Lennox Mini-Split Systems Frequently Asked Questions (FAQs)

1. **What is a Lennox mini-split system?**
   The Lennox *single zone* mini-split system consists of one heat pump outdoor unit and one indoor unit (of various styles) that provides cooling or heating directly to the zone or via a short amount of duct. Mini-split systems also provide the option of a traditional air handler and duct distribution system if it is preferred.

   A Lennox *multi-zone* mini-split system consists of one heat pump outdoor unit and up to five indoor units (of various styles) that provide independent cooling or heating directly to the zones or via a short amount of duct. All zones are independently controlled.

   Mini-split systems have different capacity limitations and piping requirements than traditional split systems as well as multiple design options for multi-zone systems. It is important that contractors are trained specifically on the installation considerations of mini-split systems.

2. **How is a mini-split system different from a traditional split system?**
   A traditional split system consists of one heat pump or cooling-only outdoor unit and one indoor unit which supplies cooling or heating via ducts to the separate building zones. All zones share a common method of control.

   The Lennox mini-split system consists of one heat pump outdoor unit and one to five indoor unit(s) (of various styles) that provides cooling or heating directly to the zone(s) or via a short amount of duct. Mini-split systems also provide the option of a traditional air handler and duct distribution system if it is preferred.

3. **When do I install a mini-split system instead of a Mini VRF system?**
   a. When you need 4-tons of capacity or less
   b. When costs are an issue
   c. If there are short pipe runs and you do not need the VRF technology
   d. If only one indoor unit is required

4. **Is a Lennox mini-split system a VRF?**
   No, the Lennox mini-split system product line is a separate but complementary line of products that are often installed in applications that also have a VRF system installed. A mini-split system can also be a cost effective alternative to VRF.

5. **Is a Lennox mini-split system a traditional split system?**
   No, like the VRF systems, the mini-split systems are a separate but complementary line of products. Lennox traditional HVAC equipment, including split systems and package rooftop

units, can be paired with mini-split systems as needed to suit the application.

6. **Is a Lennox multi-zone mini-split system capable of heat recovery (simultaneous heating and cooling)?**
   No, the Lennox mini-split systems are heat pumps. A heat pump provides either heating or cooling at any given time but cannot provide simultaneous heating and cooling. All of the indoor units in a multi-zone mini-split system will operate in the same mode.

7. **Does the refrigerant in the mini-split system count toward ASHRAE 34 calculations?**
   Yes, all refrigerant within the building counts toward ASHRAE 34 calculations. Don't forget, compliance with AHRAE 34 is more than the HVAC systems, it depends on the building layout and other factors as well as the HVAC systems installed.

8. **Why would I use a mini-split system and a VRF system, traditional split system or package rooftop system together in the same application?**
   Anytime you want to isolate a small zone from the main HVAC system. Applications like telephone equipment rooms, small server rooms etc. where independent control is required all year round. Last minute changes on projects, additional offices, etc. Mini-split systems are an ideal solution for changes after the VRF piping or the traditional system or rooftop unit duct installation has commenced.

9. **Can I use the same indoor units on the mini-split system and the VRF system?**
   No. Several of the same **types** of indoor units are available for both the Lennox mini-split system and the Lennox VRF systems; ceiling cassette, compact ceiling cassette, medium static ducted, wall-mounted, and floor/ceiling convertible units. The individual indoor units are slightly different in their installation and operation, and are not the same indoor units used on the Lennox VRF systems; see the indoor unit installation manual or EHB for details.

10. **Can I use VRF controllers with mini-split system indoor units?**
    No, each system has its own controllers. VRF system controllers will not operate mini-split system indoor units. Each mini-split system indoor unit comes with a controller, either wireless or wired depending on indoor unit type. The mini-split system controllers are: model # M0STAT60Q-1 (wireless) and M0STAT61Q-1 (wired).

11. **Do the mini-split system indoor units come with a remote controller?**
    A. Yes, each mini-split system indoor unit comes with a controller. The ducted indoor units come with a wired controller; all other indoor unit types come with a wireless remote controller.

12. **Can I install more than one indoor unit with a mini-split system?**
    Yes, with a multi-zone system. The Lennox multi-zone mini-split system can have up to five indoor units. The Lennox single zone mini-split system is a one-to-one system with only one indoor unit per system.

13. **Can I control more than one mini-split system indoor unit with one wired remote control?**
    No. Each mini-split system wired controller can only control one indoor unit.

14. **Can I control more than one mini-split system indoor unit with one wireless remote control?**
    Yes. Each mini-split system wireless controller can control every mini-split system indoor unit, but only one indoor unit at a time; the wireless controller requires a direct line of sight to the indoor unit.

15. **What are the electrical wiring requirements?**
    Refer to the Product Specification (EHB) document for electrical data.

16. **Is there a float switch component? (This accessory required in Florida)**
    A field-installed third-party float switch should be used.

17. **What accessories are available for the mini-split systems?**
    Accessories can be found in the Product Specification (EHB) documents under the Optional Accessories section.

18. **Where are catalog numbers for the mini-split accessories?**
    Catalog numbers for the accessories are listed in the Product Specification (EHB) documents.

19. **Will the line sets and condensate pumps used by the MS8 product work with these units?**
    Yes.

20. **Where do I find Sound Ratings information?**
    Sound Pressure (dependent on environmental assumptions) and the sound criteria used are available in the Product Specifications (EHB).

21. **What is the outdoor clearance for a wall mounted condenser via a L-bracket?**
    Standard outdoor clearance is 12 inches. Note that minimum rear clearance is 6 inches when mounted on brackets with no obstacles on other three sides.

22. **Is there a programmable wired controller option?**
    Not at this time. We are in the process of evaluating a programmable wired control for the mini-splits.

23. **How does the system function at low outdoor ambient temperatures?**
    MPA mini-splits can operate down to -13F heating and 5F cooling.

24. **What is the maximum line set run?**
    213 ft. for single zone units and up to a maximum of 246 ft. combined total length for multi-zone units. For specific lengths on each option, reference the system installation manual or the Line Set and Elevation Parameters document.