

Job: _____
 Location: _____
 Schedule No.: _____
 System Designation: _____

Engineer: _____
 Architect: _____
 Location: _____
 Date: _____

AHU Control Kit

For: Reference Approval Review Construction

FEATURES

- Connect and control third-party furnaces, coils, and air handlers with Lennox 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)	48,150 - 96,800
Capacity Setting (Ton)	4-1/8, 5, 6, 8
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)

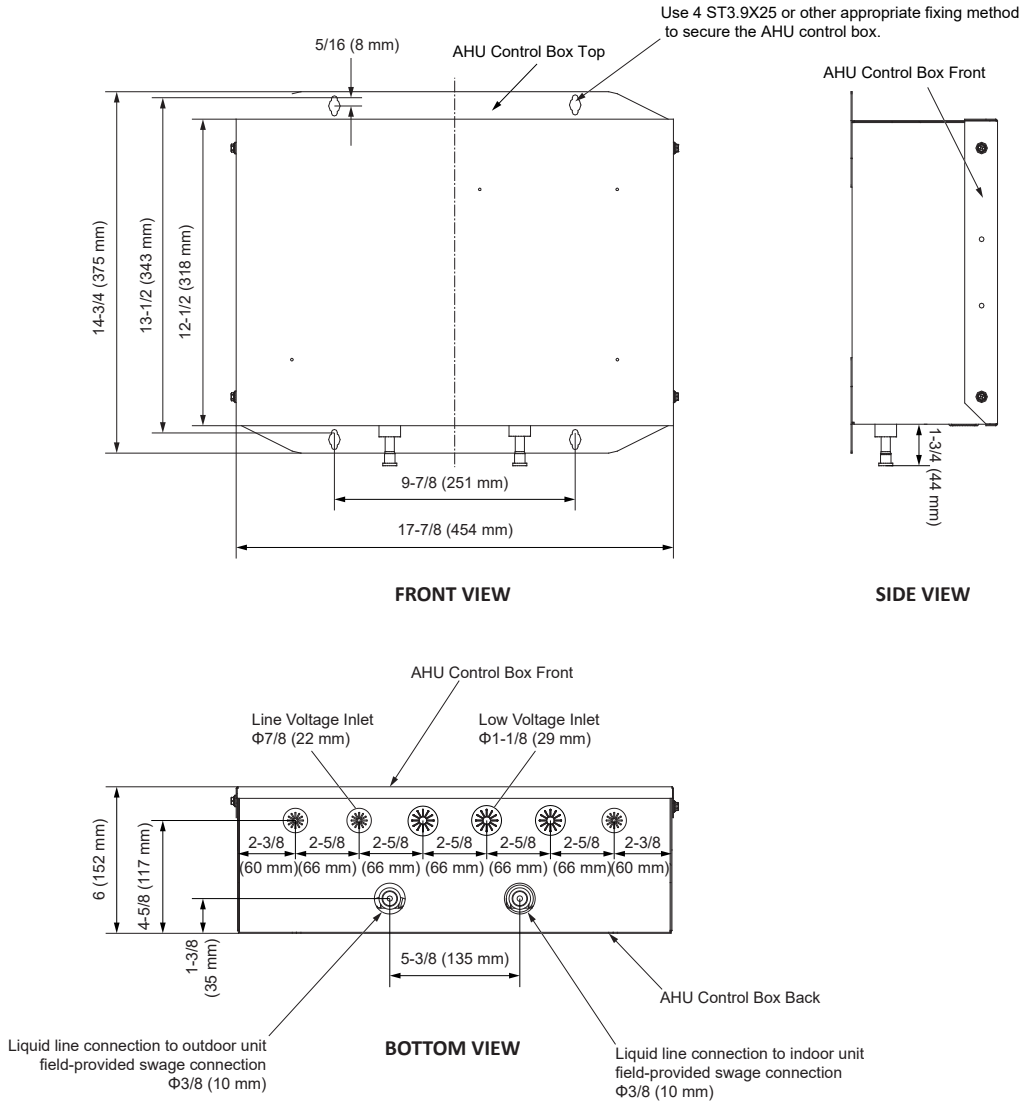
- Lennox VPB Heat Pump or VRB Heat Recovery unit
- V0CTRL51P-3 or V0CTRL54P-3 Lennox VRF Controller

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 ³)		
			Min.	Rec.	Max.
V8AHUK096-3P	54	1469	234	276	317
	60	1763	281	331	381
	72	2350	375	441	508
	96	2633	420	495	569

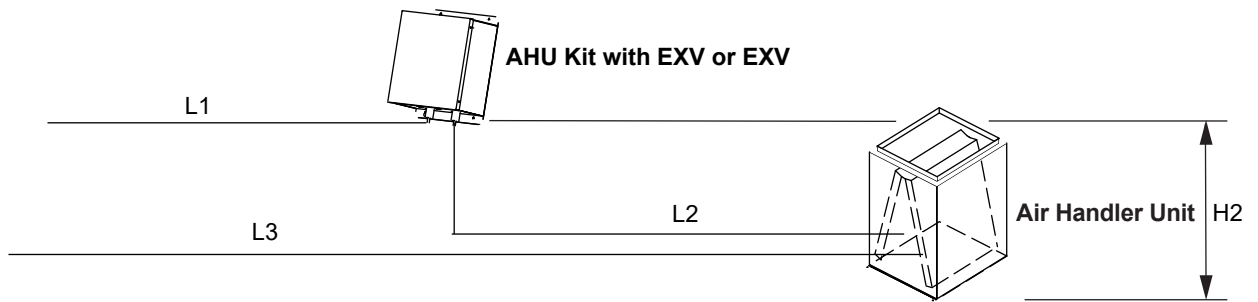
NOTE - Air flow rate cannot exceed 400 CFM/Ton.

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.

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