

Prologis PS - Submittal #019 Lennox Roof Top Units (Specified Option)



Tilton Pacific Construction, Inc.
Integrity • Commitment • Results
"Excellence in Commercial Construction"

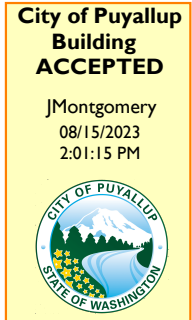
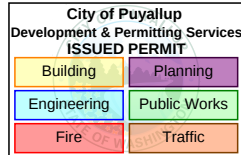
Tilton Pacific
595 Menlo Drive
Rocklin, California 95765
P: (916) 630-7200

Project: 22-05 Prologis Promontory Station
Project Phase 1-A
815 International Parkway
Tracy, California 95377

PRMH20231131

Submittal #19.0 - Lennox Roof Top Units (Specified Option)

Revision	0	Submittal Manager	Ricardo Villeda (Tilton Pacific Construction, Inc.)
Status	Open	Date Created	Aug 3, 2022
Issue Date	Aug 3, 2022	Spec Section	
Responsible Contractor	OMAK Construction, Inc.	Received From	Alexa Dedyk (OMAK Construction, Inc.)
Received Date		Submit By	Aug 3, 2022
Final Due Date	Aug 13, 2022	Lead Time	
Location		Cost Code	
Approvers	Floyd Velasquez (MCG Architecture)	Type	
Ball in Court	Floyd Velasquez (MCG Architecture)		
Distribution	Ricardo Villeda (Tilton Pacific Construction, Inc.), Floyd Velasquez (MCG Architecture), Chris Martin (Tilton Pacific Construction, Inc.), Chris Lee (MCG Architecture), Alex Diaz (Tilton Pacific Construction, Inc.), Cory Chung (Prologis), John Cassidy (Tilton Pacific Construction, Inc.)		
Description	Please see attached Lennox roof top units complete submittal package for Shops 1 & 2 for review and approval. Included in this submittal are all RTUs, curbs and thermostats. Note that some of the specs might have changed as Lennox revised the equipment to be in compliance with new DOE regulations fro 2023. Please provide response by 8/13/2022.		



FULL SIZED LEDGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITTEE ON SITE FOR ALL INSPECTIONS

Submittal Workflow

Name	Sent Date	Due Date	Returned Date	Response	Attachments
General Information Attachments					Shop 2 RTU Submittal.pdf Shop 1 RTU Submittal.pdf
Floyd Velasquez		Aug 13, 2022		Pending	

ACIES
ENGINEERING

400 N. McCarthy Blvd., Suite 250
Milpitas, CA 95035
Tel: (408) 522-5255

Review is only for general conformance with information given and the design concept expressed in the Contract Documents. Comments made during this review do not relieve the Contractor from compliance with the requirements of those Contract Documents. The Contractor is responsible for confirming and correlating all quantities, dimensions, site conditions, construction means, methods, sequences, procedures and the coordination of all trades.

- | | |
|--|---|
| ☐ No Exceptions Taken | ☒ See Notations |
| ☐ Rejected | ☐ Revise and Resubmit |
| ☐ Returned without Review | ☐ Submit Specified Item |

Dates: 2022-08-13 By: DY
MCG Project #: 20225.30 & 20225.40 ACIES Project #: 210828

Shop 1, RTU-4: Coordinate if wire/breaker sizes need to be modified in field for increased MCA/MOCP.

TILTON PACIFIC CONSTRUCTION, INC. HAS REVIEWED THIS SUBMITTAL
DATE 08/03/22 SIGNED
REVIEW BY CONTRACTOR IS UNDERTAKEN SOLELY TO SATISFY ANY OBLIGATIONS OF CONTRACTOR TO OWNER AND DOES NOT IN ANY WAY RELIEVE SUBCONTRACTOR FROM HIS OBLIGATION FULLY TO PERFORM ALL SUBCONTRACT REQUIREMENTS, NOR SHALL SUCH REVIEW GIVE RISE TO ANY RIGHT OF ACTION OR SUIT IN FAVOR OF SUBCONTRACTOR OR THIRD PERSONS AGAINST CONTRACTOR. REVIEW DOES NOT EXTEND TO CONSIDERATION FOR STRUCTURAL INTEGRITY, SAFETY, DETAILED COMPLIANCE WITH CONTRACT REQUIREMENTS OR ANY OTHER OBLIGATION OF THE SUBCONTRACTOR. SUBCONTRACTOR IS FULLY RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL DIMENSIONS, FABRICATING AND CONSTRUCTION TECHNIQUES, COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES, AND THE SATISFACTORY PERFORMANCE OF HIS ENTIRE WORK IN STRICT ACCORDANCE WITH THE CONTRACT DOCUMENTS.



Lennox National Accounts Project Submittal

Project Name: Prologis Promontory Station Shop 1**Project Number:** 266246**Project Altitude:** 52**Project Location:**

815 International Pkwy

Tracy, California US

Date: 7/21/2022**Quote:** 196884B**Roof Top Units:** 4**Split Systems:** 0**Customer:** Zone Comm South California**Engineer:** Acies Engineering**National Account:** Prologis

Table of Contents

Tag	Qty	Model	Description
<u>RTU-1 Suite 1A RTU-2 Suite 1B</u>	2	LGT048H4E	LGT048H4E-Y 4T CONF S=17.6
<u>RTU-3 Suite 1C</u>	1	LGT060H4E	LGT060H4E-Y 5T CONF S=17.1
<u>RTU-4 Suite 1C</u>	1	KGB074H4T	KGB074H4T-Y 6T CONF E=12.0

Revit® Building Information Modeling (BIM) - [Click here](#)AutoCAD® Templates - [Click here](#)

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Lennox National Accounts Project Submittal

Tag: RTU-1 Suite 1A | RTU-2 Suite 1B
Model: LGT048H4E - LGT048H4E-Y 4T CONF S=17.6

UNIT OVERVIEW

Voltage	SEER EER	MCA/MOCP (amp)	Gross Cooling Ttl/Sens (MBH)	Net Cooling Ttl/Sens (MBH)	Supply Air Flow (cfm)	ESP/TSP (in.WC)	EAT DB/WB (°F)	LAT DB/WB (°F)
208V 3Ph 60Hz	17.6 12.8	25 / 35	53.1 / 40.8	50.7 / 38.4	1,600	1.00 / 1.14	80.0 / 67.0	55.8 / 55.8

COOLING

Cooling Performance			Temperatures (DB/WB °F)		
Gross Cooling (Ttl/Sens)	53.1 / 40.8 MBH	Ambient	99.0		
Net Cooling (Ttl/Sens)	50.7 / 38.4 MBH	Entering	80.0	67.0	
Coil Moisture Removal	11.60 lb/hr	Leaving – (Coil)	55.8	55.8	
System Moisture Removal	11.60 lb/hr	Leaving – (Unit)	57.2	56.5	
ARI Performance		Compressors		Refrigerant	Condensate Drain
ARI Cooling	50.1 / 49.0 MBH	Cooling Stages	2.0	Type	Qty
ARI Power	3,800 W	Compressor Qty	1	Charge	Size
		Compressor RLA	11.7 amp	R-410A 5 LBS. 4 OZ.	1 in. Pipe Thread npt

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low)	48.0 / 37.0 MBH	Leaving	27.8	Heat Stages	2
Input (High/Low)	60.0 / 45.0 MBH			Thermal Efficiency	80.0%
Heat Rise	27.8 °F			Gas Line Size	0.5 in.
				Gas Pressure	7 in.WC

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply	1,600	Nominal Power	1.00 hp	Total	1.14
Outdoor	350	Required Power	0.73 hp	Ext Supply	1.00
	0	Drive Type	ECM Direct Drive		
		Required Watts	540 W		

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)

Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.06			0.04	0.04			

ELECTRICAL

Voltage	208V 3Ph / 60Hz	Compressor RLA	11.7 amp
MCA	25 amp	Cooling FLA Total	21.9 amp
MOCP	35 amp	Condenser FLA	2.8 amp
Condenser Power	300 W	Supply Fan FLA	7.4 amp
Oper Range-Nom Volt	+/- 10%		

ADDITIONAL DATA

Cabinet	85.25 in. x 47.00 in. x 46.88 in.	Total Weight	831 lb
Downflow Supply	20.0 in. x 18.0 in.	Base Unit Net Weight	630 lb
Downflow Return	29.0 in. x 11.0 in.	OAS/Econ Weight	131 lb
Filters	(4) 20.0 in. x 20.0 in. x 2.0 in.	Curb Weight	70 lb
Sound Rating	75 dBA		

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Tag: RTU-1 Suite 1A | RTU-2 Suite 1B

Factory Installed Options

Single Sensible High Performance Economizer
Direct Drive
Unit Orientation Downflow
Supply Fan: Multi-Speed ECM Direct Drive
208/220/230/240V 3Phase
80Amp Disconnect Factory Installed
Built-in BACnet IP and MS/TP (standard)
Supply Motor - 1.0 Hp ECM - Multi-Speed Direct Drive
Barometric Relief Damper (Fac)
60K S.S. ULN0x (Dual Stage)
Combination Coil/Hail Guards Factory Installed
Hinged Access Doors Factory Installed
15A GFCI Factory Installed/Field Wired
Supply Air Smoke Detector Factory Installed
Environ Coil System Factory Installed
Drain Pan Overflow Switch Factory Installed
2" MERV8 - Filter Factory installed

Field Installed Accessories

Catalog Number	Qty	Description
11F51	2	14" Downflow - Hybrid Curb Field Installed
17G74	2	CS7500 Comm'I Programmable T-stat w/ FDD Field Installed
52W39	8	2" MERV13 - Filter Field Installed
X6523	8	CRP WIND SEISMIC RESTR BRKTS

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
Internal Pressure Relief Valve

Heating System

Redundant Automatic Gas Valve with Manual Shut-off
Electronic Flame Sensor
Direct Spark Ignition
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
Limited warranty on Lennox® CORE Control System of 3 years
Built-in BACnet IP & MS/TP

Compliance

All models are ASHRAE 90.1-2019 energy efficiency compliant and meet or exceed requirements of Section 6.8
All models meet DOE 2018 and 2023 energy efficiency standards
Model meets California Code of Regulations, Title 24 and ASHRAE 90.1-2016 Section 6.4.3.10 requirements for staged airflow



Lennox National Accounts Project Submittal

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 High Performance Economizer of 5 years
Limited warranty on all other components of 1 year
See Limited Warranty Certificate included with unit for details

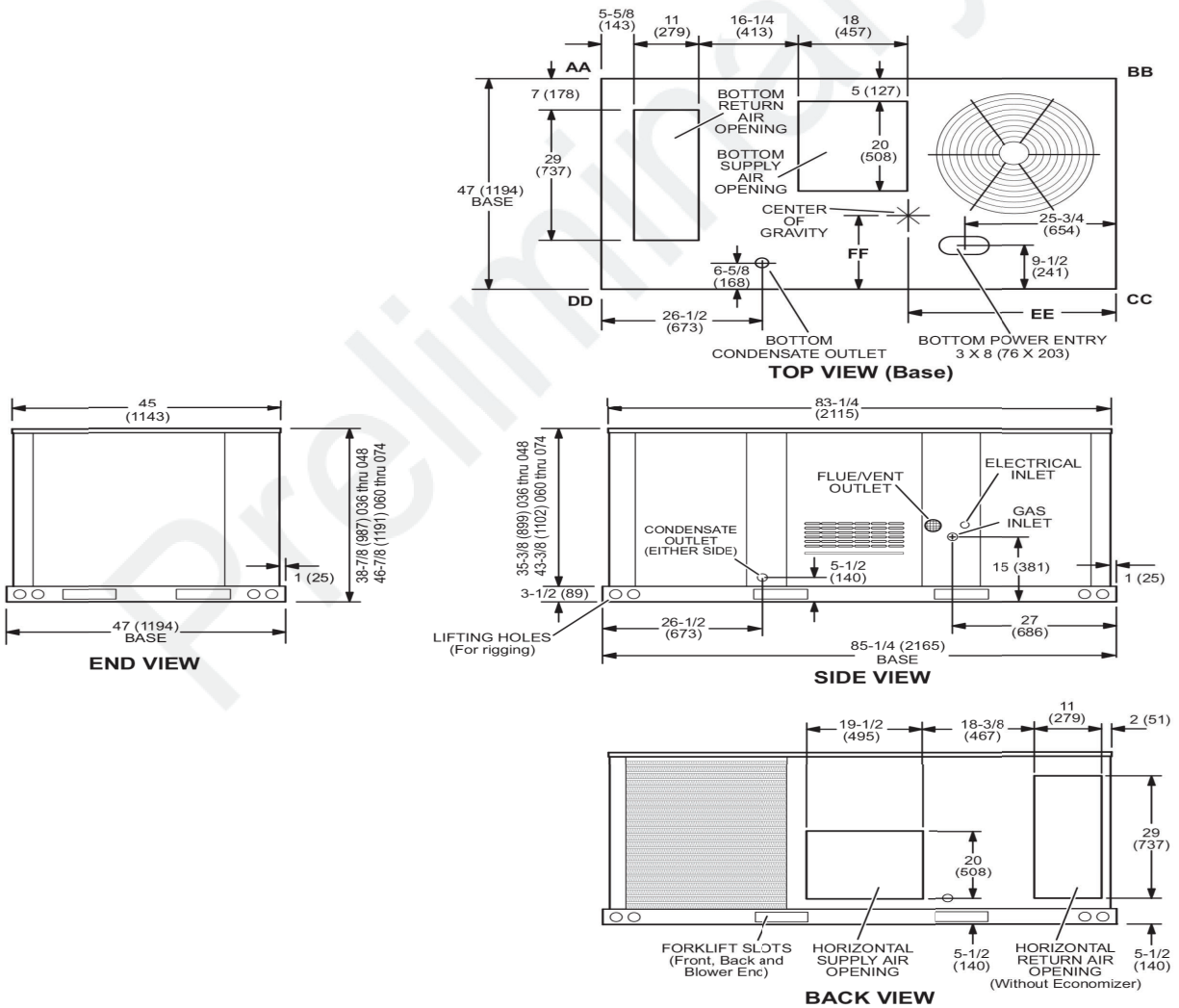
Preliminary

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Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
131	168	161	207	220	283	179	230	38.25	39.75	19.88	19.88

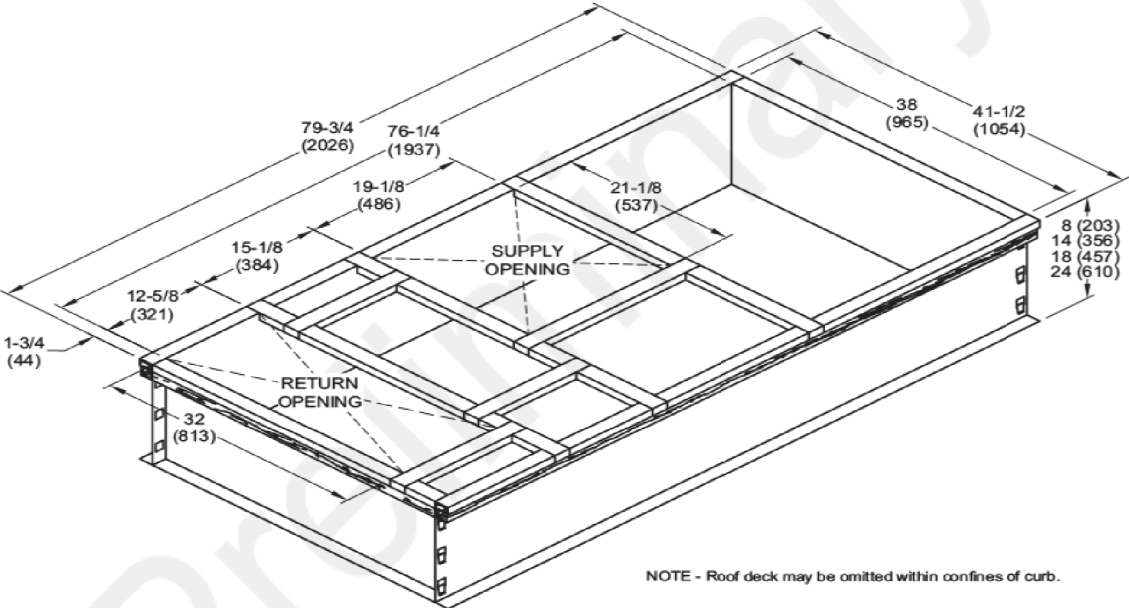




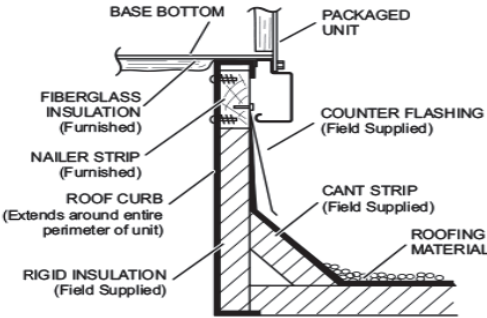
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Project Submittal

HYBRID ROOF CURBS - DOUBLE DUCT OPENING

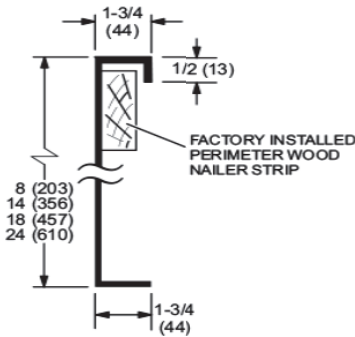
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TYPICAL FLASHING DETAIL FOR ROOF CURB



DETAIL ROOF CURB

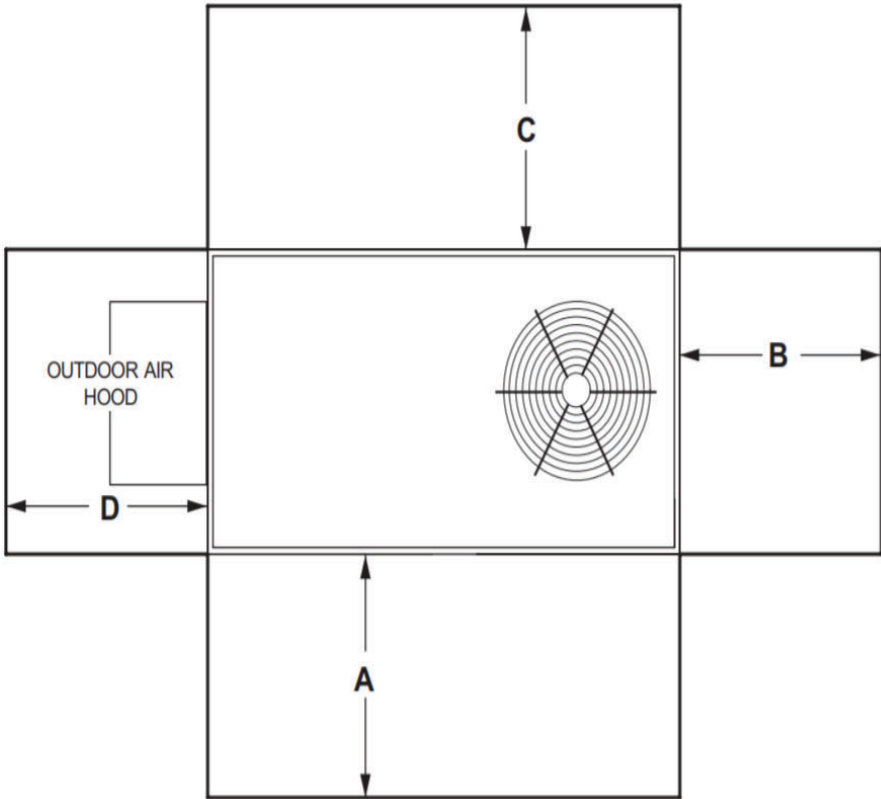




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UNIT CLEARANCES

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¹ Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	48	1219	36	914	36	934	36	914	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
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.



Lennox National Accounts Project Submittal

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ComfortSense®

4 Heat / 2 Cool Universal Multi-Stage



Lennox National Accounts Project Submittal

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Tag: RTU-3 | Suite 1C
Model: LGT060H4E - LGT060H4E-Y 5T CONF S=17.1

UNIT OVERVIEW

Voltage	SEER EER	MCA/MOCP (amp)	Gross Cooling Ttl/Sens (MBH)	Net Cooling Ttl/Sens (MBH)	Supply Air Flow (cfm)	ESP/TSP (in.WC)	EAT DB/WB (°F)	LAT DB/WB (°F)
208V 3Ph 60Hz	17.1 12.8	31 / 40	59.6 / 46.3	56.3 / 43.0	2,000	1.00 / 1.24	80.0 / 67.0	58.0 / 57.2

COOLING

Cooling Performance			Temperatures (DB/WB °F)		
Gross Cooling (Ttl/Sens)	59.6 / 46.3 MBH	Ambient	99.0		
Net Cooling (Ttl/Sens)	56.3 / 43.0 MBH	Entering	80.0	67.0	
Coil Moisture Removal	12.59 lb/hr	Leaving – (Coil)	58.0	57.2	
System Moisture Removal	12.59 lb/hr	Leaving – (Unit)	59.5	57.8	
ARI Performance		Compressors		Refrigerant	
ARI Cooling	61.6 / 60.0 MBH	Cooling Stages	2.0	Type	R-410A
ARI Power	4,700 W	Compressor Qty	1	Charge	4 LBS. 13 OZ.
		Compressor RLA	14 amp		
					Condensate Drain
					Qty 1
					Size 1 in.
					Pipe Thread npt

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low)	87.0 / 60.0 MBH	Leaving	39.8	Heat Stages	2
Input (High/Low)	108.0 / 81.0 MBH			Thermal Efficiency NOX	81.0%
Heat Rise	39.8 °F			Gas Line Size	0.5 in.
				Gas Pressure	7 in.WC

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply	2,000	Nominal Power	1.00 hp	Total	1.24
Outdoor	375	Required Power	1.04 hp	Ext Supply	1.00
	0	Drive Type	ECM Direct Drive		
		Required Watts	772 W		

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)

Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.10		0.04	0.05	0.05			

ELECTRICAL

Voltage	208V 3Ph / 60Hz	Compressor RLA	14.0 amp
MCA	31 amp	Cooling FLA Total	24.2 amp
MOCP	40 amp	Condenser FLA	2.8 amp
Condenser Power	350 W	Supply Fan FLA	7.4 amp
Oper Range-Nom Volt	+/- 10%		

ADDITIONAL DATA

Cabinet	85.25 in. x 47.00 in. x 46.88 in.	Total Weight	874 lb
Downflow Supply	20.0 in. x 18.0 in.	Base Unit Net Weight	630 lb
Downflow Return	29.0 in. x 11.0 in.	OAS/Econ Weight	131 lb
Filters	(4) 20.0 in. x 20.0 in. x 2.0 in.	Gas Heat Weight	8 lb
Sound Rating	82 dBA	Curb Weight	70 lb



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Tag:

RTU-3 | Suite 1C

Factory Installed Options

Single Sensible High Performance Economizer
 Direct Drive
 Unit Orientation Downflow
 Supply Fan: Multi-Speed ECM Direct Drive
 208/220/230/240V 3Phase
 80Amp Disconnect Factory Installed
 Built-in BACnet IP and MS/TP (standard)
 Supply Motor - 1.0 Hp ECM - Multi-Speed Direct Drive
 Std Static Power Exhaust Fan
 108K A.S. (Dual Stage)
 Low Nox Factory Installed
 Combination Coil/Hail Guards Factory Installed
 Hinged Access Doors Factory Installed
 15A GFCI Factory Installed/Field Wired
 Supply Air Smoke Detector Factory Installed
 Environ Coil System Factory Installed
 Drain Pan Overflow Switch Factory Installed
 2" MERV8 - Filter Factory installed

Field Installed Accessories

Catalog Number	Qty	Description
21Z21	1	Barometric Relief Dampers (for PE Kit) Field Installed
11F51	1	14" Downflow - Hybrid Curb Field Installed
17G74	1	CS7500 Comm'l Programmable T-stat w/ FDD Field Installed
52W39	4	2" MERV13 - Filter Field Installed
X6523	4	CRP WIND SEISMIC RESTR BRKTS

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
 Internal Pressure Relief Valve

Heating System

Redundant Automatic Gas Valve with Manual Shut-off
 Electronic Flame Sensor
 Direct Spark Ignition
 Aluminized Steel Inshot Burners
 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
 Limited warranty on Lennox® CORE Control System of 3 years
 Built-in BACnet IP & MS/TP

Compliance

All models are ASHRAE 90.1-2019 energy efficiency compliant and meet or exceed requirements of Section 6.8



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All models meet DOE 2018 and 2023 energy efficiency standards

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 aluminized heat exchanger of 10 years

Limited warranty on compressor of 5 years

Limited warranty on Environ Coil System of 3 years

Limited warranty on High Performance Economizer of 5 years

Limited warranty on all other components of 1 year

See Limited Warranty Certificate included with unit for details

Lennox National Accounts Project Submittal

TOP VIEW (Base)

Dimensions and Features:

- Overall Width: 47 (1194) BASE
- Overall Height: 29 (737)
- Top Section Widths: 5-5/8 (143), 11 (279), 16-1/4 (413), 18 (457)
- Top Section Height: 7 (178)
- Bottom Section Widths: 26-1/2 (673), 6-5/8 (168)
- Bottom Section Height: 20 (508)
- Right Section Width: 25-3/4 (654)
- Right Section Height: 9-1/2 (241)
- Center of Gravity
- Bottom Return Air Opening
- Bottom Supply Air Opening
- Bottom Condensate Outlet
- Bottom Power Entry 3 X 8 (76 X 203)
- FF (Finish Floor) level
- AA, BB, CC, DD, EE reference lines

Technical drawing of the base of the table. The drawing shows a rectangular base with four legs. The dimensions are as follows:

- Top width: 45 (1143)
- Base width: 47 (1194)
- Base height: 1 (25)
- Leg height: 38-7/8 (987) 036 thru 048
- Leg height: 46-7/8 (1191) 060 thru 074

[illegible]

Diagram illustrating the front view of the unit with dimensions and labels:

- Overall width: 19-1/2" (495)
- Overall height: 29" (737)
- Horizontal supply air opening height: 20" (508)
- Horizontal return air opening height: 5-1/2" (140)
- Right side panel width: 18-3/8" (467)
- Right side panel height: 11" (279)
- Right side panel offset: 2" (51)
- Labels:
 - FORKLIFT SLOTS (Front, Back and Blower Enc)
 - HORIZONTAL SUPPLY AIR OPENING
 - HORIZONTAL RETURN AIR OPENING (Without Economizer)

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Lennox National Accounts Project Submittal

NOTE - Roof deck may be omitted within confines of curb.

1-3/4 (44)

1/2 (13)

8 (203)
14 (356)
18 (457)
24 (610)

1-3/4 (44)

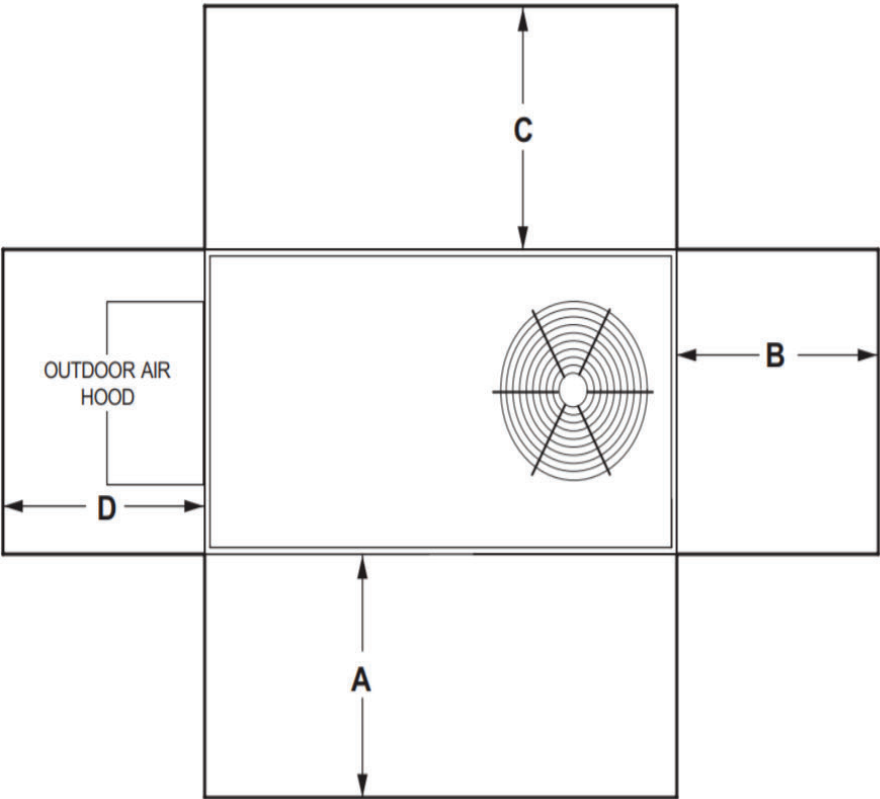
FACTORY INSTALLED PERIMETER WOOD NAILER STRIP



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Lennox National Accounts
Project Submittal

UNIT CLEARANCES



¹ Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	48	1219	36	914	36	934	36	914	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
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.



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Lennox National Accounts Project Submittal



ComfortSense®

4 Heat / 2 Cool Universal Multi-Stage



PRMH20231131

Lennox National Accounts Project Submittal

Tag: RTU-4 | Suite 1C
Model: KGB074H4T - KGB074H4T-Y 6T CONF E=12.0

UNIT OVERVIEW

Voltage	IEER EER	MCA/MOCP (amp)	Gross Cooling Ttl/Sens (MBH)	Net Cooling Ttl/Sens (MBH)	Supply Air Flow (cfm)	ESP/TSP (in.WC)	EAT DB/WB (°F)	LAT DB/WB (°F)
208V 3Ph 60Hz	16 12	35 / 50	70.6 / 56.3	67.0 / 52.7	2,400	1.00 / 1.18	80.0 / 67.0	57.7 / 57.3

COOLING

Cooling Performance			Temperatures (DB/WB °F)		
Gross Cooling (Ttl/Sens)	70.6 / 56.3 MBH	Ambient	99.0		
Net Cooling (Ttl/Sens)	67.0 / 52.7 MBH	Entering	80.0	67.0	
Coil Moisture Removal	13.44 lb/hr	Leaving – (Coil)	57.7	57.3	
System Moisture Removal	13.44 lb/hr	Leaving – (Unit)	59.1	57.9	
ARI Performance		Compressors		Refrigerant	Condensate Drain
ARI Cooling	72.0 / 69.0 MBH	Cooling Stages	2	Type	Qty
ARI Power	5,700 W	Compressor Qty	1	Charge	Size
		Compressor RLA	19.6 amp	R-410A 7 LBS. 2 OZ.	1 in. Pipe Thread npt

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low)	86.0 / 69.0 MBH	Leaving	33.2	Heat Stages	2
Input (High/Low)	108.0 / 81.0 MBH			Thermal Efficiency	80.0%
Heat Rise	33.2 °F			Gas Line Size	0.5 in.
				Gas Pressure	7 in.WC

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply	2,400	Nominal Power	2.00 hp	Total	1.18
Outdoor	400	Required Power	1.16 hp	Ext Supply	1.00
		Drive Type	MSAV Belt Drive		
		RPM Range	798 - 1,105 rpm		
		Required RPM	895 rpm		

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)

Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.08		0.05	0.05				

ELECTRICAL

Voltage	208V 3Ph / 60Hz	Compressor RLA	19.6 amp
MCA	35 amp	Cooling FLA Total	26.6 amp
MOCP	50 amp	Condenser FLA	2.4 amp
Condenser Power	375 W	Supply Fan FLA	4.6 amp
Oper Range-Nom Volt	+/- 10%		

ADDITIONAL DATA

Cabinet	83.25 in. x 47.00 in. x 43.38 in.	Total Weight	858 lb
Downflow Supply	18.0 in. x 20.0 in.	Base Unit Net Weight	649 lb
Downflow Return	11.0 in. x 29.0 in.	OAS/Econ Weight	131 lb
Filters	(4) 20.0 in. x 20.0 in. x 2.0 in.	Gas Heat Weight	8 lb
Sound Rating	79 dBA	Curb Weight	70 lb



PRMH20231131

Lennox National Accounts Project Submittal

Tag:

RTU-4 | Suite 1C

Factory Installed Options

High Performance Economizer Upgrade Factory Installed
 Single Sensible Economizer
 Standard Cap, Std Packaging
 Unit Orientation Downflow
 Supply Fan: MSAV Belt Drive 2-Speed
 208/220/230/240V 3Phase
 80Amp Disconnect Factory Installed
 Supply Motor - 2.0 Hp - w/ MSAV
 Supply Drive Kit 3 (798-1105 RPM)
 108K A.S. (Dual Stage)
 GFCI Factory Installed/Field Wired
 Environ Coil System Factory Installed
 2" MERV4 - Std. Filter Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
21Z21	1	Barometric Relief Dampers (for PE Kit) Field Installed
21Z13	1	Power Exhaust Fan Field Installed
11F51	1	14" Downflow - Hybrid Curb Field Installed
13T03	1	Combination Coil/Hail Guards Field Installed
17G74	1	CS7500 Comm'l Programmable T-stat w/ FDD Field Installed
21Z11	1	Supply OR Return Smoke Detector Field Installed
52W39	4	2" MERV13 - Filter Field Installed
X6523	4	CRP WIND SEISMIC RESTR BRKTS

Product Features

Cabinet

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 30°F to 125°F without any additional controls
 Pre-charged Refrigeration System
 Internal Pressure Relief Valve
 Thermostat Control – 2 Stages of Cooling

Heating System

Redundant Automatic Gas Valve with Manual Shut-off
 Electronic Flame Sensor
 Direct Spark Ignition
 Aluminized Steel 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

Warranty

Limited warranty on aluminized heat exchanger of 10 years
 Limited warranty on compressor of 5 years
 Limited warranty on Environ Coil System of 3 years
 Limited warranty on High Performance Economizer of 5 years
 Limited warranty on all other components of 1 year



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See Limited Warranty Certificate included with unit for details

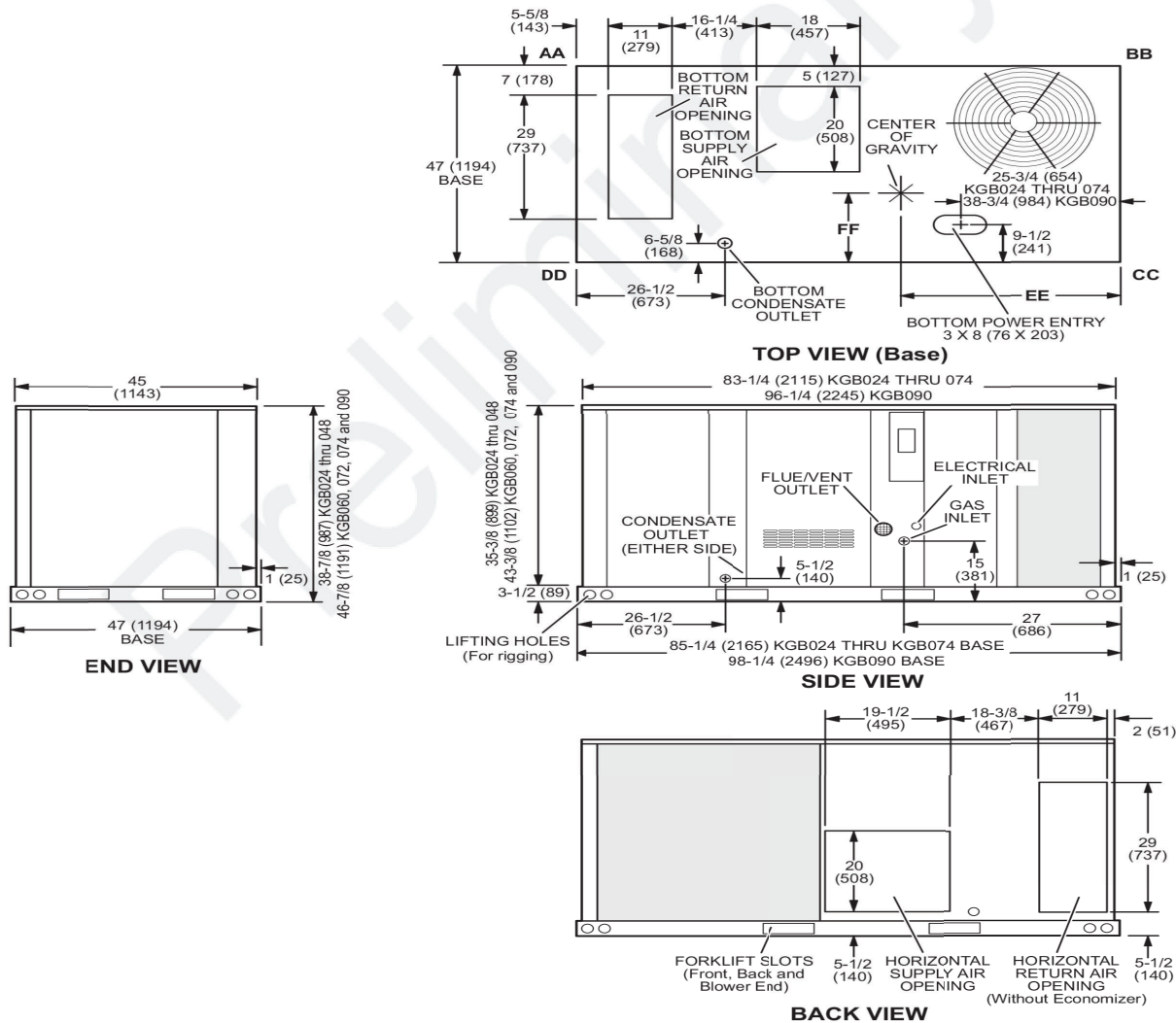
Preliminary



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Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
130	162	147	167	198	226	175	257	40.00	44.00	20.00	20.00

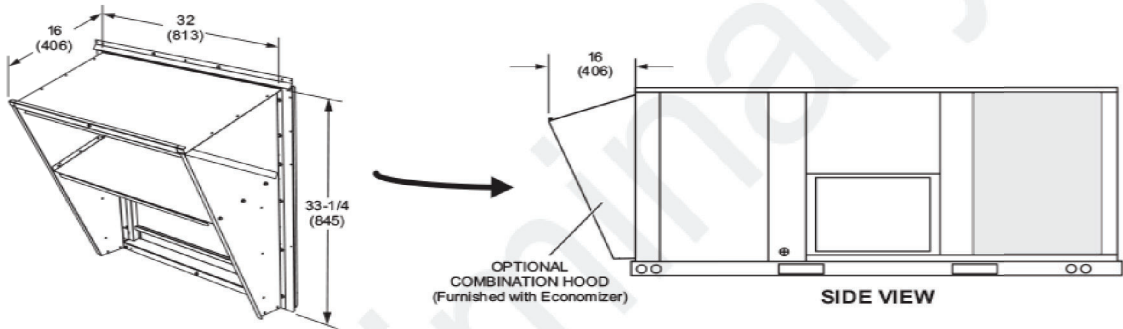




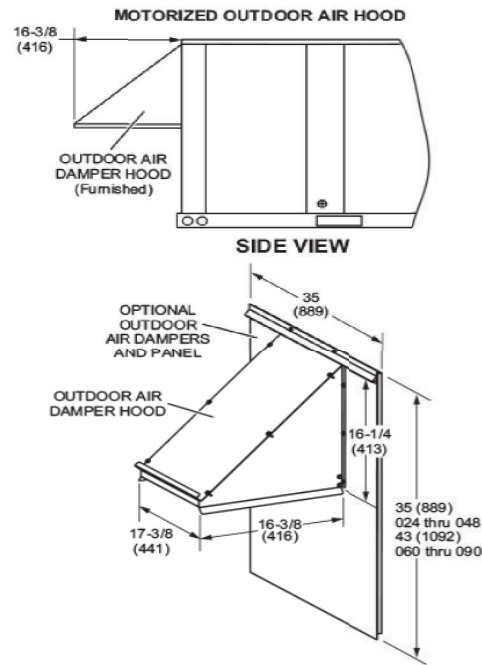
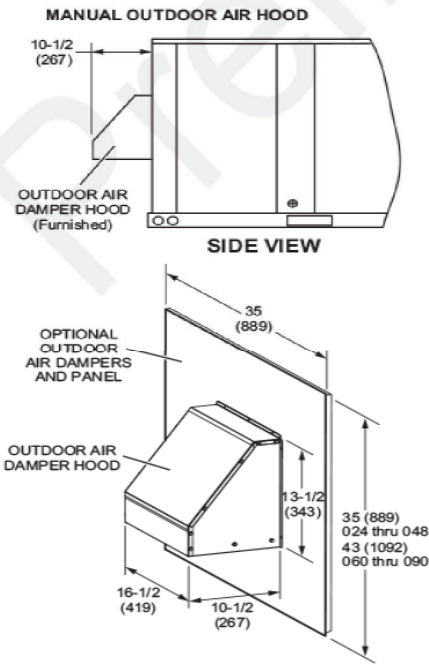
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**COMBINATION OUTDOOR AIR HOOD DETAIL FOR OPTIONAL ECONOMIZER
AND BAROMETRIC RELIEF DAMPERS
(Furnished With Economizer for Downflow Applications)**



OUTDOOR AIR DAMPER HOOD DETAIL (Downflow or Horizontal Applications)

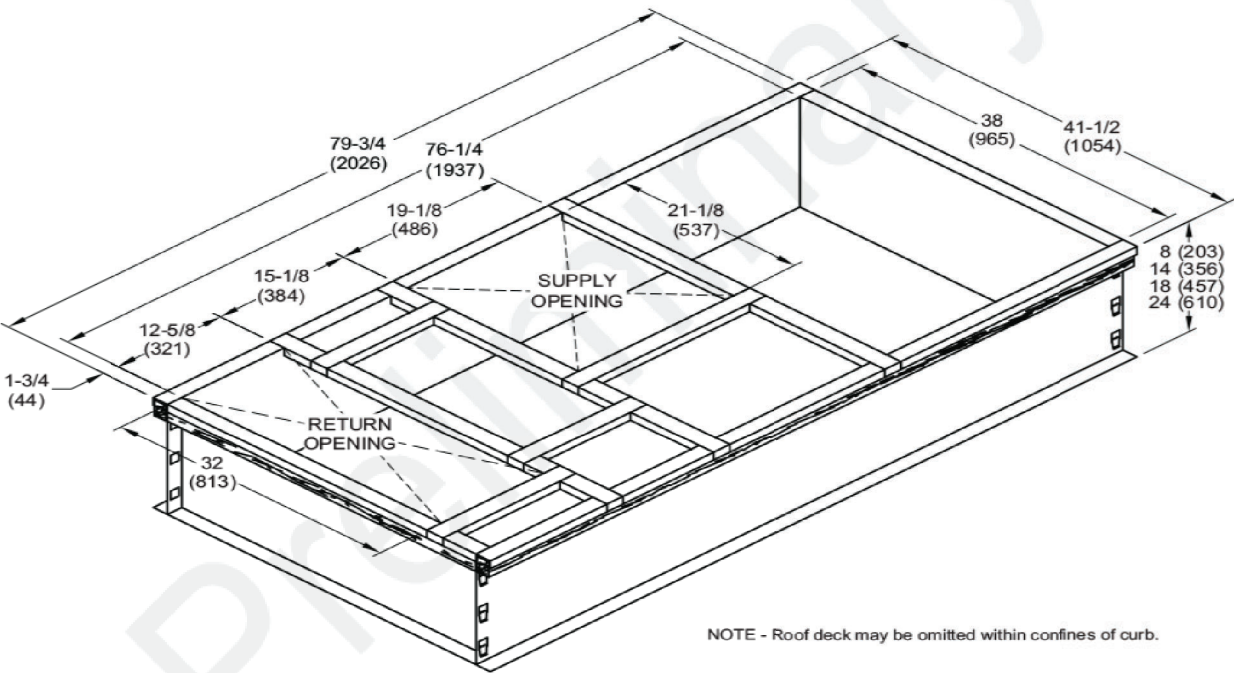




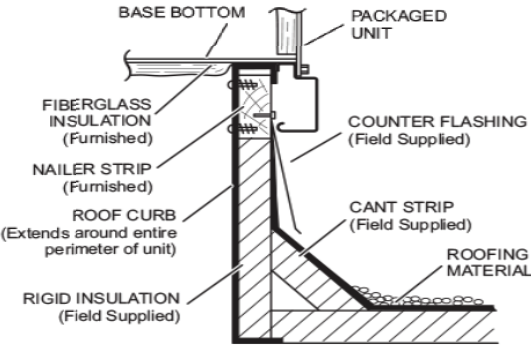
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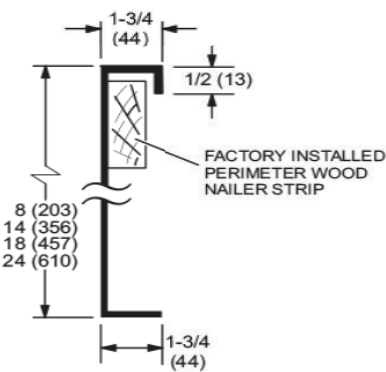
HYBRID ROOF CURBS - DOUBLE DUCT OPENING



TYPICAL FLASHING DETAIL FOR ROOF CURB



DETAIL ROOF CURB

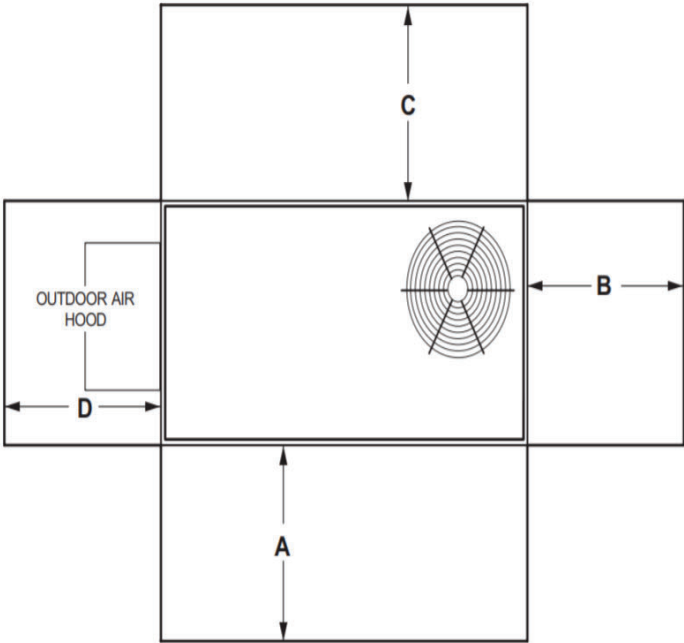




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UNIT CLEARANCES



¹ Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	48	1219	36	914	36	914	36	914	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
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.

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Lennox National Accounts Project Submittal



ComfortSense®

4 Heat / 2 Cool Universal Multi-Stage



PRMH20231131

Lennox National Accounts Project Submittal

Project Name: Prologis Promontory Station Shop 2
Project Number: 266391
Project Altitude: 52
Project Location:
815 International Pkwy
Tracy, California US

Date: 7/21/2022
Quote: 196909B
Roof Top Units: 6
Split Systems: 0

Customer: Zone Comm South California
Engineer: Acies Engineering
National Account: Prologis

Table of Contents

Tag	Qty	Model	Description
<u>RTU-1 Suite 2A</u>	1	KGC102S4M	KGC102S4M-Y 8.5T CONF E=11.0
<u>RTU-2 Suite 2A</u>	1	KGA092H4M	KGA092H4M-Y 7.5T CONF E=12.5
<u>RTU-3 Suite 2B</u>	1	LGT060H4E	LGT060H4E-Y 5T CONF S=17.1
<u>RTU-4 Suite 2C</u>	1	LGT060H4E	LGT060H4E-Y 5T CONF S=17.1
<u>RTU-5 Suite 2D</u>	1	LGT048H4E	LGT048H4E-Y 4T CONF S=17.6
<u>RTU-6 Suite 2E</u>	1	KGA092H4M	KGA092H4M-Y 7.5T CONF E=12.5

Revit® Building Information Modeling (BIM) - [Click here](#)

AutoCAD® Templates - [Click here](#)



PRMH20231131

Lennox National Accounts Project Submittal

Tag:

RTU-1 | Suite 2A

Model:

KGC102S4M - KGC102S4M-Y 8.5T CONF E=11.0

UNIT OVERVIEW

Voltage	IEER EER	MCA/MOCP (amp)	Gross Cooling Ttl/Sens (MBH)	Net Cooling Ttl/Sens (MBH)	Supply Air Flow (cfm)	ESP/TSP (in.WC)	EAT DB/WB (°F)	LAT DB/WB (°F)
208V 3Ph 60Hz	14.6 11	46 / 50	89.7 / 76.4	83.5 / 70.2	3,400	1.00 / 1.39	80.0 / 67.0	58.6 / 58.4

COOLING

Cooling Performance			Temperatures (DB/WB °F)		
Gross Cooling (Ttl/Sens)	89.7 / 76.4 MBH	Ambient	99.0		
Net Cooling (Ttl/Sens)	83.5 / 70.2 MBH	Entering	80.0	67.0	
Coil Moisture Removal	12.51 lb/hr	Leaving – (Coil)	58.6	58.4	
System Moisture Removal	12.51 lb/hr	Leaving – (Unit)	60.4	59.1	
ARI Performance		Compressors		Refrigerant	Condensate Drain
ARI Cooling	99.6 / 97.0 MBH	Cooling Stages	3	Type	Qty
ARI Power	8,800 W	Compressor Qty	2	Charge	Size
		Compressor RLA	29 amp	R-410A 8 LBS. 8 OZ.	1 in. Pipe Thread npt

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low)	104.0 / 0.0 MBH	Leaving	28.3	Heat Stages	2
Input (High/Low)	130.0 / 84.5 MBH			Thermal Efficiency	80.0%
Heat Rise	28.3 °F			Gas Line Size	0.75 in.
				Gas Pressure	7 in.WC

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply	3,400	Nominal Power	2.00 hp	Total	1.39
Outdoor	615	Required Power	1.94 hp	Ext Supply	1.00
		Drive Type	MSAV Belt Drive		
		RPM Range	800 - 1,105 rpm		
		Required RPM	948 rpm		

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)

Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.12		0.12	0.15				

ELECTRICAL

Voltage	208V 3Ph / 60Hz	Compressor RLA	29.0 amp
MCA	46 amp	Cooling FLA Total	41.3 amp
MOCP	50 amp	Condenser FLA	4.8 amp
Condenser Power	740 W	Supply Fan FLA	7.5 amp
Oper Range-Nom Volt	+/- 10%		

ADDITIONAL DATA

Cabinet	101.25 in. x 60.12 in. x 46.88 in.	Total Weight	1,106 lb
Downflow Supply	20.0 in. x 28.0 in.	Base Unit Net Weight	938 lb
Downflow Return	24.0 in. x 27.0 in.	OAS/Econ Weight	83 lb
Filters	(4) 20.0 in. x 25.0 in. x 2.0 in.	Curb Weight	85 lb
Sound Rating	88 dBA		



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Tag:

RTU-1 | Suite 2A

Factory Installed Options

High Performance Economizer Upgrade Factory Installed
 Single Sensible Economizer
 Belt Drive
 Unit Orientation Downflow
 Supply Fan: Multi-Stage Air Volume Belt
 208/220/230/240V 3Phase
 80Amp Disconnect Factory Installed
 Supply Motor - 2.0 Hp Std- w/ MSAV
 Supply Drive Kit 2 (800-1105 RPM)
 130K A.S. (Dual Stage)
 15A GFCI Factory Installed/Field Wired
 Environ Coil System Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
53W44	1	Power Exhaust Fan Field Installed
11F55	1	14" Downflow - Hybrid Curb Field Installed
22J65	1	Combination Coil/Hail Guards Field Installed
17G74	1	CS7500 Comm'l Programmable T-stat w/ FDD Field Installed
11K76	1	Supply OR Return Smoke Detector Field Installed
74W42	1	Drain Pan Overflow Switch Field Installed
52W41	4	2" MERV13 - Filter Field Installed
X6523	4	CRP WIND SEISMIC RESTR BRKTS

Product Features

Cabinet

Durable Outdoor Enamel Paint Finish
 Totally Enclosed Outdoor Fan Motor
 PVC Coated Fan Guard
 Isolated Compressor Compartment

Cooling System

Scroll Compressor
 High Capacity Driers
 Crankcase Heater
 System can operate from 30°F to 125°F without any additional controls
 Pre-charged Refrigeration System
 Internal Pressure Relief Valve

Heating System

Redundant Automatic Gas Valve with Manual Shut-off
 Electronic Flame Sensor
 Direct Spark Ignition
 Aluminized Steel Inshot Burners
 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

Compliance

All models are ASHRAE 90.1-2019 energy efficiency compliant and meet or exceed requirements of Section 6.8
 All models meet DOE 2018 and 2023 energy efficiency standards
 Model meets California Code of Regulations, Title 24 and ASHRAE 90.1-2016 Section 6.4.3.10 requirements for staged airflow
 ISO 9001 Registered Manufacturing Quality System

Warranty

Limited warranty on aluminized heat exchanger of 10 years
 Limited warranty on compressor of 5 years
 Limited warranty on Environ Coil System of 3 years
 Limited warranty on High Performance Economizer of 5 years



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Limited warranty on all other components of 1 year
See Limited Warranty Certificate included with unit for details

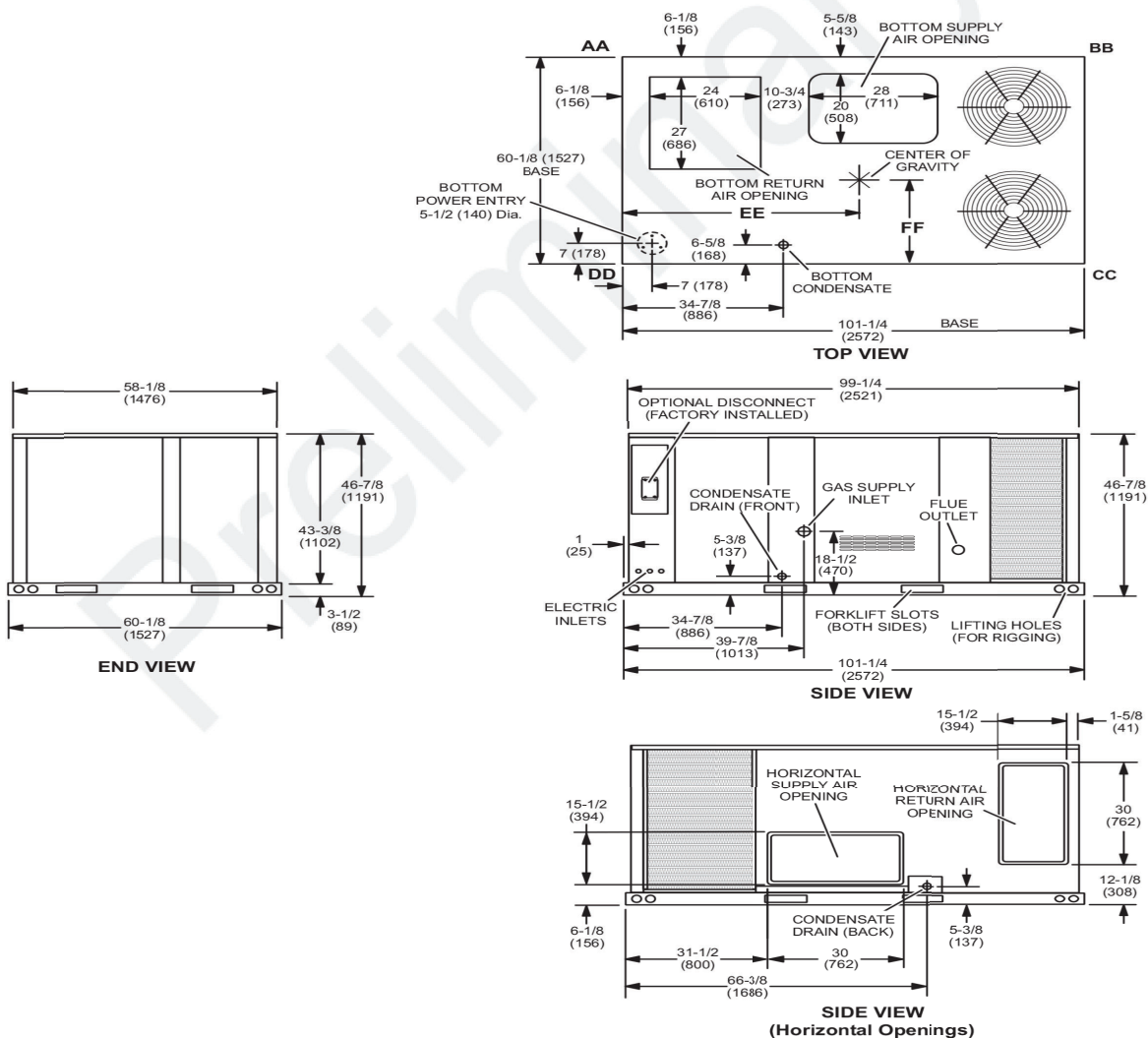
Preliminary



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Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
241	332	205	269	222	282	270	359	44.50	43.50	24.50	25.50

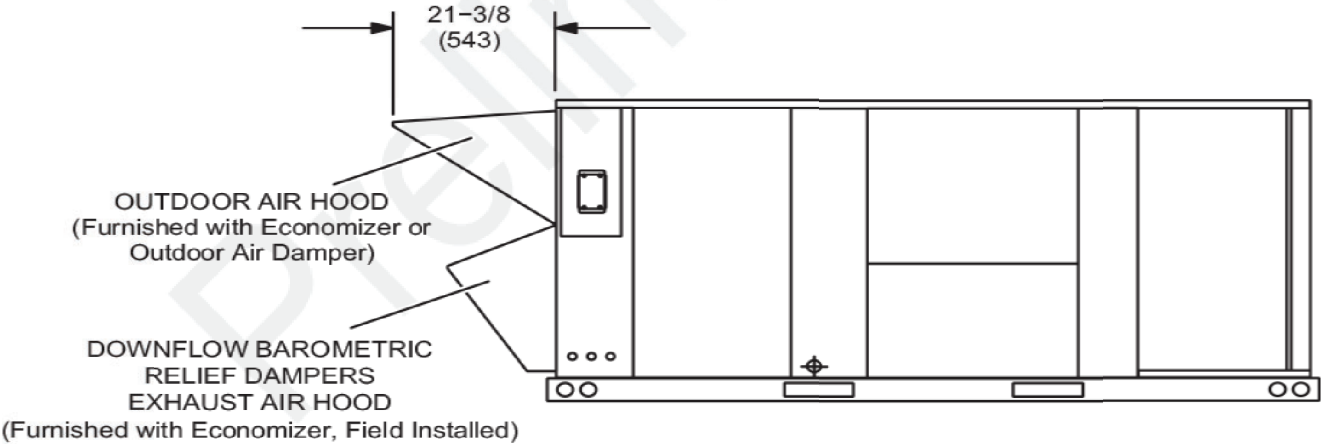




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OUTDOOR AIR HOOD DETAIL

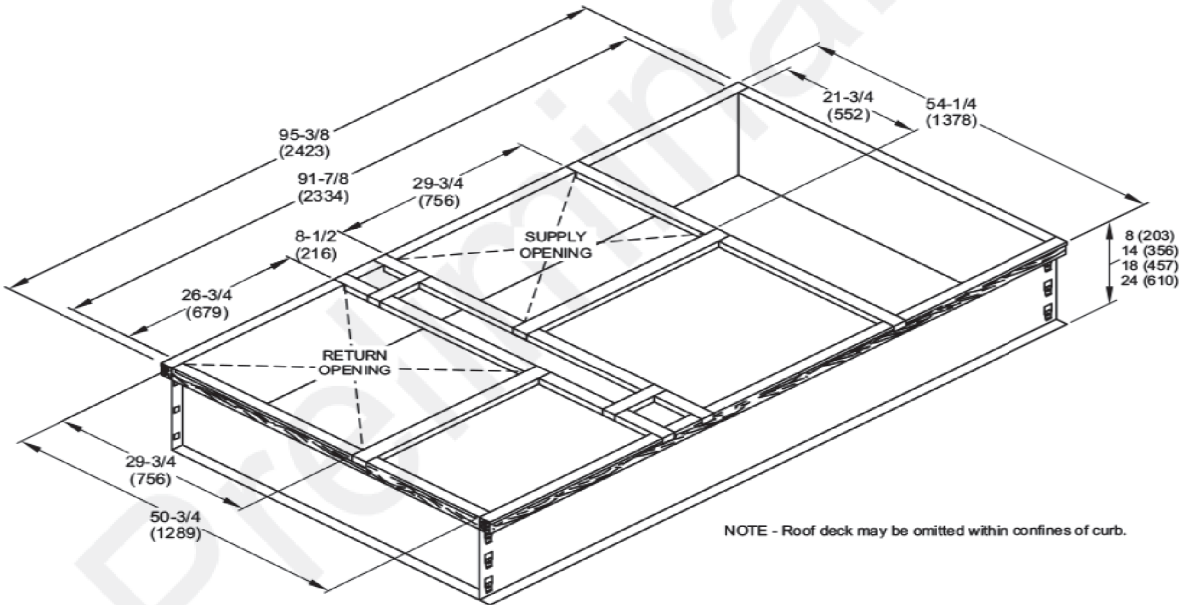




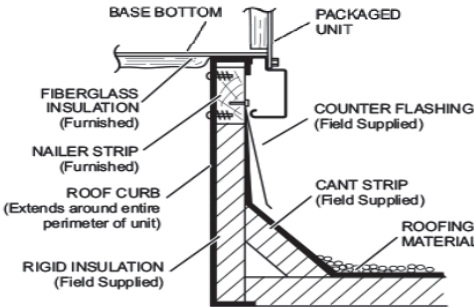
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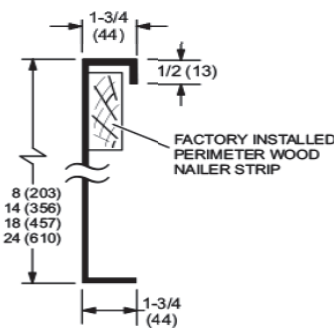
HYBRID ROOF CURBS - DOUBLE DUCT OPENING



TYPICAL FLASHING DETAIL FOR ROOF CURB



DETAIL ROOF CURB

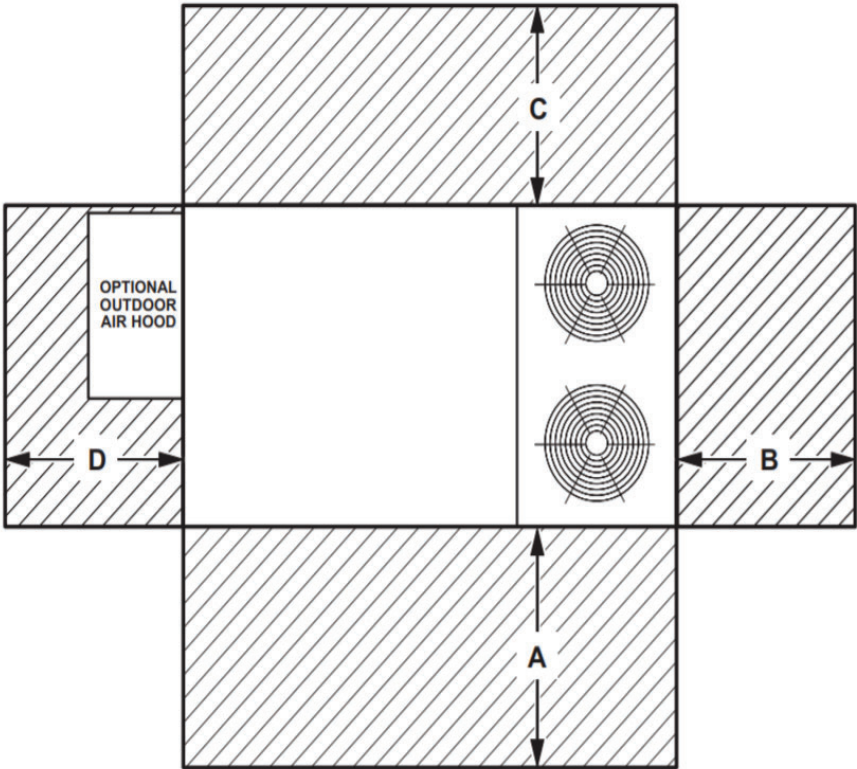




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Project Submittal

UNIT CLEARANCES



¹ Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	60	1524	36	914	36	914	60	1524	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
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 for clearance to combustible material.
Minimum Operation Clearance - Required clearance for proper unit operation.



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ComfortSense®

4 Heat / 2 Cool Universal Multi-Stage



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Lennox National Accounts Project Submittal

Tag:

RTU-2 | Suite 2A

Model:

KGA092H4M - KGA092H4M-Y 7.5T CONF E=12.5

UNIT OVERVIEW

Voltage	IEER EER	MCA/MOCP (amp)	Gross Cooling Ttl/Sens (MBH)	Net Cooling Ttl/Sens (MBH)	Supply Air Flow (cfm)	ESP/TSP (in.WC)	EAT DB/WB (°F)	LAT DB/WB (°F)
208V 3Ph 60Hz	14 12.5	45 / 50	91.1 / 67.6	85.5 / 62.0	3,000	1.00 / 1.34	80.0 / 67.0	58.6 / 57.0

COOLING

Cooling Performance			Temperatures (DB/WB °F)		
Gross Cooling (Ttl/Sens)	91.1 / 67.6 MBH	Ambient	99.0		
Net Cooling (Ttl/Sens)	85.5 / 62.0 MBH	Entering	80.0	67.0	
Coil Moisture Removal	22.15 lb/hr	Leaving – (Coil)	58.6	57.0	
System Moisture Removal	22.15 lb/hr	Leaving – (Unit)	60.4	57.7	

ARI Performance		Compressors		Refrigerant		Condensate Drain	
ARI Cooling	93.0 / 90.0 MBH	Cooling Stages	2	Type	R-410A	Qty	1
ARI Power	7,200 W	Compressor Qty	2	Charge	12 LBS. 13 OZ.	Size	1 in.
		Compressor RLA	26.2 amp			Pipe Thread	npt

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low)	104.0 / 67.5 MBH	Leaving	32.1	Heat Stages	2
Input (High/Low)	130.0 / 84.5 MBH			Thermal Efficiency	80.0%
Heat Rise	32.1 °F			Gas Line Size	0.75 in.
				Gas Pressure	7 in.WC

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply	3,000	Nominal Power	2.00 hp	Total	1.34
Outdoor	540	Required Power	1.76 hp	Ext Supply	1.00
		Drive Type	MSAV Belt Drive		
		RPM Range	800 - 1,105 rpm		
		Required RPM	939 rpm		

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)

Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.10		0.11	0.13				

ELECTRICAL

Voltage	208V 3Ph / 60Hz	Compressor RLA	26.2 amp
MCA	45 amp	Cooling FLA Total	38.5 amp
MOCP	50 amp	Condenser FLA	4.8 amp
Condenser Power	800 W	Supply Fan FLA	7.5 amp
Oper Range-Nom Volt	+/- 10%		

ADDITIONAL DATA

Cabinet	101.25 in. x 60.12 in. x 46.88 in.	Total Weight	1,278 lb
Downflow Supply	20.0 in. x 28.0 in.	Base Unit Net Weight	1,110 lb
Downflow Return	24.0 in. x 27.0 in.	OAS/Econ Weight	83 lb
Filters	(4) 20.0 in. x 25.0 in. x 2.0 in.	Curb Weight	85 lb
Sound Rating	88 dBA		



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Lennox National Accounts Project Submittal

Tag:

RTU-2 | Suite 2A

Factory Installed Options

High Performance Economizer Upgrade Factory Installed
 Single Sensible Economizer
 Standard Cap, Std Packaging
 Unit Orientation Downflow
 Supply Fan: MSAV Belt Drive
 208/220/230/240V 3Phase
 80Amp Disconnect Factory Installed
 Supply Motor - 2.0 Hp Std- w/ MSAV
 Supply Drive Kit 2 (800-1105 RPM)
 130K A.S. (Dual Stage)
 GFCI Factory Installed/Field Wired
 Phase Monitor Factory Installed
 Environ Coil System Factory Installed
 2" MERV4 - Std. Filter Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
53W44	1	Power Exhaust Fan Field Installed
11F55	1	14" Downflow - Hybrid Curb Field Installed
13T05	1	Combination Coil/Hail Guards Field Installed
17G74	1	CS7500 Comm'l Programmable T-stat w/ FDD Field Installed
11K76	1	Supply OR Return Smoke Detector Field Installed
50W61	4	2" MERV8 - Filter Field Installed
X6523	4	CRP WIND SEISMIC RESTR BRKTS

Product Features

Cabinet

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 30°F to 125°F without any additional controls
 Pre-charged Refrigeration System
 Internal Pressure Relief Valve
 Thermostat Control – 2 Stages of Cooling

Heating System

Redundant Automatic Gas Valve with Manual Shut-off
 Electronic Flame Sensor
 Direct Spark Ignition
 Aluminized Steel 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

Warranty

Limited warranty on aluminized heat exchanger of 10 years
 Limited warranty on compressor of 5 years
 Limited warranty on Environ Coil System of 3 years
 Limited warranty on High Performance Economizer of 5 years
 Limited warranty on all other components of 1 year



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See Limited Warranty Certificate included with unit for details

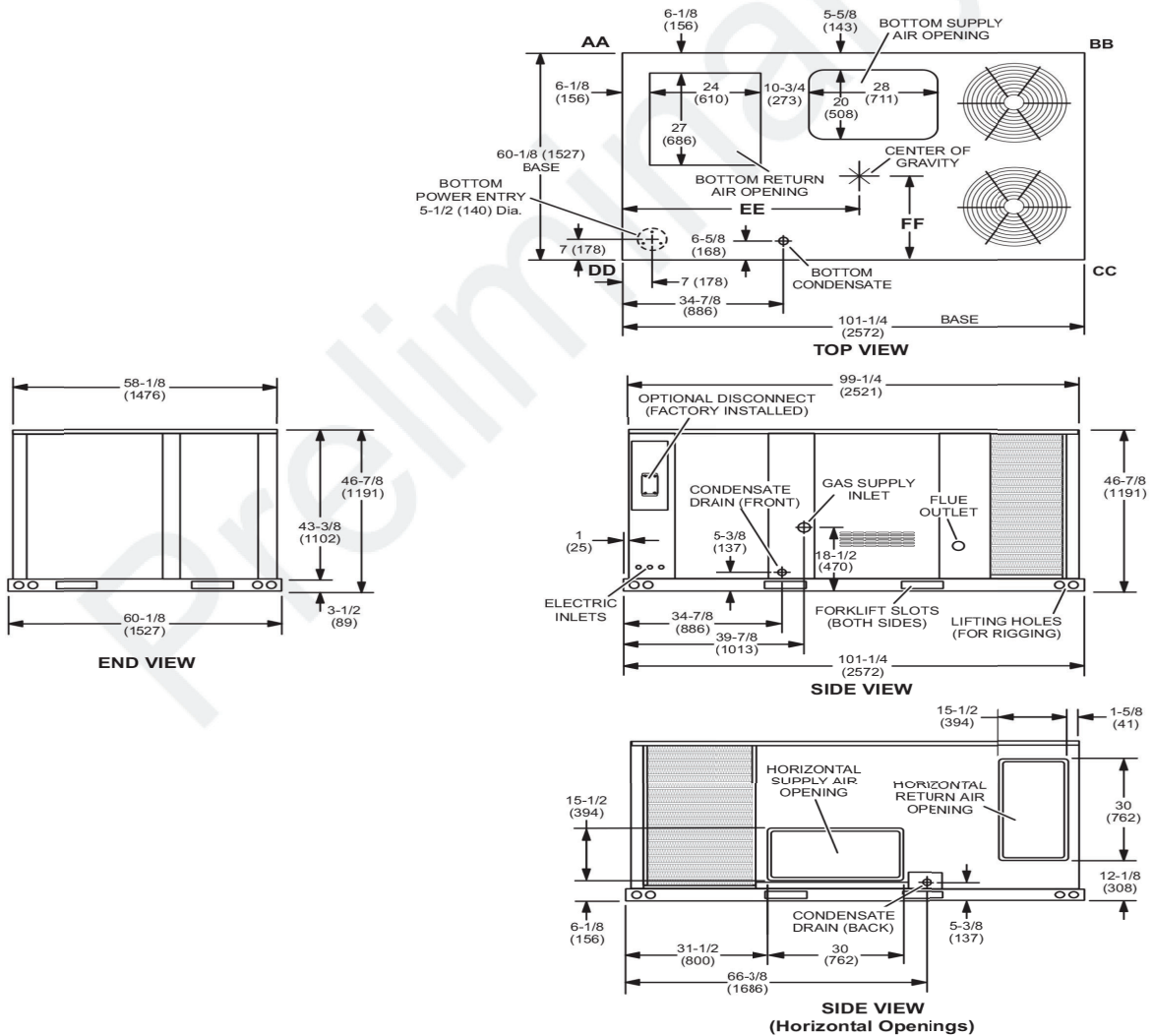
Preliminary



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Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
282	328	241	272	261	290	316	361	44.50	43.50	24.50	25.50

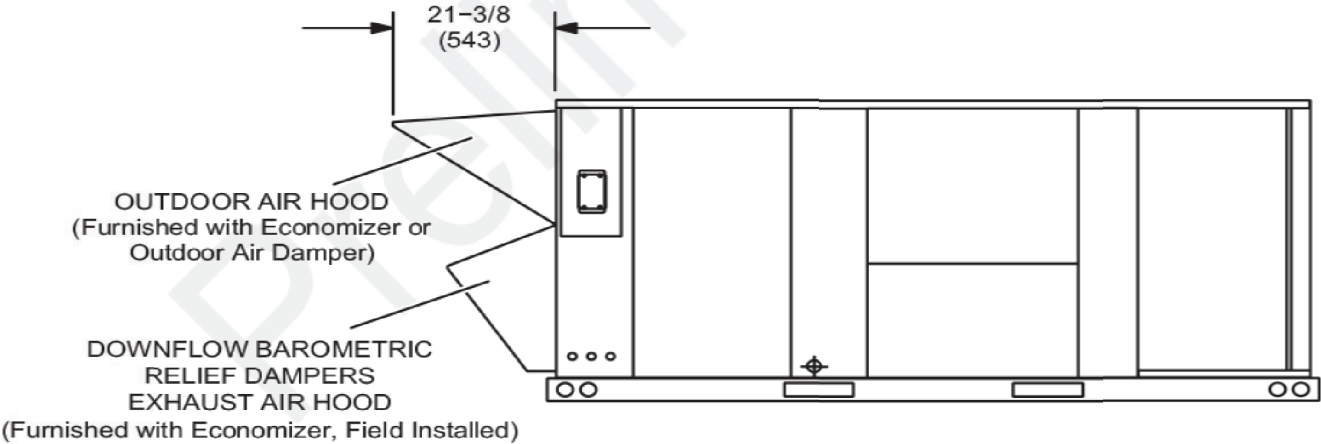




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OUTDOOR AIR HOOD DETAIL

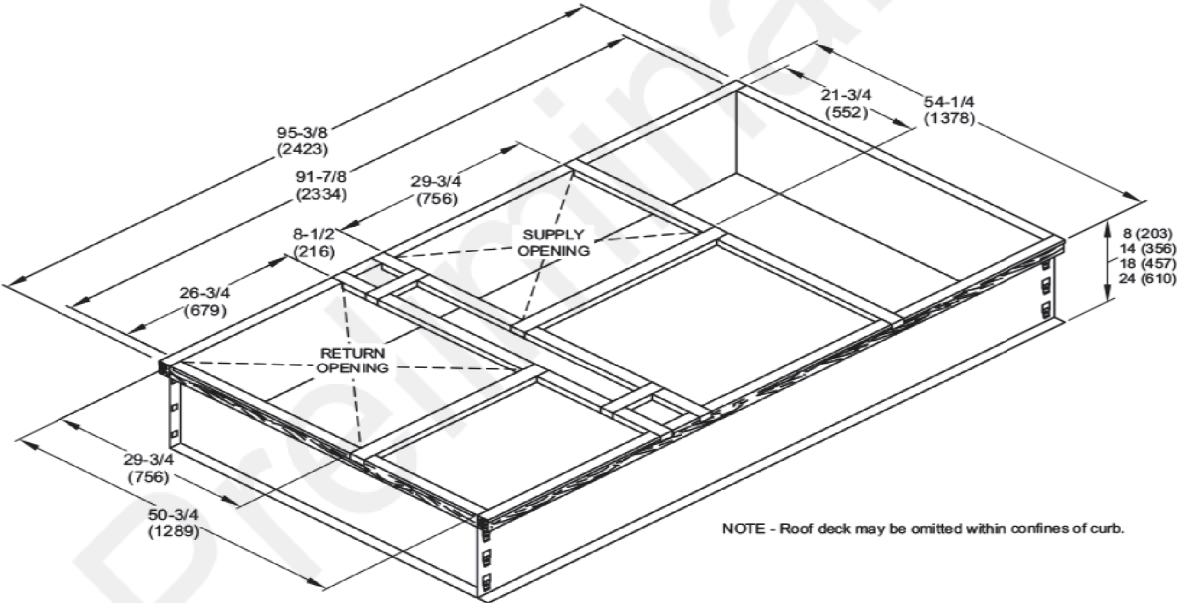




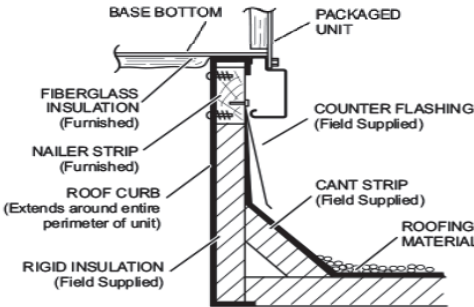
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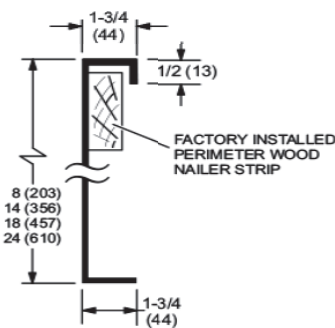
HYBRID ROOF CURBS - DOUBLE DUCT OPENING



TYPICAL FLASHING DETAIL FOR ROOF CURB



DETAIL ROOF CURB

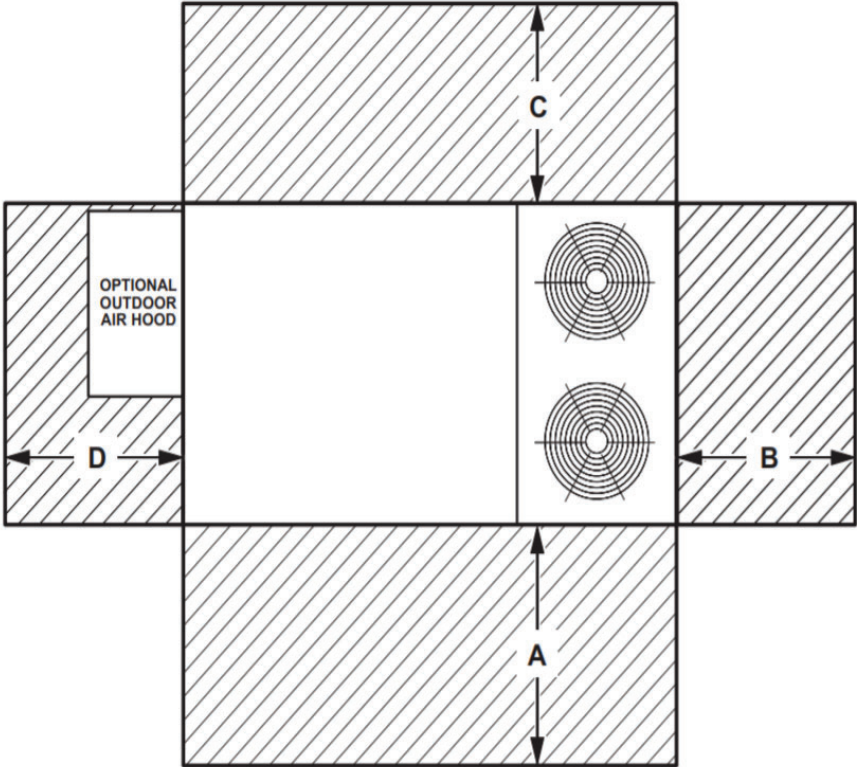




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Lennox National Accounts
Project Submittal

UNIT CLEARANCES



¹ Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	60	1524	36	914	36	914	60	1524	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
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 for clearance to combustible material.
Minimum Operation Clearance - Required clearance for proper unit operation.



PRMH20231131

Lennox National Accounts Project Submittal



ComfortSense®

4 Heat / 2 Cool Universal Multi-Stage



PRMH20231131

Lennox National Accounts Project Submittal

Tag: RTU-3 | Suite 2B
Model: LGT060H4E - LGT060H4E-Y 5T CONF S=17.1

UNIT OVERVIEW

Voltage	SEER EER	MCA/MOCP (amp)	Gross Cooling Ttl/Sens (MBH)	Net Cooling Ttl/Sens (MBH)	Supply Air Flow (cfm)	ESP/TSP (in.WC)	EAT DB/WB (°F)	LAT DB/WB (°F)
208V 3Ph 60Hz	17.1 12.8	31 / 40	59.6 / 46.3	56.3 / 43.0	2,000	1.00 / 1.22	80.0 / 67.0	58.0 / 57.2

COOLING

Cooling Performance			Temperatures (DB/WB °F)		
Gross Cooling (Ttl/Sens)	59.6 / 46.3 MBH	Ambient	99.0		
Net Cooling (Ttl/Sens)	56.3 / 43.0 MBH	Entering	80.0	67.0	
Coil Moisture Removal	12.59 lb/hr	Leaving – (Coil)	58.0	57.2	
System Moisture Removal	12.59 lb/hr	Leaving – (Unit)	59.6	57.8	

ARI Performance		Compressors		Refrigerant		Condensate Drain	
ARI Cooling	61.6 / 60.0 MBH	Cooling Stages	2.0	Type	R-410A	Qty	1
ARI Power	4,700 W	Compressor Qty	1	Charge	4 LBS. 13 OZ.	Size	1 in.
		Compressor RLA	14 amp			Pipe Thread	npt

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low)	48.0 / 37.0 MBH	Leaving	22.2	Heat Stages	2
Input (High/Low)	60.0 / 45.0 MBH			Thermal Efficiency	80.0%
Heat Rise	22.2 °F			Gas Line Size	0.5 in.
				Gas Pressure	7 in.WC

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply	2,000	Nominal Power	1.00 hp	Total	1.22
Outdoor	375	Required Power	1.04 hp	Ext Supply	1.00
	0	Drive Type	ECM Direct Drive		
		Required Watts	772 W		

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)

Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.10			0.05	0.07			

ELECTRICAL

Voltage	208V 3Ph / 60Hz	Compressor RLA	14.0 amp
MCA	31 amp	Cooling FLA Total	24.2 amp
MOCP	40 amp	Condenser FLA	2.8 amp
Condenser Power	350 W	Supply Fan FLA	7.4 amp
Oper Range-Nom Volt	+/- 10%		

ADDITIONAL DATA

Cabinet	85.25 in. x 47.00 in. x 46.88 in.	Total Weight	866 lb
Downflow Supply	20.0 in. x 18.0 in.	Base Unit Net Weight	630 lb
Downflow Return	29.0 in. x 11.0 in.	OAS/Econ Weight	131 lb
Filters	(4) 20.0 in. x 20.0 in. x 2.0 in.	Curb Weight	70 lb
Sound Rating	82 dBA		



PRMH20231131

Lennox National Accounts Project Submittal

Tag:

RTU-3 | Suite 2B

Factory Installed Options

Single Sensible High Performance Economizer
Direct Drive
Unit Orientation Downflow
Supply Fan: Multi-Speed ECM Direct Drive
208/220/230/240V 3Phase
80Amp Disconnect Factory Installed
Built-in BACnet IP and MS/TP (standard)
Supply Motor - 1.0 Hp ECM - Multi-Speed Direct Drive
Std Static Power Exhaust Fan
60K S.S. ULN0x (Dual Stage)
Hinged Access Doors Factory Installed
15A GFCI Factory Installed/Field Wired
Supply Air Smoke Detector Factory Installed
Environ Coil System Factory Installed
2" Pleat MERV13 - Filter Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
21Z21	1	Barometric Relief Dampers (for PE Kit) Field Installed
11F51	1	14" Downflow - Hybrid Curb Field Installed
13T03	1	Combination Coil/Hail Guards Field Installed
17G74	1	CS7500 Comm'l Programmable T-stat w/ FDD Field Installed
52W39	4	2" MERV13 - Filter Field Installed
X6523	4	CRP WIND SEISMIC RESTR BRKTS

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
Internal Pressure Relief Valve

Heating System

Redundant Automatic Gas Valve with Manual Shut-off
Electronic Flame Sensor
Direct Spark Ignition
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
Limited warranty on Lennox® CORE Control System of 3 years
Built-in BACnet IP & MS/TP

Compliance

All models are ASHRAE 90.1-2019 energy efficiency compliant and meet or exceed requirements of Section 6.8
All models meet DOE 2018 and 2023 energy efficiency standards
Model meets California Code of Regulations, Title 24 and ASHRAE 90.1-2016 Section 6.4.3.10 requirements for staged airflow



PRMH20231131

Lennox National Accounts Project Submittal

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 High Performance Economizer of 5 years
Limited warranty on all other components of 1 year
See Limited Warranty Certificate included with unit for details

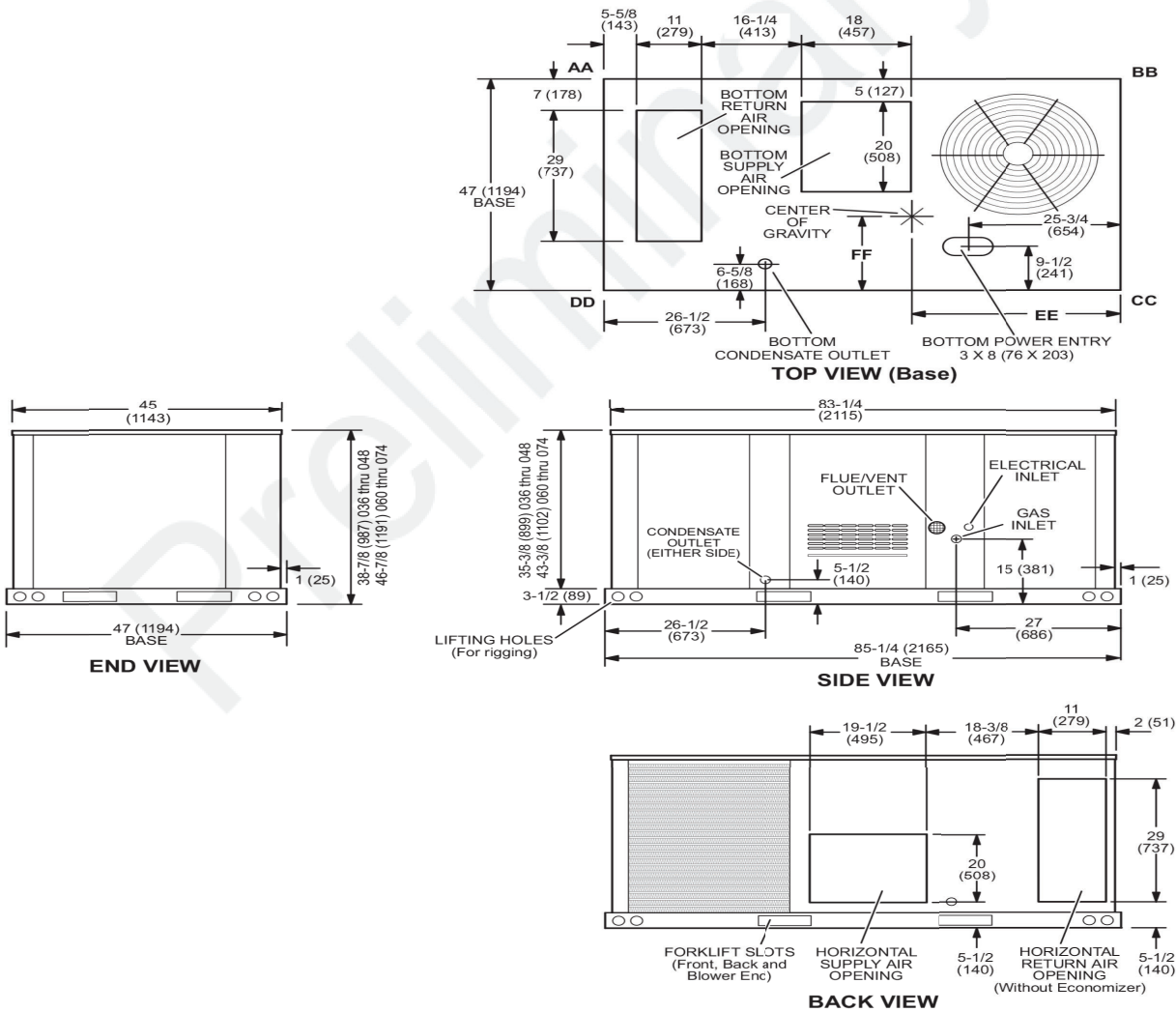
Preliminary



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Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
131	168	161	207	220	283	179	230	38.25	39.75	19.88	19.88

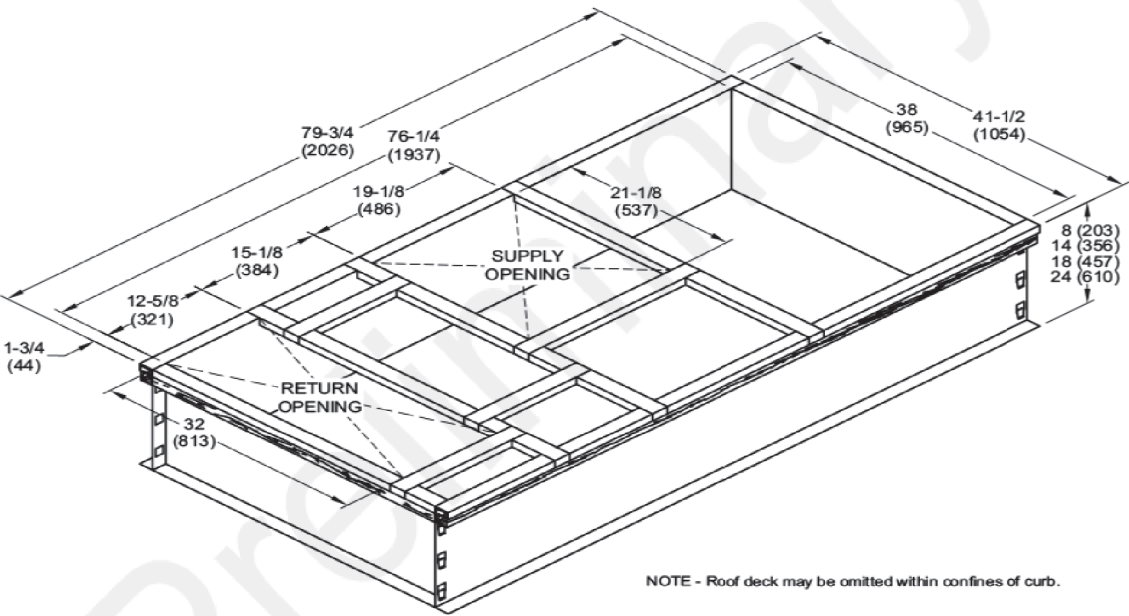




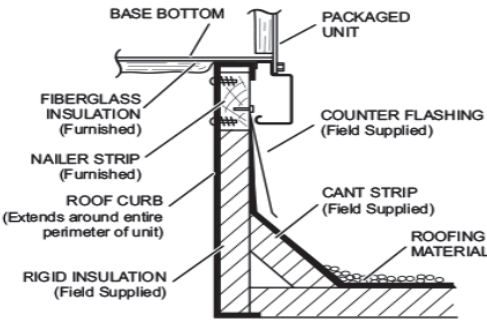
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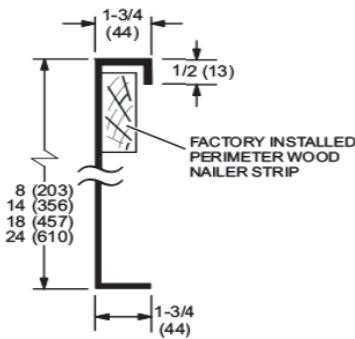
HYBRID ROOF CURBS - DOUBLE DUCT OPENING



TYPICAL FLASHING DETAIL FOR ROOF CURB



DETAIL ROOF CURB

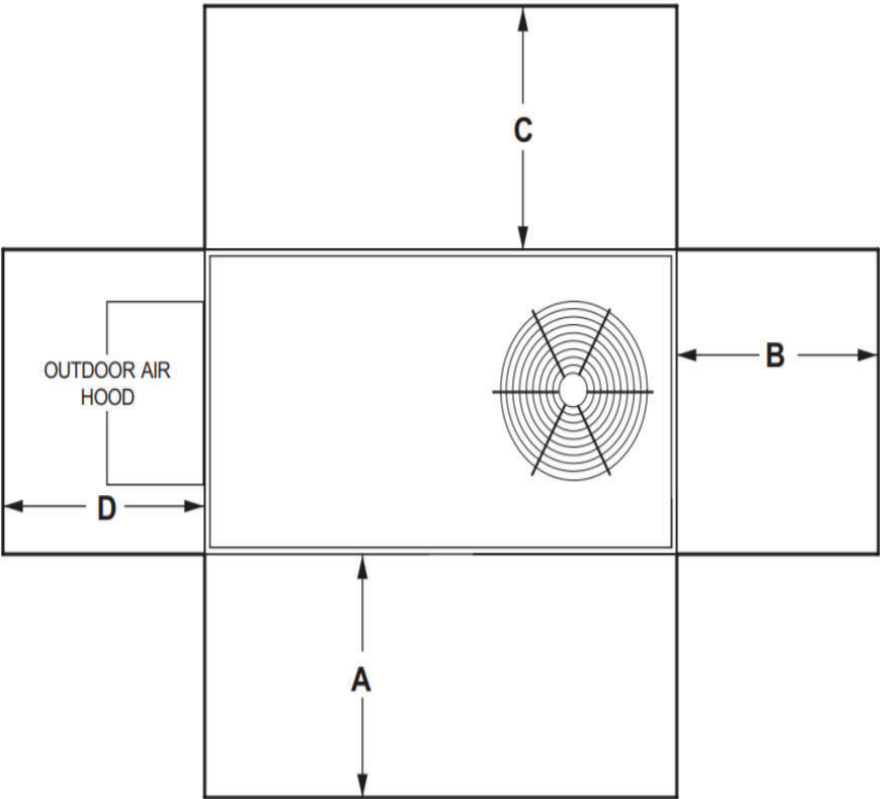




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Lennox National Accounts
Project Submittal

UNIT CLEARANCES



¹ Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	48	1219	36	914	36	934	36	914	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
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.



PRMH20231131

Lennox National Accounts Project Submittal



ComfortSense®

4 Heat / 2 Cool Universal Multi-Stage



PRMH20231131

Lennox National Accounts Project Submittal

Tag:

RTU-4 | Suite 2C

Model:

LGT060H4E - LGT060H4E-Y 5T CONF S=17.1

UNIT OVERVIEW

Voltage	SEER EER	MCA/MOCP (amp)	Gross Cooling Ttl/Sens (MBH)	Net Cooling Ttl/Sens (MBH)	Supply Air Flow (cfm)	ESP/TSP (in.WC)	EAT DB/WB (°F)	LAT DB/WB (°F)
208V 3Ph 60Hz	17.1 12.8	31 / 40	59.6 / 46.3	56.3 / 43.0	2,000	1.00 / 1.22	80.0 / 67.0	58.0 / 57.2

COOLING

Cooling Performance			Temperatures (DB/WB °F)		
Gross Cooling (Ttl/Sens)	59.6 / 46.3 MBH	Ambient	99.0		
Net Cooling (Ttl/Sens)	56.3 / 43.0 MBH	Entering	80.0	67.0	
Coil Moisture Removal	12.59 lb/hr	Leaving – (Coil)	58.0	57.2	
System Moisture Removal	12.59 lb/hr	Leaving – (Unit)	59.6	57.8	
ARI Performance		Compressors		Refrigerant	
ARI Cooling	61.6 / 60.0 MBH	Cooling Stages	2.0	Type	R-410A
ARI Power	4,700 W	Compressor Qty	1	Charge	4 LBS. 13 OZ.
		Compressor RLA	14 amp		
					Condensate Drain
					Qty 1
					Size 1 in.
					Pipe Thread npt

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low)	48.0 / 37.0 MBH	Leaving	22.2	Heat Stages	2
Input (High/Low)	60.0 / 45.0 MBH			Thermal Efficiency	80.0%
Heat Rise	22.2 °F			Gas Line Size	0.5 in.
				Gas Pressure	7 in.WC

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply	2,000	Nominal Power	1.00 hp	Total	1.22
Outdoor	400	Required Power	1.04 hp	Ext Supply	1.00
	0	Drive Type	ECM Direct Drive		
		Required Watts	772 W		

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)

Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.10			0.05	0.07			

ELECTRICAL

Voltage	208V 3Ph / 60Hz	Compressor RLA	14.0 amp
MCA	31 amp	Cooling FLA Total	24.2 amp
MOCP	40 amp	Condenser FLA	2.8 amp
Condenser Power	350 W	Supply Fan FLA	7.4 amp
Oper Range-Nom Volt	+/- 10%		

ADDITIONAL DATA

Cabinet	85.25 in. x 47.00 in. x 46.88 in.	Total Weight	866 lb
Downflow Supply	20.0 in. x 18.0 in.	Base Unit Net Weight	630 lb
Downflow Return	29.0 in. x 11.0 in.	OAS/Econ Weight	131 lb
Filters	(4) 20.0 in. x 20.0 in. x 2.0 in.	Curb Weight	70 lb
Sound Rating	82 dBA		



PRMH20231131

Lennox National Accounts Project Submittal

Tag:

RTU-4 | Suite 2C

Factory Installed Options

Single Sensible High Performance Economizer
 Direct Drive
 Unit Orientation Downflow
 Supply Fan: Multi-Speed ECM Direct Drive
 208/220/230/240V 3Phase
 80Amp Disconnect Factory Installed
 Built-in BACnet IP and MS/TP (standard)
 Supply Motor - 1.0 Hp ECM - Multi-Speed Direct Drive
 Std Static Power Exhaust Fan
 60K S.S. ULN0x (Dual Stage)
 Hinged Access Doors Factory Installed
 15A GFCI Factory Installed/Field Wired
 Supply Air Smoke Detector Factory Installed
 Environ Coil System Factory Installed
 Drain Pan Overflow Switch Factory Installed
 2" Pleat MERV13 - Filter Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
21Z21	1	Barometric Relief Dampers (for PE Kit) Field Installed
11F51	1	14" Downflow - Hybrid Curb Field Installed
13T03	1	Combination Coil/Hail Guards Field Installed
17G74	1	CS7500 Comm'l Programmable T-stat w/ FDD Field Installed
52W39	4	2" MERV13 - Filter Field Installed
X6523	4	CRP WIND SEISMIC RESTR BRKTS

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
 Internal Pressure Relief Valve

Heating System

Redundant Automatic Gas Valve with Manual Shut-off
 Electronic Flame Sensor
 Direct Spark Ignition
 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
 Limited warranty on Lennox® CORE Control System of 3 years
 Built-in BACnet IP & MS/TP

Compliance

All models are ASHRAE 90.1-2019 energy efficiency compliant and meet or exceed requirements of Section 6.8
 All models meet DOE 2018 and 2023 energy efficiency standards



PRMH20231131

Lennox National Accounts Project Submittal

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

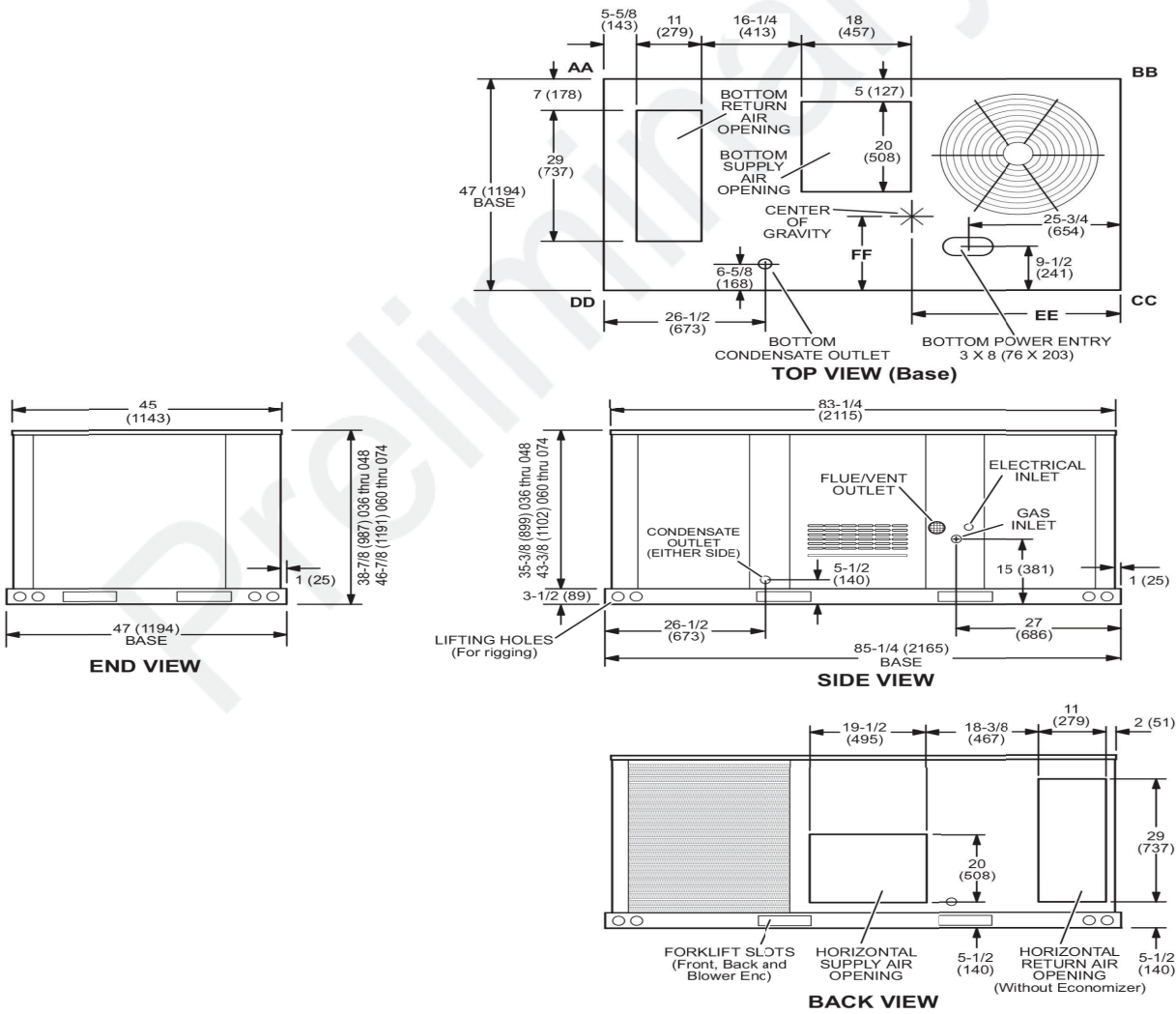
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Limited warranty on High Performance Economizer of 5 years
Limited warranty on all other components of 1 year
See Limited Warranty Certificate included with unit for details



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Lennox National Accounts
Project Submittal

Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
131	168	161	207	220	283	179	230	38.25	39.75	19.88	19.88

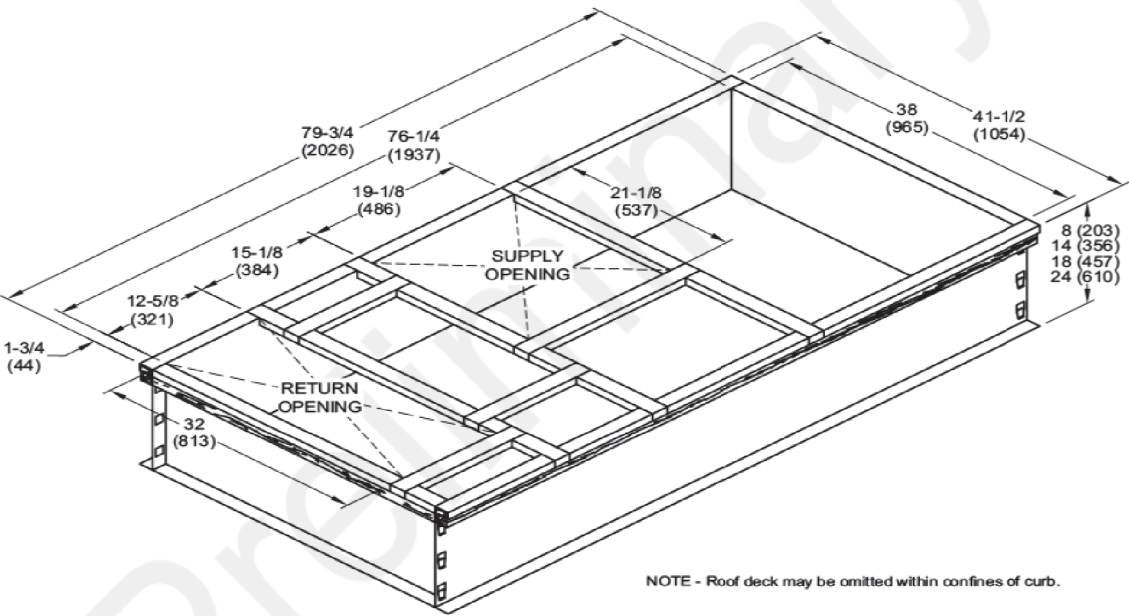




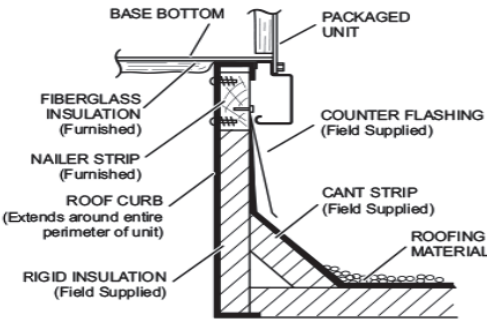
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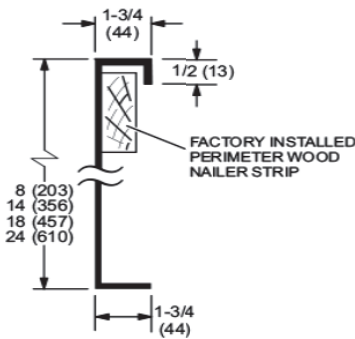
HYBRID ROOF CURBS - DOUBLE DUCT OPENING



TYPICAL FLASHING DETAIL FOR ROOF CURB



DETAIL ROOF CURB

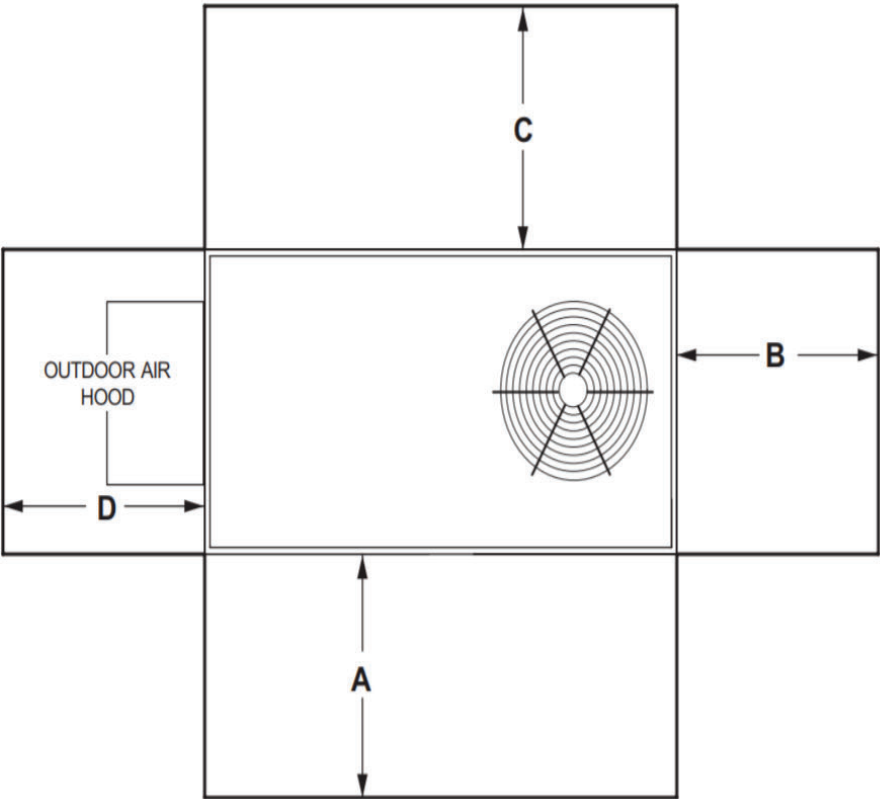




PRMH20231131

Lennox National Accounts
Project Submittal

UNIT CLEARANCES



¹ Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	48	1219	36	914	36	934	36	914	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
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.



PRMH20231131

Lennox National Accounts Project Submittal



ComfortSense®

4 Heat / 2 Cool Universal Multi-Stage



PRMH20231131

Lennox National Accounts Project Submittal

Tag: RTU-5 | Suite 2D
Model: LGT048H4E - LGT048H4E-Y 4T CONF S=17.6

UNIT OVERVIEW

Voltage	SEER EER	MCA/MOCP (amp)	Gross Cooling Ttl/Sens (MBH)	Net Cooling Ttl/Sens (MBH)	Supply Air Flow (cfm)	ESP/TSP (in.WC)	EAT DB/WB (°F)	LAT DB/WB (°F)
208V 3Ph 60Hz	17.6 12.8	25 / 35	53.1 / 40.8	50.7 / 38.4	1,600	1.00 / 1.17	80.0 / 67.0	55.8 / 55.8

COOLING

Cooling Performance			Temperatures (DB/WB °F)		
Gross Cooling (Ttl/Sens)	53.1 / 40.8 MBH	Ambient	99.0		
Net Cooling (Ttl/Sens)	50.7 / 38.4 MBH	Entering	80.0	67.0	
Coil Moisture Removal	11.60 lb/hr	Leaving – (Coil)	55.8	55.8	
System Moisture Removal	11.60 lb/hr	Leaving – (Unit)	57.2	56.5	
ARI Performance		Compressors		Refrigerant	Condensate Drain
ARI Cooling	50.1 / 49.0 MBH	Cooling Stages	2.0	Type	Qty
ARI Power	3,800 W	Compressor Qty	1	Charge	Size
		Compressor RLA	11.7 amp	R-410A 5 LBS. 4 OZ.	1 in. Pipe Thread npt

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low)	48.0 / 37.0 MBH	Leaving	27.8	Heat Stages	2
Input (High/Low)	60.0 / 45.0 MBH			Thermal Efficiency	80.0%
Heat Rise	27.8 °F			Gas Line Size	0.5 in.
				Gas Pressure	7 in.WC

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply	1,600	Nominal Power	1.00 hp	Total	1.17
Outdoor	350	Required Power	0.73 hp	Ext Supply	1.00
	0	Drive Type	ECM Direct Drive		
		Required Watts	540 W		

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)

Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.06			0.04	0.07			

ELECTRICAL

Voltage	208V 3Ph / 60Hz	Compressor RLA	11.7 amp
MCA	25 amp	Cooling FLA Total	21.9 amp
MOCP	35 amp	Condenser FLA	2.8 amp
Condenser Power	300 W	Supply Fan FLA	7.4 amp
Oper Range-Nom Volt	+/- 10%		

ADDITIONAL DATA

Cabinet	85.25 in. x 47.00 in. x 46.88 in.	Total Weight	831 lb
Downflow Supply	20.0 in. x 18.0 in.	Base Unit Net Weight	630 lb
Downflow Return	29.0 in. x 11.0 in.	OAS/Econ Weight	131 lb
Filters	(4) 20.0 in. x 20.0 in. x 2.0 in.	Curb Weight	70 lb
Sound Rating	75 dBA		



PRMH20231131

Lennox National Accounts Project Submittal

Tag:

RTU-5 | Suite 2D

Factory Installed Options

Single Sensible High Performance Economizer
 Direct Drive
 Unit Orientation Downflow
 Supply Fan: Multi-Speed ECM Direct Drive
 208/220/230/240V 3Phase
 80Amp Disconnect Factory Installed
 Built-in BACnet IP and MS/TP (standard)
 Supply Motor - 1.0 Hp ECM - Multi-Speed Direct Drive
 Barometric Relief Damper (Fac)
 60K S.S. ULN0x (Dual Stage)
 Hinged Access Doors Factory Installed
 15A GFCI Factory Installed/Field Wired
 Supply Air Smoke Detector Factory Installed
 Environ Coil System Factory Installed
 Drain Pan Overflow Switch Factory Installed
 2" Pleat MERV13 - Filter Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
11F51	1	14" Downflow - Hybrid Curb Field Installed
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17G74	1	CS7500 Comm'I Programmable T-stat w/ FDD Field Installed
52W39	4	2" MERV13 - Filter Field Installed
X6523	4	CRP WIND SEISMIC RESTR BRKTS

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
 Internal Pressure Relief Valve

Heating System

Redundant Automatic Gas Valve with Manual Shut-off
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 Direct Spark Ignition
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Fan and Limit Controls
 Overload Protection
 Microprocessor Controls – Lennox® CORE Control System
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PRMH20231131

Lennox National Accounts Project Submittal

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Limited warranty on compressor of 5 years
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Limited warranty on High Performance Economizer of 5 years
Limited warranty on all other components of 1 year
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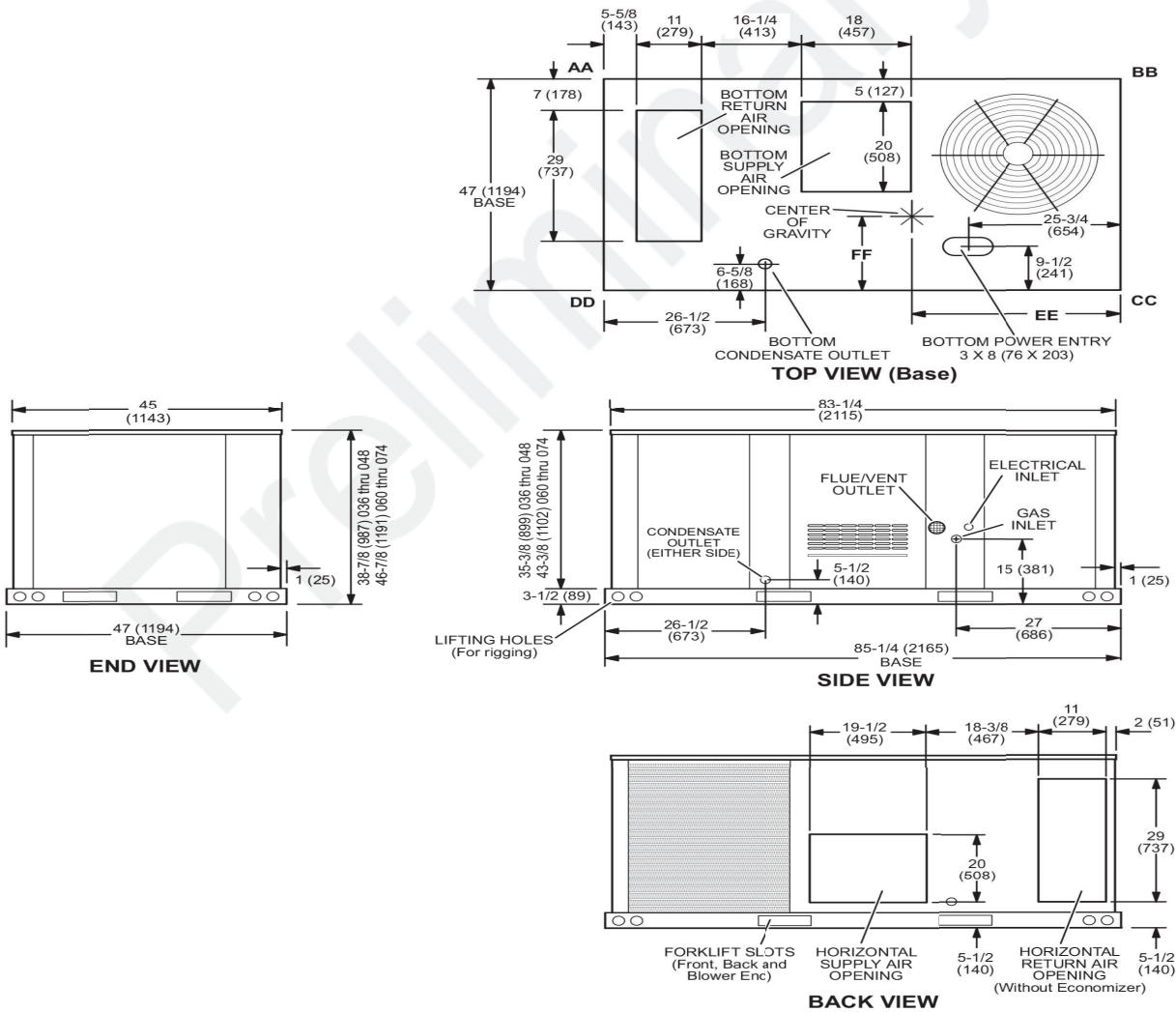
Preliminary



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Lennox National Accounts Project Submittal

Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
131	168	161	207	220	283	179	230	38.25	39.75	19.88	19.88

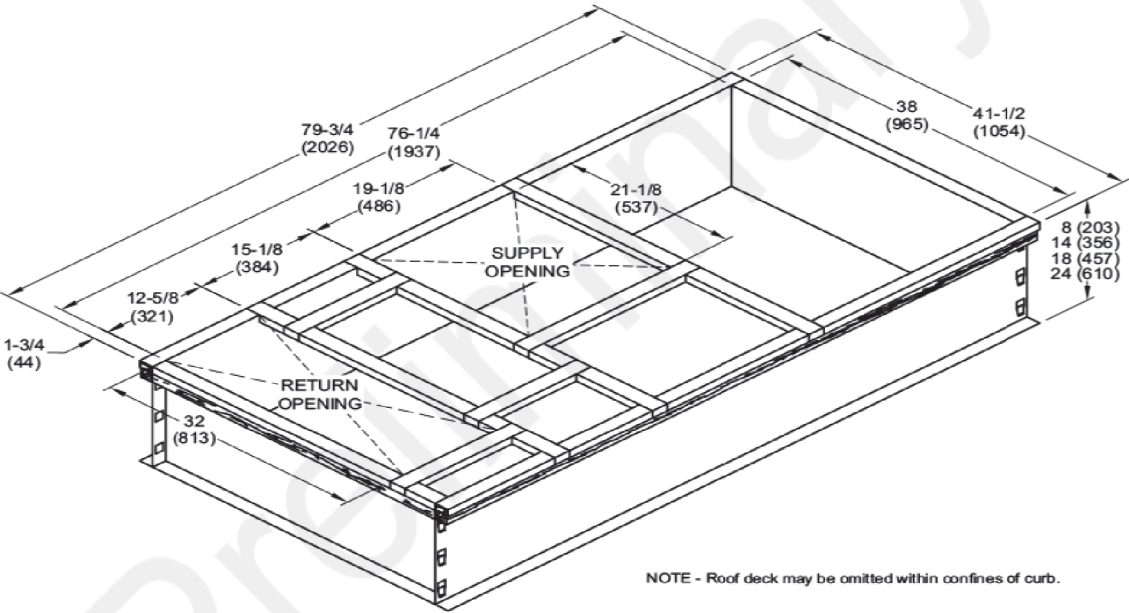




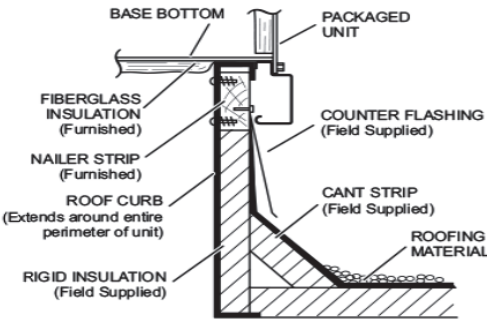
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Lennox National Accounts Project Submittal

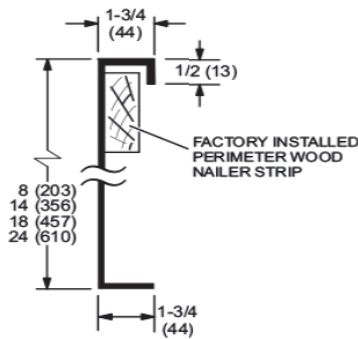
HYBRID ROOF CURBS - DOUBLE DUCT OPENING



TYPICAL FLASHING DETAIL FOR ROOF CURB



DETAIL ROOF CURB

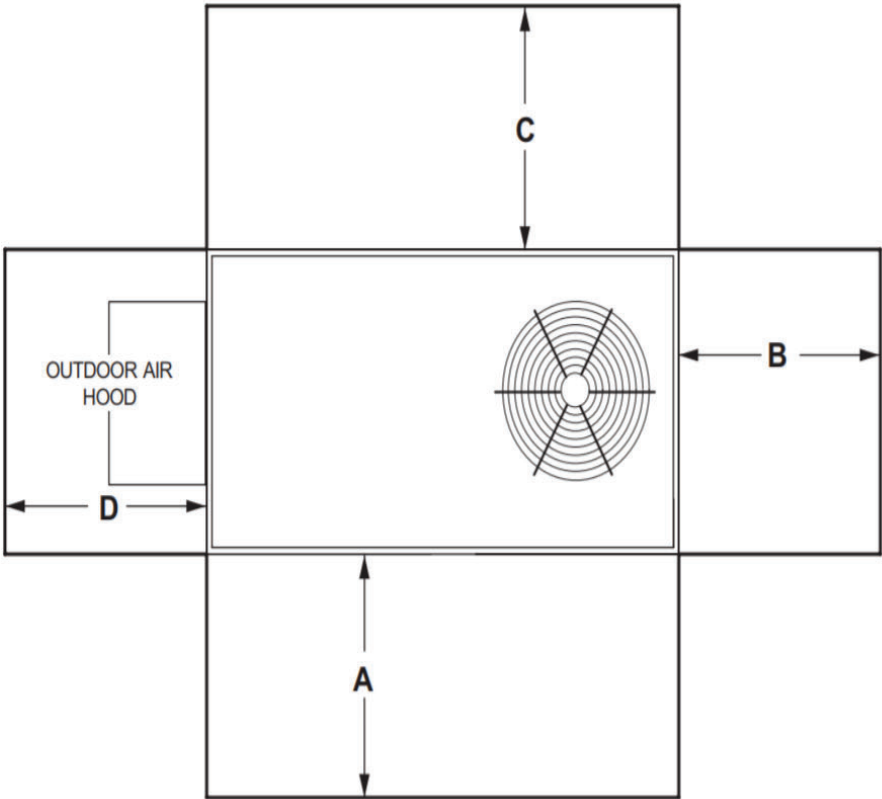




PRMH20231131

Lennox National Accounts
Project Submittal

UNIT CLEARANCES



¹ Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	48	1219	36	914	36	934	36	914	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
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.



PRMH20231131

Lennox National Accounts Project Submittal



ComfortSense®

4 Heat / 2 Cool Universal Multi-Stage



PRMH20231131

Lennox National Accounts Project Submittal

Tag:

RTU-6 | Suite 2E

Model:

KGA092H4M - KGA092H4M-Y 7.5T CONF E=12.5

UNIT OVERVIEW

Voltage	IEER EER	MCA/MOCP (amp)	Gross Cooling Ttl/Sens (MBH)	Net Cooling Ttl/Sens (MBH)	Supply Air Flow (cfm)	ESP/TSP (in.WC)	EAT DB/WB (°F)	LAT DB/WB (°F)
208V 3Ph 60Hz	14 12.5	45 / 50	91.1 / 67.6	85.5 / 62.0	3,000	1.00 / 1.34	80.0 / 67.0	58.6 / 57.0

COOLING

Cooling Performance			Temperatures (DB/WB °F)		
Gross Cooling (Ttl/Sens)	91.1 / 67.6 MBH	Ambient	99.0		
Net Cooling (Ttl/Sens)	85.5 / 62.0 MBH	Entering	80.0	67.0	
Coil Moisture Removal	22.15 lb/hr	Leaving – (Coil)	58.6	57.0	
System Moisture Removal	22.15 lb/hr	Leaving – (Unit)	60.4	57.7	

ARI Performance		Compressors		Refrigerant		Condensate Drain	
ARI Cooling	93.0 / 90.0 MBH	Cooling Stages	2	Type	R-410A	Qty	1
ARI Power	7,200 W	Compressor Qty	2	Charge	12 LBS. 13 OZ.	Size	1 in.
		Compressor RLA	26.2 amp			Pipe Thread	npt

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low)	104.0 / 67.5 MBH	Leaving	32.1	Heat Stages	2
Input (High/Low)	130.0 / 84.5 MBH			Thermal Efficiency	80.0%
Heat Rise	32.1 °F			Gas Line Size	0.75 in.
				Gas Pressure	7 in.WC

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply	3,000	Nominal Power	2.00 hp	Total	1.34
Outdoor	615	Required Power	1.76 hp	Ext Supply	1.00
		Drive Type	MSAV Belt Drive		
		RPM Range	800 - 1,105 rpm		
		Required RPM	939 rpm		

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)

Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.10		0.11	0.13				

ELECTRICAL

Voltage	208V 3Ph / 60Hz	Compressor RLA	26.2 amp
MCA	45 amp	Cooling FLA Total	38.5 amp
MOCP	50 amp	Condenser FLA	4.8 amp
Condenser Power	800 W	Supply Fan FLA	7.5 amp
Oper Range-Nom Volt	+/- 10%		

ADDITIONAL DATA

Cabinet	101.25 in. x 60.12 in. x 46.88 in.	Total Weight	1,278 lb
Downflow Supply	20.0 in. x 28.0 in.	Base Unit Net Weight	1,110 lb
Downflow Return	24.0 in. x 27.0 in.	OAS/Econ Weight	83 lb
Filters	(4) 20.0 in. x 25.0 in. x 2.0 in.	Curb Weight	85 lb
Sound Rating	88 dBA		



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Tag:

RTU-6 | Suite 2E

Factory Installed Options

High Performance Economizer Upgrade Factory Installed
 Single Sensible Economizer
 Standard Cap, Std Packaging
 Unit Orientation Downflow
 Supply Fan: MSAV Belt Drive
 208/220/230/240V 3Phase
 80Amp Disconnect Factory Installed
 Supply Motor - 2.0 Hp Std- w/ MSAV
 Supply Drive Kit 2 (800-1105 RPM)
 130K A.S. (Dual Stage)
 GFCI Factory Installed/Field Wired
 Phase Monitor Factory Installed
 Environ Coil System Factory Installed
 2" MERV4 - Std. Filter Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
53W44	1	Power Exhaust Fan Field Installed
11F55	1	14" Downflow - Hybrid Curb Field Installed
13T05	1	Combination Coil/Hail Guards Field Installed
17G74	1	CS7500 Comm'l Programmable T-stat w/ FDD Field Installed
11K76	1	Supply OR Return Smoke Detector Field Installed
74W42	1	Drain Pan Overflow Switch Field Installed
52W41	4	2" MERV13 - Filter Field Installed
X6523	4	CRP WIND SEISMIC RESTR BRKTS

Product Features

Cabinet

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 30°F to 125°F without any additional controls
 Pre-charged Refrigeration System
 Internal Pressure Relief Valve
 Thermostat Control – 2 Stages of Cooling

Heating System

Redundant Automatic Gas Valve with Manual Shut-off
 Electronic Flame Sensor
 Direct Spark Ignition
 Aluminized Steel 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

Warranty

Limited warranty on aluminized heat exchanger of 10 years
 Limited warranty on compressor of 5 years
 Limited warranty on Environ Coil System of 3 years
 Limited warranty on High Performance Economizer of 5 years



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Limited warranty on all other components of 1 year
See Limited Warranty Certificate included with unit for details

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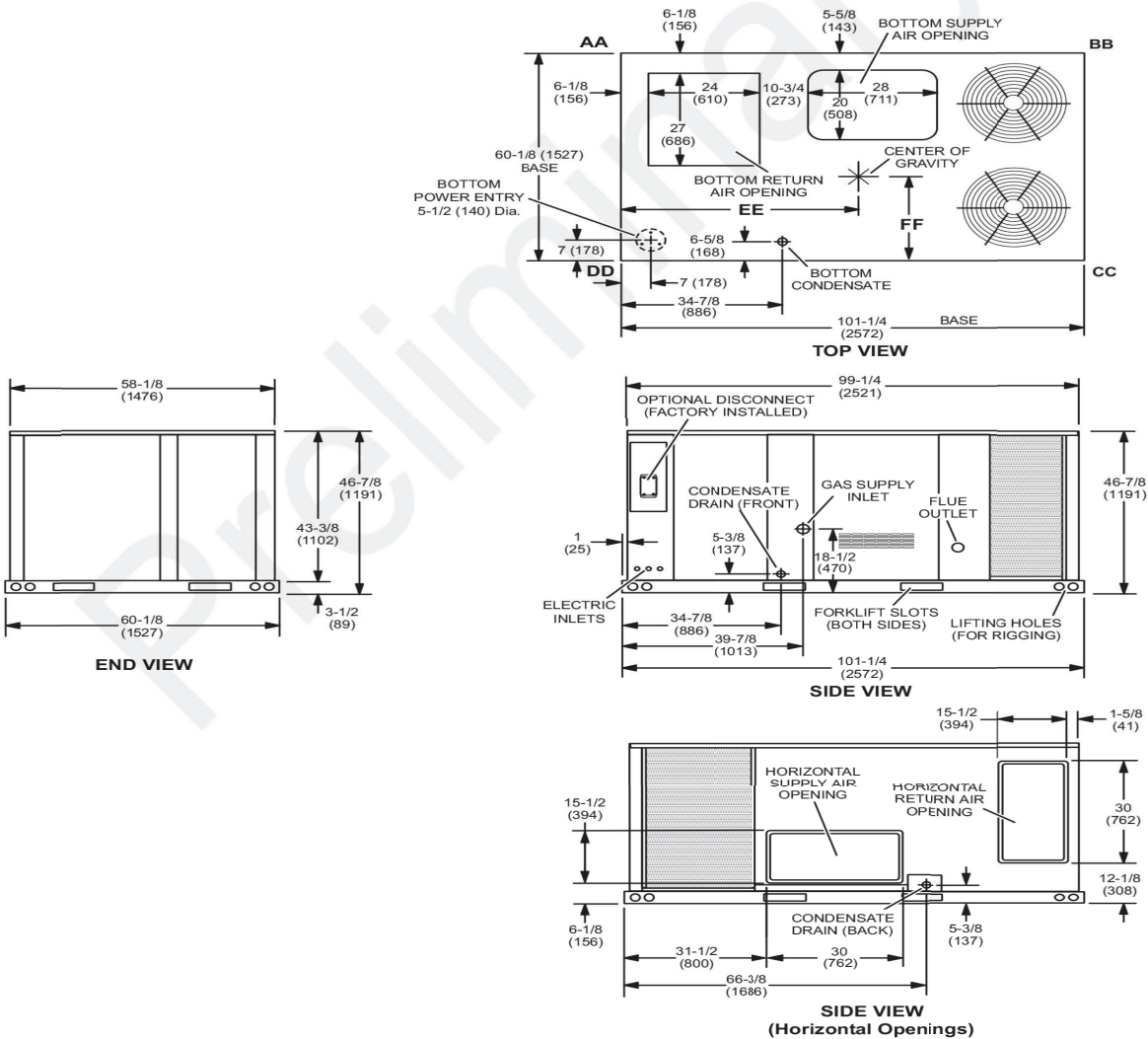
Preliminary



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Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
282	328	241	272	261	290	316	361	44.50	43.50	24.50	25.50

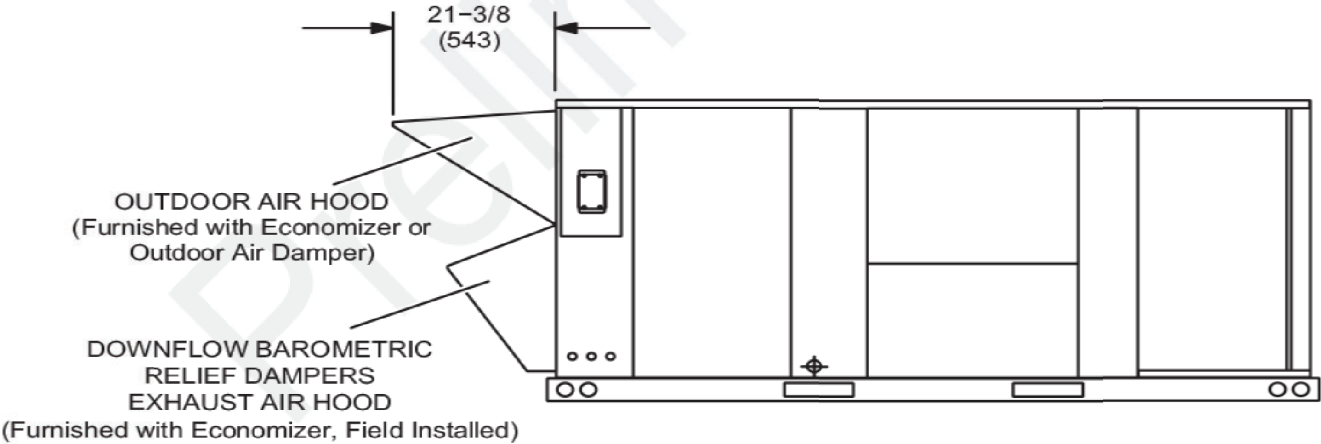




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OUTDOOR AIR HOOD DETAIL

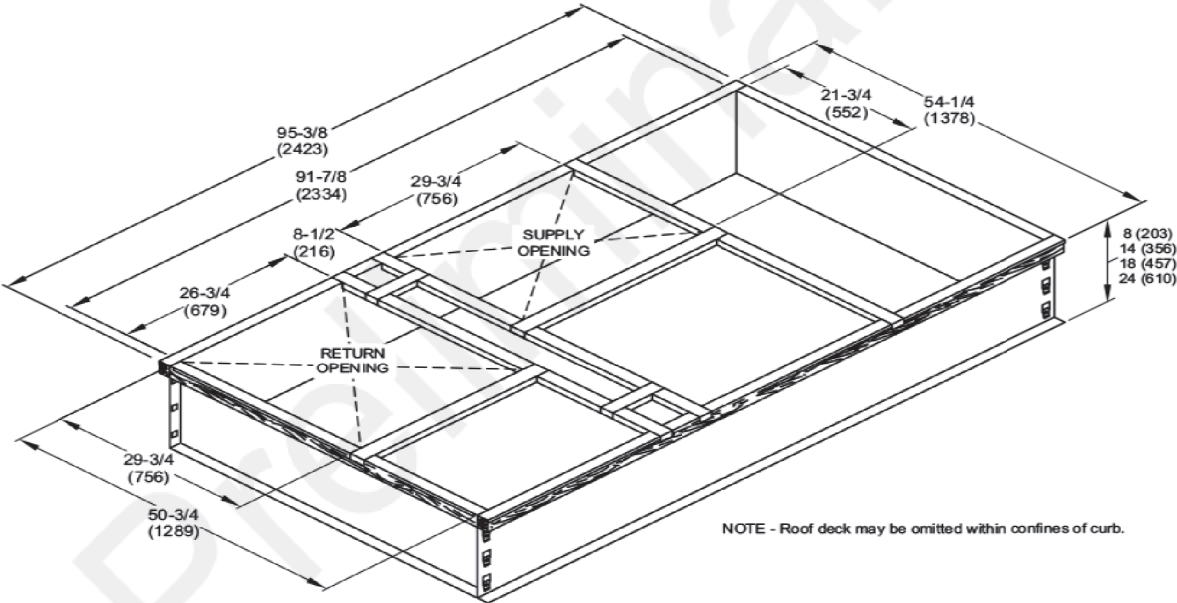




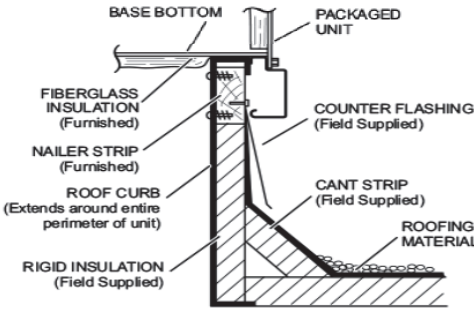
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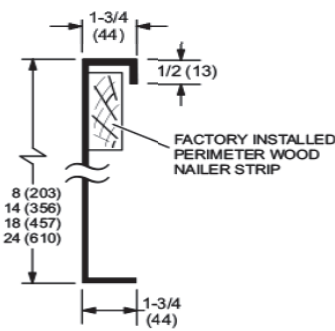
HYBRID ROOF CURBS - DOUBLE DUCT OPENING



TYPICAL FLASHING DETAIL FOR ROOF CURB



DETAIL ROOF CURB

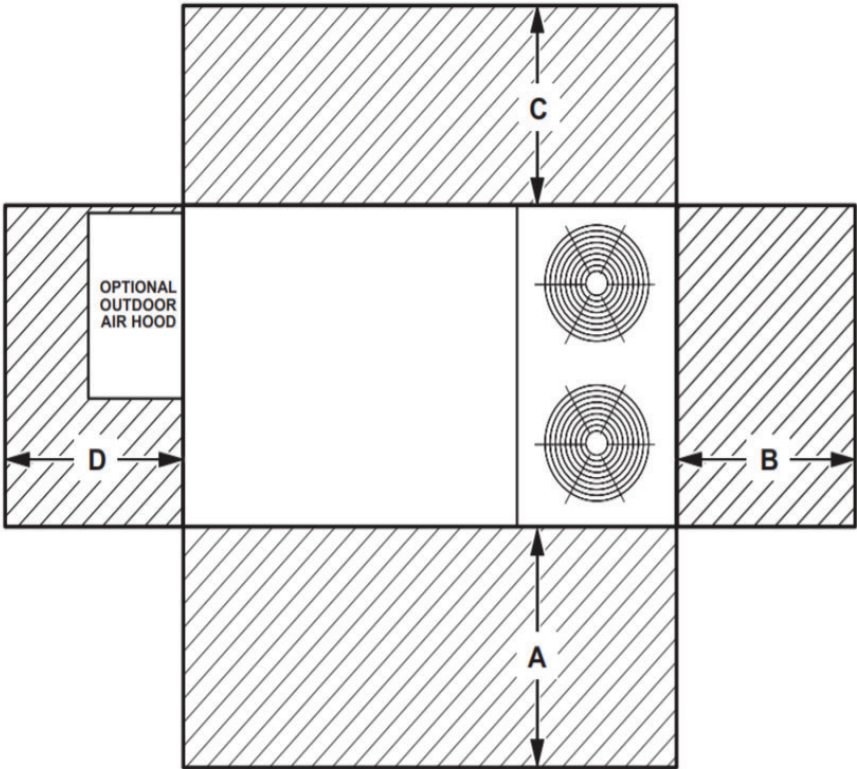




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UNIT CLEARANCES



¹ Unit Clearance	A		B		C		D		Top Clearance
	in.	mm	in.	mm	in.	mm	in.	mm	
Service Clearance	60	1524	36	914	36	914	60	1524	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
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 for clearance to combustible material.
Minimum Operation Clearance - Required clearance for proper unit operation.



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ComfortSense®

4 Heat / 2 Cool Universal Multi-Stage