



Lennox National Accounts Project Submittal

Project Name: Advance Auto Parts SLIPPERYROCK, PA
Project Number: 1122025
Project Altitude: 1289
Project Location:
221 GROVE CITY RD
SLIPPERYROCK, Pennsylvania US

Date: 6/8/2026
Quote: 740451
Roof Top Units: 3
Split Systems: 0

Customer: Zone Comm Philadelphia
National Account: Advance Auto Parts

Table of Contents

Tag	Qty	Model	Description
<u>RTU - 1</u>	1	LGT060H5E	LGT060H5E-Y 5T
<u>RTU-2, 3</u>	2	LGT120H5E	LGT120H5E-Y 10T

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

AutoCAD® Templates - [Click here](#)

Point One Design, LTD.

- ☒ NO EXCEPTION TAKEN
- ☐ MAKE CORRECTIONS NOTED
- ☐ REVISE AND RESUBMIT
- ☐ REVIEWED
- ☐ REJECTED



DISCLAIMER

Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any action shown is subject to the requirements of the plans and specifications. Contractor is responsible for dimensions which shall be confirmed and correlated at the job site; fabrication processes and techniques of construction; coordination of his work with that of all other trades; and the satisfactory performance of his work.

COMMENTS

BY Lewis W. Clarke

DATE 6/9/2026



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Tag:

RTU - 1

Model:

LGT060H5E - LGT060H5E-Y 5T

UNIT OVERVIEW

Voltage	AHRI SEER2 EER2	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	16.4 12.5	26 / 35	65.2 / 48.4	60.9 / 44.1	1,950	1.00 / 1.20	80.0 / 67.0	55.3 / 55.3

COOLING

Cooling Performance		Temperatures (DB/WB °F)	
Gross Cooling (Ttl/Sens)	65.2 / 48.4 MBH	Ambient	95.0
Net Cooling (Ttl/Sens)	60.9 / 44.1 MBH	Entering	80.0 67.0
Coil Moisture Removal	15.83 lb/hr	Total Leaving – (Coil)	55.3 55.3
System Moisture Removal	15.83 lb/hr	Total Leaving – (Unit)	57.5 56.5

ARI Performance		Compressors		Refrigerant		Condensate Drain	
AHRI Cooling	61.6 / 60.0 MBH	Cooling Stages	2.0	Type	R-454B	Qty	1
AHRI Power	4,600 W	Compressor Qty	1	Charge	4 LBS. 14 OZ.	Size	1 in.
		Compressor RLA	12.4 amp			Pipe Thread	npt

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low)	121.0 / 92.0 MBH	Gas Heat Rise	57.0	Heat Stages	2
Input (High/Low)	150.0 / 113.0 MBH	Total Leaving	57.0	Thermal Efficiency NOX	81.0%
				Gas Line Size	0.5 in.
				Gas Pressure	7 in.WC

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply	1,950	Nominal Power	1.00 hp	Total	1.20
		Required Power	1.35 hp	Ext Supply	1.00
		Drive Type	ECM Direct Drive		
		Required Watts	1,003 W		
		Motor Torque	86		

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)

Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.10		0.06	0.05				

ELECTRICAL

Voltage	208V 3Ph / 60Hz	Compressor RLA	12.4 amp
MCA	26 amp	Condenser FLA	2.8 amp
MOCP	35 amp	Supply Fan FLA	7.4 amp
Oper Range-Nom Volt	+/- 10%	Cooling FLA Total	22.6 amp

ADDITIONAL DATA

Cabinet	85.25 in. x 47.00 in. x 46.88 in.	Total Weight	872 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	84 lb
Filters	(4) 20.0 in. x 20.0 in. x 2.0 in.	Gas Heat Weight	19 lb
Sound Rating	82 dBA	Coil/Hail Guard Weight	31 lb
		Curb Weight	108 lb



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Tag:

RTU - 1

Factory Installed Options

High Performance Economizer Factory Installed
Single Enthalpy High Performance Economizer
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 - 1.0 Hp ECM - Multi-Speed Direct Drive
Barometric Relief Damper Factory Installed
150K 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
Return Air Smoke Detector Factory Installed
Environ Evaporator and Condenser Coil System Factory Installed
2" MERV4 - Std. Filter Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
19W50	1	Bottom Gas Piping Kit Field Installed
11F51	1	14" Downflow - Hybrid Curb Field Installed
22H54	1	PVC Drain Trap Field Installed
54W21	4	2" MERV8 - Filter 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

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



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Refrigerant Detection System (RDS) and mitigation response, per UL safety standard 60335-2-40

Approvals and Compliance

Components are bonded for grounding to meet safety standards for servicing required by ETL, NEC and CEC

All models are fully charged and run tested to verify unit operation and functionality

All models have HCAI (formerly OSHPD) OSP and Special Seismic Certification (Number: OSP-0596), and meet 2021 International Building Code (IBC), 2022

California Building Code (CBC) ASCE 7, and ICC-ES AC156

ISO 9001 Registered Manufacturing Quality System

Only refrigerants in compliance with New York State regulations can be used in the state of New York

All 2-5 ton models are AHRI Standard 210/240-2024 certified

ENERGY STAR® certified (certain models)

ETL and CSA listed

All models are ASHRAE 90.1-2025 compliant

All models meet DOE 2023 energy efficiency standards

All models are listed to UL 60335-1 and UL 60335-2-40 and meet the Refrigerant Detection and Dissipation Requirements

All models have been sound tested in accordance with test conditions included in AHRI Standard 270 or 370

All models have FSA approval and are compliant with standard ASCE 7-22 (ASD) and the Florida Building Code Eighth Edition (2023)

Units are charged with virgin refrigerant to comply with NYCRR Part 494

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

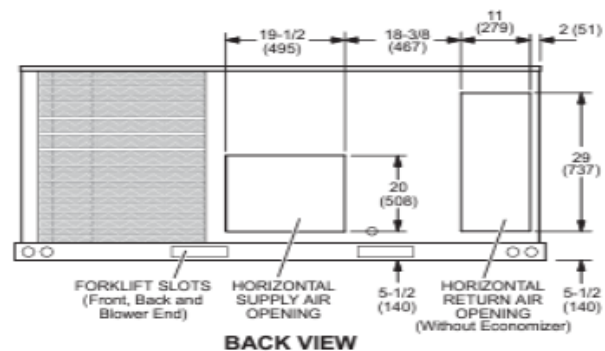
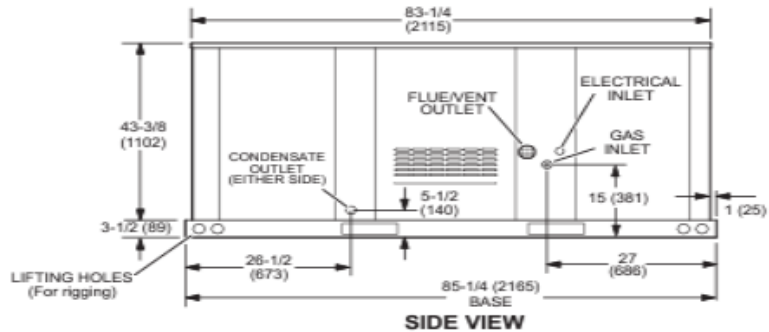
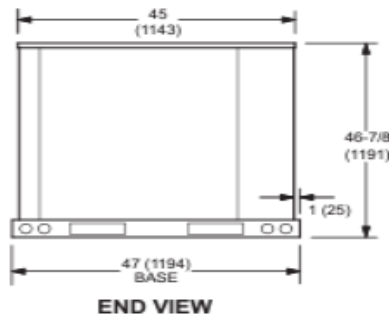
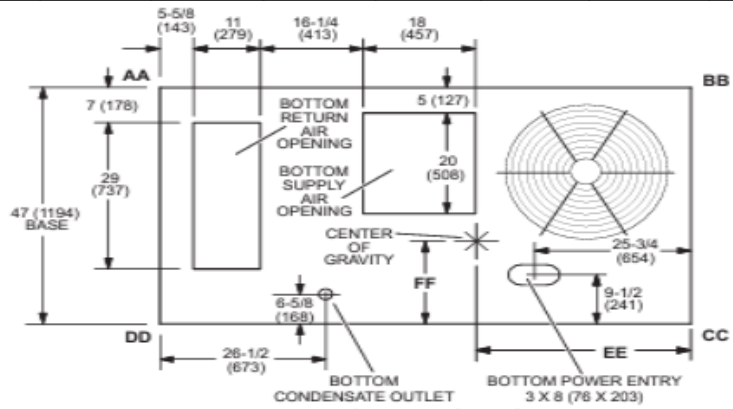
Limited warranty on Lennox® CORE Control System of 3 years

See Limited Warranty Certificate included with unit for details



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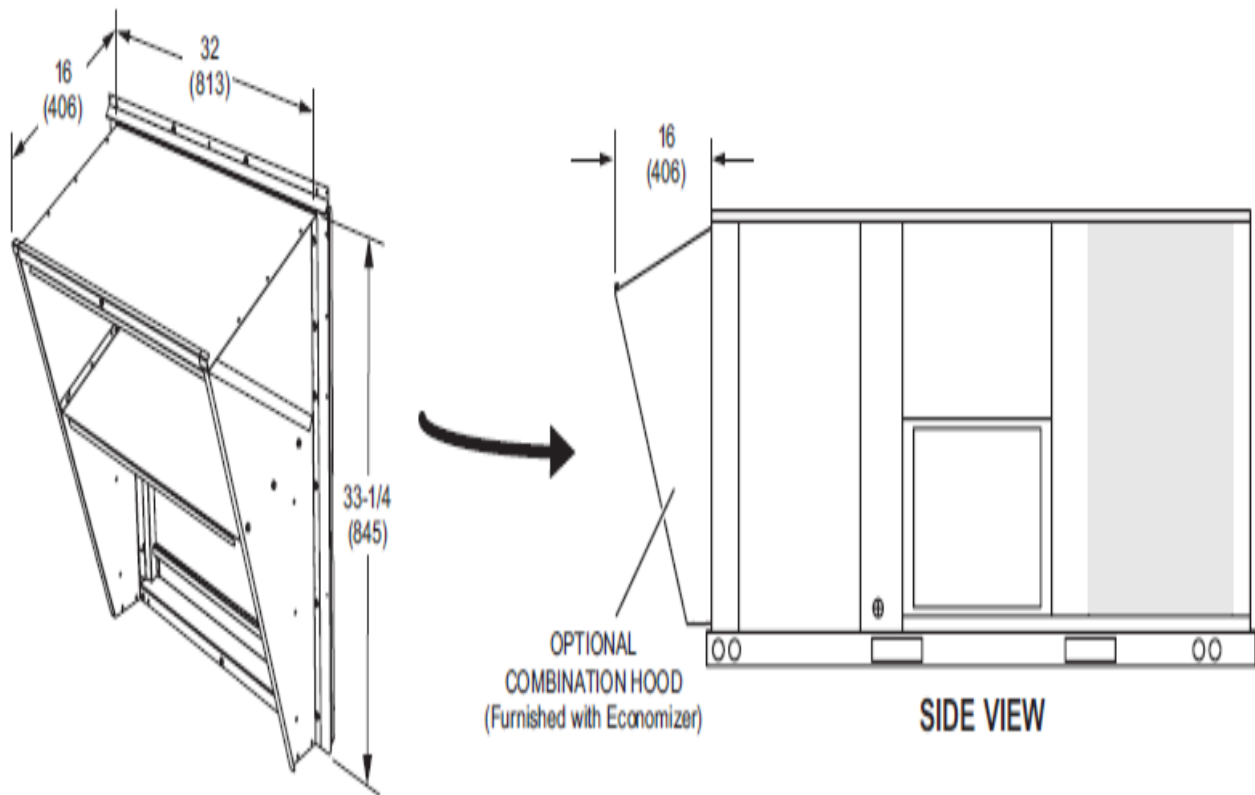
Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
131	169	161	208	220	284	179	231	38.25	39.75	19.88	19.88





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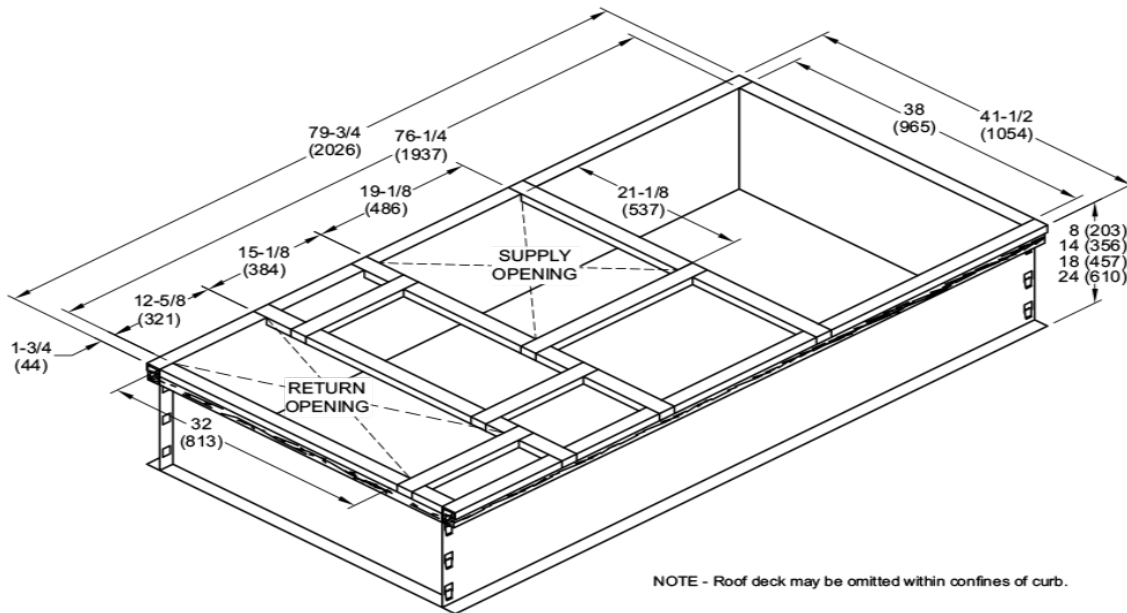
COMBINATION OUTDOOR AIR HOOD DETAIL FOR OPTIONAL ECONOMIZER AND BAROMETRIC RELIEF DAMPERS (Furnished With Economizer for Downflow Applications)



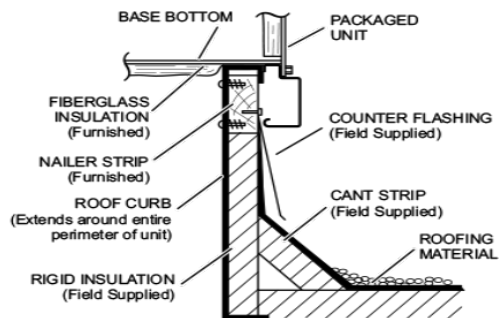


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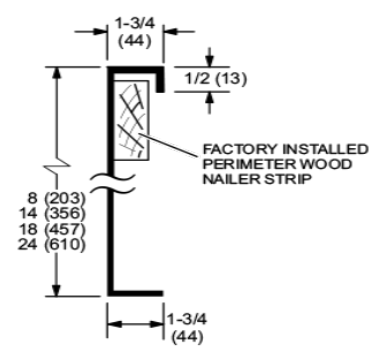
HYBRID ROOF CURBS - DOUBLE DUCT OPENING



TYPICAL FLASHING DETAIL FOR ROOF CURB



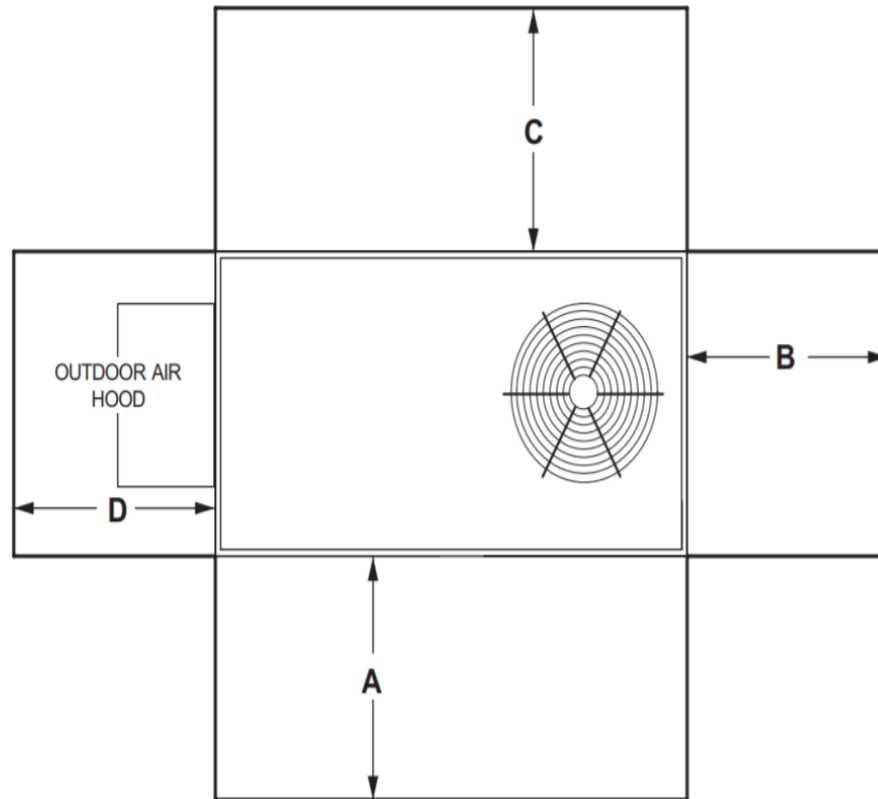
DETAIL ROOF CURB





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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	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

Tag:

RTU-2, 3

Model:

LGT120H5E - LGT120H5E-Y 10T

UNIT OVERVIEW

Voltage	AHRI 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	16.1 12.1	48 / 60	125.7 / 91.8	113.7 / 79.8	4,000	2.10 / 2.57	80.0 / 67.0	57.2 / 56.4

COOLING

Cooling Performance		Temperatures (DB/WB °F)	
Gross Cooling (Ttl/Sens)	125.7 / 91.8 MBH	Ambient	95.0
Net Cooling (Ttl/Sens)	113.7 / 79.8 MBH	Entering	80.0
Coil Moisture Removal	31.99 lb/hr	Total Leaving – (Coil)	57.2
System Moisture Removal	31.99 lb/hr	Total Leaving – (Unit)	57.2

ARI Performance		Compressors		Refrigerant		Condensate Drain	
AHRI Cooling	121.0 / 118.0 MBH	Cooling Stages	3.0	Type	R-454B	Qty	1
AHRI Power	9,900 W	Compressor Qty	2	Charge	11 LBS. 12 OZ.	Size	1 in.
		Compressor RLA	29.8 amp			Pipe Thread	npt

HEATING

Heating Performance		Temperatures (DB/WB °F)		Specifications	
Output (High/Low)	104.0 / 67.6 MBH	Gas Heat Rise	24.1	Heat Stages	2
Input (High/Low)	130.0 / 84.5 MBH	Total Leaving	24.1	Thermal Efficiency	81.0%
				Gas Line Size	0.75 in.
				Gas Pressure	7 in.WC

VENTILATION

Air Flow (cfm)		Supply Fan		Air Resistance (in.WC)	
Supply	4,000	Nominal Power	3.75 hp	Total	2.57
		Required Power	3.77 hp	Ext Supply	2.10
		Drive Type	ECM Direct Drive		
		Required Watts	2,810 W		

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)

Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.14		0.14	0.19				

ELECTRICAL

Voltage	208V 3Ph / 60Hz	Compressor RLA	29.8 amp
MCA	48 amp	Condenser FLA	6.0 amp
MOCP	60 amp	Supply Fan FLA	8.8 amp
Oper Range-Nom Volt	+/- 10%	Cooling FLA Total	44.6 amp

ADDITIONAL DATA

Cabinet	101.25 in. x 60.12 in. x 46.88 in.	Total Weight	1,366 lb
Downflow Supply	20.0 in. x 28.0 in.	Base Unit Net Weight	1,100 lb
Downflow Return	24.0 in. x 27.0 in.	OAS/Econ Weight	77 lb
Filters	(4) 20.0 in. x 25.0 in. x 2.0 in.	Exhaust Weight	9 lb
Sound Rating	89 dBA	Coil/Hail Guard Weight	55 lb
		Curb Weight	125 lb



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Tag: RTU-2, 3

Factory Installed Options

High Performance Economizer Factory Installed
Single Enthalpy High Performance Economizer
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 - 3.75 Hp - DirectPlus w/MSAV
Barometric Relief Damper Factory Installed
130K A.S. (Dual Stage)
Combination Coil/Hail Guards Factory Installed
Hinged Access Doors Factory Installed
15A GFCI Factory Installed/Field Wired
Return Air Smoke Detector Factory Installed
Environ Condenser Coil System Factory Installed
2" MERV4 - Std. Filter Factory Installed

Field Installed Accessories

Catalog Number	Qty	Description
54W95	2	Bottom Gas Piping Kit Field Installed
11F55	2	14" Downflow - Hybrid Curb Field Installed
22H54	2	PVC Drain Trap Field Installed
50W61	8	2" MERV8 - Filter Field Installed
87N53	2	CO2 Sensors - Wall-mount, off-white plastic cover, no display 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

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
Phase/Voltage Detection
Return Air Sensor Factory Installed
Outdoor Air Sensor Factory Installed



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Factory Installed Discharge Air Sensor
Refrigerant Detection System (RDS) and mitigation response, per UL safety standard 60335-2-40

Approvals and Compliance

Components are bonded for grounding to meet safety standards for servicing required by ETL, NEC and CEC
All models are fully charged and run tested to verify unit operation and functionality
All models have HCAI (formerly OSHPD) OSP and Special Seismic Certification (Number: OSP-0596), and meet 2021 International Building Code (IBC), 2022 California Building Code (CBC) ASCE 7, and ICC-ES AC156
ISO 9001 Registered Manufacturing Quality System
Only refrigerants in compliance with New York State regulations can be used in the state of New York
ETL and CSA listed
All models are ASHRAE 90.1-2025 compliant
All models meet DOE 2023 energy efficiency standards
All models are listed to UL 60335-1 and UL 60335-2-40 and meet the Refrigerant Detection and Dissipation Requirements
All models have been sound tested in accordance with test conditions included in AHRI Standard 270 or 370
All models have FSA approval and are compliant with standard ASCE 7-22 (ASD) and the Florida Building Code Eighth Edition (2023)
Units are charged with virgin refrigerant to comply with NYCRR Part 494

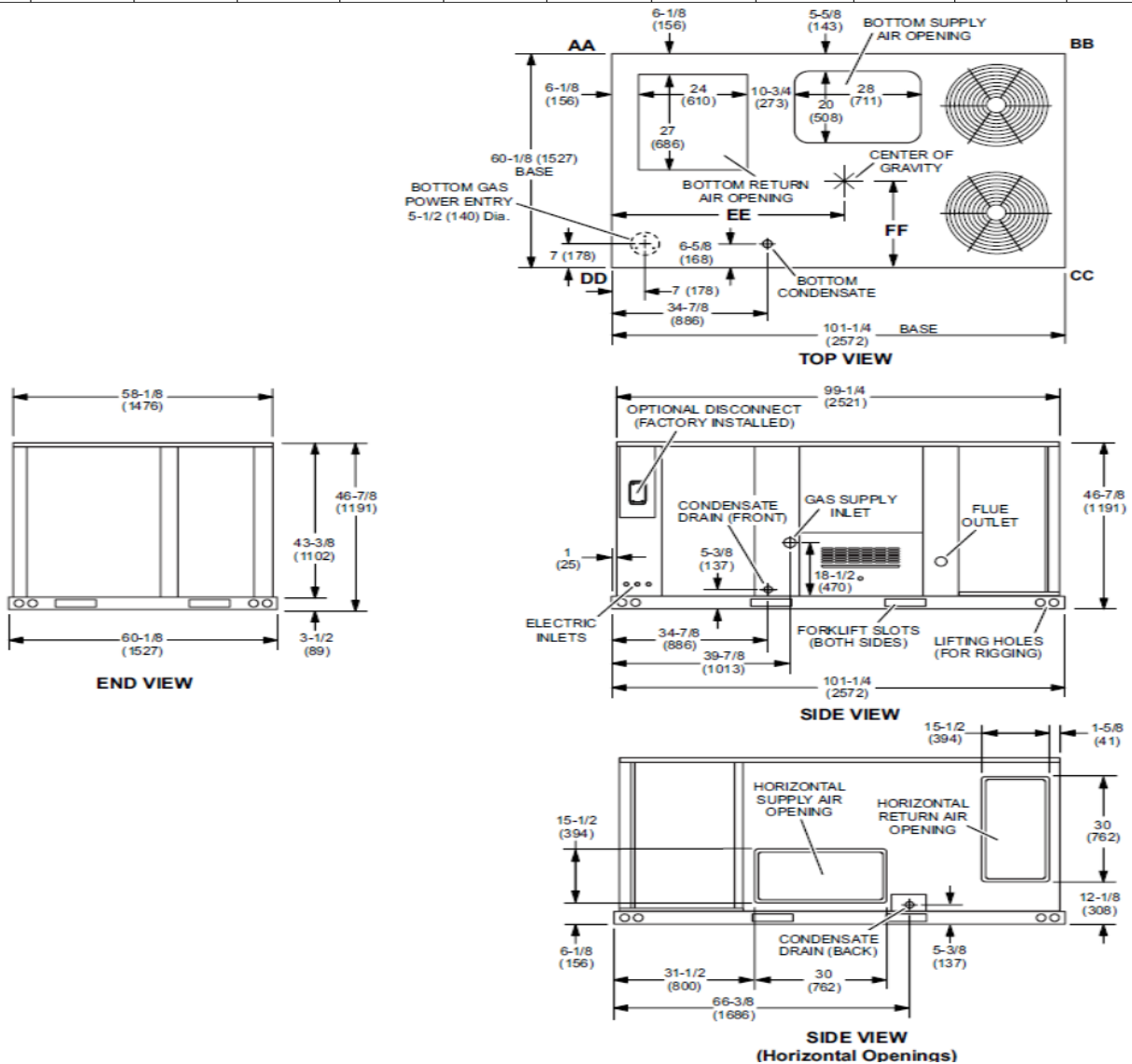
Warranty

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
Limited warranty on Lennox® CORE Control System of 3 years
See Limited Warranty Certificate included with unit for details



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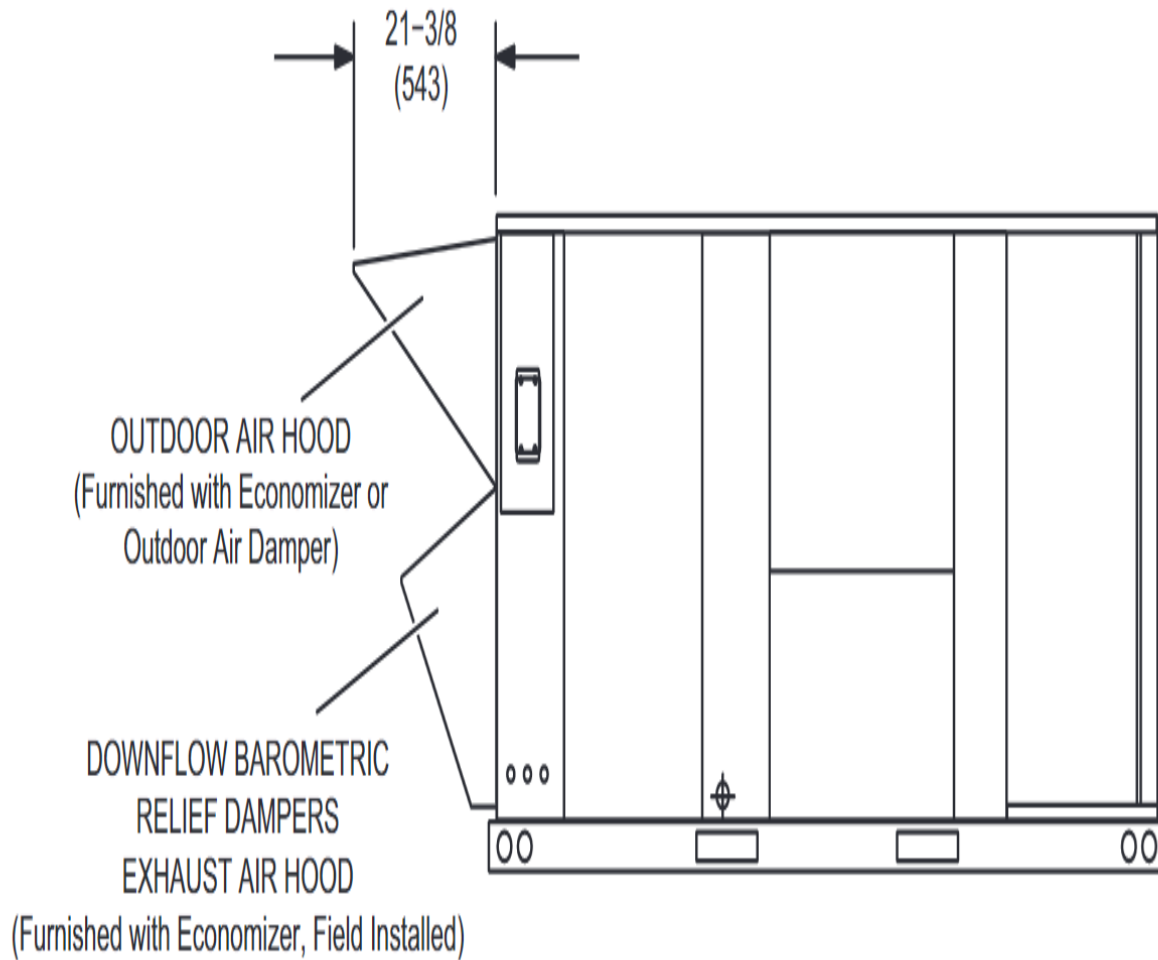
Corner Weights (lb)						Center of Gravity (in.)					
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
306	349	275	305	295	326	334	382	46.50	45.50	24.50	25.50





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OUTDOOR AIR HOOD DETAIL





Technical drawing of a rectangular air conditioning unit, showing dimensions in inches and millimeters. The unit is shown in a perspective view, highlighting the top and side panels. Key dimensions include:

- Top panel width: 95-3/8 (2423)
- Top panel depth: 54-1/4 (1378)
- Top panel thickness: 21-3/4 (552)
- Side panel height: 8 (203), 14 (356), 18 (457), 24 (610)
- Side panel width: 29-3/4 (756)
- Side panel depth: 50-3/4 (1289)
- Top panel offset: 26-3/4 (679)
- Top panel offset: 8-1/2 (216)
- Top panel offset: 91-7/8 (2334)
- Top panel offset: 29-3/4 (756)

The drawing also indicates the location of the "SUPPLY OPENING" and "RETURN OPENING" on the top panel. A note states: "NOTE - Roof deck may be omitted within confines of curb."

Diagram illustrating the components of a roof curb assembly:

- BASE BOTTOM
- PACKAGED UNIT
- FIBERGLASS INSULATION (Furnished)
- NAILER STRIP (Furnished)
- ROOF CURB (Extends around entire perimeter of unit)
- RIGID INSULATION (Field Supplied)
- COUNT FLASHING (Field Supplied)
- CANT STRIP (Field Supplied)
- ROOFING MATERIAL

1-3/4 (44)

1/2 (13)

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

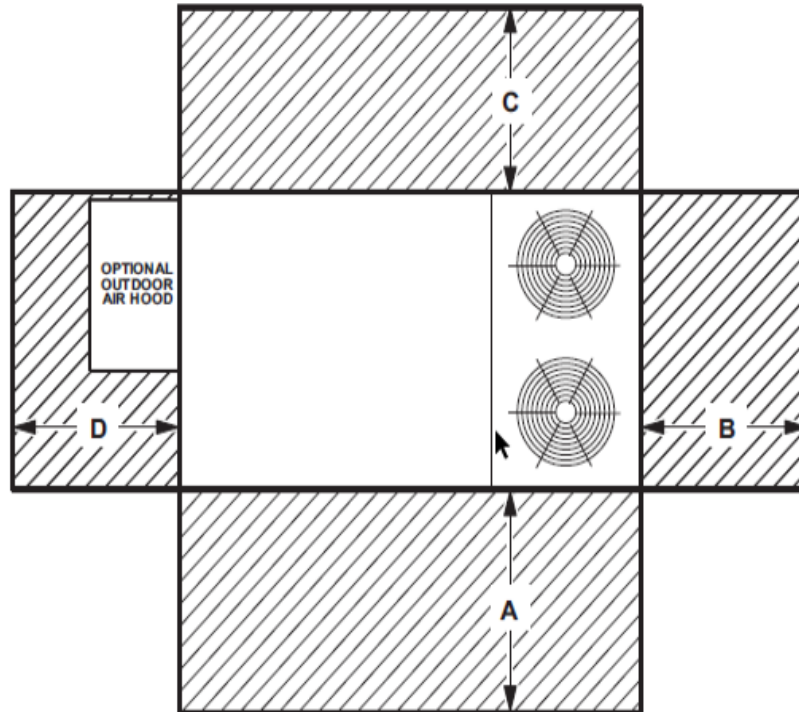
1-3/4 (44)

FACTORY INSTALLED PERIMETER WOOD NAILER STRIP



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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	934	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 clearance to combustible material.

Minimum Operation Clearance - Required clearance for proper unit operation.