

Quality People. Building Solutions.

Comfort Systems USA (Arkansas), Inc. P.O. Box 16620 Little Rock, AR 72231 Phone 501-834-3320 Fax 501-834-5416

Date: 2/4/2025 Return Request: 2/14/2025 Project: City Of Sherwood Public Works (Administration Building) Supplier: Harrison Energy Partners Manufacturer: Lennox Submittal: Packaged Rooftop Units (PAHU-1,2) Submittal Number: 23 62 13-01 Drawing # and Installation: Mechanical Drawings

ARCHITECT

Cromwell 1300 East 6th Street Little Rock, AR 72202 501-372-2900

GENERAL CONTRACTOR

Baldwin & Shell 1000 W. Capitol Ave. Little Rock, AR 72201 501-374-8677

Notes:

ENGINEER

Cromwell 1300 East 6th Street Little Rock, AR 72202 501-372-2900

MECHANICAL SUBCONTRACTOR

Comfort Systems USA (Arkansas), Inc. 9924 Landers Rd. N. Little Rock, AR 72117 501-834-3320

CSUSA PROJECT NO. 24-6084 sean@comfortar.com

> 9924 Landers Rd. No. Little Rock, AR 72117

Submittal



Prepared For: Cromwell Architects Engineers **Date:** 12/10/2024

Sold To: Comfort Systems USA Job Name: Sherwood Public Works

Harrison Energy Partners is pleased to provide the enclosed submittal for your review and approval.

Qty. Product Summary

3 Rooftop Package Units (PAHU-1,2 & PAHU-1)

Admin Bldg.

Josh Robinson, New Systems Sales	The attached information describes the equipment we
501-539-0633 • harrisonenergy.com	propose to furnish for this project and is submitted for your approval.
Harrison Energy Partners • Commercial HVAC Excellence	your approvar.
1501 Westpark Dr., Ste. 9 • Little Rock, AR 72204	

Lennox Rooftop Package Units (PAHU-1,2 (Admin Bldg) & PAHU-1 (Maint Bldg))

- Packaged Gas/Electric
- Downflow Configuration
- Downflow to Horizontal Transition Curb
- 4 Ton Nominal Capacity (PAHU-1 Admin)
- 6 Ton Nominal Capacity (PAHU-2 Admin)
- 17.5 Ton Nominal Capacity (PAHU-1 Maint)
- 208-230/3 V/Ph
- Hot Gas Reheat
- High Performance Economizer
- Single Enthalpy Control (PAHU-1 Maint)
- Barometric Relief
- 108 MBH 2-Stage Gas Heat (PAHU-1,2 Admin)
- 360 MBH 2-Stage Gas Heat (PAHU-1 Maint)
- 2" MERV 4 Filters
- Disconnect Switch (Factory Installed)
- Supply & Return Smoke Detector (Factory Installed; PAHU-1 Maint)
- BACnet MS/TP

NOTE: Curbs to be provided in separate submittal.



Project Name: Sherwood Public Works Project Number: 756014 Project Altitude: 500 Project Location: , Arkansas US Date: 12/20/2024 Quote: 519225 Roof Top Units: 3 Split Systems: 0

Customer: Harrison Energy Partners **Engineer:** Cromwell Engineers

Table of Contents

Тад	Qty	Model	Description
PAHU-1 Admin	1	LGT048H5E	LGT048H5E-Y 4T
PAHU-2 Admin	1	LGT072H5E	LGT072H5E-Y 6T
PAHU-1 Maintenance	1	LGT210H5M	LGT210H5M-Y 17.5T

Revit® Building Information Modeling (BIM) - Click here

AutoCAD® Templates - Click here



					15E-Y 4T						
odel:		LG	10401131	- LG1040F							
	ERVIEW										
	SEER2 EER2	MCA/MOCP	Ttl	Cooling /Sens	Ttl	Cooling /Sens	Supply Air Flow	ESP/TSP			LAT DB/WI
Voltage	17.3	(amp)	(N	1BH)	(N	/IBH)	(cfm)	(in.WC)	(°F)		(°F)
208V 3Ph 60Hz	13	23 / 30	48.3	3 / 28.8	47.2	2 / 27.7	1,250	0.50 / 0.60) 77.9 / 6	7.1	55.7 / 54
COOLING											
Cooling Performance							Te	nperatures (D			
Net Cooling Coil Moistur	ross Cooling (Ttl/Sens) 48.3 / 28.8 MBH et Cooling (Ttl/Sens) 47.2 / 27.7 MBH bil Moisture Removal 18.37 lb/hr rstem Moisture Removal 18.37 lb/hr					Ambient Entering Total Leavin Total Leavin			95.0 77.9 55.7 56.6	!	67.1 54.1 54.4
	ARI Perfo				npressors		•	frigerant			sate Drair
ARI Cooling ARI Power		50.1 / 49.0 MBH 3,800 W	Com	ing Stages pressor Qty pressor RLA	iipressors	2.0 1 10.2 amp	Type Charge	R-454B 5 LBS. 4 OZ.	Qty Size	Threa	1 1
HUMIDIT	ROL - H	OT GAS REHE	AT								
Gross Coolin		itrol Dehumidific	ation Perfo 11.7 / 11.7			Ambient	Te	nperatures (D	B/WB °F) 95.0		
			lb/hr	IVIDH		Entering			95.0 80.0	67	7.0
	Noisture Removal - Stage 1 lb/hr						g – (Stage 1)	80.0 71.0			4.1
Dutput (High 1put (High/	Hea h/Low) Low)	ting Performance 87.0 / 66. 108.0 / 8 63.7 °F	0 MBH	Tc	Te otal Leaving	mperatures (l	DB/WB °F) 63.7	Heat : Thern	Specific Stages nal Efficiency N ine Size		
Dutput (Higł nput (High/ Gas Heat Ris	Hea h/Low) Low) se	87.0 / 66. 108.0 / 8	0 MBH	Tc				Heat Therm Gas L	Stages nal Efficiency N		<mark>s</mark> 2 81.0%
Dutput (Higł nput (High/ Gas Heat Ris	Hea h/Low) Low) ;e	87.0 / 66. 108.0 / 8 63.7 °F	0 MBH	Tc	otal Leaving	mperatures (l		Heat Therm Gas L	Stages nal Efficiency N ine Size ressure	OX	<mark>s</mark> 2 81.0% 0.5 in. 7 in.WC
Output (High nput (High/ Gas Heat Ris /ENTILA Supply	Hea h/Low) Low) ;e	87.0 / 66. 108.0 / 8 63.7 °F ow (cfm) 1,250	0 MBH	Nominal Por	otal Leaving <u>Sι</u> wer	mperatures () upply Fan 1.50 hp		Heat Therm Gas L	Stages nal Efficiency N ine Size	OX	s 2 81.0% 0.5 in. 7 in.WC VC) 0.60
Dutput (High nput (High/ Gas Heat Ris /ENTILA	Hea h/Low) Low) ;e	87.0 / 66. 108.0 / 8 63.7 °F ow (cfm)	0 MBH		Stal Leaving	mperatures (1 1991y Fan 1.50 hp 0.35 hp		Heat 1 Them Gas L Gas P	Stages nal Efficiency N ine Size ressure Air Resistance	OX	s 2 81.0% 0.5 in. 7 in.WC
Dutput (High nput (High/ Gas Heat Ris /ENTILA Gupply Dutdoor	Hea h/Low) Low) re HON Air Fl	87.0 / 66. 108.0 / 8 63.7 °F ow (cfm) 1,250 200	0 MBH 1.0 MBH	Nominal Po Required Po Drive Type Required W	Stal Leaving Star Surver Swer Satts	Ipply Fan 1.50 hp 0.35 hp MSAV Di	63.7	Heat 1 Therm Gas L Gas P	Stages nal Efficiency N ine Size ressure Air Resistance	OX	s 2 81.0% 0.5 in. 7 in.WC VC) 0.60
Dutput (High nput (High/ Gas Heat Ris /ENTILA Supply Dutdoor AIR RESIS Wet Co	Hea h/Low) Low) ie TION Air Fl Air Fl	87.0 / 66. 108.0 / 8 63.7 °F 0w (cfm) 1,250 200 - OPTIONS/A Humiditrol	0 MBH 1.0 MBH CCESSOR	Nominal Po Required Po Drive Type Required W RES (in.WC eat	Stal Leaving Star Star Swer atts Economiz	upply Fan 1.50 hp 0.35 hp MSAV Di 258 W	63.7	Heat 1 Therm Gas L Gas P	Stages nal Efficiency N ine Size ressure Air Resistance	OX	s 2 81.0% 0.5 in. 7 in.WC VC) 0.60
Dutput (High nput (High/ Gas Heat Ris /ENITILA Supply Dutdoor	Hea h/Low) Low) ie TION Air Fl Air Fl	87.0 / 66. 108.0 / 8 63.7 °F 0w (cfm) 1,250 200	0 MBH 1.0 MBH CCESSOR	Nominal Po Required Po Drive Type Required W	Summer Summer Satts	upply Fan 1.50 hp 0.35 hp MSAV Di 258 W	63.7 rect Drive	Total Ext Supply	Stages nal Efficiency N ine Size ressure Air Resistance	OX	s 2 81.0% 0.5 in. 7 in.WC VC) 0.60 0.50
Output (High nput (High/ Gas Heat Ris VENTILA Supply Outdoor AIR RESIS Wet Co 0.04	Hea h/Low) Low) se TION Air Fl Air Fl STANCE	87.0 / 66. 108.0 / 8 63.7 °F 0w (cfm) 1,250 200 - OPTIONS/A Humiditrol	0 MBH 1.0 MBH CCESSOR	Nominal Po Required Po Drive Type Required W RES (in.WC eat	Stal Leaving Star Star Swer atts Economiz	upply Fan 1.50 hp 0.35 hp MSAV Di 258 W	63.7 rect Drive	Total Ext Supply	Stages nal Efficiency N ine Size ressure Air Resistance	OX	s 2 81.0% 0.5 in. 7 in.WC VC) 0.60 0.50
Dutput (High nput (High/ Gas Heat Ris /ENTILA Supply Dutdoor AIR RESIS Wet Co 0.04 ELECTRIC Voltage	Hea h/Low) Low) se TION Air Fl Air Fl STANCE	87.0 / 66. 108.0 / 8 63.7 °F 0w (cfm) 1,250 200 - OPTIONS/A Humiditrol 0.00 20	0 MBH 1.0 MBH CCESSOR Hi 0. 8V 3Ph / 60	Nominal Por Required Po Drive Type Required Wa RIES (in.WC eat 02	Stal Leaving Star Star Swer atts Economiz	Ipply Fan 1.50 hp 0.35 hp MSAV Di 258 W Implementations 258 W	63.7 rect Drive	Heat : Thern Gas L Gas P Total Ext Supply Diffuser	Stages nal Efficiency N ine Size ressure Air Resistance / Exhaust	OX	s 2 81.0% 0.5 in. 7 in.WC VC) 0.60 0.50
Dutput (High nput (High/ Gas Heat Ris /FNITLA Supply Dutdoor AIR RESIS Wet Co 0.04	Hea h/Low) Low) se TION Air Fl Air Fl STANCE	87.0 / 66. 108.0 / 8 63.7 °F 0w (cfm) 1,250 200 - OPTIONS/A Humiditrol 0.00 20 20 20 20 20 20 20 20 20	0 MBH 1.0 MBH CCESSOR Ha 0.	Nominal Por Required Po Drive Type Required Wa RIES (in.WC eat 02	Stal Leaving Star Star Swer atts Economiz	Ipply Fan 1.50 hp 0.35 hp MSAV Di 258 W Implementation MSAV Di 258 W Implementation Compressor Compressor Condenser I	63.7 rect Drive	Total Ext Supply	Stages nal Efficiency N ine Size ressure Air Resistance , Exhaust	OX	s 2 81.0% 0.5 in. 7 in.WC VC) 0.60 0.50
Dutput (High nput (High/ Gas Heat Ris TENTILA Supply Dutdoor AIR RESIS Wet Co 0.04 EFCT RIC /oltage MCA MOCP	Hea h/Low) Low) se FION Air FI STANCE - oil	87.0 / 66. 108.0 / 8 63.7 °F 0w (cfm) 1,250 200 - OPTIONS/A Humiditrol 0.00 20 23 30	0 MBH 1.0 MBH CCESSOR H 0. 8V 3Ph / 60 amp	Nominal Por Required Po Drive Type Required Wa RIES (in.WC eat 02	Stal Leaving Star Star Swer atts Economiz	Ipply Fan 1.50 hp 0.35 hp MSAV Di 258 W Implementations 258 W	63.7 rect Drive	Heat : Thern Gas L Gas P Total Ext Supply Diffuser	Stages hal Efficiency N ine Size ressure Air Resistance / Exhaust	OX	s 2 81.0% 0.5 in. 7 in.WC VC) 0.60 0.50
Output (High Input (High/ Gas Heat Ris VENTILA Supply Outdoor AIR RESIS Wet Co 0.04 ELECTRIC Voltage MCA MCA MCP Oper Range-	Hea h/Low) Low) ie FION Air FI STANCE - oil	87.0 / 66. 108.0 / 8 63.7 °F 0w (cfm) 1,250 200 - OPTIONS/A Humiditrol 0.00 20 23 30 +/	0 MBH 1.0 MBH CCESSOR Ho 0. 8V 3Ph / 60 amp amp - 10%	Nominal Por Required Po Drive Type Required Wa RIES (in.WC eat 02	Stal Leaving Star Star Swer atts Economiz	Ipply Fan 1.50 hp 0.35 hp MSAV Di 258 W Implementation (Compressor Condenser I Supply Fan Cooling FLA	63.7 rect Drive	Diffuser 10.2 ar 2.8 am 4.4 am 17.4 ar	Stages hal Efficiency N ine Size ressure Air Resistance / Exhaust	OX	s 2 81.0% 0.5 in. 7 in.WC VC) 0.60 0.50
Wet Co 0.04 ELECTRIC Voltage MCA MOCP Oper Range ADDITIO Cabinet	Hea h/Low) Low) se FION Air FI STANCE oil Dil AL -Nom Volt	87.0 / 66. 108.0 / 8: 63.7 °F ow (cfm) 1,250 200 - OPTIONS/A Humiditrol 0.00 20 23 30 +/ A .25 in. x 47.00 in. x	0 MBH 1.0 MBH CCESSOR Ho 0. 8V 3Ph / 60 amp amp - 10%	Nominal Por Required Po Drive Type Required Wa RIES (in.WC eat 02	Stal Leaving Star Star Swer atts Economiz	Ipply Fan 1.50 hp 0.35 hp MSAV Di 258 W Implementation (Compressor Condenser I Supply Fan Cooling FLA Total Weigh	63.7 rect Drive ilters RLA FLA FLA Total it	Diffuser 10.2 ar 2.8 am 4.4 am 17.4 ar 779 lb	Stages hal Efficiency N ine Size ressure Air Resistance / Exhaust	OX	s 2 81.0% 0.5 in. 7 in.WC VC) 0.60 0.50
Output (High Input (High/ Gas Heat Ris VENTILA Supply Outdoor AIR RESIS Wet Co 0.04 ELECTRIC Woltage MCA MOCP Oper Range- ADDITIO Cabinet Downflow Su	Hea h/Low) Low) TION Air Fl Air Fl STANCE oil AL -Nom Volt NAL DAJ 85 upply 20	87.0 / 66. 108.0 / 8: 63.7 °F 0w (cfm) 1,250 200 - OPTIONS/A Humiditrol 0.00 20 23 30 +/ .25 in. x 47.00 in. x .0 in. x 18.0 in.	0 MBH 1.0 MBH CCESSOR Ho 0. 8V 3Ph / 60 amp amp - 10%	Nominal Por Required Po Drive Type Required Wa RIES (in.WC eat 02	Stal Leaving Star Star Swer atts Economiz	mperatures (I upply Fan 1.50 hp 0.35 hp MSAV Di 258 W ter Fi Compressor Condenser I Supply Fan Cooling FLA Total Weigh Base Unit No	63.7 rect Drive ilters iRLA FLA FLA FLA t Total it et Weight	Biffuser 10.2 ar 2.8 am 4.4 am 17.4 ar 779 lb 629 lb	Stages hal Efficiency N ine Size ressure Air Resistance / Exhaust	OX	s 2 81.0% 0.5 in. 7 in.WC VC) 0.60 0.50
Output (High Input (High/ Gas Heat Ris VENTILA Supply Outdoor AIR RESIS Wet Co 0.04 ELECT RIC Voltage MCA MOCP Oper Range- Cabinet	Hear h/Low) Low) TION Air Fl Air Fl STANCE oil AL -Nom Volt NAL DAN 85 upply 20 eturn 29	87.0 / 66. 108.0 / 8: 63.7 °F ow (cfm) 1,250 200 - OPTIONS/A Humiditrol 0.00 20 23 30 +/ A .25 in. x 47.00 in. x	0 MBH 1.0 MBH CCESSOR CCESSOR BV 3Ph / 60 amp amp - 10% (46.88 in.	Nominal Por Required Po Drive Type Required Wa RIES (in.WC eat 02	Stal Leaving Star Star Swer atts Economiz	Ipply Fan 1.50 hp 0.35 hp MSAV Di 258 W Implementation (Compressor Condenser I Supply Fan Cooling FLA Total Weigh	63.7 rect Drive ilters iRLA FLA FLA FLA FLA FLA t et Weight Veight	Diffuser 10.2 ar 2.8 am 4.4 am 17.4 ar 779 lb	Stages hal Efficiency N ine Size ressure Air Resistance / Exhaust	OX	s 2 81.0% 0.5 in. 7 in.WC VC) 0.60 0.50
Output (High Input (High/ Gas Heat Ris VENITILA Supply Outdoor AIR RESIS Wet Co 0.04 ELECTRIC Voltage MCA MOCP Oper Range Cabinet Downflow St Downflow Re	Hea h/Low) Low) TION Air Fl Air Fl STANCE : oil AL -Nom Volt NAL DAT AS upply 20 eturn 29 (4	87.0 / 66. 108.0 / 8: 63.7 °F 0w (cfm) 1,250 200 - OPTIONS/A Humiditrol 0.00 20 23 30 +/ (A .25 in. x 47.00 in. y .0 in. x 18.0 in. .0 in. x 11.0 in.	0 MBH 1.0 MBH CCESSOR CCESSOR BV 3Ph / 60 amp amp - 10% (46.88 in.	Nominal Por Required Po Drive Type Required Wa RIES (in.WC eat 02	Stal Leaving Star Star Swer atts Economiz	mperatures (I apply Fan 1.50 hp 0.35 hp MSAV Di 258 W er Fi Compressor Condenser I Supply Fan Cooling FLA Total Weigh Base Unit No OAS/Econ V	63.7 rect Drive ilters iltes iLA FLA FLA FLA Total it et Weight Weight Weight	Image:	Stages hal Efficiency N ine Size ressure Air Resistance / Exhaust	OX	s 2 81.0% 0.5 in. 7 in.WC VC) 0.60 0.50



Tag:

PAHU-1 Admin

Factory Installed Options

Direct Drive Unit Orientation Downflow Supply Fan: Multi-Speed ECM Direct Drive 208/220/230/240V 3Phase 80Amp Non-Fused Disconnect Factory Installed Built-in BACnet IP and MS/TP (standard) Refrigerant R-454B Supply Motor - 1.5 Hp ECM - w/ MSAV 108K S.S. (Dual Stage) Low Nox Factory Installed Combination Coil/Hail Guards Factory Installed Hinged Access Doors Factory Installed 15A GFCI Factory Installed/Field Wired Environ Evaporator and Condenser Coil System Factory Installed Drain Pan Overflow Switch Factory Installed Humiditrol Factory Installed 2" MERV4 - Std. Filter Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
20H48	1	High Performance Economizer Field Installed
21Z21	1	Barometric Relief Dampers (for PE Kit) Field Installed
21Z13	1	Power Exhaust Fan Field Installed

Product Features

Cabinet

Hinged Access Panels Durable Outdoor Enamel Paint Finish Totally Enclosed Outdoor Fan Motor PVC Coated Fan Guard Corrosion-Resistant Removable, Reversible Drain Pan Isolated Compressor Compartment

Cooling System

Scroll Compressor Expansion Valves High Capacity Driers Crankcase Heater System can operate from 0°F to 125°F without any additional controls Pre-charged Refrigeration System Timed Off Control Internal Pressure Relief Valve Humidifical - Hot Gas Reheat Dehumidification System

Heating System

Redundant Automatic Gas Valve with Manual Shut-off Electronic Flame Sensor Direct Spark Ignition Inshot Burners AGA-CGA Certified If configured for room sensor control, additional staging may be possible. Refer to performance tables within the EHB

Control System

Fan and Limit Controls Overload Protection Microprocessor Controls – Lennox® CORE Control System Auto reset high & low pressure switch with strike 3 lockout feature in Lennox® CORE Control System Built-in BACnet IP & MS/TP Return Air Sensor Factory Installed Outdoor Air Sensor Factory Installed Factory Installed Discharge Air Sensor Refrigerant Detection System (RDS) and mitigation response, per UL safety standard 60335-2-40

Compliance



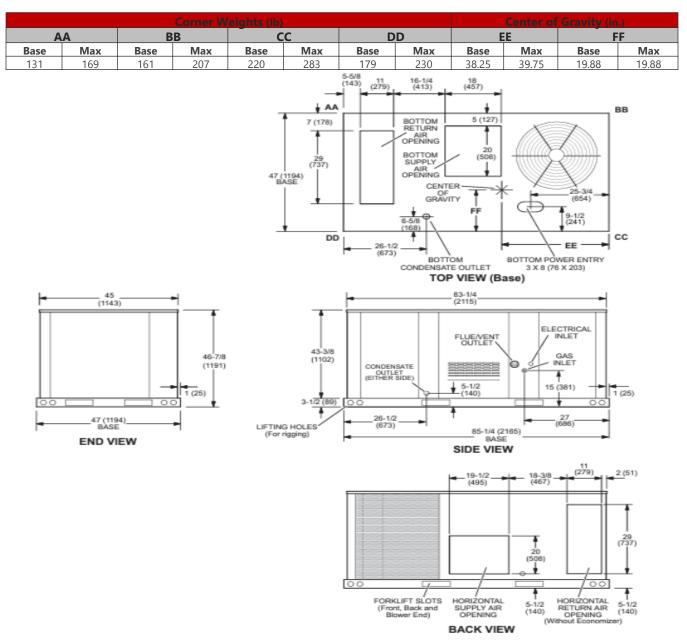
Components are Bonded for Grounding Factory Test Operated All models are ASHRAE 90.1 energy efficiency compliant and meet or exceed requirements of Section 6.8 All models meet DOE 2023 energy efficiency standards All models are compliant with and listed to UL standard 60335-2-40

Model meets California Code of Regulations, Title 24 and ASHRAE 90.1-2016 Section 6.4.3.10 requirements for staged airflow Model meets HCAI (formerly OSHPD) OSP and Special Seismic Certification (Number: OSP-0596) and meet 2018 International Building Code (IBC), 2019 California Building Code (CBC) ASCE 7, and ICC-ES AC156 ISO 9001 Registered Manufacturing Quality System

Warranty

Limited warranty on stainless steel heat exchanger of 15 years Limited warranty on compressor of 5 years Limited warranty on Environ Coil System of 3 years Limited warranty on all other components of 1 year Limited warranty on Lennox® CORE Control System of 3 years See Limited Warranty Certificate included with unit for details







UNIT CLEARANCES

Project Submittal

¹ Unit Clearance	Α		I	В	(0	D		Тор	
Onit Clearance	in.	mm	in.	mm	in.	mm	in.	mm	Clearance	
Service Clearance	48	1219	36	914	36	934	36	914		
Clearance to Combustibles	36	914	1	25	1	25	1	25	Unobstructed	
Minimum Operation Clearance	36	914	36	914	36	914	36	914		

NOTE - Entire perimeter of unit base requires support when elevated above the mounting surface.

¹ Service Clearance - Required for removal of serviceable parts.

Clearance to Combustibles - Required clearance to combustible material.

Minimum Operation Clearance - Required clearance for proper unit operation.



ag:															
lodel:		LO	БТ072Н5Е	- LGT072H	15E-Y 6T										
	RVIEW														
Voltage	IEER EER	EER MCA/MOCP Ttl/Sen (amp) (MBH)		MCA/MOCP Ttl/Ser		MCA/MOCP (amp)		/Sens	Tt	Cooling I/Sens MBH)	Supply Air Flow (cfm)	ESP/TS (in.WC		EAT DB/WB (°F)	LAT DB/W (°F)
208V 3Ph 60Hz	17.3 12.2	34 / 50	72.6	5 / 46.1	69.4	4 / 42.9	1,950	1.00 / 1.	21 77	7.9 / 67.1	55.1 / 54				
COOLING		1					1		·		1				
Cooling Performance							T€	emperatures (l)					
Net Cooling Coil Moisture	ss Cooling (Ttl/Sens) 72.6 / 46.1 MBH Cooling (Ttl/Sens) 69.4 / 42.9 MBH Moisture Removal 24.97 lb/hr tem Moisture Removal 24.97 lb/hr					Ambient Entering Total Leavin Total Leavin			95.0 77.9 55.1 56.7		67.1 54.6 55.2				
	ARI Perfo	ormance		Cor	npressors		R	efrigerant		Conde	nsate Drai				
ARI Cooling ARI Power		72.0 / 69.0 MBH 5,600 W	Com	ing Stages pressor Qty pressor RLA		2.0 1 19.2 amp	Type Charge	R-454B 4 LBS. 8 OZ.		Qty Size Pipe Thre	1 1 ad n				
HUMIDIT		OT GAS REHE													
Humiditrol Dehumidification Performa Gross Cooling - Stage 1(Ttl/Sens) 17.6 / 17.6 MB Moisture Removal - Stage 1 lb/hr						Te Ambient Entering Total Leaving – (Stage 1)			Semperatures (DB/WB °F) 95.0 80.0 71.3						
Moisture Rer HEATING Dutput (High	moval - Sta Hea n/Low)	ge 1 ting Performance 87.0 / 66.	9 0 MBH	Ti	Te otal Leaving				71.3 SI	pecificatio	2				
Moisture Rer HEATING Dutput (High Nput (High/I Gas Heat Ris	noval - Star Hea n/Low) Low) e	ge 1 ting Performance	9 0 MBH	T		Total Leavin	DB/WB °F)	The Gas	71.3 S	pecificatio	54.2 ns				
Moisture Rer HEATTING Output (High Input (High/I Gas Heat Ris	noval - Star Hea n/Low) Low) e HION	ge 1 ting Performance 87.0 / 66. 108.0 / 8 40.8 °F	9 0 MBH	T	otal Leaving	Total Leavin	DB/WB °F)	The Gas	71.3 S t Stages rmal Efficie Line Size Pressure	pecificatio	54.2 ns 2 81.0% 0.5 in. 7 in.WC				
Moisture Rer HEATING Output (High Input (High/I Gas Heat Rise VENTILA	noval - Star Hea n/Low) Low) e HION	ge 1 ting Performance 87.0 / 66. 108.0 / 8	9 0 MBH	Nominal Po	otal Leaving	Total Leavin	DB/WB °F)	The Gas	71.3 S t Stages rmal Efficie Line Size Pressure	pecificatio	54.2 ns 2 81.0% 0.5 in. 7 in.WC				
Moisture Rer HEATING Output (High Input (High/I Gas Heat Rise VENTILA Supply	noval - Star Hea n/Low) Low) e HION	ge 1 ting Performance 87.0 / 66. 108.0 / 8 40.8 °F	9 0 MBH		otal Leaving Su	Total Leavin mperatures (I upply Fan 1.50 hp 1.03 hp	DB/WB °F)	The Gas Gas	71.3 SI t Stages rmal Efficie Line Size Pressure Air Resi	pecificatio	54.2 ns 2 81.0% 0.5 in. 7 in.WC WC)				
Moisture Rer HEATING Output (High Input (High/I Gas Heat Rise VENTILA Supply Outdoor	Hea /Low) Low) e HON Air F	ge 1 ting Performance 87.0 / 66. 108.0 / 8 40.8 °F low (cfm) 1,950 230	9 0 MBH 1.0 MBH	Nominal Po Required Po Drive Type Required W	Supervision Superv	Total Leavin mperatures (I upply Fan 1.50 hp 1.03 hp MSAV Di	DB/WB °F) 40.8	The Gas Gas Total	71.3 SI t Stages rmal Efficie Line Size Pressure Air Resi	pecificatio	54.2 ns 2 81.0% 0.5 in. 7 in.WC WC) 1.21				
Moisture Rer HEATING Output (High Input (High/I Gas Heat Risc VENTILA Supply Outdoor AIR RESIS Wet Co	Hea n/Low) Low) e HON Air F	ge 1 ting Performance 87.0 / 66. 108.0 / 8 40.8 °F low (cfm) 1,950 230 - OPTIONS/A Humiditrol	о мвн 1.0 мвн ССЕSSOR	Nominal Po Required Po Drive Type Required W Required W	Status Status C) Economiz	Total Leavin mperatures (I upply Fan 1.50 hp 1.03 hp MSAV Dia 764 W	DB/WB °F) 40.8	The Gas Gas Total	71.3 SI t Stages rmal Efficie Line Size Pressure Air Resi	pecificatio	54.2 ns 2 81.0% 0.5 in. 7 in.WC WC) 1.21				
Moisture Rer HEATTING Dutput (High nput (High/I Gas Heat Risc VENTILAT Supply Dutdoor AIR RESIS Wet Co 0.10 HECTRIC	noval - Star Hea h/Low) e FION Air Fl Air Fl	ge 1 ting Performance 87.0 / 66. 108.0 / 8 40.8 °F low (cfm) 1,950 230 - OPTIONS/A Humiditrol 0.03	о МВН 1.0 МВН 1.0 МВН ССЕSSOR На 0.	Nominal Po Required Po Drive Type Required W RIES (in.WC eat 04	Supervision States Stat	Total Leavin mperatures (I 1.50 hp 1.03 hp MSAV Dia 764 W	DB/WB °F) 40.8 rect Drive	The Gas Gas Total Ext Supp	71.3 Signature Signa	pecificatio	54.2 ns 2 81.0% 0.5 in. 7 in.WC WC) 1.21 1.00				
Moisture Rer REATING Output (High Input (High/I Gas Heat Risc VENTILA) Supply Outdoor AIR RESIS Wet Co 0.10 AIR CORNEL Woltage MCA MOCP	noval - Star Hea n/Low) Low) e HON Air F STANCE STANCE STANCE AL	ge 1 ting Performance 87.0 / 66. 108.0 / 8 40.8 °F 1000 (cfm) 1,950 230 - OPTIONS/A Humiditrol 0.03 20 34 50	о мвн 1.0 мвн ССЕSSOR	Nominal Po Required Po Drive Type Required W RIES (in.WC eat 04	Status Status C) Economiz	Total Leavin mperatures (I upply Fan 1.50 hp 1.03 hp MSAV Dia 764 W	PB/WB °F) 40.8 rect Drive	The Gas Gas Total Ext Supp	71.3 Signature Signa	pecificatio	54.2 ns 2 81.0% 0.5 in. 7 in.WC WC) 1.21 1.00				
Moisture Rer HEATING Output (High/I Gas Heat Risc VENTILA Supply Outdoor AIR RESIS Wet Co 0.10 ELECTRIC Voltage MCA MOCP Oper Range- AIDDITION	noval - Star Hea n/Low) Low) e (ION Air F STANCE STANCE STANCE Nom Volt	ge 1 ting Performance 87.0 / 66. 108.0 / 8 40.8 °F 1000 (cfm) 1,950 230 - OPTIONS/A Humiditrol 0.03 20 34 50 +/	2 0 MBH 1.0 MBH 0. 0. 0. 0. 8V 3Ph / 60 amp amp - 10%	Nominal Po Required Po Drive Type Required W RIES (in.WC eat 04	Status Status C) Economiz	Total Leavin mperatures (I upply Fan 1.50 hp 1.03 hp MSAV Dii 764 W ter Fi Compressor Condenser Fi Supply Fan Cooling FLA	DB/WB °F) 40.8 rect Drive itters	Diffuser 19.2 2.8 a 4.4 a 26.4	71.3 The second	pecificatio	54.2 ns 2 81.0% 0.5 in. 7 in.WC WC) 1.21 1.00				
Moisture Rer HEATING Output (High/I Gas Heat Risc VENTILA) Supply Outdoor AIR RESIS Wet Co 0.10 FIECTRIC Voltage MCA MOCP Oper Range- Cabinet	noval - Star	ge 1 ting Performance 87.0 / 66. 108.0 / 8 40.8 °F 1,950 230 - OPTIONS/A Humiditrol 0.03 20 34 50 +/	2 0 MBH 1.0 MBH 0. 0. 0. 0. 8V 3Ph / 60 amp amp - 10%	Nominal Po Required Po Drive Type Required W RIES (in.WC eat 04	Status Status C) Economiz	Total Leavin mperatures (I upply Fan 1.50 hp 1.03 hp MSAV Dii 764 W zer Fi Compressor Condenser F Supply Fan Cooling FLA Total Weigh	DB/WB °F) 40.8 rect Drive ilters	Diffuser 19.2 2.8 a 4.4 a 26.4 780 lb	71.3 The second	pecificatio	54.2 ns 2 81.0% 0.5 in. 7 in.WC WC) 1.21 1.00				
Moisture Rer HEATING Output (High/I Gas Heat Risc VENTILAT Supply Outdoor AIR RESIS Wet Cc 0.10 ELECTRIC Voltage MCA MOCP Oper Range- ADDITION Cabinet Downflow Su	Hean/Low) e HCOM Air Fi Air Fi Air Stance Air Fi Air Stance Air Stance Air Stance Stance Air Stance Stanc Stance Stance Stance S	ge 1 ting Performance 87.0 / 66. 108.0 / 8 40.8 °F low (cfm) 1,950 230 - OPTIONS/A Humiditrol 0.03 20 34 50 +/ 5.25 in. x 47.00 in. x 0.0 in. x 18.0 in.	2 0 MBH 1.0 MBH 0. 0. 0. 0. 8V 3Ph / 60 amp amp - 10%	Nominal Po Required Po Drive Type Required W RIES (in.WC eat 04	Status Status C) Economiz	Total Leavin mperatures (I upply Fan 1.50 hp 1.03 hp MSAV Dii 764 W rer Fi Condenser F Supply Fan Cooling FLA Total Weigh Base Unit No	DB/WB °F) 40.8 rect Drive ilters iRLA -LA FLA FLA FLA -LA FLA -LA -LA -LA -LA -LA -LA -LA -	The Gas Gas Total Ext Supp Diffuser 19.2 2.8 a 4.4 a 26.4 780 lk 630 lk	71.3 The second	pecificatio	54.2 ns 2 81.0% 0.5 in. 7 in.WC WC) 1.21 1.00				
Moisture Rer HEATING Output (High/I Gas Heat Risc VENTILA) Supply Outdoor AIR RESIS Wet Co 0.10 FIECTRIC Voltage MCA MOCP Oper Range- Cabinet	noval - Star	ge 1 ting Performance 87.0 / 66. 108.0 / 8 40.8 °F 1,950 230 - OPTIONS/A Humiditrol 0.03 20 34 50 +/	CCESSOR 0 MBH 1.0 MBH CCESSOR He 0. 8V 3Ph / 60 amp amp - 10% 46.88 in.	Nominal Po Required Po Drive Type Required W RIES (in.WC eat 04	Status Status C) Economiz	Total Leavin mperatures (I upply Fan 1.50 hp 1.03 hp MSAV Dii 764 W zer Fi Compressor Condenser F Supply Fan Cooling FLA Total Weigh	DB/WB °F) 40.8 40.8 rect Drive liters I	Diffuser 19.2 2.8 a 4.4 a 26.4 780 lb	71.3 The second	pecificatio	54.2 ns 2 81.0% 0.5 in. 7 in.WC WC) 1.21 1.00				



Tag:

PAHU-2 Admin

Factory Installed Options

Direct Drive Unit Orientation Downflow Supply Fan: Multi-Speed ECM Direct Drive 208/220/230/240V 3Phase 80Amp Non-Fused Disconnect Factory Installed Built-in BACnet IP and MS/TP (standard) Refrigerant R-454B Supply Motor - 1.5 Hp ECM - w/ MSAV 108K S.S. (Dual Stage) Low Nox Factory Installed Combination Coil/Hail Guards Factory Installed Hinged Access Doors Factory Installed 15A GFCI Factory Installed/Field Wired Environ Evaporator and Condenser Coil System Factory Installed Drain Pan Overflow Switch Factory Installed Humiditrol Factory Installed 2" MERV4 - Std. Filter Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
20H48	1	High Performance Economizer Field Installed
21Z21	1	Barometric Relief Dampers (for PE Kit) Field Installed
21Z13	1	Power Exhaust Fan Field Installed

Product Features

Cabinet

Hinged Access Panels Durable Outdoor Enamel Paint Finish Totally Enclosed Outdoor Fan Motor PVC Coated Fan Guard Corrosion-Resistant Removable, Reversible Drain Pan Isolated Compressor Compartment

Cooling System

Scroll Compressor Expansion Valves High Capacity Driers Crankcase Heater System can operate from 0°F to 125°F without any additional controls Pre-charged Refrigeration System Timed Off Control Internal Pressure Relief Valve Humidifical - Hot Gas Reheat Dehumidification System

Heating System

Redundant Automatic Gas Valve with Manual Shut-off Electronic Flame Sensor Direct Spark Ignition Inshot Burners AGA-CGA Certified If configured for room sensor control, additional staging may be possible. Refer to performance tables within the EHB

Control System

Fan and Limit Controls Overload Protection Microprocessor Controls – Lennox® CORE Control System Auto reset high & low pressure switch with strike 3 lockout feature in Lennox® CORE Control System Built-in BACnet IP & MS/TP Return Air Sensor Factory Installed Outdoor Air Sensor Factory Installed Factory Installed Discharge Air Sensor Refrigerant Detection System (RDS) and mitigation response, per UL safety standard 60335-2-40

Compliance



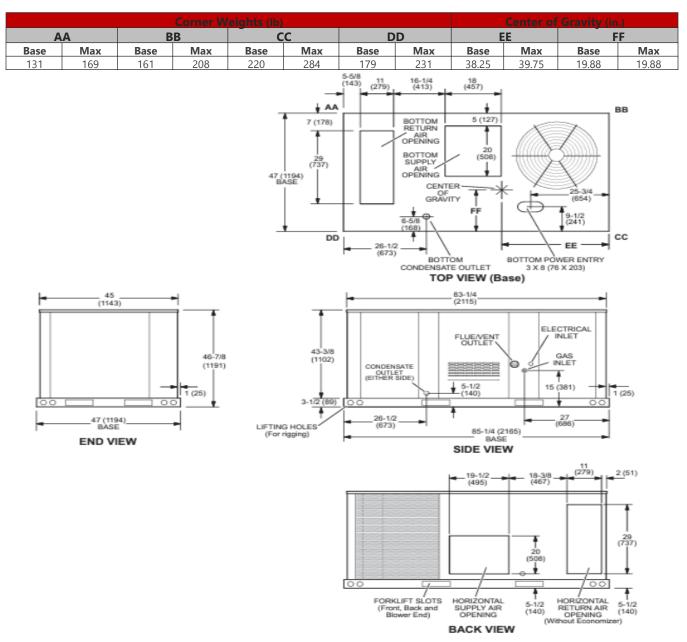
Components are Bonded for Grounding Factory Test Operated All models are ASHRAE 90.1 energy efficiency compliant and meet or exceed requirements of Section 6.8 All models meet DOE 2023 energy efficiency standards All models are compliant with and listed to UL standard 60335-2-40

Model meets California Code of Regulations, Title 24 and ASHRAE 90.1-2016 Section 6.4.3.10 requirements for staged airflow Model meets HCAI (formerly OSHPD) OSP and Special Seismic Certification (Number: OSP-0596) and meet 2018 International Building Code (IBC), 2019 California Building Code (CBC) ASCE 7, and ICC-ES AC156 ISO 9001 Registered Manufacturing Quality System

Warranty

Limited warranty on stainless steel heat exchanger of 15 years Limited warranty on compressor of 5 years Limited warranty on Environ Coil System of 3 years Limited warranty on all other components of 1 year Limited warranty on Lennox® CORE Control System of 3 years See Limited Warranty Certificate included with unit for details







UNIT CLEARANCES

Project Submittal

¹ Unit Clearance	Α		I	В	(0	D		Тор	
Onit Clearance	in.	mm	in.	mm	in.	mm	in.	mm	Clearance	
Service Clearance	48	1219	36	914	36	934	36	914		
Clearance to Combustibles	36	914	1	25	1	25	1	25	Unobstructed	
Minimum Operation Clearance	36	914	36	914	36	914	36	914		

NOTE - Entire perimeter of unit base requires support when elevated above the mounting surface.

¹ Service Clearance - Required for removal of serviceable parts.

Clearance to Combustibles - Required clearance to combustible material.

Minimum Operation Clearance - Required clearance for proper unit operation.