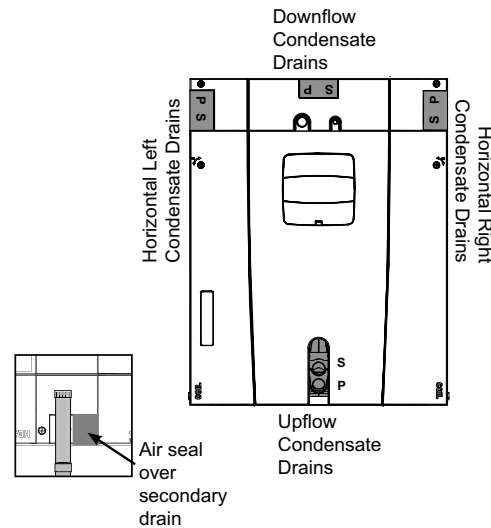


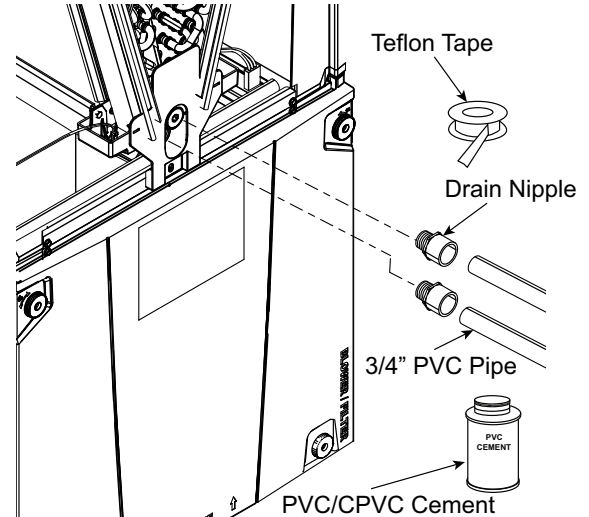
SEE ENLARGED ILLUSTRATION FOR ORIENTATION



Condensate Drain Piping

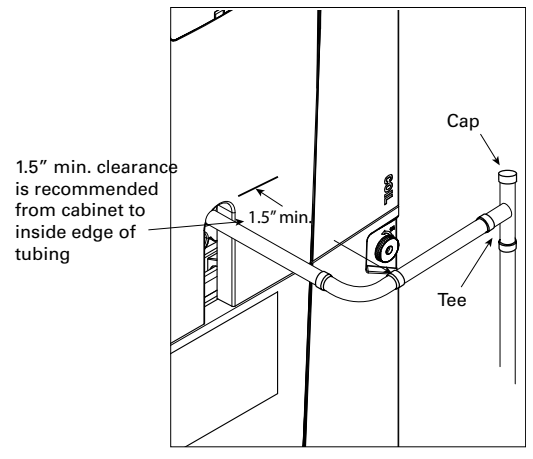
<p>Condensate Drain Piping Considerations</p> <ul style="list-style-type: none"> • Condensate drain plumbing must comply with national, state, and local codes. • Route condensate drain lines away from air handler so they do not interfere with access panels. • Slope the drain lines downward a minimum of 1/4" per foot, support per local codes. • Do not use reducing fittings in the condensate drain lines. 	<ul style="list-style-type: none"> • Do not connect the drain line to a closed drain system. • Do not use a torch or flame near the plastic drain pan coupling. • A P-trap is not required for proper drainage due to the positive pressure of the air handler; however, it is recommended to prevent efficiency loss of conditioned air.
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<p>Connect Condensate Drain Piping</p> <p>Note: Downflow and horizontal orientations require the Coil panel to be removed in order to make the drain connections.</p> <p>Note: Make certain that the unit has been installed in a level position to allow for proper draining.</p> <ol style="list-style-type: none"> 1. Select the drain connections that are oriented for your application. 2. Prepare the condensate drain connections. <ol style="list-style-type: none"> a. From the factory, the unit comes with plugs in both upflow condensate drains and an additional plug in the documentation packet. b. For upflow applications, remove upflow condensate plug(s) and connect condensate piping. c. For all other applications, do not remove upflow condensate plugs. Remove the cover from the needed condensate drain connections and connect condensate piping. d. If the secondary condensate opening is not used, plug the condensate opening with the fitting supplied in the documentation pack. Use scissors to cut the air seal in half and re-install over the unused opening. 	 <p>Note: A small amount of sealant must be applied around the drain line (s) passing through the panel to prevent air leakage and possible water drips.</p>
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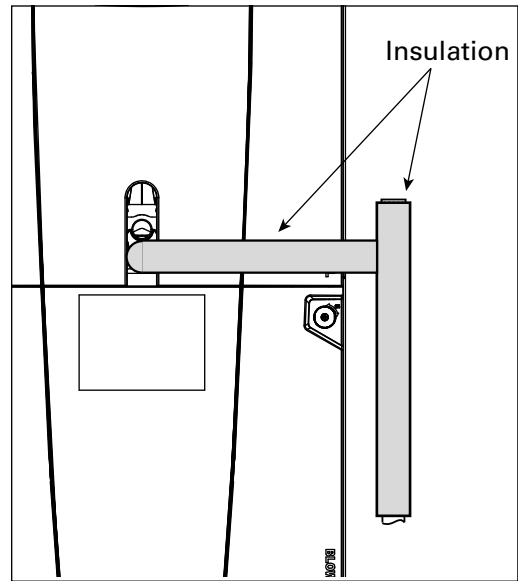
<ul style="list-style-type: none"> • Dry fit and test clearance for coil panel removal before applying PVC/CPVC cement. • Use Teflon tape on the air handler drain line connections. Do not use pipe joint compound or PVC/CPVC cement on drain nipple. • Hand tighten the drain pipe. <ol style="list-style-type: none"> 3. For upflow installations, connect 3/4" PVC pipe to the threaded drain nipple with PVC/CPVC cement. 3" minimum clearance to the condensate piping is needed for coil panel removal. Thread the assembly into the primary drain connection (repeat for the secondary drain connection if used). <ol style="list-style-type: none"> a. Remove panel and insert the 3/4" nipples. b. Reinstall the panel. c. Connect the condensate lines to the nipples. <p>Important: For Horizontal and Downflow installations, the following order must be observed:</p> <p>Note: A small amount of sealant must be applied around the drain line (s) passing through the panel to prevent air leakage and possible water drips.</p>	
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Condensate Drain Piping

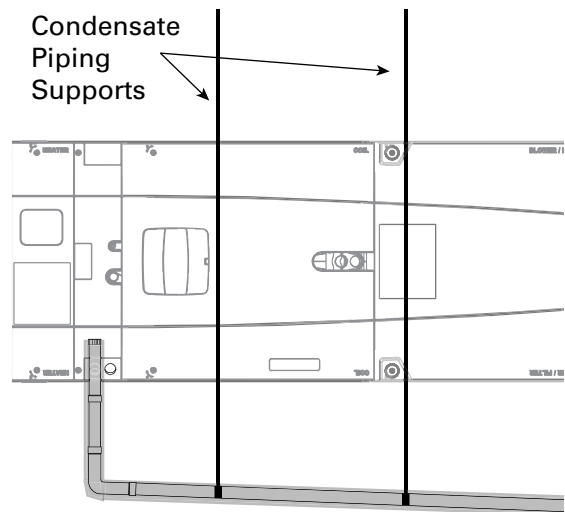
- 4. Install a clean-out tee in the primary drain line for future maintenance. It is recommended that you install a cap on the top of the tee.



- 5. Insulate the primary drain line to prevent sweating where dew point temperatures may be met. (Optional depending on climate and application needs.)
- Provide a means of drainage to prevent winter freeze-up of condensate line (Optional depending on climate and application needs).



- 6. Support the condensate piping outside the unit per local codes for proper drainage and to prevent sagging.
- Allow 1/4" of downward slope for each foot of pipe.

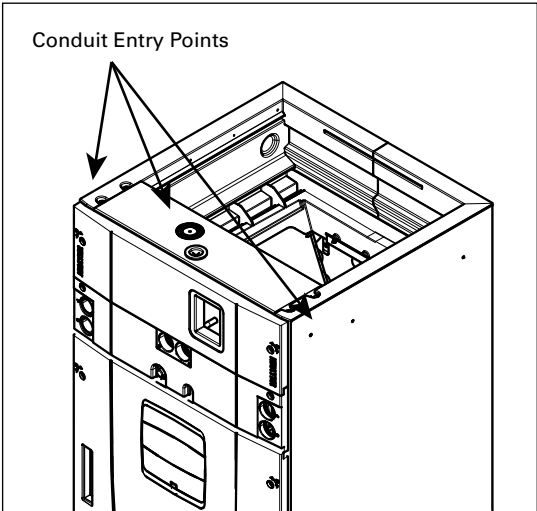
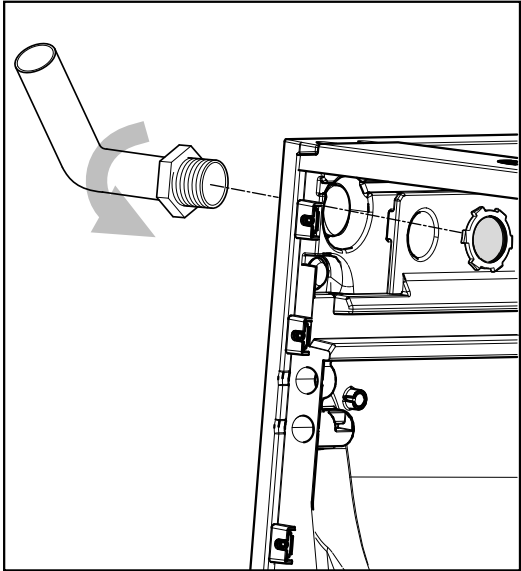


Electrical – High Voltage

Table 14. High Voltage Power Supply

<p>The high voltage power supply must match the equipment nameplate.</p> <p>Power wiring, including ground wiring must comply with national, state, and local codes.</p> <p>Field wiring diagrams for supplementary electric heaters are shipped with the heaters.</p>	<p style="text-align: center;">⚠ WARNING</p> <p>LIVE ELECTRICAL COMPONENTS!</p> <p>Failure to follow this Warning could result in property damage, severe personal injury, or death. Follow all electrical safety precautions when exposed to live electrical components. It may be necessary to work with live electrical components during installation, testing, servicing, and troubleshooting of this product.</p>
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Table 15. Make Electrical Connections

<ol style="list-style-type: none">1. Route High Voltage wiring to unit.2. Select a conduit entry point. Drill a hole for the desired conduit size up to 1-1/2" diameter. A locating target is identified on these units.<ol style="list-style-type: none">a. Select the entry point you will use to bring in your high voltage wiring. <p>Note: When drilling access through cabinet do not drill into any internal components. Remove internal components before drilling through cabinet, if possible. Damage to the air handler or heater could result.</p>	<p style="text-align: center;">Conduit Entry Points</p> 
<ol style="list-style-type: none">3. Route conduit (if used) to the entry point and connect.<ol style="list-style-type: none">a. Use one hand to secure the conduit nut from inside of the heater compartment.b. Connect a field supplied 3/4" or 1-1/2" conduit to conduit nut. <p>Note: Reducing bushings may be required for your application.</p>	

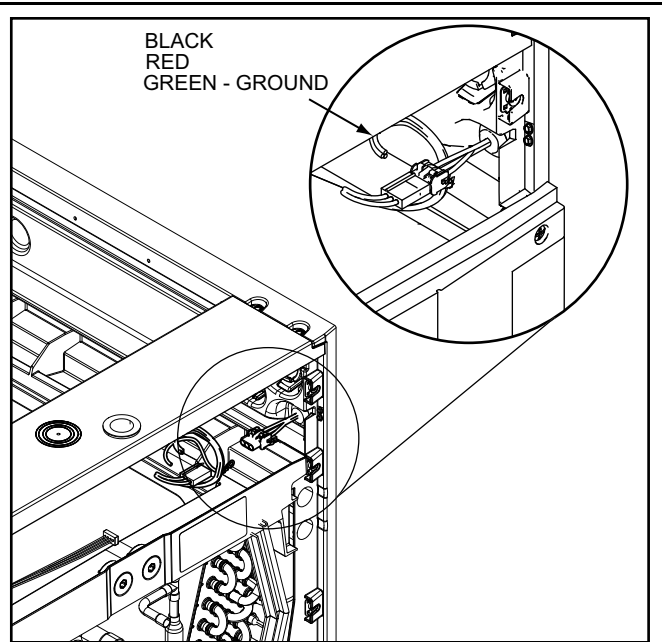
Electrical — High Voltage

4. If an electric heater IS NOT being installed, remove the pigtail harness from the documentation pack and connect it to the plug on the inside of the Heater Compartment in the cabinet.

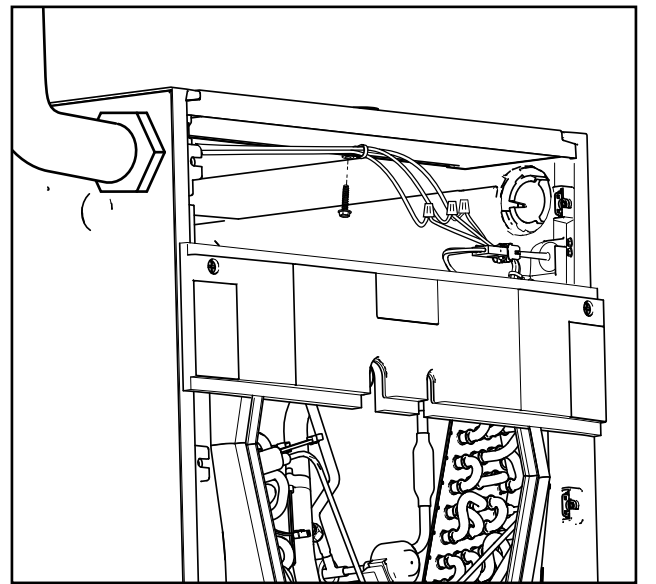
If an electric heater IS being installed, see the Installer's Guide shipped with the electric heater.

Note: The heater size will be automatically configured by installing a resistor in the Electric heat harness located in the electric heat compartment and will be included with the BAYEA heater.

Connect L1, L2, and ground wiring to pigtail harness in Heater Compartment using wire nuts. The incoming ground wiring will mate up with the green wire shown in the illustration.

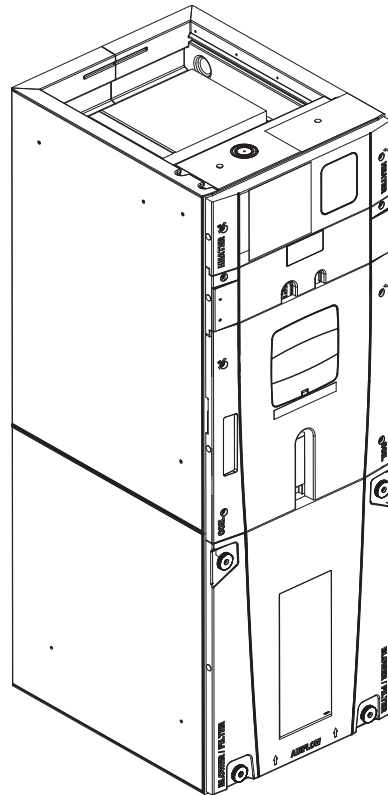


5. If the L1, L2, and ground wires enter the case from the left side, use a field supplied 1/2" — 5/8" maximum length screw and wire tie to hold the wires to the top center of the Heater Compartment.



6. Reinstall all panels before starting the air handler

Note: After replacing all panels, loosen the Line Set Panel screws approximately 1/4 — 1/2 turn. This will improve the seal between the Heater Panel and Line Set Panel.

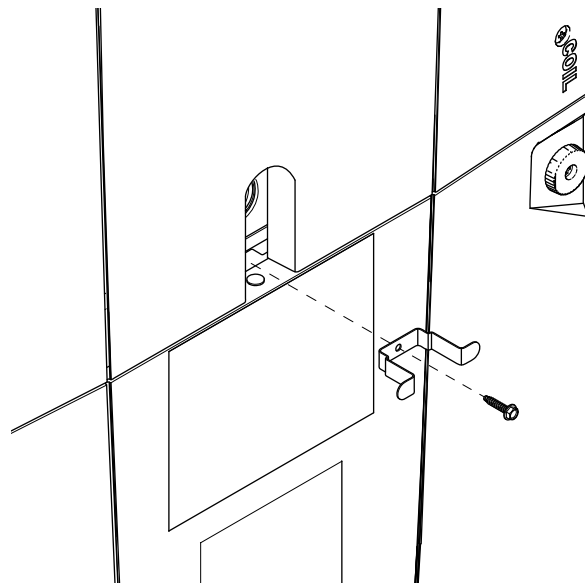


7. Remove screw and coil bracket from documentation packet.

8. Place the coil panel bracket into position and use screw to secure the coil panel bracket and seal plate to the support bar.

Important: The Coil Seal Plate and screw secure the coil in the center of the air handler. Failure to follow these steps can prevent the Coil Panel from being easily replaced on the unit.

Important: The Blower Panel may be removed if needed to help align the new screw with the seal plate and crossmember.



Electrical – Low Voltage

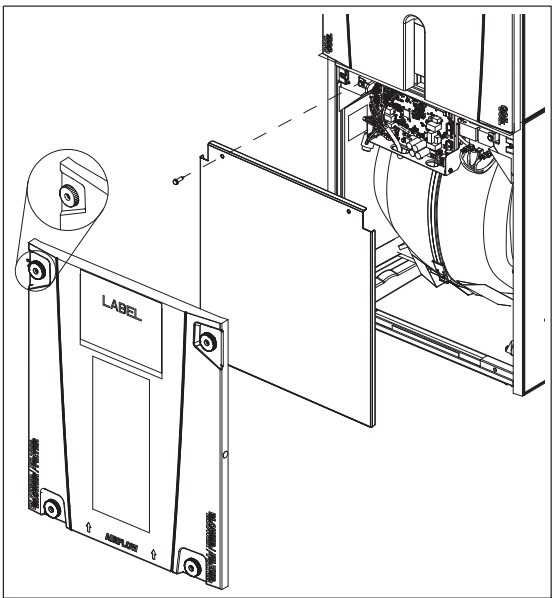
TAMX can be used in either Link Communicating mode or 24 volt mode. In Link Communicating mode, all configurations are made by using the configuration menu in the User Interface (UX360) or from the Diagnostic Mobile App. In 24 volt mode, basic

operation is configured from the factory with no defaults for accessories. All configurations for blower delays, accessories etc., need accomplished using the Diagnostic Mobile App.

Table 16. Low Voltage Maximum Wire Length

<p>The Low Voltage Maximum Wire Length table defines the size and combined total maximum length of the low voltage wiring from the outdoor unit, to the indoor unit, and to the thermostat.</p> <p>Note: <i>The use of color coded low voltage wire is recommended to simplify connections between the outdoor unit, the control, and the indoor unit.</i></p>	Control Wire – Communicating	
	WIRE SIZE	MAX. WIRE LENGTH
	18 AWG	500 FT. Combined
	Control Wire – 24 Volt	
	WIRE SIZE	MAX. WIRE LENGTH
	18 AWG	100 FT. Combined

Table 17. Low Voltage Hook-up Instructions

<ol style="list-style-type: none"> 1. Remove the Blower panels by removing the four fasteners and then pulling away from the cabinet to remove. 2. Remove the block off plate by removing the two 5/16" screws at the top and pulling the top out and up off the support bosses at the bottom. 	
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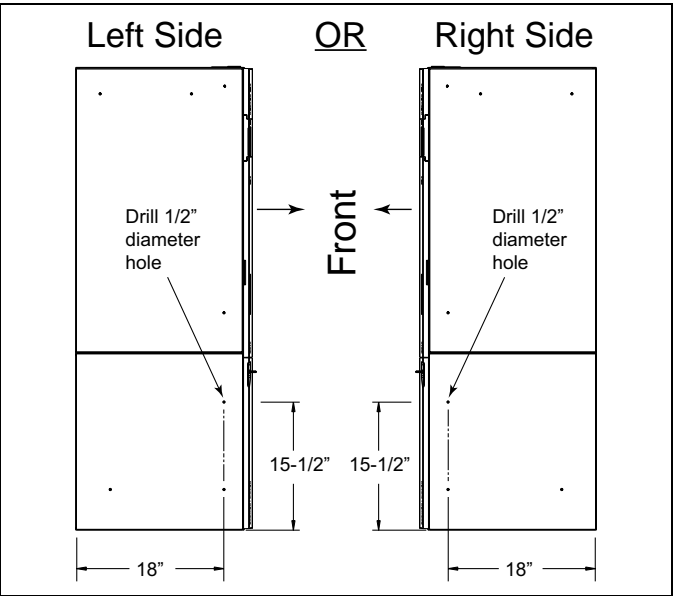
3. For low voltage entry, drill a 1/2" diameter hole in side of blower cabinet at location shown on illustration. If needed for additional accessory wiring, a second hole may be drilled 2" below the first. Two 3/8" bushings are supplied in the doc pack.

4. Route control wiring to unit and insert low voltage wiring.

Note: After the LV wires have been inserted through the new hole, the hole must be sealed.

Note: If a side return kit is used, the LV entry must be on the opposite side of the air handler.

Note: When drilling access through cabinet do not drill into any internal components. Remove internal components before drilling through cabinet if possible. Damage to the air handler or heater could result.



Note: Strain relief must be provided on the inside of the air handler cabinet for the low voltage wiring. Field supplied thermostat wires may be either wire tied to the control box or routed through the adhesive hook supplied in the doc pack.

5. Remove the external sheathing of the wiring approximately 5".

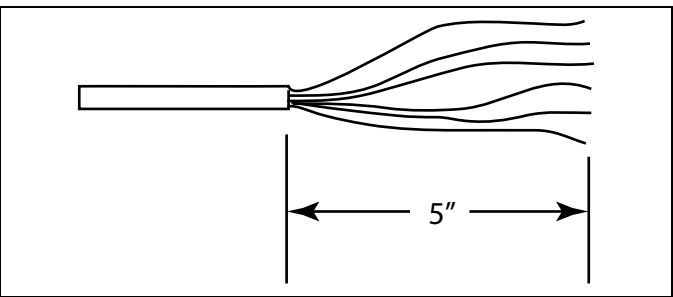


Table 18. Strain Relief for Low-Voltage Wiring Using Adhesive Hook

Communicating Mode

Drilled Hole

Control Board and Box

J2 CAN Connector Harness

Adhesive Hook

Press and stick adhesive hook to front face of blower. Turn the hook such that it provides strain relief if wire were tugged.

Note: For communicating mode, route the low voltage wiring through cabinet wall before terminating with included color-coded CAN connectors. (The CAN connector will not fit through the 1/2" drilled hole.) Refer to Table 19.

24V Mode

Drilled Hole

Control Board and Box

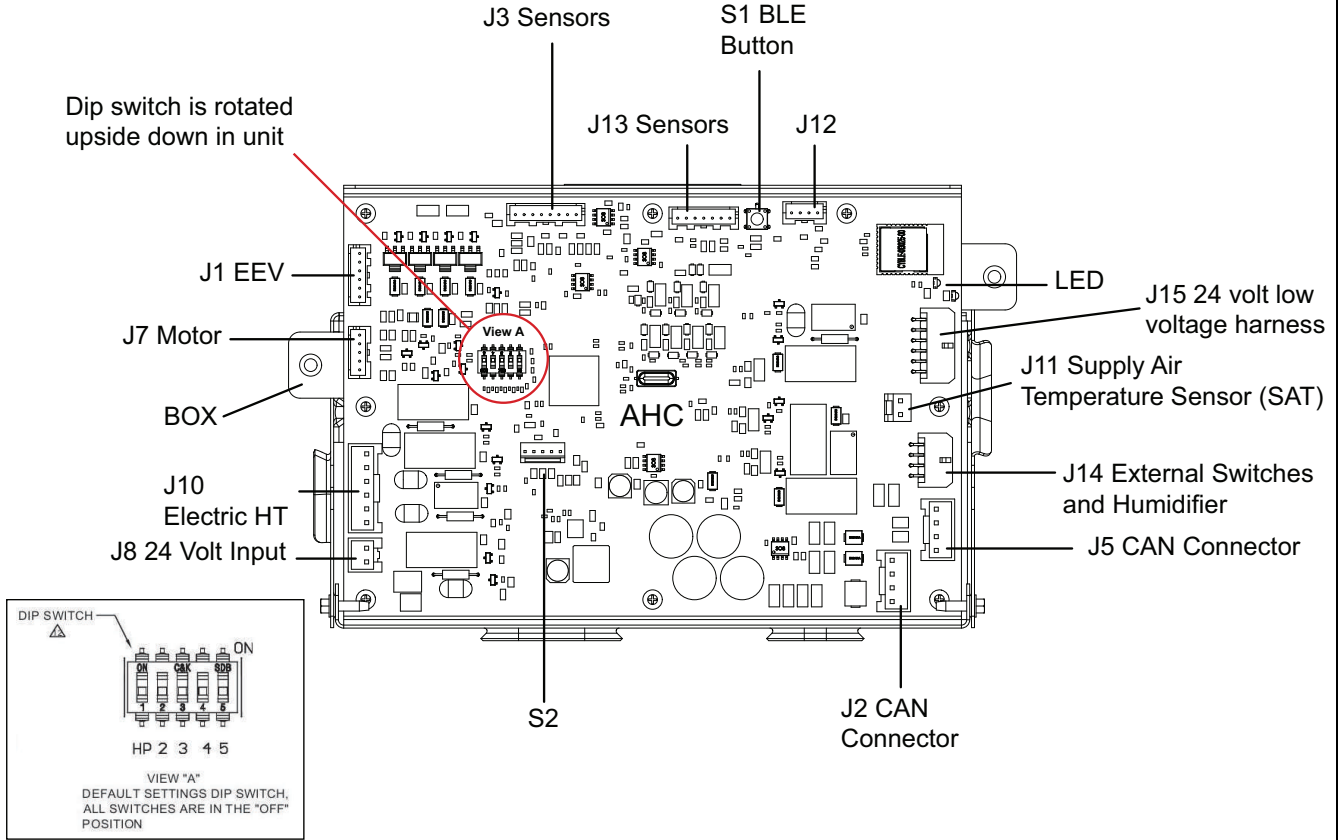
Wire Nut Connectors

J15 24V low voltage Harness

Adhesive Hook

Press and stick adhesive hook to front face of blower. Turn the hook such that it provides strain relief if wire were tugged.

6. Secure the sheathed wiring to the control pocket mounting plate using the factory supplied wire ties attached to the tabs as shown.



7. Mount Supply Air Temperature Sensor

The Supply Air Temperature (SAT) Sensor must be mounted a minimum of 8" above the edge of the supply duct (additional distance is preferred when possible). Locate the SAT Sensor in an area of the discharge air duct where less air turbulence is expected. Avoid dead air areas where representative discharge air temperatures may not exist.

The plug on the SAT Sensor harness plugs directly onto the AHC Board. Refer to the figure in Step 7, Table 14.

Note: Supply Air Temp Sensor (SAT) is used in Link Communicating mode and is optional in 24 volt mode.

Note: Supply Air Temp Sensor (SAT) ships with SC360 System Controller.

Note: Supply Air Sensor kit is BAYSENSC360.

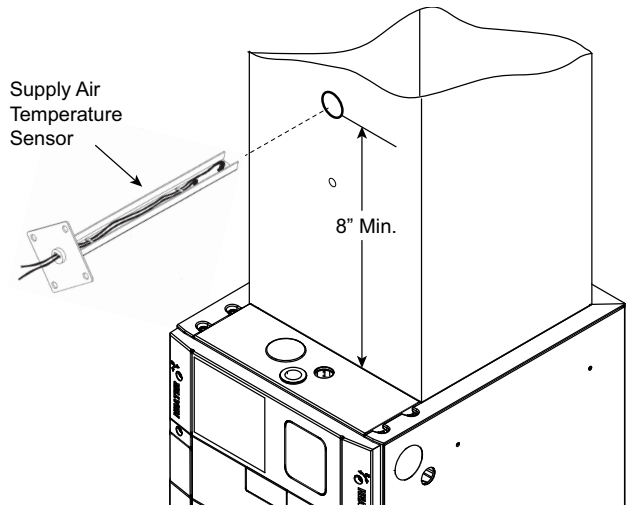


Table 19. Link Communicating Low Voltage Wire Connectors

Link mode uses simple connectors for low voltage connections. These connections are color coded which makes the installation easier and quicker.

Wire Colors	
R	Red
DH	White
DL	Green
B	Blue

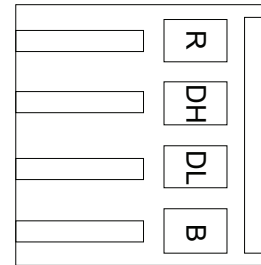
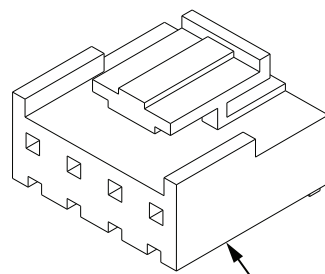
Do the following to make the connections from the actual thermostat wire to the connector.

Note: These connectors are necessary at the communicating outdoor unit, communicating indoor unit, distribution board(s), system controller and communicating accessories.

1. Strip the Red, White, Green and Blue thermostat wires back 1/4".
2. Insert the wires into the connector in the correctly colored locations.
3. **When you feel it release, allow each wire to slide in further.**
4. Pull back on the wires individually and slightly and check if the wires are seated properly. If each wire does not pull out for all four wires, the connection is complete.
5. Connectors are ONE TIME USE. If a 18 ga. Thermostat wire gets broken off inside of the connector, the connector will need replaced.
6. Wire colors are for illustration purposes only. If using a different color, ensure it lands at the correct terminal throughout all of the communicating control wiring.

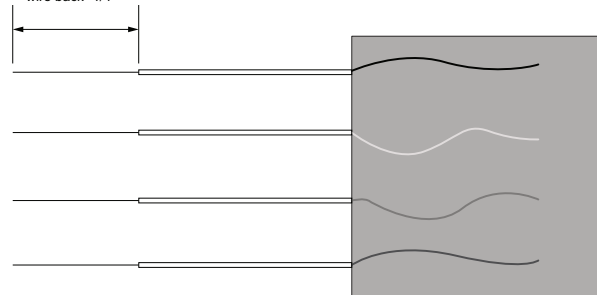
Connect the CAN connector into the male coupling on the low voltage harness at the Outdoor unit.

This air handler has two dedicated CAN Connector headers on the Air Handler Control (AHC) board. In Link communicating mode, both of them are in the communicating loop. It does not matter which one goes to the thermostat, System Controller, distribution board, outdoor unit or any other Link accessory.



CAN Connector

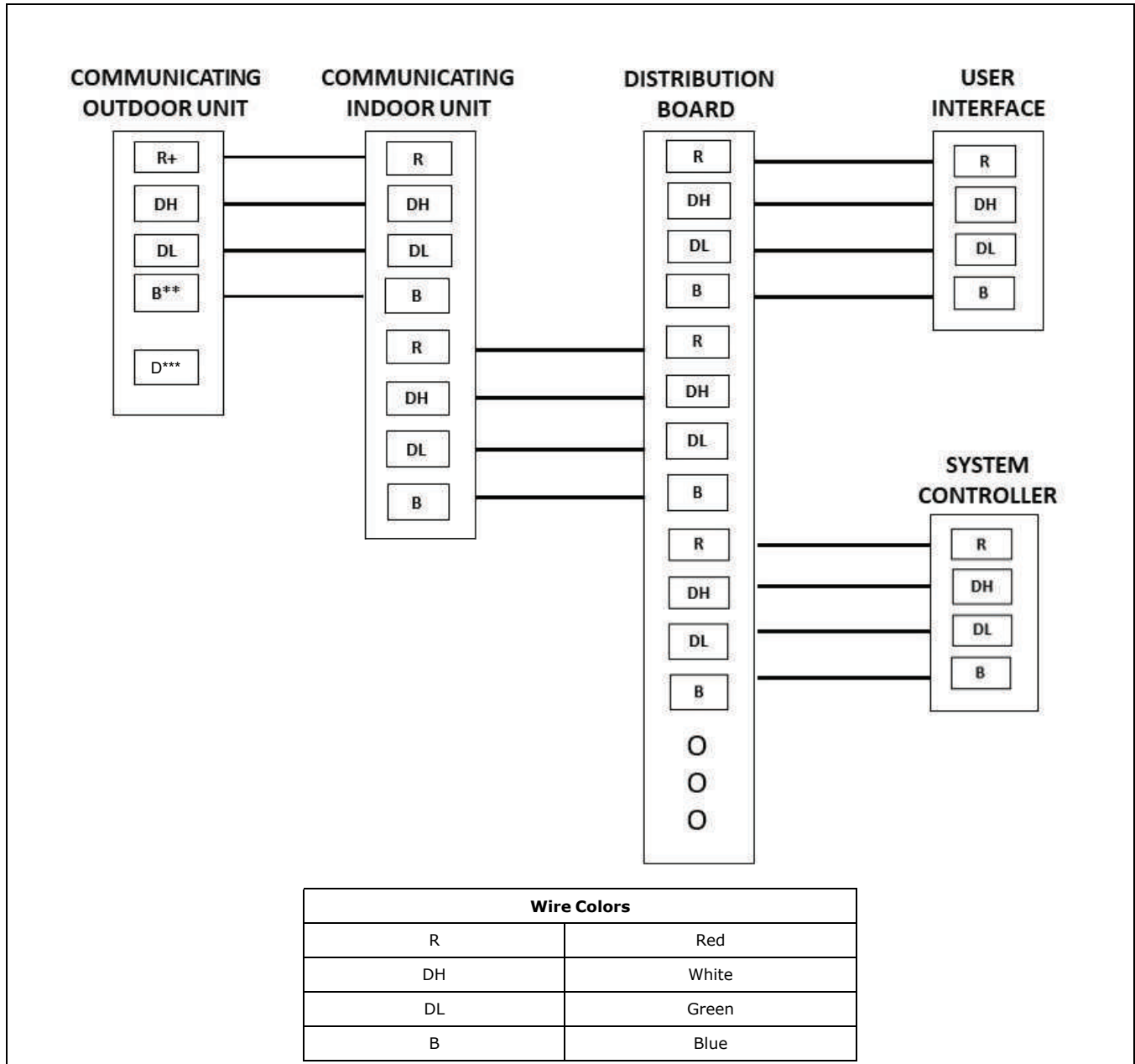
Strip the control wire back- 1/4"



Note: For use with 18 ga. solid core thermostat wire.

Note: Note: For connections to the AHC, do not add color-coded connectors to the thermostat wire until after it has been pulled inside the blower compartment. (The CAN connector will not fit through the 1/2" drilled hole.)

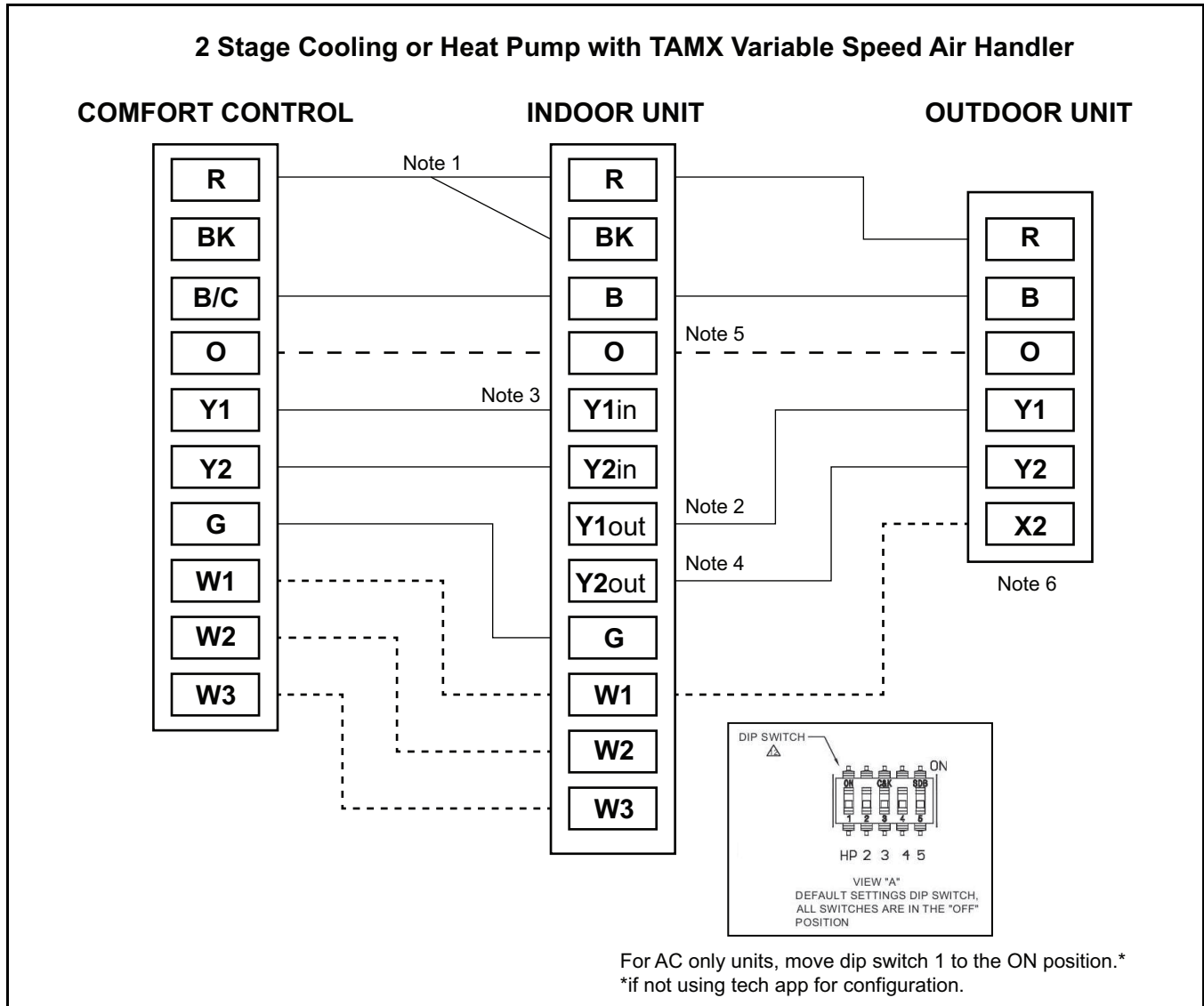
Table 20. Link Communicating Low Voltage Hook-Up Diagrams



Note:

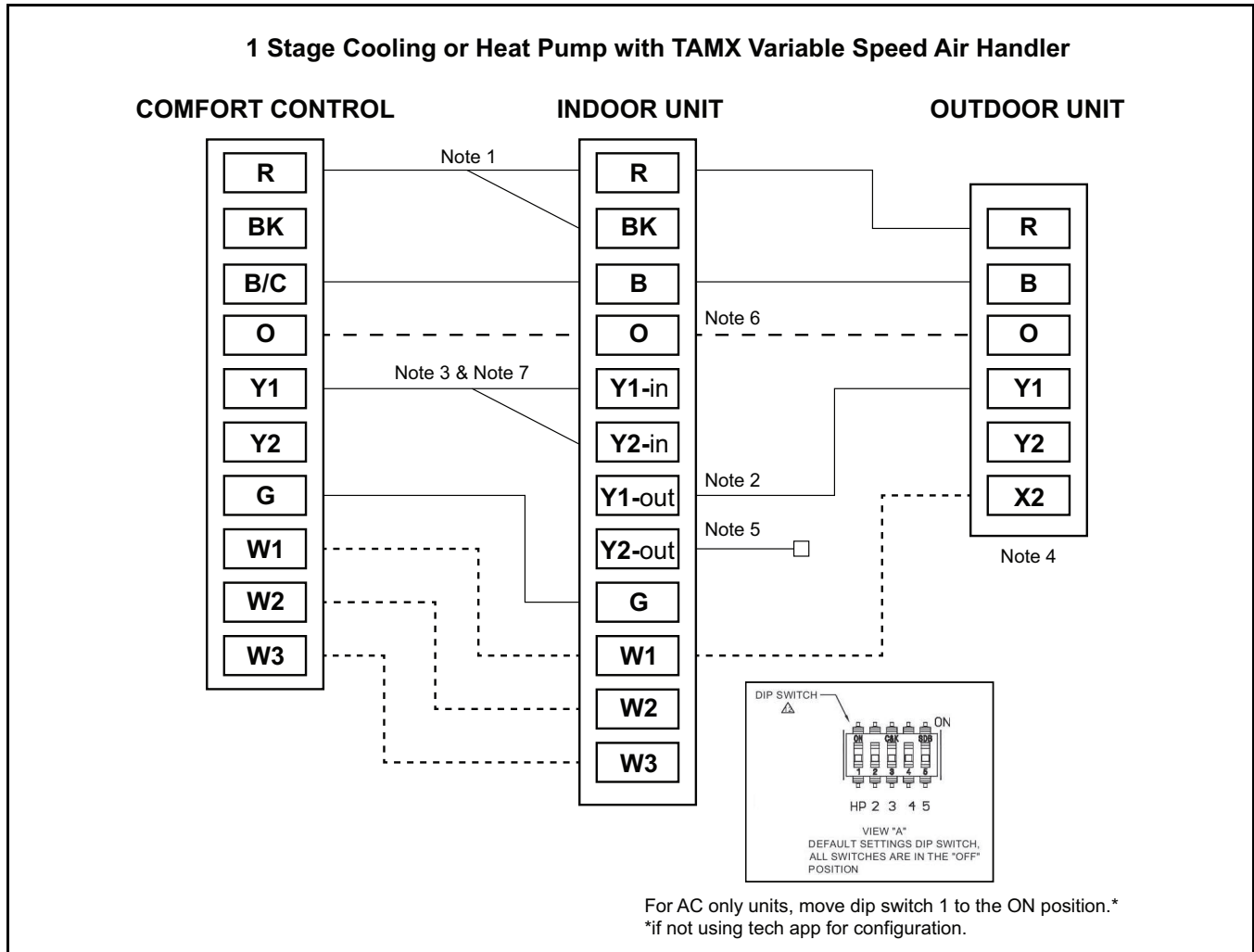
- * —Accessory terminals are dry contact outputs only.
- + —R connection to the outdoor unit is required only in applications utilizing an outdoor loadshed device or when using SmartCharge.
- ** —B connection to the outdoor unit is optional for 2 wire outdoor applications, but is recommended in other applications.
- *** —DATA (Brown) wire only used in Clii mode.
- Wire colors are for illustration purposes only. If using a different color, ensure it lands at the correct terminal throughout all of the communicating control wiring.
- Drawing is for reference only - wiring can be done many different ways.

Table 21. 24 Volt Low Voltage Wiring



Notes:

1. Separate the BK and R wires when using the BK functionality from the thermostat or a Humidistat.
2. Yin and Yout connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to function properly.
3. 3rd party condensate switch should break the Y1-in circuit between the thermostat and AHC.
4. Y2-out connections at outdoor unit only required for two stage units and should be capped off when not in use.
5. Only needed for heat pump operation.
6. X2 is necessary if not using select Trane or American Standard thermostats.



Notes:

1. Separate the BK and R wires when using the BK functionality from the thermostat or a Humidistat.
2. Y-in and Y-out connections must be made as shown for freeze protection and internally mounted condensate overflow circuits to function properly.
3. 3rd party condensate switch should break the Y1-in circuit between the thermostat and AHC.
4. X2 is necessary if not using select Trane or American Standard thermostats.
5. For single speed operation, use Y1-out and cap off Y2-out wire.
6. Only needed for heat pump operation.
7. For single stage outdoor operation, must connect Y1-in and Y2-in for full airflow.

TAMX 24 Volt Wire Harness Colors			
R	Red	Y2out	Orange/Red
B	Blue	G	Green
O	Orange	BK	Black
Y1in	Yellow	W1	White
Y2in	Yellow/Red	W2	White/Black
Y1out	Yellow/ Black	W3	White/Red

Table 22. GET THE APP:

The Diagnostics Mobile App can be found in your device App Store when searching for Trane Diagnostics or American Standard Diagnostics. A QR code can be scanned which sends you directly to the location:

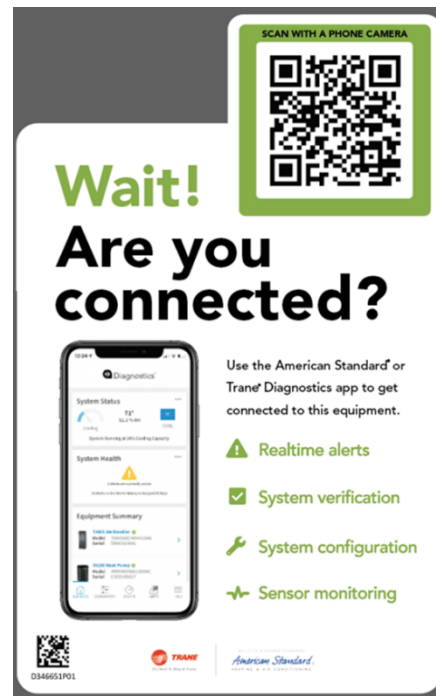


Table 23. External Switches and Accessories

When connecting a humidifier or an external switch to the air handler, locate the harness(es) in the doc pack. The plug on the harness will plug into the AHC control board.

- External switch 1 and 2 do have 24 volts AC source voltage and are to be connected to Normally Closed (NC) contacts on the external device.
- Accessory 1 and 2 are dry contacts and need source voltage provided from either the accessory or internally.

The external switches and accessories can be configured through the Smart Thermostat or the Diagnostics Mobile App.

Note: Accessories can be configured in the UX360 User Interface or Diagnostics Mobile App in Link communicating mode ONLY.

Note: Accessories need configured using the Diagnostics Mobile App in 24 volt mode. There are no defaults in 24 volt mode.

J14 External Switches and Humidifier

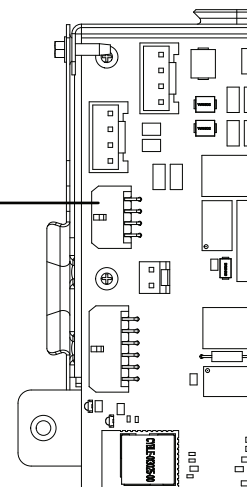
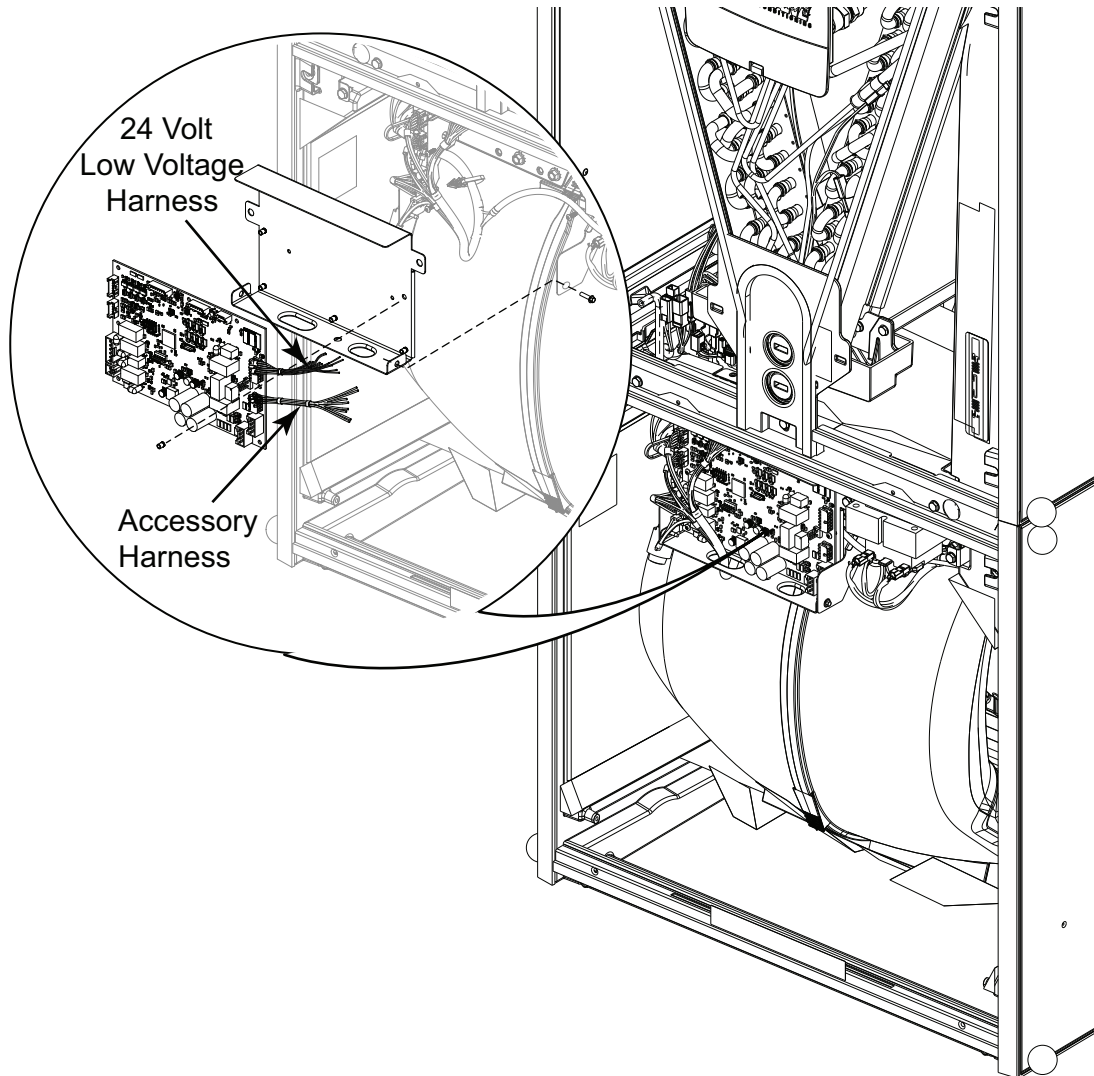


Table 24. Accessory Harness Installation

The accessory configurations can be done at either the UX360 User Interface in communicating mode or from the Diagnostics Mobile App. The accessories need configured from the Diagnostics Mobile App in 24 volt mode.



Black Wires	Ext Switch 1 External condensate, Smoke Detector
White Wires	Ext Switch 2 External condensate, Smoke Detector
Blue Wires	Accessory 1 EAC, Humidifier (Fan assist/ Bypass) Steam Humidifier
Green Wires	Accessory 2 EAC, Humidifier (Fan Assist/ Bypass) Steam Humidifier

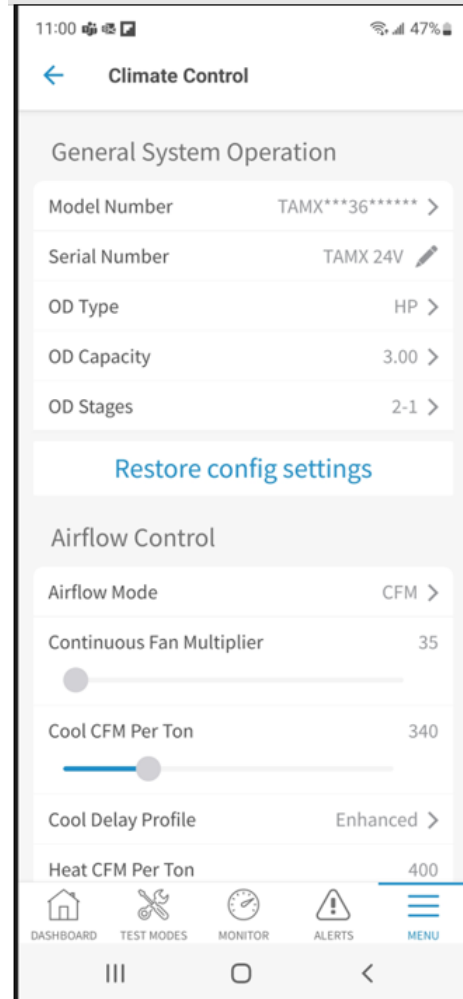
Replacement AHC configuration – 24 volt mode

Replacement AHC boards need programmed and will not run without configuration **IN 24 Volt Mode**. There are 2 ways to perform the configuration. 1 of the methods is required to get the unit running. Combining 2 or more methods will result in unwanted operation.

1. The most complete configuration will be accomplished using the Diagnostics Mobile App. In this app, there are configurations for the model number, blower delays and accessories.
2. There is a Button Press method is to configure the size of the Air Handler and is accomplished by pressing the S1 button on the bottom of the control board in a sequence explained in this document.

Only 1 of these methods should be used.

Method #1:



Button Press AHC Configuration Method: Method #2

Table 25. Configuration for Replacement AHC

Replacement AHC will need to be configured for unit size. Airflow will be set at 400 cfm/ton based on unit size configuration. These configurations can be done through the Diagnostics Mobile App with no manual steps or can be done manually without the Diagnostics Mobile App.		
Step	Manual Program Unit Model Size	Red LED Status
1	Hold J13 BLE button down for 5 seconds and release	Red LED will be off
2	Now entering programming	1 Red LED flash alerts user that it is now able to program
3	If a configuration is present, will announce now	Red LED will be off if no configuration is present
4	If no configuration is present, AHC will inform you it is ready to program	5 quick Red LED flashes
5	After 5 quick flashes, start programming within 2 seconds by pressing J13 button. Red LED will also flash with each button press	1 press= TAMXB0A24 2 press= TAMXB0B30 3 press= TAMXB0C36 4 press= TAMXB0C42 5 press= TAMXB0C48 6 press= TAMXB0C60
6	2 seconds after the last button press, the Red LED will flash 1 time to acknowledge programming	Red LED will now flash the number of times you pressed to confirm your configuration. If you programmed the wrong size, within 2 seconds, start step 5 over
7	If the configuration is correct and the BLE button has not been pressed for 2 seconds, Red LED will announce successful programming	Red LED will turn on for 5 seconds announcing the configuration has been stored in NV memory correctly. Red LED will be on for only 2 seconds if not stored properly. Programming is complete.

Replacement AHC configuration – LINK Communicating Mode:

The system controller (SC360) will load important parameters in communicating mode and no interaction is necessary when replacing the AHC. IF the AHC and the System Controller (SC360) need replaced at the same time- contact your local FSR or technical support agent.

Product Specifications

MODEL	TAMXB0A24V21DB	TAMXB0B30V31DB	TAMXB0C36V31DB
RATED VOLTS/PH/HZ.	200 – 230/1/60	200 – 230/1/60	200 – 230/1/60
RATINGS ^(a)	See O.D. Specifications	See O.D. Specifications	See O.D. Specifications
INDOOR COIL – Type	Plate Fin	Plate Fin	Plate Fin
Rows – F.P.I.	3 – 14	3 – 14	3 – 14
Face Area (sq. ft.)	3.67	5.04	5.50
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EEV	EEV	EEV
Drain Conn. Size (in.) ^(b)	3/4 NPT	3/4 NPT	3/4 NPT
DUCT CONNECTIONS	See Outline Drawing	See Outline Drawing	See Outline Drawing
INDOOR FAN – Type	Centrifugal	Centrifugal	Centrifugal
Diameter-Width (In.)	11 x 8	11 x 10	11 x 10
No. Used	1	1	1
Drive – No. Speeds	Direct – Variable	Direct – Variable	Direct – Variable
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
No. Motors – H.P.	1 – 1/2	1 – 1/2	1 – 1/2
Motor Speed RPM	Variable ECM	Variable ECM	Variable ECM
Volts/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60
F.L. Amps	3.0 – 4.1 ^(c)	3.0 – 4.1 ^(c)	3.0 – 4.1 ^(c)
FILTER			
Filter Furnished?	No	No	No
Type Recommended	Throwaway	Throwaway	Throwaway
No.-Size-Thickness	1 – 16 x 20 – 1 in.	1 – 20 x 20 – 1 in.	1 – 22 x 20 – 1 in.
REFRIGERANT	R-410A	R-410A	R-410A
Ref. Line Connections	Brazed	Brazed	Brazed
Coupling or Conn. Size-in. Gas	3/4	3/4	7/8
Coupling or Conn. Size-in. Liq.	3/8	3/8	3/8
DIMENSIONS	H x W x D	H x W x D	H x W x D
Crated (In.)	51 x 20 x 24.5	56.8 x 23.5 x 24.5	58 x 25.5 x 24.5
Uncrated	49.9 x 17.5 x 21.8	55.7 x 21.3 x 21.8	56.9 x 23.5 x 21.8
WEIGHT			
Shipping (Lbs.)/Net (Lbs.)	126/116	150/138	157/146

^(a) These Air Handlers are AHRI certified with various Split System Air Conditioners and Heat Pumps (AHRI STANDARD 210/240).

^(b) 3/4" Male Plastic Pipe (Ref.:ASTM 1785–76)

^(c) Check motor nameplate for actual FLA.

Product Specifications

MODEL	TAMXB0C42CV41DB	TAMXB0C48V41DB	TAMXB0C60V51DB
RATED VOLTS/PH/HZ.	200 – 230/1/60	200 – 230/1/60	200 – 230/1/60
RATINGS ^(a)	See O.D. Specifications	See O.D. Specifications	See O.D. Specifications
INDOOR COIL – Type	Plate Fin	Plate Fin	Plate Fin
Rows – F.P.I.	4 – 14	4 – 14	4 – 14
Face Area (sq. ft.)	5.04	5.96	5.96
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EEV	EEV	EEV
Drain Conn. Size (in.) ^(b)	3/4 NPT	3/4 NPT	3/4 NPT
DUCT CONNECTIONS	See Outline Drawing	See Outline Drawing	See Outline Drawing
INDOOR FAN – Type	Centrifugal	Centrifugal	Centrifugal
Diameter-Width (In.)	11 x 10	11 x 10	11 x 10
No. Used	1	1	1
Drive — No. Speeds	Direct – Variable	Direct – Variable	Direct – Variable
CFM vs. in. w.g.	See Fan Performance Table	See Fan Performance Table	See Fan Performance Table
No. Motors – H.P.	1 – 1/2	1 – 3/4	1 – 1
Motor Speed RPM	Variable ECM	Variable ECM	Variable ECM
Volts/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60
F.L. Amps ^(c)	3.0 – 4.1	5.0 – 6.1	6.4 – 7.5
FILTER			
Filter Furnished?	No	No	No
Type Recommended	Throwaway	Throwaway	Throwaway
No.-Size-Thickness	1 – 22 x 20 – 1 in.	1 – 22 x 20 – 1 in.	1 – 22 x 20 – 1 in.
REFRIGERANT	R-410A	R-410A	R-410A
Ref. Line Connections	Brazed	Brazed	Brazed
Coupling or Conn. Size-in. Gas	7/8	7/8	7/8
Coupling or Conn. Size-in. Liq.	3/8	3/8	3/8
DIMENSIONS	H x W x D	H x W x D	H x W x D
Crated (In.)	58 x 25.5 x 24.5	62.8 x 25.5 x 24.5	62.8 x 25.5 x 24.5
Uncrated	56.9 x 23.5 x 21.8	61.7 x 23.5 x 21.8	61.7 x 23.5 x 21.8
WEIGHT			
Shipping (Lbs.)/Net (Lbs.)	162/150	174/162	175/163

^(a) These Air Handlers are AHRI certified with various Split System Air Conditioners and Heat Pumps (AHRI STANDARD 210/240).

^(b) 3/4" Male Plastic Pipe (Ref.:ASTM 1785–76)

^(c) Check motor nameplate for actual FLA.

TAMX Air Flow Performance Tables

OUTDOOR MULTIPLIER (TONS)	TAMXB0A24 AIRFLOW PERFORMANCE				CONSTANT CFM MODE / CONSTANT TORQUE MODE											
	COOLING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE (Constant CFM/ Constant Torque)				HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE							
			0.1	0.3	0.5	0.7			0.9	0.1	0.3	0.5	0.7	0.9		
1.5 tons	290 CFM/ton	CFM	407 / 546	430 / 403	398 / NA	347 / NA	255 / NA	290 CFM/ton	CFM	416	426	401	330	291		
	350 CFM/ton	Watts	22 / 40	51 / 48	77 / NA	103 / NA	133 / NA	CFM/ton	Watts	22	49	76	101	134		
	400 CFM/ton	CFM	534 / 630	549 / 531	542 / 360	509 / NA	445 / NA	350 CFM/ton	CFM	532	550	542	507	434		
	450 CFM/ton	Watts	39 / 57	71 / 68	103 / 73	132 / NA	156 / NA	CFM/ton	Watts	37	69	101	129	152		
	290 CFM/ton	CFM	617 / 697	633 / 617	632 / 501	604 / NA	559 / NA	400 CFM/ton	CFM	660	680	679	658	614		
	350 CFM/ton	Watts	54 / 72	90 / 86	125 / 96	156 / NA	181 / NA	CFM/ton	Watts	62	99	136	169	197		
	400 CFM/ton	CFM	691 / 762	710 / 693	707 / 602	688 / 478	649 / NA	450 CFM/ton	CFM	690	710	709	690	651		
	450 CFM/ton	Watts	72 / 91	111 / 106	148 / 119	183 / 127	212 / NA	CFM/ton	Watts	69	108	145	180	208		
	290 CFM/ton	CFM	593 / 680	613 / 595	607 / 470	583 / 208	527 / 132	290 CFM/ton	CFM	593	613	608	582	527		
	350 CFM/ton	Watts	54 / 68	85 / 81	119 / 90	150 / 94	175 / 138	CFM/ton	Watts	48	82	116	147	172		
	400 CFM/ton	CFM	717 / 783	733 / 717	733 / 632	714 / 519	678 / 355	350 CFM/ton	CFM	714	734	734	716	679		
	450 CFM/ton	Watts	79 / 98	118 / 114	157 / 127	192 / 136	222 / 143	CFM/ton	Watts	75	115	153	189	218		
2 tons †	290 CFM/ton	CFM	810 / 868	827 / 811	827 / 740	813 / 652	782 / 543	400 (e) CFM/ton	CFM	862	881	884	874	849		
	350 CFM/ton	Watts	108 / 128	152 / 146	194 / 161	233 / 173	265 / 182	CFM/ton	Watts	122	168	213	254	290		
	400 CFM/ton	CFM	903 / 954	918 / 902	920 / 839	909 / 764	884 / 674	450 CFM/ton	CFM	899	917	921	912	889		
	450 CFM/ton	Watts	144 / 165	192 / 182	238 / 201	280 / 215	316 / 224	CFM/ton	Watts	136	184	231	273	310		
	290 CFM/ton	CFM	741 / 820	757 / 759	757 / 681	739 / 582	705 / 452	290 CFM/ton	CFM	738	757	758	742	707		
	350 CFM/ton	Watts	86 / 110	126 / 127	166 / 141	202 / 152	232 / 159	CFM/ton	Watts	81	122	162	198	229		
	400 CFM/ton	CFM	880 / 947	896 / 895	896 / 832	885 / 757	859 / 665	350 CFM/ton	CFM	876	895	898	888	864		
	450 CFM/ton	Watts	134 / 162	182 / 181	226 / 198	267 / 211	302 / 221	CFM/ton	Watts	127	174	220	261	297		
	290 CFM/ton	CFM	996 / 1059	1011 / 1011	1014 / 954	1006 / 887	985 / 807	400 CFM/ton	CFM	1064	1083	1089	1084	1066		
	350 CFM/ton	Watts	188 / 220	241 / 240	291 / 257	336 / 271	375 / 280	CFM/ton	Watts	215	272	326	375	418		
	400 CFM/ton	CFM	1120 / 1180	1135 / 1134	1137 / 1081	1129 / 1019	1108 / 946	450 CFM/ton	CFM	1115	1133	1139	1133	1116		
	450 CFM/ton	Watts	260 / 297	319 / 317	373 / 334	422 / 347	463 / 355	CFM/ton	Watts	244	304	360	410	453		
2.5 tons	290 CFM/ton	CFM	875 / 943	891 / 891	892 / 891	880 / 751	854 / 659	290 CFM/ton	CFM	871	890	894	883	859		
	350 CFM/ton	Watts	132 / 160	179 / 179	224 / 196	265 / 209	300 / 218	CFM/ton	Watts	125	172	217	259	295		
	400 CFM/ton	CFM	1045 / 1106	1060 / 1059	1063 / 1004	1055 / 939	1035 / 862	350 CFM/ton	CFM	1040	1058	1064	1059	1041		
	450 CFM/ton	Watts	215 / 248	270 / 268	321 / 285	369 / 299	409 / 308	CFM/ton	Watts	202	257	310	358	401		
	290 CFM/ton	CFM	1200 / 1257	1212 / 1211	1212 / 1159	1200 / 1099	1129 / 1030	400 CFM/ton	CFM	1291	1302	1300	1220	1138		
	350 CFM/ton	Watts	315 / 354	376 / 374	432 / 390	480 / 402	481 / 409	CFM/ton	Watts	368	432	487	478	470		
	400 CFM/ton	CFM	1358 / 1403	1333 / 1359	1256 / 1308	1177 / 1251	1095 / 1187	450 CFM/ton	CFM	1355	1360	1286	1208	1128		
	450 CFM/ton	Watts	447 / 484	482 / 502	472 / 517	466 / 527	460 / 531	CFM/ton	Watts	422	483	476	468	462		
	3 tons	290 CFM/ton	CFM	1200 / 1257	1212 / 1211	1212 / 1159	1200 / 1099	1129 / 1030	400 CFM/ton	CFM	1291	1302	1300	1220	1138	
		350 CFM/ton	Watts	315 / 354	376 / 374	432 / 390	480 / 402	481 / 409	CFM/ton	Watts	368	432	487	478	470	
		400 CFM/ton	CFM	1358 / 1403	1333 / 1359	1256 / 1308	1177 / 1251	1095 / 1187	450 CFM/ton	CFM	1355	1360	1286	1208	1128	
		450 CFM/ton	Watts	447 / 484	482 / 502	472 / 517	466 / 527	460 / 531	CFM/ton	Watts	422	483	476	468	462	
<ul style="list-style-type: none"> † Factory Setting Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower. Torque mode will reduce airflow when static is above approximately 0.3" water column. All heating modes default to Constant CFM. Cooling airflow values are with wet coil, no filter 																
TAMXB0A24 Minimum Heating Airflow Settings																
MODEL NO.	BAYEAC04BK1 BAYEAC04LG1 BAYEAC05BK1 BAYEAC05LG1	BAYEAC08BK1 BAYEAC08LG1	BAYEAC10BK1 BAYEAC10LG1	BAYEAC15LG3	BAYEAC15BK1	BAYEAC15LG3	BAYEAC15BK1	BAYEAC15LG3	BAYEAC15BK1	BAYEAC15LG3	BAYEAC15BK1	BAYEAC15LG3	BAYEAC15BK1	BAYEAC15LG3	BAYEAC15BK1	
TAMXB0A24	638/713	638/900	675/900	600/713	-	-	-	-	-	-	-	-	-	-	-	
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE FOR APPROVED COMBINATIONS																
(a) Factory heating default setting is 430 CFM/ton																

TAMXB0B30 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE														
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)						HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE			
			0.1	0.3	0.5	0.7	0.9	0.1			0.3	0.5	0.7	0.9
1.5 tons	290 CFM/ton	CFM	492/581	442/397	408/NA	353/NA	221/NA	290 CFM/ton	CFM	485	437	393	349	300
	350 CFM/ton	Watts	22/30	45/41	71/NA	98/NA	129/NA	350 CFM/ton	Watts	21	44	69	97	130
	400 CFM/ton	CFM	576/664	553/515	527/NA	493/NA	472/NA	400 CFM/ton	CFM	574	545	517	489	457
	450 CFM/ton	Watts	30/40	58/54	87/NA	117/NA	150/NA	450 CFM/ton	Watts	29	56	85	115	146
	290 CFM/ton	CFM	644/730	633/598	612/403	590/NA	563/NA	290 CFM/ton	CFM	643	624	605	583	559
	350 CFM/ton	Watts	38/49	70/65	102/72	134/NA	167/NA	350 CFM/ton	Watts	37	67	99	132	165
	400 CFM/ton	CFM	711/794	708/673	691/510	678/NA	656/NA	400 CFM/ton	CFM	709	698	684	669	649
	450 CFM/ton	Watts	47/60	83/77	118/86	154/NA	189/NA	450 CFM/ton	Watts	45	80	115	151	186
	290 CFM/ton	CFM	627/713	611/576	589/369	568/NA	542/NA	290 CFM/ton	CFM	625	603	582	559	533
	350 CFM/ton	Watts	36/47	66/62	98/68	130/NA	163/NA	350 CFM/ton	Watts	35	64	95	127	160
2 tons †	290 CFM/ton	CFM	734/815	730/698	717/541	705/NA	684/NA	290 CFM/ton	CFM	731	722	710	696	677
	350 CFM/ton	Watts	51/64	87/82	124/91	161/NA	197/NA	350 CFM/ton	Watts	49	84	120	157	193
	400 CFM/ton	CFM	822/898	824/792	817/657	811/NA	797/NA	400 CFM/ton	CFM	817	815	811	801	788
	450 CFM/ton	Watts	66/81	107/101	149/112	191/NA	231/NA	450 CFM/ton	Watts	63	103	145	186	226
	290 CFM/ton	CFM	910/982	916/884	916/763	914/610	904/NA	290 CFM/ton	CFM	902	907	908	904	895
	350 CFM/ton	Watts	85/102	131/123	178/136	226/140	270/NA	350 CFM/ton	Watts	80	126	172	219	263
	400 CFM/ton	CFM	755/860	753/749	742/606	732/397	712/NA	400 CFM/ton	CFM	753	745	735	723	706
	450 CFM/ton	Watts	54/73	92/91	130/102	168/104	205/NA	450 CFM/ton	Watts	52	88	126	164	201
	290 CFM/ton	CFM	887/985	893/887	891/767	888/614	876/NA	290 CFM/ton	CFM	881	884	884	879	868
	350 CFM/ton	Watts	80/102	125/124	170/137	217/141	260/NA	350 CFM/ton	Watts	75	120	165	210	253
2.5 tons	290 CFM/ton	CFM	998/1094	1010/1003	1017/895	1018/765	1008/NA	290 CFM/ton	CFM	989	1001	1008	1008	1000
	350 CFM/ton	Watts	107/134	160/158	213/173	266/179	315/NA	350 CFM/ton	Watts	100	152	205	257	306
	400 CFM/ton	CFM	1116/1212	1135/1126	1147/1027	1148/911	1134/NA	400 CFM/ton	CFM	1104	1124	1136	1139	1128
	450 CFM/ton	Watts	143/176	205/201	267/219	325/227	376/NA	450 CFM/ton	Watts	133	194	255	314	366
	290 CFM/ton	CFM	883/981	888/882	887/762	881/608	870/NA	290 CFM/ton	CFM	877	880	879	874	863
	350 CFM/ton	Watts	79/101	124/122	169/136	214/140	257/NA	350 CFM/ton	Watts	74	118	164	208	252
	400 CFM/ton	CFM	1043/1140	1059/1051	1068/947	1069/823	1059/NA	400 CFM/ton	CFM	1034	1049	1058	1061	1053
	450 CFM/ton	Watts	120/150	177/174	233/190	288/197	339/NA	450 CFM/ton	Watts	112	168	224	279	330
	290 CFM/ton	CFM	1190/1304	1214/1221	1226/1126	1223/1016	1201/886	290 CFM/ton	CFM	1177	1201	1215	1215	1198
	350 CFM/ton	Watts	170/203	238/231	304/251	364/261	414/261	350 CFM/ton	Watts	157	224	291	352	403
3 tons	290 CFM/ton	CFM	1355/1471	1376/1391	1375/1302	1353/1201	1296/1086	290 CFM/ton	CFM	1338	1363	1368	1350	1314
	350 CFM/ton	Watts	241/282	318/311	386/333	441/345	472/345	350 CFM/ton	Watts	221	299	369	427	472
	400 CFM/ton	CFM	883/981	888/882	887/762	881/608	870/NA	400 CFM/ton	CFM	877	880	879	874	863
	450 CFM/ton	Watts	79/101	124/122	169/136	214/140	257/NA	450 CFM/ton	Watts	74	118	164	208	252
	290 CFM/ton	CFM	1043/1140	1059/1051	1068/947	1069/823	1059/NA	290 CFM/ton	CFM	1034	1049	1058	1061	1053
	350 CFM/ton	Watts	120/150	177/174	233/190	288/197	339/NA	350 CFM/ton	Watts	112	168	224	279	330
	400 CFM/ton	CFM	1190/1304	1214/1221	1226/1126	1223/1016	1201/886	400 CFM/ton	CFM	1177	1201	1215	1215	1198
	450 CFM/ton	Watts	170/203	238/231	304/251	364/261	414/261	450 CFM/ton	Watts	157	224	291	352	403
	290 CFM/ton	CFM	1355/1471	1376/1391	1375/1302	1353/1201	1296/1086	290 CFM/ton	CFM	1338	1363	1368	1350	1314
	350 CFM/ton	Watts	241/282	318/311	386/333	441/345	472/345	350 CFM/ton	Watts	221	299	369	427	472

- † Factory Setting
- Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
- Torque mode will reduce airflow when static is above approximately 0.35" water column.
- All heating modes default to Constant CFM.
- Cooling airflow values are with wet coil, no filter

TAMXB0B30 Minimum Heating Airflow Settings

MODEL NO.	BAYEAC04BK1	BAYEAC08BK1	BAYEAC10BK1	BAYEAC10LG3	BAYEABC15BK1	BAYEAC15LG3	BAYEABC20BK1
TAMXB0B30	BAYEAC04LG1 BAYEAC05BK1 BAYEAC05LG1	BAYEAC08LG1	BAYEAC10BK1 BAYEAC10LG1	BAYEAC10LG3	BAYEABC15BK1	BAYEAC15LG3	BAYEABC20BK1
	723/808	723/1020	765/1020	680/808	765/1063	850/1105	-
	WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE						

(e) Factory heating default setting is 430 CFM/ton

TAMX Air Flow Performance Tables

TAMXB0C36 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE														
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)					HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE				
			0.1	0.3	0.5	0.7	0.9			0.1	0.3	0.5	0.7	0.9
2 tons	290	CFM	605/747	573/565	553/306	548/NA	546/NA	290	CFM	606	574	557	551	549
	CFM/ton	Watts	31/48	59/58	88/62	120/NA	153/NA	CFM/ton	Watts	31	58	87	119	152
	370	CFM	755/880	745/738	737/575	738/367	735/NA	350	CFM	720	705	695	694	691
	CFM/ton	Watts	50/70	85/85	121/93	160/97	197/NA	CFM/ton	Watts	43	77	111	148	184
	400	CFM	810/929	804/797	800/650	802/478	802/231	400	CFM	810	805	800	803	802
	CFM/ton	Watts	58/80	97/96	136/106	176/111	216/120	CFM/ton	Watts	56	95	134	174	214
	450	CFM	900/1011	900/893	902/764	905/624	906/462	450	CFM	900	900	903	906	907
	CFM/ton	Watts	75/98	118/117	162/129	207/136	251/140	CFM/ton	Watts	72	115	159	204	248
	290	CFM	742/891	729/752	722/592	721/394	720/NA	290	CFM	742	731	722	722	720
	CFM/ton	Watts	48/72	82/87	118/96	155/99	193/NA	CFM/ton	Watts	46	81	117	154	191
2.5 tons	370	CFM	922/1055	923/942	927/820	930/690	931/546	350	CFM	877	877	876	880	880
	CFM/ton	Watts	80/109	124/128	170/142	215/150	260/154	CFM/ton	Watts	68	110	152	196	239
	400	CFM	989/1118	995/1012	1002/899	1008/779	1010/652	400	CFM	989	995	1000	1008	1008
	CFM/ton	Watts	95/127	143/148	193/163	242/173	290/177	CFM/ton	Watts	90	139	188	258	285
	450	CFM	1103/1228	1117/1131	1129/1028	1137/921	1137/809	450	CFM	1102	1116	1127	1137	1138
	CFM/ton	Watts	125/162	181/185	238/203	294/215	346/221	CFM/ton	Watts	119	175	231	288	340
	290	CFM	872/1009	871/890	871/761	874/620	874/457	290	CFM	871	872	871	874	875
	CFM/ton	Watts	70/97	111/116	154/128	197/135	240/139	CFM/ton	Watts	67	109	151	195	237
	370 †	CFM	1089/1214	1102/1116	1114/1013	1121/905	1122/791	350	CFM	1033	1043	1051	1059	1061
	CFM/ton	Watts	121/157	176/180	232/198	287/209	339/215	CFM/ton	Watts	101	152	204	257	307
3 tons †	400	CFM	1175/1298	1193/1205	1208/1107	1215/1006	1211/899	400 (a)	CFM	1171	1191	1205	1215	1212
	CFM/ton	Watts	147/188	208/212	270/231	329/244	382/251	CFM/ton	Watts	139	200	262	322	376
	450	CFM	1329/1447	1353/1361	1366/1270	1363/1176	1343/1077	450	CFM	1324	1349	1364	1364	1347
	CFM/ton	Watts	204/253	276/279	345/299	406/313	456/321	CFM/ton	Watts	192	264	334	396	448
	290	CFM	1002/1131	1009/1026	1017/914	1023/797	1024/671	290	CFM	997	1010	1016	1022	1027
	CFM/ton	Watts	98/130	147/152	198/167	248/177	296/182	CFM/ton	Watts	92	143	197	248	293
	370	CFM	1270/1391	1293/1302	1308/1210	1311/1113	1297/1012	350	CFM	1196	1217	1231	1241	1234
	CFM/ton	Watts	181/227	249/252	316/272	377/286	429/293	CFM/ton	Watts	146	210	272	334	387
	400	CFM	1383/1499	1407/1414	1416/1325	1406/1233	1380/1136	400	CFM	1379	1404	1415	1330	1390
	CFM/ton	Watts	227/278	303/305	372/325	431/340	478/348	CFM/ton	Watts	214	289	360	378	473
3.5 tons	450	CFM	1579/1669	1583/1587	1567/1502	1474/1413	1357/1320	450	CFM	1499	1508	1586	1504	1390
	CFM/ton	Watts	326/375	402/402	464/423	475/437	468/444	CFM/ton	Watts	268	342	460	478	472
	<ul style="list-style-type: none"> † Factory Setting Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower. Torque mode will reduce airflow when static is above approximately 0.35" water column. All heating modes default to Constant CFM. Cooling airflow values are with wet coil, no filter 													
	TAMXB0C36 Minimum Heating Airflow Settings													
	MODEL NO.	BAYEAC04BK1 BAYEAC04LG1 BAYEAC05BK1 BAYEAC05LG1	BAYEAC08BK1 BAYEAC08LG1	BAYEAC10BK1 BAYEAC10LG1	BAYEAC10LG3	BAYEABC15BK1	BAYEABC15LG3	BAYEABC20BK1						BAYEABC20BK1
	TAMXB0C36	876/979	876/1236	927/1236	824/979	927/1288	1030/1339	1236/1442						1236/1442
	WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE													

(a) Factory heating default setting is 420 CFM/ton

TAMXB0C42 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE														
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)						HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE			
			0.1	0.3	0.5	0.7	0.9	0.1			0.3	0.5	0.7	0.9
2.5 tons	290	CFM	747/905	743/764	742/591	741/342	739/NA	290	CFM	744	741	740	738	734
	CFM/ton	Watts	48/77	87/94	127/102	168/106	207/NA	CFM/ton	Watts	51	90	130	170	209
	370	CFM	937/1072	942/956	946/823	947/655	944/458	350	CFM	889	892	894	894	890
	CFM/ton	Watts	80/118	129/139	179/151	227/155	273/155	CFM/ton	Watts	76	123	169	215	259
	400	CFM	1006/1136	1014/1027	1020/903	1022/760	1019/586	400	CFM	1006	1016	1018	1019	1016
	CFM/ton	Watts	95/138	148/159	201/173	253/178	302/177	CFM/ton	Watts	103	156	209	160	308
	450	CFM	1122/1247	1135/1146	1143/1035	1146/911	1142/768	450	CFM	1124	1135	1142	1144	1140
	CFM/ton	Watts	125/176	185/200	245/216	303/224	357/223	CFM/ton	Watts	136	196	256	313	366
	290	CFM	885/1026	889/904	891/763	892/590	889/341	290	CFM	884	887	889	889	885
	CFM/ton	Watts	70/106	116/125	163/136	209/139	254/143	CFM/ton	Watts	75	121	168	214	257
3 tons	370	CFM	1108/1233	1120/1132	1128/1019	1131/893	1128/747	350	CFM	1053	1062	1067	1069	1066
	CFM/ton	Watts	121/171	181/195	240/210	297/218	350/217	CFM/ton	Watts	115	171	227	280	330
	400	CFM	1194/1316	1208/1220	1218/1115	1221/999	1215/868	400	CFM	1196	1209	1218	1219	1212
	CFM/ton	Watts	147/204	212/229	276/246	337/255	393/256	CFM/ton	Watts	160	225	289	349	403
	450	CFM	1343/1463	1361/1374	1371/1279	1368/1175	1352/1061	450	CFM	1347	1363	1371	1366	1342
	CFM/ton	Watts	200/272	275/300	348/320	413/331	469/334	CFM/ton	Watts	220	295	367	430	480
	290	CFM	1020/1149	1028/1041	1034/919	1037/779	1034/609	290	CFM	1020	1028	1033	1173	1031
	CFM/ton	Watts	99/142	152/164	206/178	259/183	308/182	CFM/ton	Watts	107	160	214	327	315
	370 †	CFM	1287/1408	1304/1317	1314/1218	1315/1110	1304/981	350	CFM	1220	1234	1243	1244	1236
	CFM/ton	Watts	179/245	250/272	320/291	384/301	441/303	CFM/ton	Watts	169	236	301	362	417
3.5 tons †	400	CFM	1395/1514	1413/1427	1421/1334	1415/1233	1369/1124	400 †	CFM	1440	1416	1421	1411	1355
	CFM/ton	Watts	221/299	300/328	374/348	440/361	480/364	CFM/ton	Watts	244	322	395	458	475
	450	CFM	1584/1687	1593/1605	1576/1518	1474/1425	1350/1326	450	CFM	1589	1592	1545	1434	1315
	CFM/ton	Watts	313/405	399/435	467/458	477/472	468/477	CFM/ton	Watts	347	428	474	473	463
	290	CFM	1156/1302	1169/1205	1178/1098	1181/981	1174/848	290	CFM	1157	1169	1177	1179	1174
	CFM/ton	Watts	135/197	197/222	259/239	319/248	383/249	CFM/ton	Watts	147	209	271	330	383
	370	CFM	1487/1618	1500/1534	1496/1445	1445/1350	1319/1248	350	CFM	1400	1416	1421	1411	1335
	CFM/ton	Watts	288/359	369/389	441/411	481/425	470/429	CFM/ton	Watts	244	322	395	458	475
	400	CFM	1616/1728	1614/1646	1543/1543	1423/1423	1301/1301	400	CFM	1615	1615	1545	1431	1313
	CFM/ton	Watts	363/433	443/464	475/475	472/472	463/463	CFM/ton	Watts	363	444	474	471	462
4 tons	450	CFM	1711/1711	1621/1621	1514/1514	1393/1393	1273/1273	450	CFM	1716	1629	1528	1411	1297
	CFM/ton	Watts	432/432	456/456	465/465	460/460	453/453	CFM/ton	Watts	430	453	462	458	452
	<ul style="list-style-type: none"> † Factory Setting Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower. Torque mode will reduce airflow when static is above approximately 0.35" water column. All heating modes default to Constant CFM. Cooling airflow values are with wet coil, no filter 													
	TAMXB0C42 Minimum Heating Airflow Settings													
	MODEL NO.	BAYEAC04BK1	BAYEAC08BK1	BAYEAC10BK1	BAYEAC10BK1	BAYEAC10LG3	BAYEAC15BK1	BAYEAC15LG3	BAYEAC20BK1					
		BAYEAC04LG1	BAYEAC08LG1	BAYEAC10LG1	BAYEAC10LG1	BAYEAC10LG3	BAYEAC15BK1	BAYEAC15LG3	BAYEAC20BK1					
		BAYEAC05LG1	BAYEAC05LG1	BAYEAC05LG1	BAYEAC05LG1	BAYEAC10LG3	BAYEAC15BK1	BAYEAC15LG3	BAYEAC20BK1					
	TAMXB0C42	978/1093	978/1380	1035/1380	920/1093	1035/1438	1150/1495	1380/1610						
	WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE													

TAMX Air Flow Performance Tables

OUTDOOR MULTIPLIER (TONS)	TAMXB0C48 AIRFLOW PERFORMANCE										CONSTANT CFM MODE / CONSTANT TORQUE MODE												
	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)					HEATING AIRFLOW SETTING					AIRFLOW POWER					EXTERNAL STATIC PRESSURE							
	0.1	0.3	0.5	0.7	0.9	290	350	400	450	290	350	400	450	CFM	Watts	CFM	Watts	0.1	0.3	0.5	0.7	0.9	
3 tons	894/1018	900/897	896/767	886/622	871/445	290	350	400	450	290	350	400	450	CFM	Watts	CFM	Watts	893	900	893	883	864	
	69/91	114/114	157/130	195/137	229/136	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	72	118	159	197	230	
	1067/1180	1073/1078	1072/972	1065/859	1053/738	350	400	450	290	350	400	450	CFM	Watts	CFM	Watts	1068	1073	1070	1062	1049		
	106/132	158/160	208/180	252/192	292/194	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	112	164	213	257	295	
	1205/1314	1212/1222	1213/1128	1208/1029	1199/926	400	450	290	350	400	450	290	350	CFM	Watts	CFM	Watts	1207	1212	1206	1196	1196	
	145/176	203/206	259/229	309/244	354/249	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	154	212	266	315	359	
	1343/1451	1352/1367	1355/1280	1353/1190	1346/1098	450	290	350	400	450	290	350	400	CFM	Watts	CFM	Watts	1344	1352	1354	1344	1344	
	193/232	259/264	320/289	377/305	427/313	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	206	270	337	387	436	
	1034/1149	1041/1044	1038/934	1031/817	1018/690	290	350	400	450	290	350	400	450	CFM	Watts	CFM	Watts	1034	1040	1037	1028	1014	
	98/123	149/150	197/170	240/181	279/182	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	103	154	202	244	281	
3.5 tons	1228/1336	1235/1246	1236/1153	1232/1056	1224/955	350	400	450	290	350	400	450	CFM	Watts	CFM	Watts	1229	1235	1236	1230	1220		
	152/185	212/215	268/238	319/253	365/259	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	162	221	276	326	371		
	1389/1498	1399/1415	1403/1331	1401/1244	1395/1154	400	450	290	350	400	450	290	350	CFM	Watts	CFM	Watts	1392	1400	1403	1400	1394	
	212/253	280/286	343/311	402/328	455/336	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	226	293	356	413	465		
	1558/1669	1570/1592	1575/1514	1575/1434	1568/1351	450	290	350	400	450	290	350	CFM	Watts	CFM	Watts	1561	1572	1576	1574	1567		
	290/343	367/377	439/404	505/422	563/432	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	310	386	457	521	577		
	1168/1298	1175/1205	1175/1109	1170/1010	1160/905	290	350	400	450	290	350	400	450	CFM	Watts	CFM	Watts	1168	1176	1174	1168	1157	
	133/170	191/200	244/223	293/237	336/242	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	141	198	251	299	341		
	1389/1517	1399/1436	1403/1352	1401/1266	1395/1177	350	400	450	290	350	400	450	290	350	CFM	Watts	CFM	Watts	1392	1400	1403	1400	1394
	212/262	280/295	343/321	402/338	455/346	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	226	293	356	413	465		
4 tons †	1583/1714	1595/1639	1601/1562	1600/1483	1593/1401	400	450	290	350	400	450	290	350	CFM	Watts	CFM	Watts	1586	1597	1601	1599	1591	
	303/370	382/546	455/431	521/450	580/459	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	325	402	474	538	595		
	1790/1918	1800/184	1808/1775	1793/1701	1698/1625	450	290	350	400	450	290	350	CFM	Watts	CFM	Watts	1794	1801	1800	1766	1667		
	429/511	515/546	594/573	663/592	660/601	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	459	544	620	665	655		
	1301/1429	1310/1344	1312/1256	1309/1165	1302/1071	290	350	400	450	290	350	400	450	CFM	Watts	CFM	Watts	1302	1310	1311	1309	1301	
	177/222	241/253	300/278	355/294	404/302	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	189	252	310	355	403		
	1558/1688	1570/1613	1575/1535	1575/1455	1568/1373	350	400	450	290	350	400	450	290	350	CFM	Watts	CFM	Watts	1557	1570	1575	1575	1569
	290/354	367/389	439/415	505/434	563/444	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	290	367	439	505	563		
	1790/1918	1800/1848	1801/1775	1793/1701	1698/1625	400	450	290	350	400	450	290	350	CFM	Watts	CFM	Watts	1789	1799	1801	1794	1701	
	429/511	515/546	594/573	663/592	660/601	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	428	515	594	663	659		
4.5 tons**	2018/2018	1973/1973	1857/1857	1749/1749	1651/1651	450	290	350	400	450	290	350	CFM	Watts	CFM	Watts	2018	1975	1863	1757	1660		
	605/605	656/656	645/645	637/637	631/631	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM/ton	CFM	Watts	CFM	Watts	605	656	643	634	628		

- † Factory Setting
- ** Not an actual OD size
- Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower.
- Torque mode will reduce airflow when static is above approximately 0.4" water column.
- If the air handler is applied in downflow or horizontal configurations, the airflow should not exceed 2000 CFM. Airflow above 2000 CFM could result in water blow-off.
- All heating modes default to Constant CFM.
- Cooling airflow values are with wet coil, no filter

TAMXB0C48 Minimum Heating Airflow Settings						
MODEL NO.	BAYEAAC04BK1 BAYEAAC04LG1 BAYEAAC05BK1 BAYEAAC05LG1	BAYEAAC08BK1 BAYEAAC08LG1	BAYEAAC10BK1 BAYEAAC10LG1	BAYEAAC10LG3	BAYEABC15BK1 BAYEABC15LG3	BAYEABC20BK1 BAYEACC25BK1
TAMXB0C48	1063 / 1188	1125 / 1500	1000 / 1188	1125 / 1563	1250 / 1625	1500 / 1750
WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE						

TAMXB0C60 AIRFLOW PERFORMANCE CONSTANT CFM MODE / CONSTANT TORQUE MODE														
OUTDOOR MULTIPLIER (TONS)	COOLING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE (Constant CFM / Constant Torque)					HEATING AIRFLOW SETTING	AIRFLOW POWER	EXTERNAL STATIC PRESSURE				
			0.1	0.3	0.5	0.7	0.9			0.1	0.3	0.5	0.7	0.9
3.5 tons	290	CFM	1040/1151	1068/1056	1075/941	1066/799	1046/607	290	CFM	1039	1065	1071	1063	1045
	CFM/ton	Watts	94/119	151/148	203/168	247/175	283/165	CFM/ton	Watts	95	151	203	247	283
	370	CFM	1312/1343	1332/1264	1336/1174	1329/1068	1314/945	350	CFM	1247	1266	1270	1263	1248
	CFM/ton	Watts	171/178	236/210	296/235	349/250	392/251	CFM/ton	Watts	150	213	270	321	363
	400	CFM	1408/1496	1425/1426	1429/1346	1423/1256	1410/1154	400	CFM	1407	1423	1426	1421	1409
	CFM/ton	Watts	206/238	274/273	337/301	393/319	440/325	CFM/ton	Watts	206	274	337	392	439
	450	CFM	1565/1650	1579/1585	1584/1512	1580/1432	1569/1343	450	CFM	1564	1578	1582	1578	1569
	CFM/ton	Watts	274/312	348/348	416/378	477/398	529/407	CFM/ton	Watts	274	348	416	476	529
	290	CFM	1186/1304	1208/1223	1213/1128	1206/1018	1189/887	290	CFM	1185	1206	1210	1203	1187
	CFM/ton	Watts	131/164	192/196	248/220	297/234	337/233	CFM/ton	Watts	131	192	248	297	337
4 tons	370	CFM	1480/1514	1495/1444	1499/1365	1495/1277	1482/1177	350	CFM	1407	1423	1426	1421	1409
	CFM/ton	Watts	235/245	306/280	372/308	430/327	479/334	CFM/ton	Watts	206	274	337	392	439
	400	CFM	1587/1689	1602/1625	1606/1554	1602/1475	1592/1399	400	CFM	1587	1600	1604	1601	1592
	CFM/ton	Watts	285/332	360/369	429/399	490/420	543/430	CFM/ton	Watts	285	360	428	490	543
	450	CFM	1770/1873	1784/1813	1789/1747	1788/1675	1782/1597	450	CFM	1770	1783	1788	1788	1782
	CFM/ton	Watts	386/443	468/481	543/512	612/534	671/546	CFM/ton	Watts	385	467	543	611	671
	290	CFM	1322/1431	1340/1358	1345/1274	1338/1179	1323/1069	290	CFM	1321	1338	1342	1336	1322
	CFM/ton	Watts	174/211	240/245	300/271	353/288	397/292	CFM/ton	Watts	174	240	300	352	396
	370 †	CFM	1646/1667	1660/1602	1665/1530	1662/1451	1653/1363	350	CFM	1564	1578	1582	1578	1569
	CFM/ton	Watts	315/320	392/357	463/386	527/407	582/417	CFM/ton	Watts	274	348	416	476	529
4.5 tons **†	400	CFM	1770/1873	1784/1813	1789/1747	1788/1675	1781/1597	400 †	CFM	1770	1783	1788	1788	1782
	CFM/ton	Watts	386/443	468/481	543/512	612/534	671/546	CFM/ton	Watts	385	467	543	611	671
	450	CFM	1989/2099	2004/2042	2012/1980	2013/1913	2009/1842	450	CFM	1989	2003	2011	2014	2011
	CFM/ton	Watts	535/612	627/650	712/681	788/703	855/716	CFM/ton	Watts	534	626	711	788	856
	290	CFM	1452/1557	1469/1489	1473/1413	1468/1327	1455/1231	290	CFM	1452	1467	1471	1466	1454
	CFM/ton	Watts	224/265	294/301	358/329	415/348	463/356	CFM/ton	Watts	224	294	358	415	463
	370	CFM	1817/1826	1831/1765	1837/1698	1837/1624	1831/1544	350	CFM	1723	1736	1741	1740	1734
	CFM/ton	Watts	415/451	499/451	576/481	647/503	708/515	CFM/ton	Watts	357	437	511	578	636
	400	CFM	1964/2073	1978/2015	1986/1953	1987/1886	1983/1814	400	CFM	1964	1978	1985	1988	1985
	CFM/ton	Watts	516/590	607/629	690/660	766/682	832/695	CFM/ton	Watts	515	606	690	766	833
5 tons	450	CFM	2231/2347	2245/2292	2252/2233	2252/2171	2185/2104	450	CFM	2232	2245	2252	2252	2186
	CFM/ton	Watts	741/842	842/879	934/908	1015/930	1024/941	CFM/ton	Watts	741	842	934	1016	1023
	<ul style="list-style-type: none"> † Factory Setting ** Not an actual OD size Status LED will blink once per 100 CFM requested. In torque mode, actual airflow may be lower. Torque mode will reduce airflow when static is above approximately 0.4" water column. If the air handler is applied in downflow or horizontal configurations, the airflow should not exceed 2000 CFM. Airflow above 2000 CFM could result in water blow-off. All heating modes default to Constant CFM. Cooling airflow values are with wet coil, no filter. 													
	TAMXB0C60 MINIMUM HEATING AIRFLOW CFM — HEATER MATRIX													
	MODEL NO.	BAYEAAAC04BK1 BAYEAAAC04LG1 BAYEAAAC05BK1 BAYEAAAC05LG1	BAYEAAAC08BK1 BAYEAAAC08LG1	BAYEAAAC10BK1 BAYEAAAC10LG1	BAYEAAAC10LG3	BAYEABC15BK1	BAYEACB15LG3	BAYEABC20BK1	BAYEACC25BK1					
	TAMXB0C60	1063 / 1188	1063 / 1500	1125 / 1500	1000 / 1188	1125 / 1563	1250 / 1625	1500 / 1750	1625 / 1813	WITHOUT HEAT PUMP / WITH HP — SEE AIR HANDLER NAMEPLATE				

Heater Attribute Data

Note: Heater size will be announced when using the resistor that is being provided with the BAYEA heater. Heater can also be configured in the UX360 User Interface or Diagnostics Mobile App.

TAMXB0A24V21DB											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	4.1 **	5	15	-	-	4.1 **	5	15
BAYEAAC04++1	1	3.84	13100	16.0	25	25	2.88	9800	13.8	22	25
BAYEAAC05++1	1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYEAAC08++1	1	7.68	26200	32.0	45	45	5.76	19700	27.7	40	40
BAYEAAC10++1 ^(a)	1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEAAC10LG3	1-3 PH	9.60	32800	23.1	34	35	7.20	24600	20.0	30	30

Note: ** Motor Amps

^(a) Heater not qualified for 208V when installed in horizontal left position without Heat Pump

TAMXB0B30V31DB											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	4.1 **	5	15	-	-	4.1 **	5	15
BAYEAAC04++1	1	3.84	13100	16.0	25	25	2.88	9800	13.8	22	25
BAYEAAC05++1	1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYEAAC08++1	1	7.68	26200	32.0	45	45	5.76	19700	27.7	40	40
BAYEAAC10++1	1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEAAC10LG3	1-3 PH	9.60	32800	23.1	34	35	7.20	24600	20.0	30	30
BAYEABC15LG3	1-3 PH	14.40	42000	34.6	48	50	10.80	36900	30.0	43	45
BAYEABC15BK1 - Circuit 1 ^(a)	2	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEABC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25

Note: ** Motor Amps

^(a) MCA and MOP for circuit 1 contains the motor amps

TAMXB0C36V31DB											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	4.1 **	5	15	-	-	4.1 **	5	15
BAYEAAC04++1	1	3.84	13100	16.0	25	25	2.88	9800	13.8	22	25
BAYEAAC05++1	1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYEAAC08++1	1	7.68	26200	32.0	45	45	5.76	19700	27.7	40	40
BAYEAAC10++1	1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEAAC10LG3	1-3 PH	9.60	32800	23.1	34	35	7.20	24600	20.0	30	30
BAYEABC15LG3	1-3 PH	14.40	42000	34.6	48	50	10.80	36900	30.0	43	45

Heater Attribute Data

TAMXB0C36V31DB											
BAYEABC15BK1 - Circuit 1 (a)	2	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEABC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEABC20BK1 - Circuit 1	2	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEABC20BK1 - Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45

Note: ** Motor Amps

(a) MCA and MOP for circuit 1 contains the motor amps

TAMXB0C42V41DB											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	4.1 **	5	15	-	-	4.1 **	5	15
BAYEAAC04++1	1	3.84	13100	16.0	25	25	2.88	9800	13.8	22	25
BAYEAAC05++1	1	4.80	16400	20.0	30	30	3.60	12300	17.3	27	30
BAYEAAC08++1	1	7.68	26200	32.0	45	45	5.76	19700	27.7	40	40
BAYEAAC10++1	1	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEAAC10LG3	1-3 PH	9.60	32800	23.1	34	35	7.20	24600	20.0	30	30
BAYEABC15LG3	1-3 PH	14.40	42000	34.6	48	50	10.80	36900	30.0	43	45
BAYEABC15BK1 - Circuit 1 (a)	2	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEABC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEABC20BK1 - Circuit 1	2	9.60	32800	40.0	55	60	7.20	24600	34.6	48	50
BAYEABC20BK1 - Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45

Note: ** Motor Amps

(a) MCA and MOP for circuit 1 contains the motor amps

TAMXB0C48V41DB											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	6.1 **	8	15	-	-	6.1 **	8	15
BAYEAAC04++1	1	3.84	13100	16.0	28	30	2.88	9800	13.8	25	25
BAYEAAC05++1	1	4.80	16400	20.0	33	35	3.60	12300	17.3	29	30
BAYEAAC08++1	1	7.68	26200	32.0	48	50	5.76	19700	27.7	42	45
BAYEAAC10++1	1	9.60	32800	40.0	58	60	7.20	24600	34.6	51	60
BAYEAAC10LG3	1-3 PH	9.60	32800	23.1	37	40	7.20	24600	20.0	33	35
BAYEABC15LG3	1-3 PH	14.40	42000	34.6	51	60	10.80	36900	30.0	45	45
BAYEABC15BK1 - Circuit 1 (a)	2	9.60	32800	40.0	58	60	7.20	24600	34.6	51	60
BAYEABC15BK1 - Circuit 2		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEABC20BK1 - Circuit 1	2	9.60	32800	40.0	58	60	7.20	24600	34.6	51	60
BAYEABC20BK1 - Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYEACC25BK1 — Circuit 1	3	9.60	32800	40.0	58	60	7.20	24600	34.6	51	60
BAYEACC25BK1 — Circuit 2		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYEACC25BK1 — Circuit 3		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25

Note: ** Motor Amps

(a) MCA and MOP for circuit 1 contains the motor amps

Heater Attribute Data

TAMXB0C60V51DB											
Heater Model No.	No. of Circuits	240 Volt					208 Volt				
		Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection	Capacity		Heater Amps per Circuit	Minimum Circuit Ampacity	Maximum Overload Protection
		kW	BTUH				kW	BTUH			
No Heater	0	-	-	7.5 **	9	15	-	-	7.5 **	9	15
BAYEAAC04++1	1	3.84	13100	16.0	29	30	2.88	9800	13.8	27	30
BAYEAAC05++1	1	4.80	16400	20.0	34	35	3.60	12300	17.3	31	35
BAYEAAC08++1	1	7.68	26200	32.0	49	50	5.76	19700	27.7	44	45
BAYEAAC10++1	1	9.60	32800	40.0	59	60	7.20	24600	34.6	53	60
BAYEAAC10LG3	1-3 PH	9.60	32800	23.1	38	40	7.20	24600	20.0	34	35
BAYEABC15LG3	1-3 PH	14.40	42000	34.6	53	60	10.80	36900	30.0	47	50
BAYEABC15BK1 - Circuit 1 ^(a) BAYEABC15BK1 - Circuit 2	2	9.60	32800	40.0	59	60	7.20	24600	34.6	53	60
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25
BAYEABC20BK1 - Circuit 1 BAYEABC20BK1 - Circuit 2	2	9.60	32800	40.0	59	60	7.20	24600	34.6	53	60
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
BAYEACC25BK1 ^(b) - Circuit 1 BAYEACC25BK1 - Circuit 2 BAYEACC25BK1 - Circuit 3	3	9.60	32800	40.0	59	60	7.20	24600	34.6	53	60
		9.60	32800	40.0	50	50	7.20	24600	34.6	43	45
		4.80	16400	20.0	25	25	3.60	12300	17.3	22	25

Note: ** Motor Amps

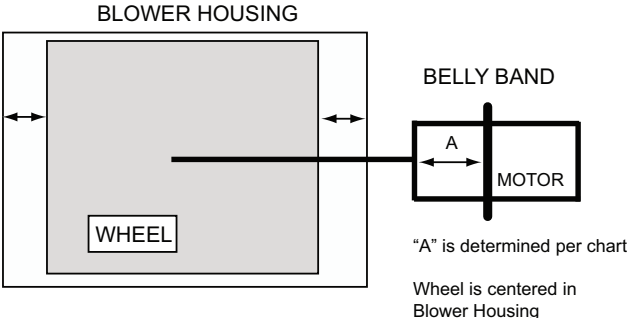
^(a) MCA and MOP for circuit 1 contains the motor amps

^(b) Heater not qualified for 208V when installed in horizontal left position without Heat Pump

Note: See Product Data or Air Handler nameplate for approved combinations of Air Handlers and Heaters.

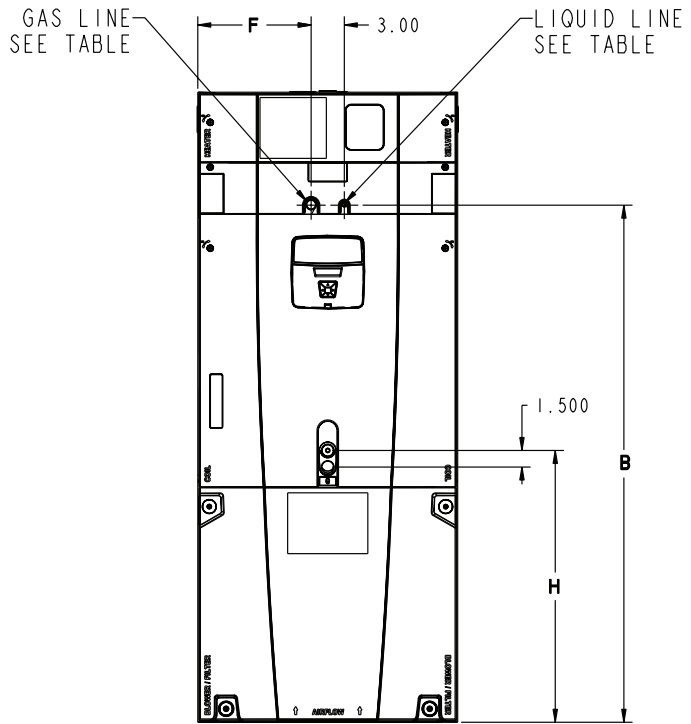
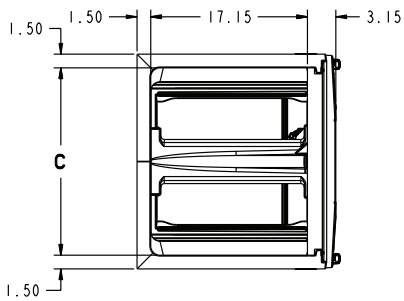
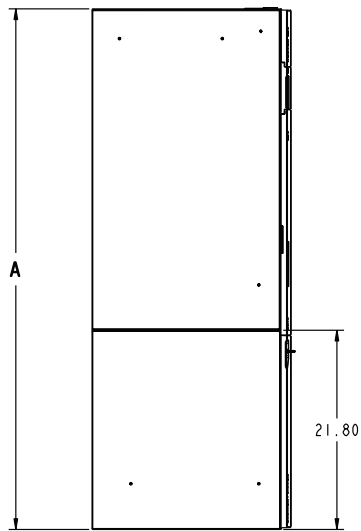
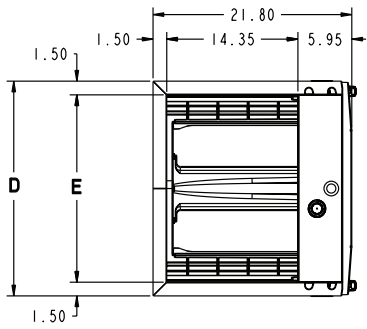
Note: Heater model numbers may have additional suffix digits.

Distance from Belly Band to Shaft Face of Motor for Minimum Vibration



MODEL	DIM "A"
TAMXB0A24V21DB	2-3/8
TAMXB0B30V21DB	2-3/8
TAMXB0C36V31DB	2-3/8
TAMXB0C42V31DB	2-3/8
TAMXB0C48V41DB	2-3/8
TAMXB0C60V51DB	2-3/8

Outline Drawing



MINIMUM UNIT CLEARANCE TABLE	
	SERVICE CLEARANCE (RECOMMENDED)
SIDES	2"
FRONT	21"
BACK	0"
INLET DUCT	
OUTLET DUCT	

NOTE: THIS UNIT IS APPROVED FOR INSTALLATION CLEARANCES TO COMBUSTIBLE MATERIAL AS STATED ON THE UNIT RATING NAMEPLATE

Model Number	A	B	C	D	E	F	H	FLOW CONTROL	GAS LINE BRAZE	LIQ LINE BRAZE
TAMXB0A24	49.9	39.6	14.5	17.5	14.5	7.3	24.4	EEV	3/4	3/8
TAMXB0B30	55.7	45.5	18.4	21.3	18.4	9.2	24.8	EEV	3/4	3/8
TAMXB0C36	56.9	46.7	20.5	23.5	20.5	10.3	24.2	EEV	7/8	3/8
TAMXB0C42	56.9	46.7	20.5	23.5	20.5	10.3	24.5	EEV	7/8	3/8
TAMXB0C48	61.7	51.5	20.5	23.5	20.5	10.3	24.9	EEV	7/8	3/8
TAMXB0C60	61.7	51.5	20.5	23.5	20.5	10.3	24.9	EEV	7/8	3/8

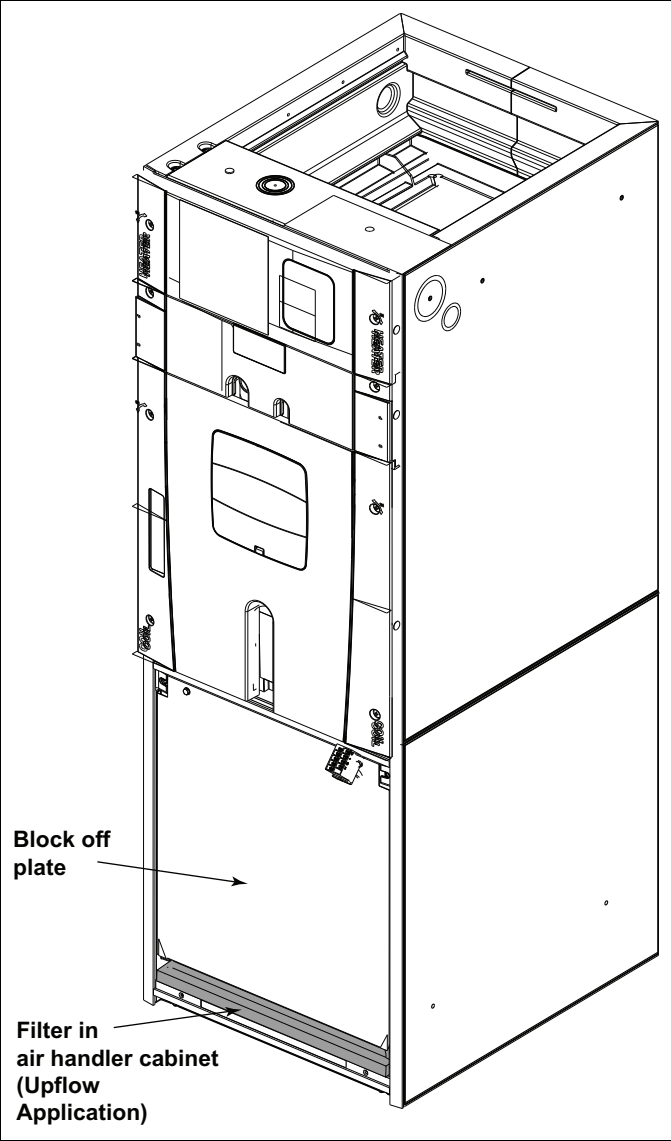
Filters

Table 26. Filter Considerations

- A filter must be installed within the system.
- A filter channel is provided in the unit at the bottom of the Blower/Filter compartment.
- For customer ease of filter maintenance, it is recommended that a properly sized remote filter grill(s) be installed for units that are difficult to access. Airflow should not exceed the maximum rated velocity of the filter being used.

Table 27. Filter Sizes

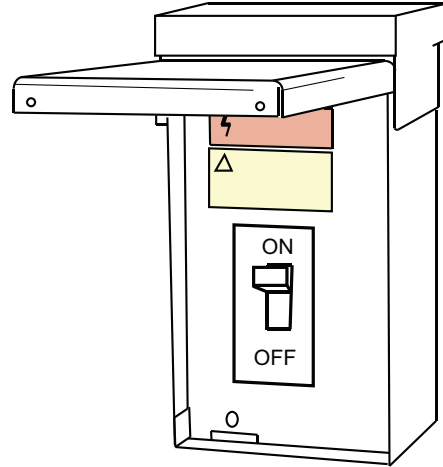
Cabinet Size *	A	B	C
Filter Size	16 x 20	20 x 20	22 x 20
* Cabinet size is indicated by the 7th digit in model number.			



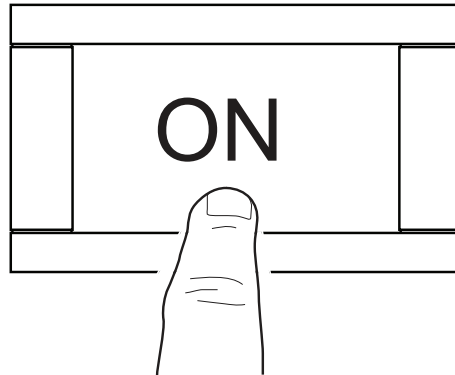
System Start Up

1. Make sure all panels are securely in place and that all wiring has been properly dressed and secured.

2. Turn on electrical power disconnect(s) to apply power to the indoor and outdoor units.



3. Set the system thermostat to ON.



System Charge Adjustments

System Matched with:	Indoor Unit Model No.	Outdoor Unit Model No.	Subcooling
Single Compressor 2-Stage HP	TAMXB0B30V31DB	4A6H6024E/G, 4TWX6024E/G 4A6H7024, 4TWX8024	9°
	TAMXB0C36V31DB	4A6H6036E/G, 4TWX6036E/G 4A6H7036, 4TWX8036	10°
	TAMXB0C48V41DB	4A6H6048E/G, 4TWX6048E/G 4A6H7048, 4TWX8048	8°
Single Compressor 2-Stage AC	TAMXB0B30V31DB	4A7A6024E/G, 4TTX6024E/G 4A7A7024, 4TTX8024	8°
	TAMXB0C36V31DB	4A7A6036E/G, 4TTX6036E/G 4A7A7036, 4TTX8036	8°
	TAMXB0C48V41DB	4A7A6048E/G, 4TTX6048E/G 4A7A7048, 4TTX8048	8°

Notes:

1. Variable Speed outdoor units must be charged per the outdoor unit instructions.
2. All other matches must be charged per the nameplate charging instructions.

Fault Reporting

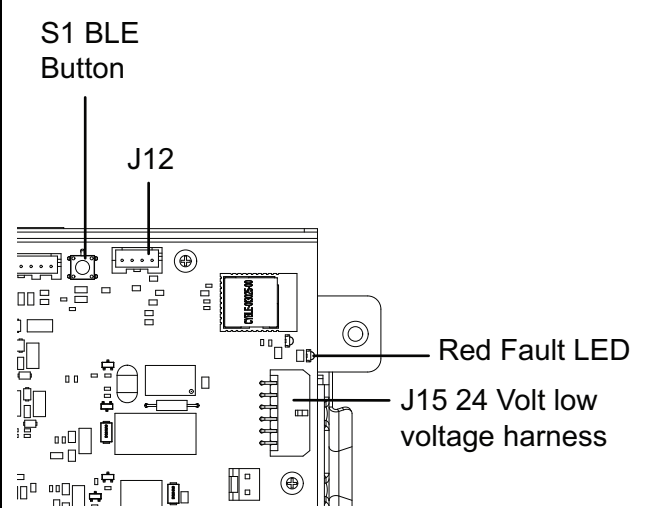
<p>The Air Handler Control (AHC) will show active faults and store historical faults in 24 volt mode. In 24 volt mode, the AHC will report active faults continuously and will report the last four faults stored after a power cycle of the unit. Refer to the LED flash code or Diagnostics Mobile App for fault code identification. In Link Communicating mode, faults will report to the UX360 User Interface Service Menu and Diagnostics Mobile App.</p>	 <p>The diagram shows the internal components of the Air Handler Control (AHC) board. Key components are labeled with leader lines: 'S1 BLE Button' at the top left, 'J12' in the center, 'Red Fault LED' on the right side, and 'J15 24 Volt low voltage harness' at the bottom right. The board itself is populated with various electronic components like resistors, capacitors, and integrated circuits.</p>
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Table 28. RED LED Fault Codes

Flash Code	Alarm Group	Alarm
2	Equipment Missing, Mismatch or Configuration Issue	No Model Number, Bad Model Number, No Valid Configuration
3	Blower Issue	Blower Communication, Low or No Airflow, Blower Motor Power High, Blower Motor Mismatch
4	EEV Issue	Coil is shorted or open, Valve Stuck, ET, GT, Low SH, High SH
5	Sensor Issue	SAT Sensor out of range, RA Static Pressure Sensor out of range
6	Indoor Heat Issue	CFG1–Electric Heat not detected, CFG2–Electric Heat not configured
7	External Switch	Switch 1 or Switch 2
8	Condensate Issue	
9	Frost Issue	

Stepper Motor Tables

— For use with Low and High Superheat Troubleshooting

Table 1 — For use with FIG 1		
Common Terminal	to Terminal	Measurement
Gray	Orange	46 ohms
Gray	Red	46 ohms
Gray	Yellow	46 ohms
Gray	Black	46 ohms

Table 2— For use with FIG 2		
Common Terminal	to Terminal	Measurement
Brown	Blue	46 ohms
Brown	Yellow	46 ohms
Red	Orange	46 ohms
Red	White	46 ohms

FIG 1

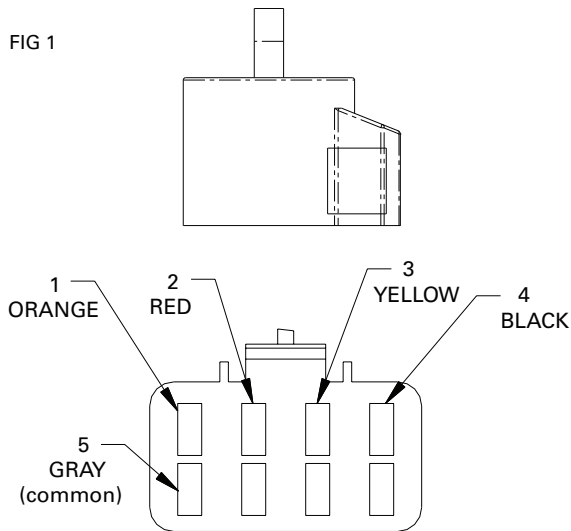
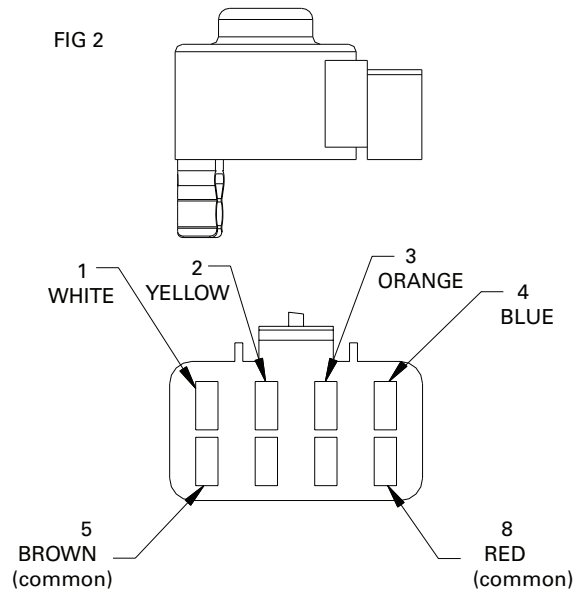


FIG 2



Unit Test Options

Table 29. 24 Volt Mode:

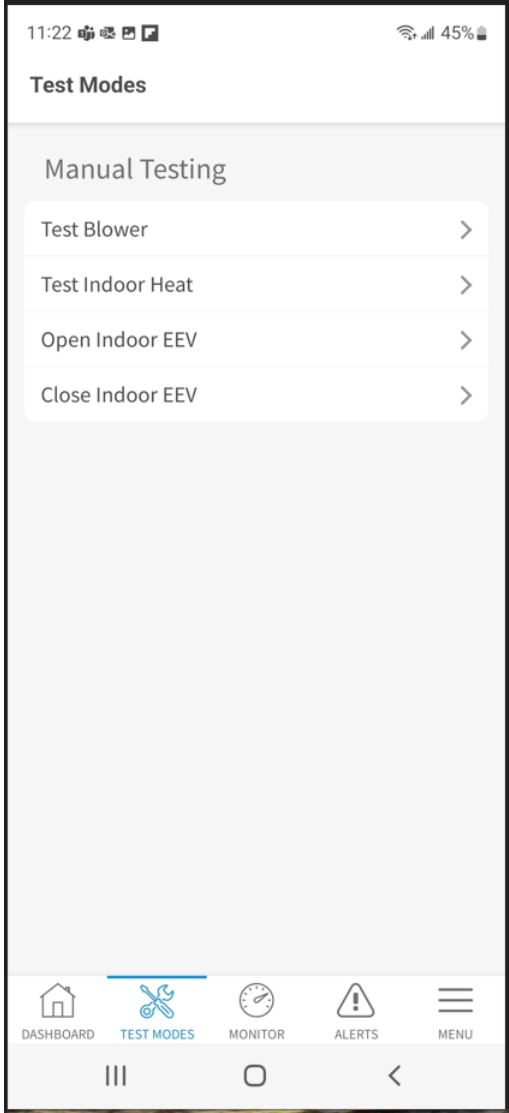
<p>Internal test can only be triggered using the Diagnostic Mobile App. There is not a local way to run any test mode manually. Tests available from the Diagnostics Mobile App are:</p> <p>The monitor menu in the Diagnostic Mobile App will show important information while in test modes that prove the test is successful.</p> <p>Test Blower allows the user to select a specific airflow to run the blower at. It is selectable from a slider and is dynamic and will speed up or slow down as the user moves the slider.</p> <p>Test Indoor Heat will test the different stages of indoor heat to prove they are working.</p> <p>Open Indoor EEV test will open the TAMX EEV fully for 30 seconds. This can be verified by watching the monitor screens during this test.</p> <p>Close Indoor EEV test will close the TAMX EEV completely for 90 seconds. If the system is running, you will see the refrigerant pressures react to a closed valve and will likely fault on low pressure.</p> <p>All tests can be stopped during the test and do not need to finish.</p>	
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Table 30. Link Communicating Mode:

<p>All test modes can be run from the User Interface (UX360) or the Diagnostics Mobile App.</p>

ET / GT and Supply Air Temperature Sensor

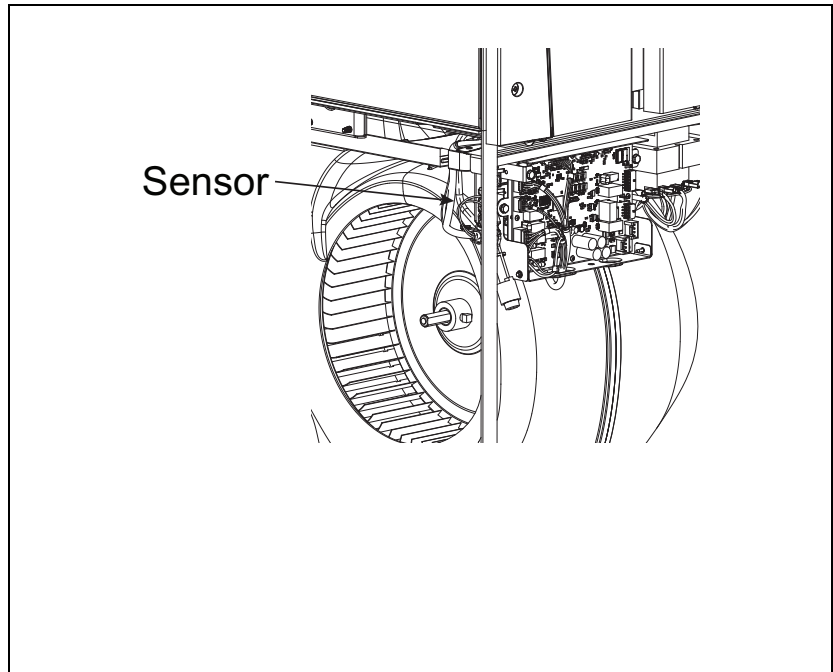
Table 31. Thermal Resistance and Voltage Table

TEMP F	TEMP C	THERMISTOR RESISTANCE (OHMS) *	Volts DC at plug J3 EVAP TEMP (ET) Orange to Orange GAS TEMP (GT) Black to Black	TEMP F	TEMP C	THERMISTOR RESISTANCE (OHMS) *	Volts DC at plug J3 EVAP TEMP (ET) Orange to Orange GAS TEMP (GT) Black to Black	TEMP F	TEMP C	THERMISTOR RESISTANCE (OHMS) *	Volts DC at plug J3 EVAP TEMP (ET) Orange to Orange GAS TEMP (GT) Black to Black
20	-6.67	45075.79	1.89	64	17.78	13476.21	1.17	108	42.22	4752.65	0.50
21	-6.11	43763.76	1.88	65	18.33	13138.29	1.15	109	42.78	4649.14	0.49
22	-5.56	42494.36	1.88	66	18.89	12809.93	1.13	110	43.33	4548.19	0.48
23	-5.00	41266.06	1.87	67	19.44	12490.82	1.11	111	43.89	4449.73	0.47
24	-4.44	40077.41	1.86	68	20.00	12180.67	1.09	112	44.44	4353.70	0.46
25	-3.89	38926.99	1.85	69	20.56	11878.94	1.07	113	45.00	4260.02	0.45
26	-3.33	37813.46	1.84	70	21.11	11585.67	1.06	114	45.56	4168.63	0.44
27	-2.78	36735.53	1.83	71	21.67	11300.63	1.04	115	46.11	4079.48	0.43
28	-2.22	35691.94	1.82	72	22.22	11023.53	1.02	116	46.67	3992.49	0.42
29	-1.67	34681.49	1.81	73	22.78	10754.14	1.00	117	47.00	3907.61	0.41
30	-1.11	33703.02	1.79	74	23.33	10492.21	0.98	118	47.88	3824.78	0.40
31	-0.56	32755.43	1.78	75	23.89	10237.51	0.96	119	48.33	3743.96	0.40
32	0.00	31837.65	1.77	76	24.44	9989.83	0.95	120	48.89	3665.67	0.39
33	0.56	30948.64	1.75	77	25.00	9748.93	0.93	121	49.44	3588.08	0.38
34	1.11	30087.41	1.74	78	25.56	9514.63	0.91	122	50.00	3512.92	0.37
35	1.67	29253.02	1.72	79	26.11	9287.72	0.89	123	50.56	3439.56	0.36
36	2.22	28444.53	1.71	80	26.67	9064.99	0.88	124	51.11	3367.95	0.36
37	2.78	27661.07	1.69	81	27.22	8849.27	0.86	125	51.67	3298.03	0.35
38	3.33	26901.79	1.67	82	27.78	8639.38	0.84	126	52.22	3229.76	0.34
39	3.89	26165.86	1.66	83	28.33	8435.31	0.83	127	52.78	3163.10	0.34
40	4.44	25452.49	1.64	84	28.89	8236.36	0.81	128	53.33	3098.01	0.33
41	5.00	24760.93	1.62	85	29.44	8042.90	0.80	129	53.89	3031.44	0.32
42	5.56	24090.44	1.60	86	30.00	7854.60	0.78	130	54.44	2972.36	0.31
43	6.11	23440.31	1.58	87	30.56	7671.30	0.77	131	55.00	2911.73	0.31
44	6.67	22809.87	1.57	88	31.11	7492.86	0.75	132	55.56	2852.50	0.30
45	7.22	22198.45	1.55	89	31.67	7319.12	0.74	133	56.11	2794.65	0.30
46	7.78	21605.43	1.53	90	32.22	7149.96	0.72	134	56.67	2738.13	0.29
47	8.33	21030.19	1.51	91	32.78	6985.24	0.71	135	57.22	2682.92	0.28
48	8.89	20472.15	1.49	92	33.33	6824.82	0.69	136	57.78	2928.98	0.28
49	9.44	19930.75	1.47	93	33.89	6668.58	0.68	137	58.33	2576.27	0.27
50	10.00	19405.43	1.45	94	34.44	6516.41	0.67	138	58.89	2524.77	0.27
51	10.56	18895.66	1.43	95	35.00	6368.17	0.65	139	59.44	2474.44	0.26
52	11.11	18400.95	1.41	96	35.56	6223.77	0.64	140	60.00	2425.25	0.26
53	11.67	17920.80	1.39	97	36.11	6083.08	0.63	141	60.56	2377.18	0.25
54	12.22	17454.74	1.37	98	36.67	5946.01	0.61	142	61.11	2330.20	0.25
55	12.78	17002.31	1.35	99	37.22	5812.44	0.60	143	61.67	2284.27	0.24
56	13.33	16563.08	1.33	100	37.78	5682.28	0.59	144	62.22	2239.38	0.24
57	13.89	16136.61	1.31	101	38.33	5555.43	0.58	145	62.78	2195.49	0.23
58	14.44	15622.51	1.29	102	38.89	5431.80	0.56	146	63.33	2152.59	0.23
59	15.00	15320.36	1.27	103	39.44	5311.29	0.55	147	63.89	2110.64	0.22
60	15.56	14929.80	1.25	104	40.00	5193.82	0.54	148	64.44	2069.63	0.22
61	16.11	14550.46	1.23	105	40.56	5079.31	0.53	149	65.00	2029.52	0.21
62	16.67	14181.97	1.21	106	41.11	4967.66	0.52	150	65.56	1990.31	—
63	17.22	13824.00	1.19	107	41.67	4858.80	0.51	Values should be within +/- 5%			

Return Air Temperature Sensor

Table 32. Thermal Resistance and Voltage Table

TEMP °F	TEMP °C	THERMISTOR RESISTANCE (OHMS)	Volts DC at J13 pins 1&2 (pin to pin)
40	4.4	25452	1.85
45	7.2	22198	1.70
50	10.0	19405	1.55
55	12.8	17002	1.41
60	15.6	14930	1.28
65	18.3	13138	1.17
70	21.1	11586	1.06
75	23.9	10238	0.96
80	26.7	9065	0.87
85	29.4	8043	0.78
90	32.2	7150	0.71
95	35.0	6368	0.64
100	37.8	5682	0.58
105	40.6	5079	0.53
110	43.3	4548	0.48
115	46.1	4079	0.43
120	48.9	3665	0.39
125	51.7	3298	0.35



Sequence of Operation

TAMX can be used in either Link Communicating mode or 24 volt mode. In Link Communicating mode, all configurations are made by using the configuration menu in the User Interface (UX360) or from the Diagnostic Mobile App. In 24 volt mode, basic operation is configured from the factory with no defaults for accessories. All configurations for blower delays, accessories etc., need accomplished using the Diagnostic Mobile App.

Abbreviations

- AHC = Air Handler Control
- EEV = Electronic Expansion Valve

Note: When in communicating mode, the system controller (SC360) controls indoor airflow and EEV starting position.

Note: Use variable speed outdoor Sequence of Operation in conjunction with the TAMX Sequence of Operation.

The installing and servicing technician should have an understanding of the sequence of operation to be able to properly setup and diagnose functions of the air handler.

See unit, electric heat, and field wiring diagrams for additional information.

Continuous Fan

Important: If the indoor air exceeds 60% relative humidity or simply feels uncomfortably humid, it is recommended that the indoor fan only be used in the AUTO mode.

1. When a fan request is received from the thermostat, the AHC sends a command to the serial communicating blower motor to run. Airflow can be adjusted through the thermostat.
2. Humidity Control – When enabled at the thermostat, this feature will disable any blower off delays and disable continuous fan mode when the humidity is above the dehumidification set point. This will help prevent coil condensation from being evaporated back into the air stream.

Cooling Mode

1. When a request for 1st stage cooling is received, the AHC sends a command to the serial communicating blower motor to run at 1st stage cooling airflow. (Delay profiles found in the UX360 User Interface or Diagnostics Mobile App may change blower motor timing and actual airflow demand)
2. The AHC will receive input from the two temperature sensors and start to control 1st stage superheat.

3. When a request for 2nd stage cooling is received, the AHC sends a command to the serial communicating blower motor to run at 100 % cooling airflow.
4. The AHC will now control superheat for 2nd stage.
5. When a request for cooling is removed, the AHC will turn off the blower motor after any user selected fan-off delays have expired.

Note: Delay profiles found in the UX360 User Interface or Diagnostics Mobile App may change blower motor timing and actual airflow demand.

Heat pump (compressor only)

1. When a request for 1st stage heat is received, the AHC sends a command to the serial communicating blower motor to run at 1st stage heating airflow.
2. The AHC will drive the EEV to the heating position and refrigerant will flow in the reverse cycle.
3. When a request for 2nd stage mechanical heat is received, the AHC sends a command to the serial communicating blower motor to run at 100 % heating airflow.
4. When a request for heat pump is removed, the AHC will turn off the blower motor after any user selected fan-off delays have expired.

Note: Delay profiles found in the UX360 User Interface or Diagnostics Mobile App may change blower motor timing and actual airflow demand.

Electric Heat

1. When a request for electric heat is received, the AHC will energize the on board 24 volt relays per the amount of heat requested from the thermostat and the size of the heater installed.
2. The AHC sends a command to the serial communicating blower motor to run proper airflow and close the blower interlock relay on the AHC.

Hydronic Heat

1. When a request for hydronic heat is received, the AHC will energize the on board W1 relay.
2. The AHC sends a command to the serial communicating blower motor to run at the requested CFM.

Defrost

1. The OD unit will initiate defrost and send a message to the AHC.
2. The AHC will communicate to the EEV that the OD is in defrost and the EEV will start to control the correct superheat.
3. Electric or hydronic heat will be energized to help temper the air.

Freeze Protection

1. The AHC control has the ability to sense when the indoor coil is beginning to ice. If this event should occur, the AHC will send a message to de-energize the OD unit.
2. The indoor blower motor will continue running to aid in defrosting the coil.
3. After 5 minutes, the OD will be turned back on.

TAMX has the ability to use the Diagnostics Mobile App to access internal features. The Diagnostics Mobile App connects to the unit through a Bluetooth Low Energy (BLE) connection using an onboard radio which talks to a app that is loaded to the technician's smart phone or tablet device.

The Diagnostics Mobile App can be found in the device app store when searching Trane Diagnostic or American Standard Diagnostics or by scanning a QR code that is located on the inside of the blower door.

24 volt mode:

Diagnostics Mobile App is available to read fault codes and to monitor live internal operation. Diagnostics Mobile App is necessary to configure accessories and external switches. If you choose to configure blower delays or to change CFM/ton etc., this will need done from the Diagnostics Mobile App.

Replacement Air Handler Control boards are generic and need to be configured. The Diagnostics Mobile App is the easiest way to accomplish this by simply choosing the model number of your unit in the configuration menu. The unit will then run with the correct blower speeds and EEV control etc. As a backup- there is a button press method for programming the unit size. This information is included in this units Service Facts and in the Installation Guide for the replacement Air Handler Control board. For 2 stage outdoor units, 1st stage airflow will be 70% of maximum airflow. Unit comes defaulted for HP operations and can be changed to AC by moving dipswitch #1 from OFF to ON. All other adjustments/ configurations need completed using the configuration menu in the Diagnostics Mobile App.

The BLE Radio will be on continuously until 24 hours after the user setup wizard has been completed inside the Diagnostics Mobile App. To turn the radio back on, simply push the S1 switch 1 time and is located on the bottom of the AHC. It will stay on for 24 hours and then automatically turn off.

Link Communicating Mode:

The BLE radio on the Air Handler Control board is 1 of 3 radios in the complete system and is used as an access point for the Diagnostics Mobile App. The Diagnostics Mobile App will continually monitor which radio provides the best signal strength and automatically switch to that stronger signal live. In communicating mode, the Diagnostics Mobile App Monitor Menu will show complete system operation. Diagnostics Mobile App can be used to configure accessories and external switches as well as run test modes, read active and historical faults and configure several unit parameters.

Checkout Procedures

The final phase of the installation is the system Checkout Procedures. The following list represents the most common items covered in a Checkout Procedure. Confirm all requirements in this document have been met.

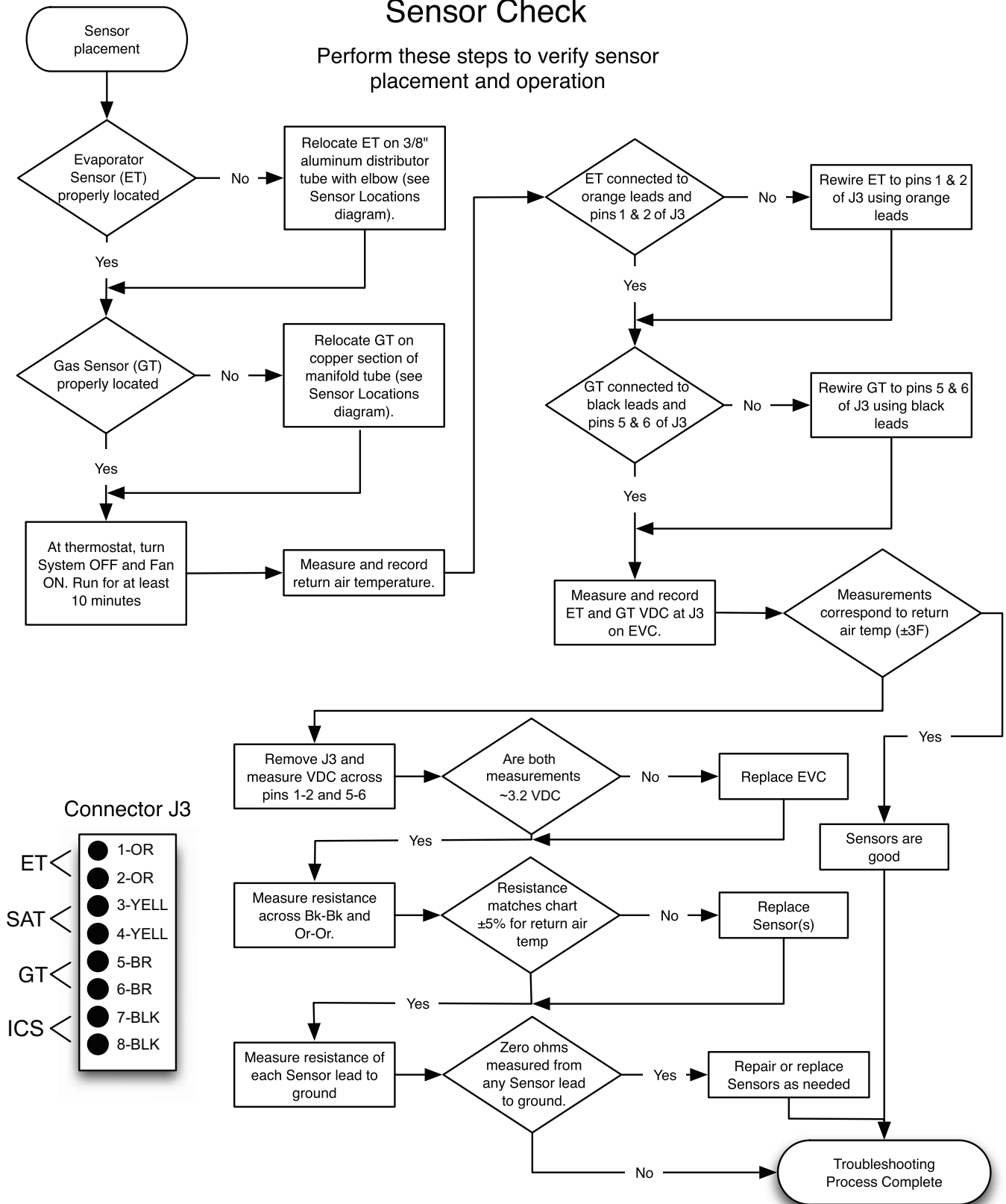
<ul style="list-style-type: none"><input type="checkbox"/> All wiring connections are tight and properly secured.<input type="checkbox"/> Voltage and running current are within limits.<input type="checkbox"/> Heater size resistor installed in the electric heat harness if used.<input type="checkbox"/> All refrigerant lines (internal and external to equipment) are isolated, secure, and not in direct contact with each other or structure.<input type="checkbox"/> All braze connections have been checked for leaks. A vacuum of 350 microns provides confirmation that the refrigeration system is leak free and dry.<input type="checkbox"/> Final unit inspection to confirm factory tubing has not shifted during shipment. Adjust tubing if necessary so tubes do not rub against each other or any component when unit runs.<input type="checkbox"/> Ductwork is sealed and insulated.<input type="checkbox"/> All drain lines are clear with joints properly sealed. Pour water into drain pan to confirm proper drainage.	<ul style="list-style-type: none"><input type="checkbox"/> Supply registers and return grilles are open, unobstructed, and air filter is installed.<input type="checkbox"/> Indoor blower and outdoor fan are operating smoothly and without obstruction.<input type="checkbox"/> Indoor blower motor set on correct speed setting to deliver required CFM.<input type="checkbox"/> Cover panels are in place and properly tightened.<input type="checkbox"/> For gas heating systems, manifold pressure has been checked and all gas line connections are tight and leak free.<input type="checkbox"/> For gas heating systems, flue gas is properly vented.<input type="checkbox"/> System functions safely and properly in all modes.<input type="checkbox"/> Owner has been instructed on use of system and given manual.
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This product may be covered by one or more of the following patents and their foreign equivalents: 5621888, 5901156, 6208263, 6353376, and 6448901. Other patents are pending. Made under license.

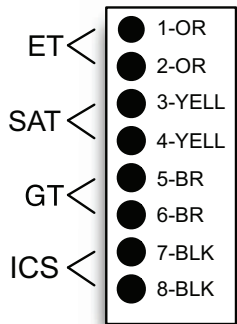
Troubleshooting

Sensor Check

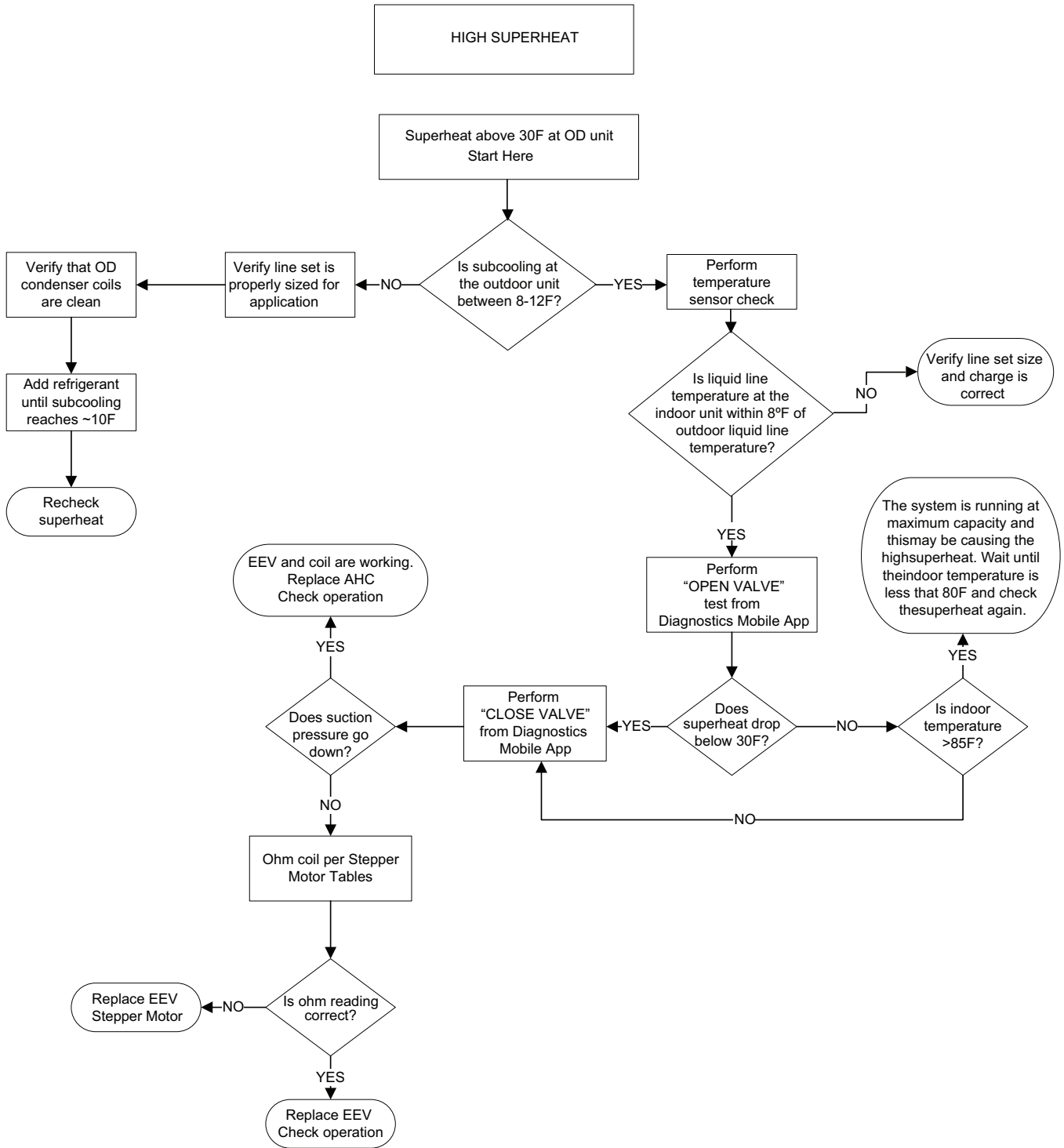
Perform these steps to verify sensor placement and operation



Connector J3

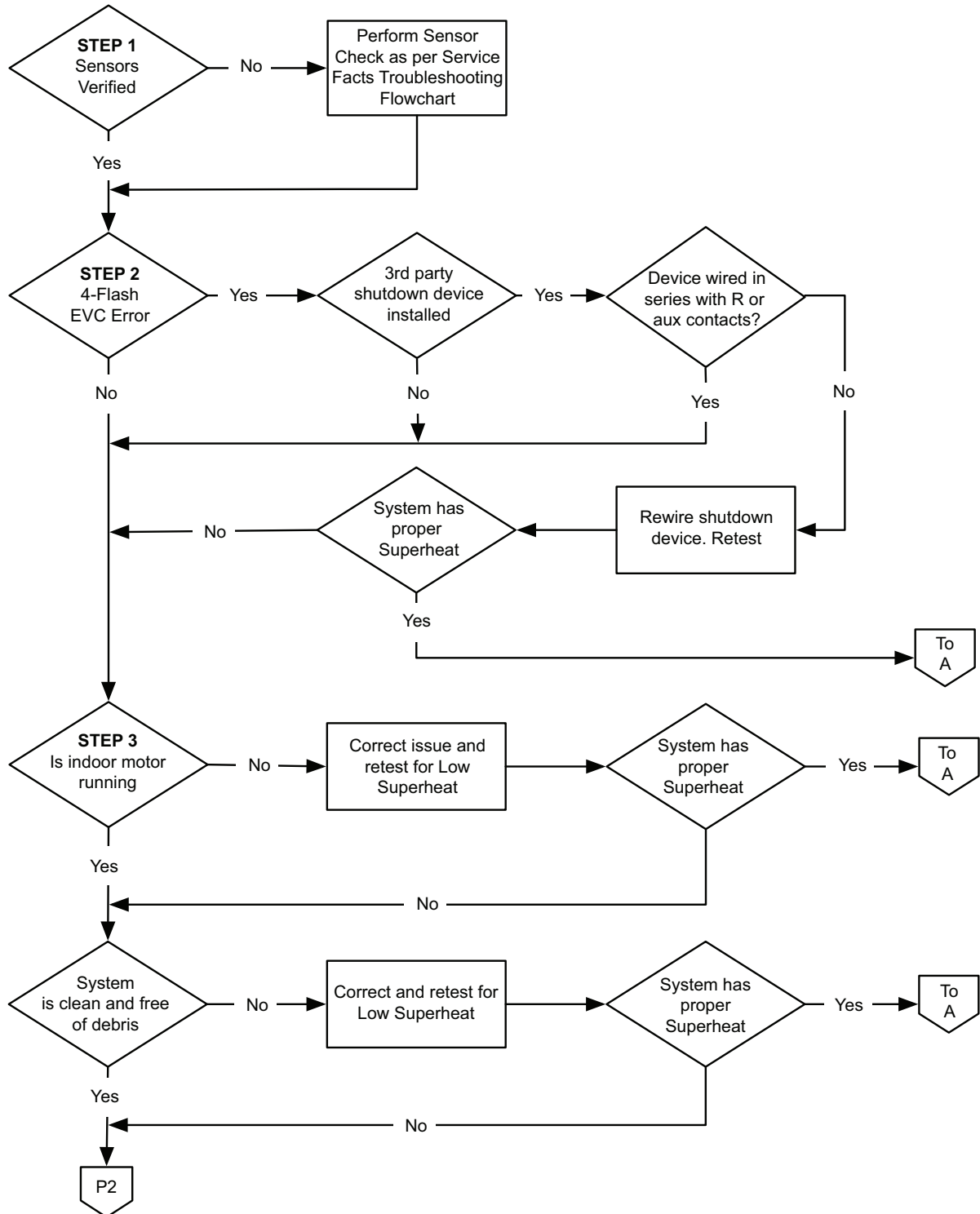


Troubleshooting

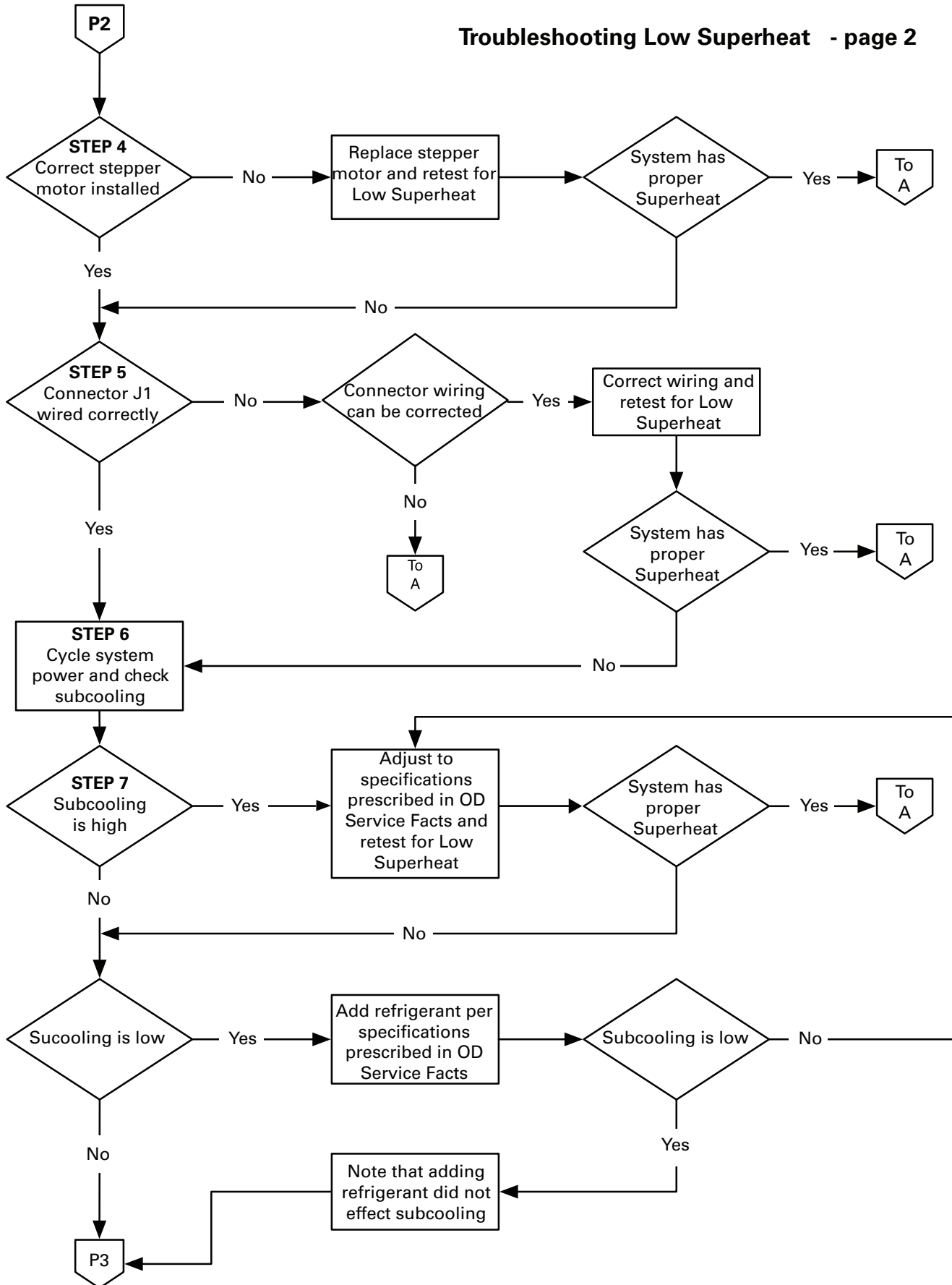


Troubleshooting Low Superheat

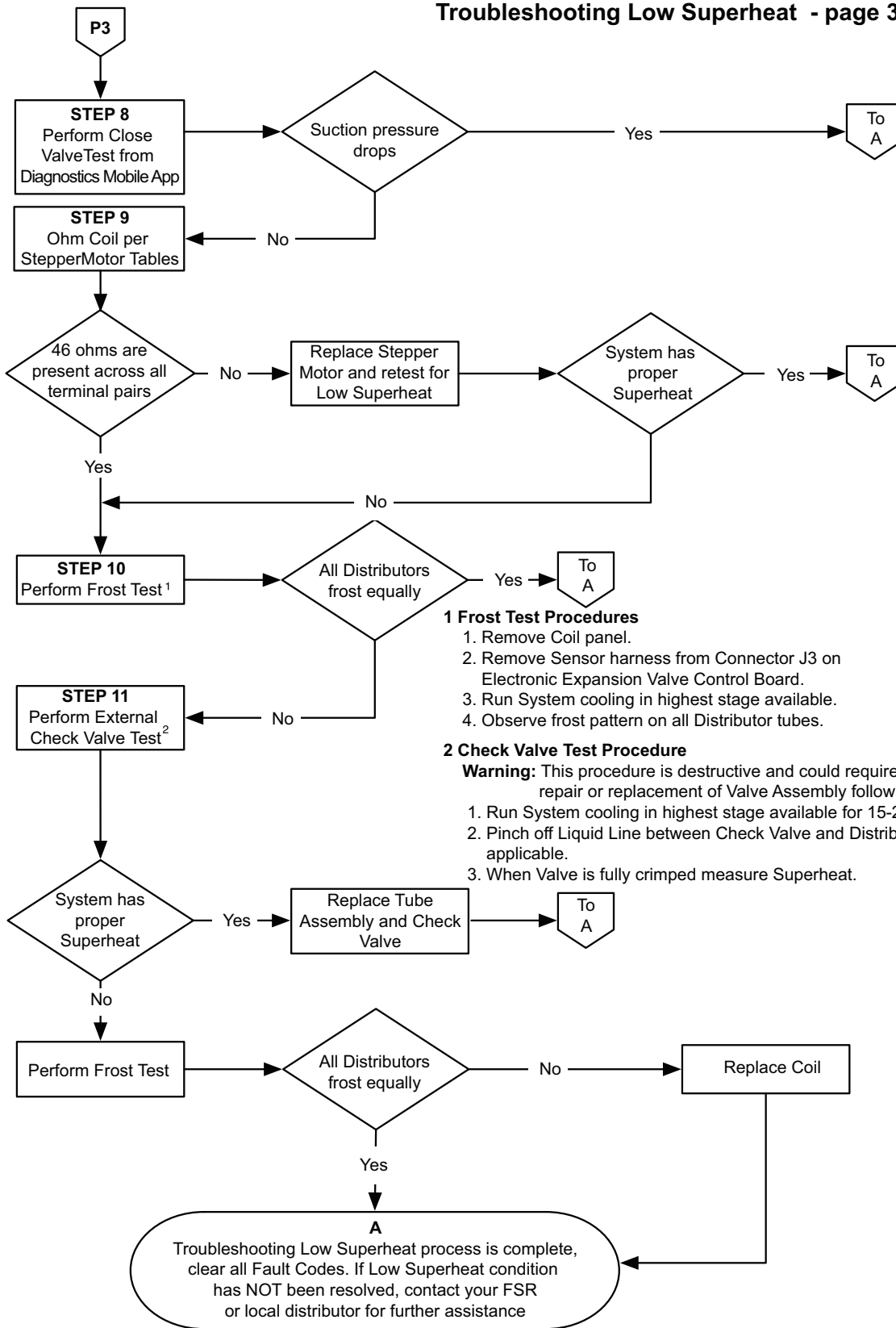
Perform these steps if Superheat is less than 3°F



Troubleshooting Low Superheat - page 2



Troubleshooting Low Superheat - page 3



1 Frost Test Procedures

1. Remove Coil panel.
2. Remove Sensor harness from Connector J3 on Electronic Expansion Valve Control Board.
3. Run System cooling in highest stage available.
4. Observe frost pattern on all Distributor tubes.

2 Check Valve Test Procedure

Warning: This procedure is destructive and could require repair or replacement of Valve Assembly following test.

1. Run System cooling in highest stage available for 15-20 minutes.
2. Pinch off Liquid Line between Check Valve and Distributor Assembly where applicable.
3. When Valve is fully crimped measure Superheat.

Notices

FCC Notice

Contains FCC ID: WAP3025

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

This equipment has been tested and found to comply with the limits for Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- *Reorient or relocate the receiving antenna*
- *Increase the separation between the equipment and receiver*
- *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected*
- *Consult the dealer or an experienced radio/TV technician for help*

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IC Notice

Contains IC ID: 7922A-3025

This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil de doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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