

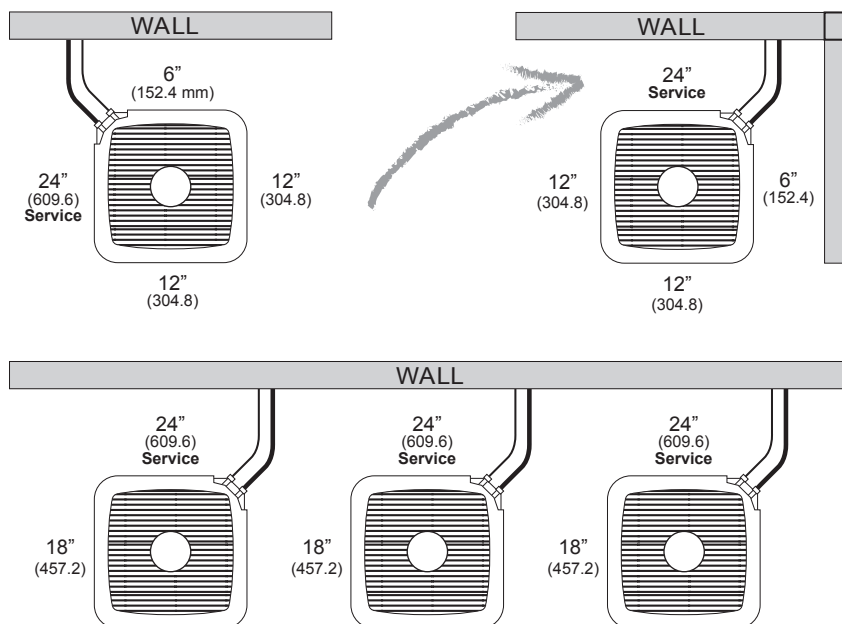
186CNV, 284ANV
Evolution™ Extreme Variable-Speed Air Conditioner
and Heat Pump with Puron® Refrigerant
2 to 5 Nominal Tons



Quick Start & Installation Guide

NOTE: A qualified installer or agency is required for proper installation. This guide is for reference only and it is not intended to replace the product Installation Instructions.

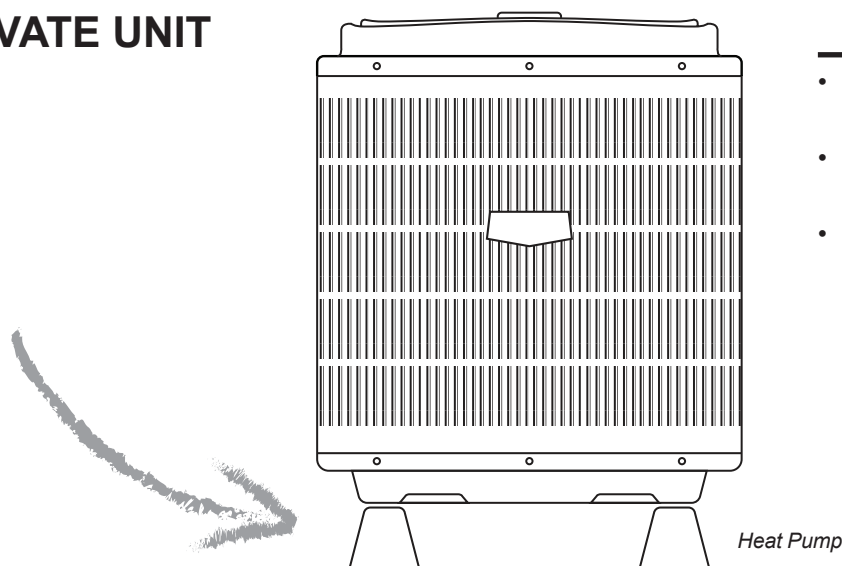
1 CLEARANCE REQUIREMENTS



Allow 24 in. (609.6 mm) clearance to service end of unit, and 48 in. (1219.2 mm) above unit.

Maintain a distance of 24 in. (609.6 mm) between units or 18 in. (457.2 mm) if no overhang within 12 ft. (3.66 m). Position so water, snow, or ice from roof or eaves cannot fall directly on unit.

2 ELEVATE UNIT



- Elevate unit per local climate and code requirements.
- Do not allow water and/or ice to build up in base pan.
- Applies primarily to Heat Pumps

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LINESET & TUBING DIAMETERS (inches)

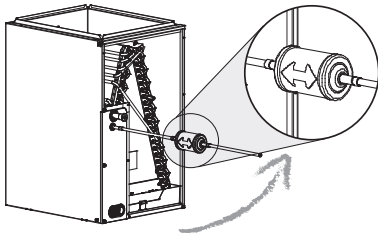
Unit Size	Liquid		Vapor*		
	Connection Diameter	Tube Diameter	Connection Diameter	Max (Rated) Diameter	Minimum Tube Diameter
24	3/8	3/8	3/4	3/4	5/8
36	3/8	3/8	7/8	7/8	5/8
48	3/8	3/8	7/8	1-1/8	3/4
60	3/8	3/8	7/8	1-1/8	3/4

* Units are rated with 25 ft. (7.6 m) of lineset. See Product Data sheet for performance data when using different size and length line sets.

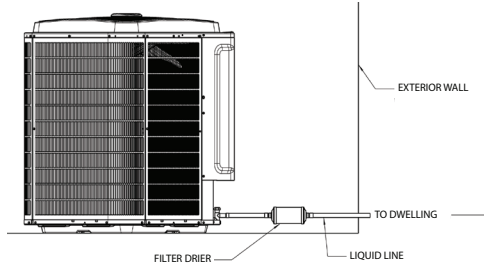
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INSTALL FILTER DRIER

Refer to Installation Instructions for brazing and connection details



Air Conditioner and Heat Pump
2 / 3 / 4 Ton applications

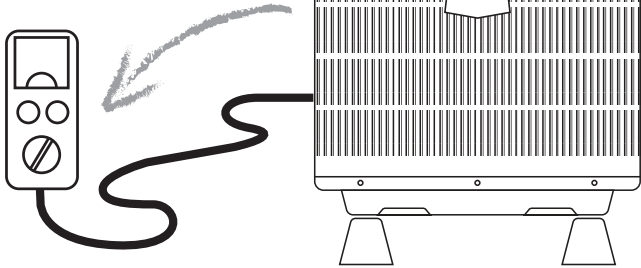


AC / HP
5 Ton applications

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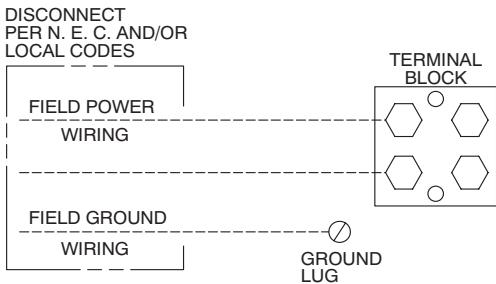
EVACUATE REFRIGERANT TUBING AND INDOOR COIL

Refrigerant tubes and indoor coil should be evacuated using the recommended deep vacuum method of 500 microns.



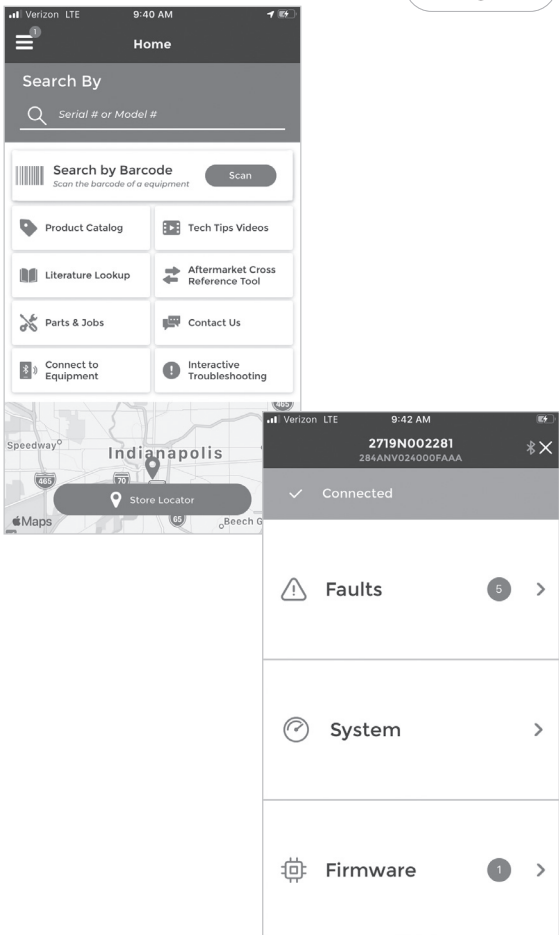
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ROUTE GROUND & POWER WIRES



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SERVICE TECH APP



Available from Google Play® or the App Store®, our greatly enhanced Bryant Service Technician app will guide you through processes such as troubleshooting, Bluetooth pairing and even over-the-air software updates. It provides access to outdoor unit parameters such as system pressure, voltage for the system, compressor RPM and temperature.

Bluetooth® Module

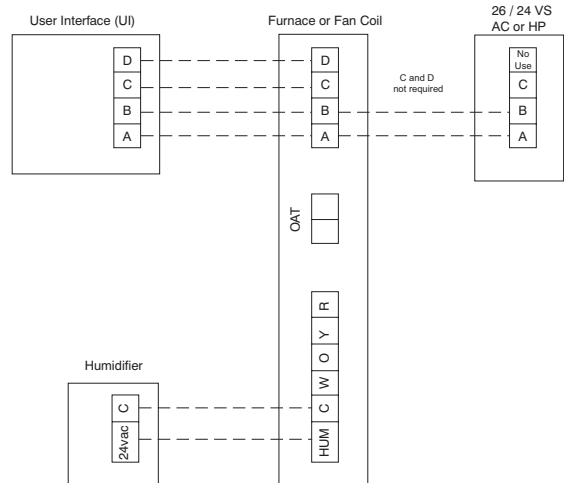
This unit is equipped with a module, which includes Bluetooth wireless technology that allows a user to connect via an application on a phone or tablet. It is recommended that the Bluetooth Module be activated with the mobile app during the installation process.

NOTE: In order to connect to equipment using Bluetooth, you must have Bluetooth enabled on your mobile device, and you must allow the Service Tech app to access Bluetooth and location services in your device permissions. For more information on how to enable these features and permissions, please consult the complete Installation Instructions.

Wall Control Software Version 3.0 or later is required for operation with this unit.

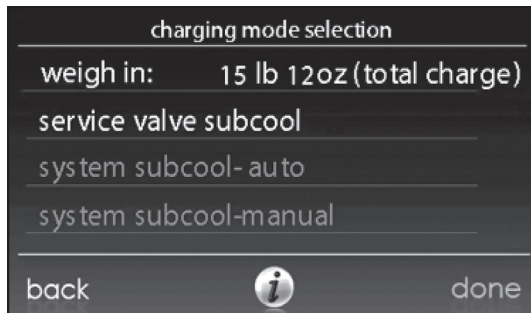
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WIRING DIAGRAMS EVOLUTION™ FURNACE OR FAN COIL WITH COMMUNICATING VARIABLE-SPEED AC OR HP



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SYSTEM CHARGING & START-UP



Refer to the Start-up section in the Installation Instructions and follow steps to properly start up the system.

Subcooling is the recommended method to verify and adjust charge.

Optimal charging conditions using the subcooling method are when the outdoor ambient temperature is between 65° F (18.33° C) and 105° F (40.6° C), and the indoor temperature is between 65° F and 80° F (26.7°C).

If these conditions are not met the charging by weight method must be used.

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FINAL CHECKS

IMPORTANT: BEFORE LEAVING JOB, BE SURE TO DO THE FOLLOWING:

1. Ensure that all wiring is routed away from tubing and sheet metal edges to prevent rub-through or wire pinching.
2. Ensure that all wiring and tubing is secure in unit before adding panels and covers. Securely fasten all panels and covers.
3. Tighten service valve stem caps to 1/12-turn past finger tight.
4. Leave Users Manual with owner. Explain system operation and periodic maintenance requirements outlined in manual.
5. Fill out Dealer Installation Checklist and place in customer file.
6. Remind the owner to connect the Wi-Fi®-enabled Evolution™ Connex™ Control to the on-premises router and confirm connection to the MyEvolution server. Assist in this process and verify connection if possible.
7. Remind the owner to create an online customer account at www.bryant.com/myhome so that the new HVAC system can be connected to the Bryant Connected Portal, and to select the dealership/contractor as the Servicing Dealer, enabling at least View Status and View Schedule/Configuration dealer permissions. Assist in this process and verify results if possible.



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