



# Tech Tip

## February 2026

TRANE  
TECHNOLOGIES

## 5HPL6/5HPL9 Installation Best Practices

The following pages will go over important information to know when installing a new 5HPL6/5HPL9 which includes:

- *Air Handler and Condenser matchups*
- *Refrigerant Piping Sizes*
- *Refrigerant Charging Allowances*
- *Allowable Voltages*
- *Heater matchups*
- *Wiring of controls*
- *Wiring of condensate safety devices.*
- *Wiring of Condenser*
- *Observations from Technical Team*



Field Service Representative Contact

Trane® Technician

1-844-358-7263



Symbio® Service &  
Installation

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## Air Handler Matches

5TEM7



5HPL6

5TEM9



5HPL9

Interchangeable 

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## Lineset Sizing

### 5HPL6024/36

- 5/8" Vapor
- 1/4" Liquid

### 5HPL6048

- 5/8" Vapor
- 3/8" Liquid

### 5HPL6060

- 3/4" Vapor
- 3/8" Liquid

### 5HPL9024/36/48

- 5/8" Vapor
- 3/8" Liquid

### 5HPL9060

- 3/4" Vapor
- 3/8" Liquid

Vapor AND Liquid lines need to be insulated to avoid condensation issues.

**NO ALTERNATE LINESET SIZES AVAILABLE**

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## Refrigerant Charging

### 5HPL6024/36

- Charge ships with 25' of lineset
- **1.08oz each 5 feet after**
- Max length/lift is 100'/100'

### 5HPL6048/60

- Charge ships with 100' of lineset
- **6oz per every 10 feet after**
- Max length/lift is 245'/100'

### 5HPL9024

- Charge ships with 100' of lineset
- **6oz per every 10 feet after**
- Max length/lift is 165'/100'

### 5HPL9036

- Charge ships with 100' of lineset
- **6oz per every 10 feet after**
- Max length/lift is 165'/100'

### 5HPL9048/60

- Charge ships with 100' of lineset
- **6oz per every 10 feet after**
- Max length/lift is 245'/100'

Equipment might make noise if lineset is shorter than 16'  
due to refrigerant flow

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Voltage Requirements

188-253 VAC

**Highly recommended** to add a Single-Phase Voltage Monitor to the condenser as a protection for electrically sensitive control boards

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### Heaters

Model code	EH03/05-SVZ-S	EH08-SVZ-S	EH05/08/10-SVZ-M	EH10/15/17-MPA-L(B)	EH19-MPA-L(B)
5TEM7B02AC21SA	★	★			
5TEM7C04AC31SA			★		
5TEM7D06AC31SA				★	
5TEM7D07AC41SA				★	★

Model code	EH03/05/08/10-MPA-M(B)	EH10-MPA-L(B)	EH15-MPAS-L(B)	EH17-MPAS-L(B)	EH19-MPAS-L(B)
5TEM9C02AC21SA	★				
5TEM9D04AC31SA		★	★		
5TEM9D06AC31SA		★	★	★	
5TEM9D07AC41SA			★	★	★

If desired auxiliary heater does not have a star in the Air Handler row, it will not fit in that piece of equipment.

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### Controller

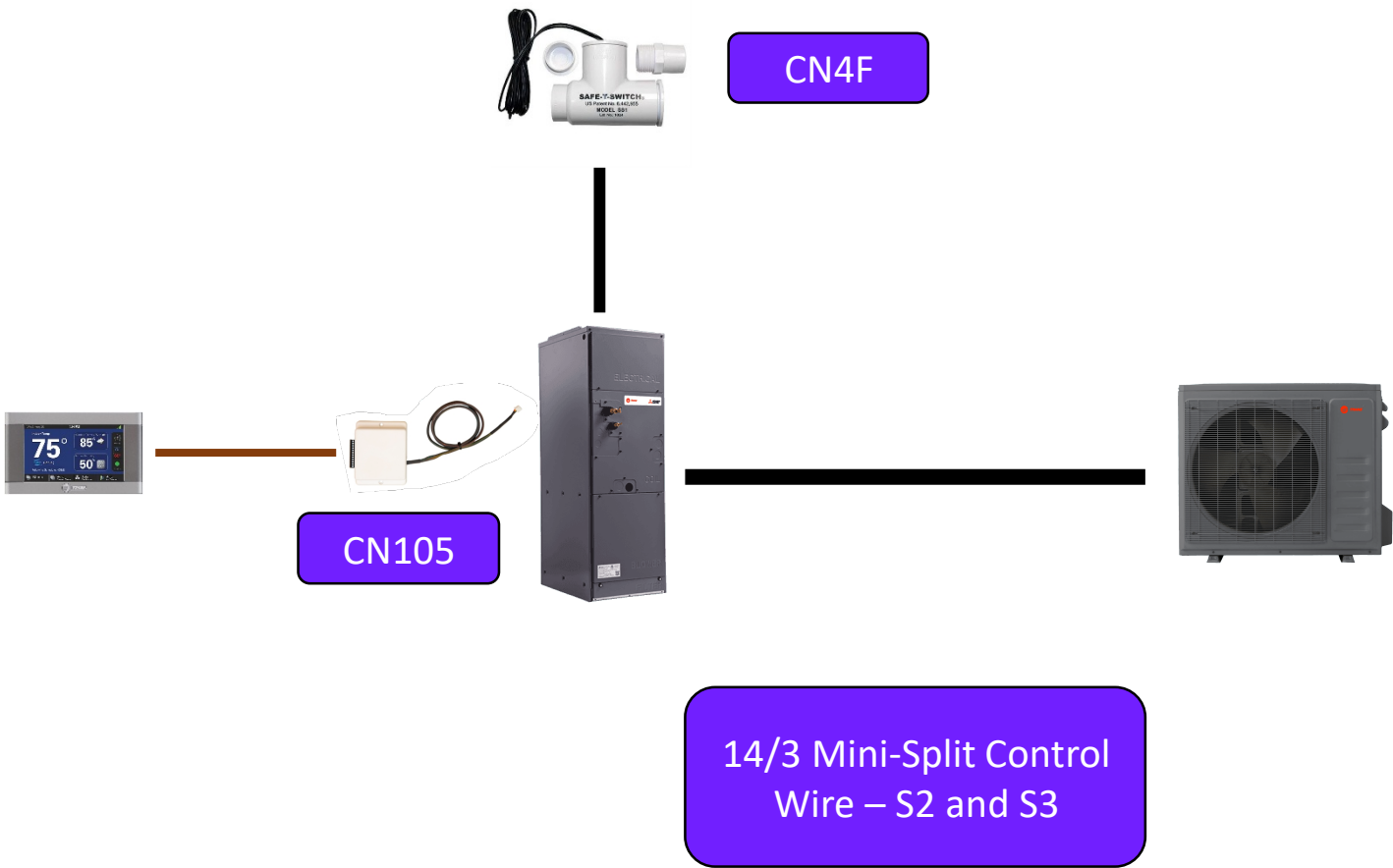


- Any 24v Thermostat will work with equipment by utilizing the **PAC-US446** (*included in Air Handler Document Pack*).
- **Only approved control for use with this equipment**

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Wiring Requirements



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## Key Takeaways and Observations

### Air Handler:

- Ships with washable filter at air handler, discard if filtering in house.
- **Leak Detection Sensor is one-and-done, if it detects refrigerant, it must be replaced.**

### Condenser:

- **No Filter Driers needed if Best Practices are followed:**
  - If brazing at any point, braze with 2-3psi of nitrogen flowing to prevent cupric oxide buildup.
  - Flare nut “expander” to connect piping at air handler ships attached to the condenser.
  - ***If UNDER the lineset length the equipment ships with, no adjustment to refrigerant is needed.***

### Controls:

- SW1-1 can be turned ON to disable “Thermal Fan” setting on PAC-US446
- SW2-6 can be turned OFF to allow variable capacity for efficiency on PAC-US446