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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



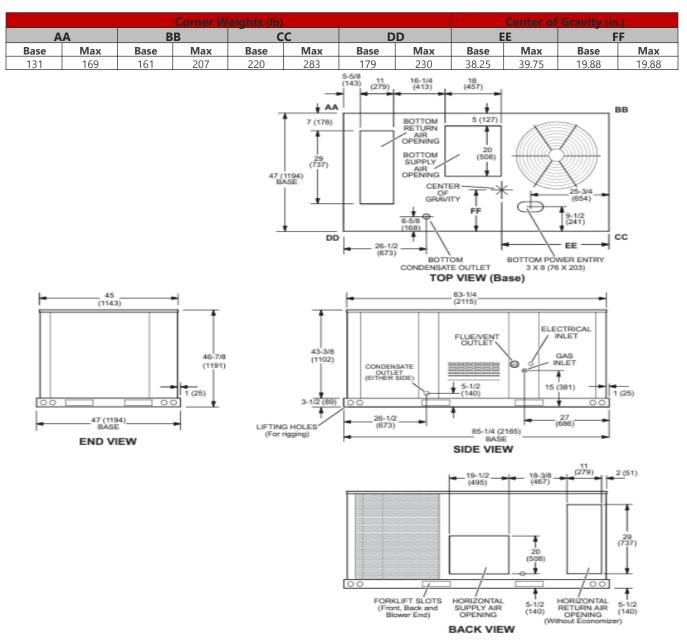
Components are Bonded for Grounding Factory Test Operated All models are ASHRAE 90.1 energy efficiency compliant and meet or exceed requirements of Section 6.8 All models meet DOE 2023 energy efficiency standards All models are compliant with and listed to UL standard 60335-2-40

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



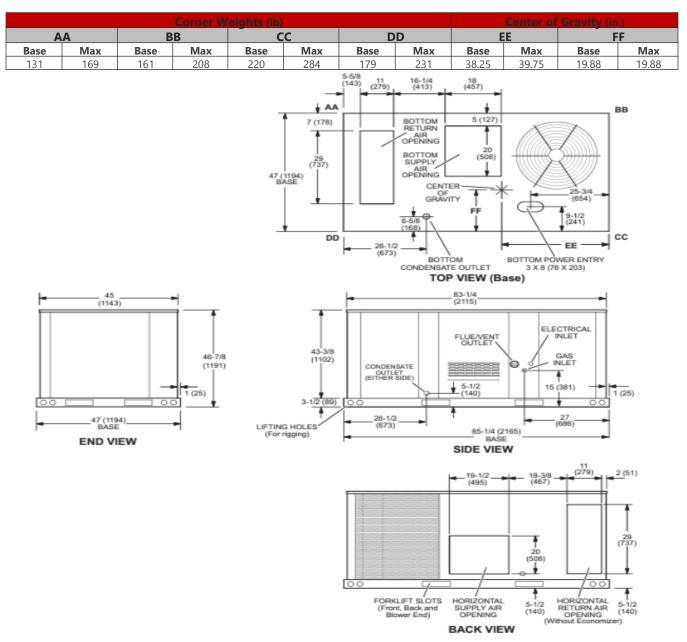
Components are Bonded for Grounding Factory Test Operated All models are ASHRAE 90.1 energy efficiency compliant and meet or exceed requirements of Section 6.8 All models meet DOE 2023 energy efficiency standards All models are compliant with and listed to UL standard 60335-2-40

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.