

Job: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Schedule No.: \_\_\_\_\_  
 System Designation: \_\_\_\_\_

Engineer: \_\_\_\_\_  
 Architect: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Date: \_\_\_\_\_

**AHU Control Kit**

For:	Reference	Approval	Review	Construction
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**FEATURES**

- Connect and control third-party furnaces, coils, and air handlers with Lennox VPB Mini-VRF, VPB Heat Pump or VRB Heat Recovery units
- Simple installation with 2 piping and 2 wiring connections
- Internal dry contacts for controlling third-party furnace, coil or air handler
- Temperature sensors to fix to third-party coil included

**WARRANTY**

- 10-year limited warranty.\*See warranty for details.

**SPECIFICATIONS**

PERFORMANCE	
Design Capacity Range (Btu/h)	24,100 - 48,450
Capacity Setting (Ton)	2-1/2, 3, 4
Operating Range	-13 - 130°F

ELECTRICAL DATA	
Power Supply	90 ~ 250V-1Ph-60 Hz
Min Circuit Ampacity	0.5 A
Max Fuse OR HACR Breaker	1 A

DIMENSIONS		
Unit Dimensions (in)	Height	14-3/4
	Width	17-7/8
	Depth	6

PIPING CONNECTIONS		
Piping Connections to Kit (in)	Liquid	3/8
Total Pipe Length (ft)		3280
Kit to IDU (ft)		16
Vertical Separation	ODU Above	360
	ODU Below	230

WIRING	
ODU to AHU Kit	18 GA, 2-wire conductor cable (stranded and shielded)
AHU Kit to Third-Party Furnace or Air Handler	18 GA, 4-wire conductor cable (stranded and shielded)
AHU Kit to Local Wall-Mounted Controller	18 GA, 4-wire conductor cable (stranded and shielded)



**REQUIRED COMPONENTS (SOLD SEPARATELY)**

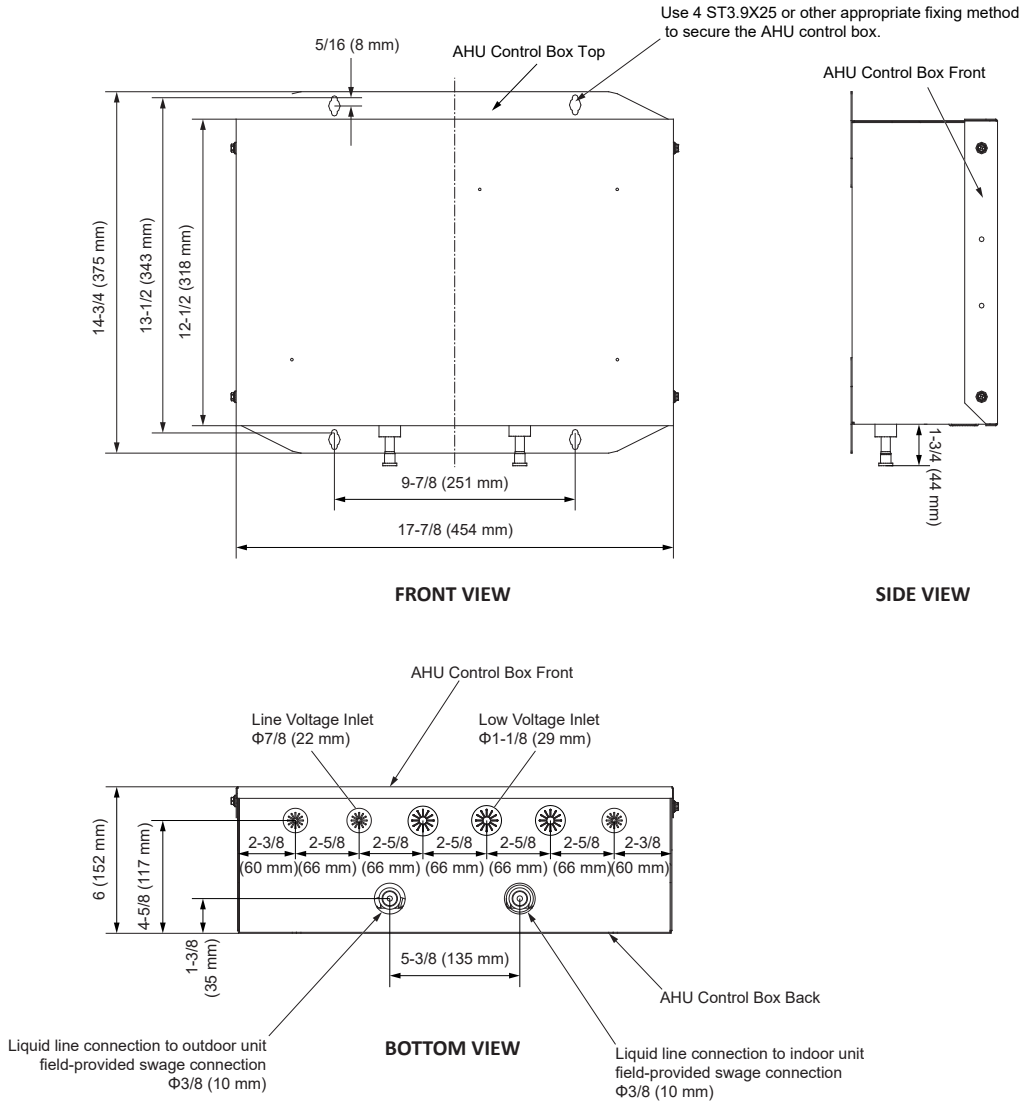
- Lennox VPB Mini-VRF, VPB Heat Pump or VRB Heat Recovery unit
- V0CTRL51P-3 or V0CTRL54P-3 Lennox VRF Controller

**NOTES**

All designs with AHU Control Kit must be approved by Lennox VRF Operations team.

NOTE – Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

**DIMENSIONS - INCHES**



**AIR HANDLER UNIT SPECIFICATIONS**

AHU Control Kit Model	Capacity Kbtu/h	Air Handler Unit Air Flow Rate (CFM)	Air Handler Unit Coil Volume (in <sup>3</sup> )		
			Min.	Rec.	Max.
V8AHUK048-3P	30	881	141	166	190
	36	1175	188	221	254
	48	1310	209	246	283

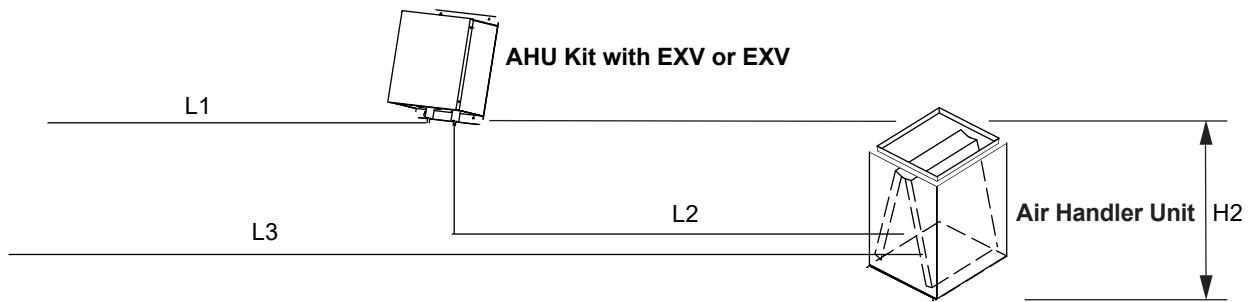
**NOTE - Air flow rate cannot exceed 400 CFM/Ton.**

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**PIPING**

**NOTE - See Refrigerant Pipe Selection Table to size Pipes**

Description	Designation
Liquid Pipe	L1, L2
Vapor Pipe	L3



Piping Length			Permitted value	Piping
Piping Length	Maximum piping length	AHU Control Kit to indoor unit coil	16 ft. (5 m)	L2
Level Difference	Maximum level difference	AHU Control Kit to indoor unit coil	+/- 16 ft. (5 m)	H2

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