



Lennox National Accounts Project Submittal

Project Name: Barnes & Noble 2877-Lakewood CO
Project Number: 711509
Project Altitude: 500
Project Location:
14347 West Colfax Ave
Lakewood, Colorado US

Date: 8/29/2024
Quote: 504209
Roof Top Units: 8
Split Systems: 0

Customer: Barnes & Noble Inc
Engineer: Pending Engineer
National Account: Barnes & Noble Inc

Table of Contents

Tag	Qty	Model	Description
<u>RTU 1,5</u>	2	LGT180H5M	LGT180H5M-G 15T
<u>RTU 2</u>	1	LGT180H5M	LGT180H5M-G 15T
<u>RTU 3</u>	1	LGT092H5E	LGT092H5E-G 7.5T
<u>RTU 6</u>	1	LGT060H5E	LGT060H5E-G 5T
<u>RTU 7</u>	1	LGT120H5E	LGT120H5E-G 10T
<u>RTU 8</u>	1	LGT048H5E	LGT048H5E-G 4T
<u>RTU 9</u>	1	LGT036H5E	LGT036H5E-G 3T
<u>Miscellaneous Items</u>			

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

AutoCAD® Templates - [Click here](#)



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Tag: RTU 1,5
Model: LGT180H5M - LGT180H5M-G 15T

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)
460V 3Ph 60Hz	15.4 12	35 / 40	184.4 / 140.1	177.4 / 133.2	6,000	0.50 / 0.71	80.0 / 67.0	57.4 / 56.8

COOLING								
Cooling Performance				Temperatures (DB/WB °F)				
Gross Cooling (Ttl/Sens)		184.4 / 140.1 MBH		Ambient		95.0		
Net Cooling (Ttl/Sens)		177.4 / 133.2 MBH		Entering		80.0		67.0
Coil Moisture Removal		41.71 lb/hr		Total Leaving – (Coil)		57.4		56.8
System Moisture Removal		41.71 lb/hr		Total Leaving – (Unit)		58.6		57.2
ARI Performance		Compressors			Refrigerant		Condensate Drain	
ARI Cooling	176.0 / 172.0 MBH	Cooling Stages	3.0	Type	R-454B		Qty	1
ARI Power	14,300 W	Compressor Qty	3	Charge	0.0		Size	1 in.
		Compressor RLA	19.8 amp				Pipe Thread	FPT

HEATING								
Heating Performance			Temperatures (DB/WB °F)			Specifications		
Output (High/Low)	389.0 / 126.0 MBH		Total Leaving		60.0	Heat Stages	2	
Input (High/Low)	480.0 / 156.0 MBH					Thermal Efficiency	81.0%	
Gas Heat Rise	60.0 °F					Gas Line Size	1 in.	
						Gas Pressure	7 in.WC	

VENTILATION								
Air Flow (cfm)		Supply Fan			Air Resistance (in.WC)			
Supply	6,000	Nominal Power	5.00 hp		Total	0.71		
		Required Power	2.40 hp		Ext Supply	0.50		
		Drive Type	MSAV Belt Drive					
		RPM Range	685 - 856 rpm					
		Required RPM	751 rpm					
		Exh Fan Nom HP	0.33 hp					

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)							
Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.03		0.15		0.03			

ELECTRICAL				
Voltage	460V 3Ph / 60Hz		Compressor RLA	19.8 amp
MCA	35 amp		Condenser FLA	5.4 amp
MOCP	40 amp		Supply Fan FLA	7.6 amp
Oper Range-Nom Volt	+/- 10%		Cooling FLA Total	32.8 amp

ADDITIONAL DATA				
Cabinet	132.62 in. x 91.12 in. x 54.25 in.		Total Weight	2,421 lb
Downflow Supply	20.0 in. x 28.0 in.		Base Unit Net Weight	2,128 lb
Downflow Return	15.0 in. x 60.5 in.		OAS/Econ Weight	167 lb
Filters	(6) 24.0 in. x 24.0 in. x 2.0 in.		Exhaust Weight	62 lb
Sound Rating	93 dBA		Gas Heat Weight	64 lb



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Tag: RTU 1,5

Factory Installed Options

- High Performance Economizer Factory Installed
- Single Enthalpy High Performance Economizer
- Belt Drive
- Unit Orientation Downflow
- Supply Fan: Multi-Stage Air Volume Belt
- 440V/460V/480V 3Phase
- 80Amp Non-Fused Disconnect Factory Installed
- Built-in BACnet IP and MS/TP (standard)
- Refrigerant R-454B
- Supply Motor - 5.0 Hp Std- w/ MSAV
- Supply Drive Kit 3 (685-856 RPM)
- Std Static Power Exhaust Fan Factory Installed
- 480K S.S. (Dual Stage)
- Hinged Access Doors Factory Installed
- 15A GFCI Factory Installed/Field Wired
- Return Air Smoke Detector Factory Installed
- Environ Condenser Coil System Factory Installed
- 2" MERV8 - Filter Factory installed

Field Installed Accessories

Catalog Number	Qty	Description
54W78	2	Downflow Barometric Relief Dampers Field Installed
22H59	2	Low Temp Vestibule Heater Field Installed

Product Features

Cabinet

- Hinged Access Panels
- Durable Outdoor Enamel Paint Finish
- Totally Enclosed Outdoor Fan Motor
- PVC Coated Fan Guard
- Corrosion-Resistant 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
- Building Automation Integrated Control - Up to 3 Stages of Cooling

Heating System

- Redundant Automatic Gas Valve with Manual Shut-off
- Electronic Flame Sensor
- Direct Spark Ignition
- Inshot Burners
- AGA-CGA Certified

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



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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

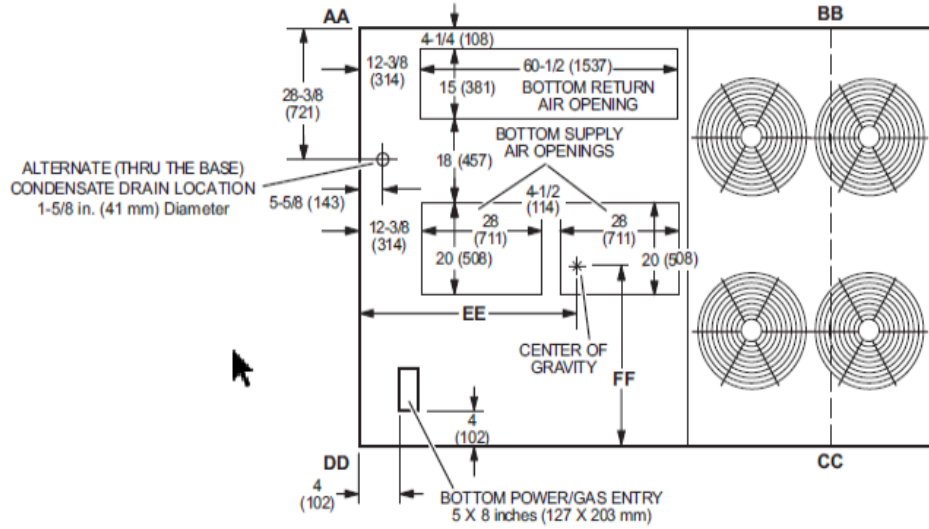
Warranty

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 High Performance Economizer of 5 years
Limited warranty on all other components of 1 year
See Limited Warranty Certificate included with unit for details
Limited warranty on Lennox® CORE Control System of 3 years

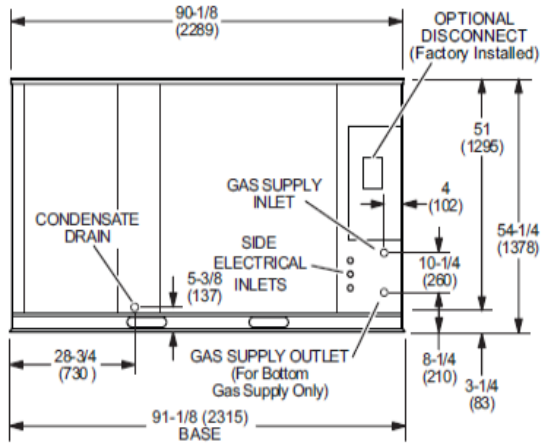


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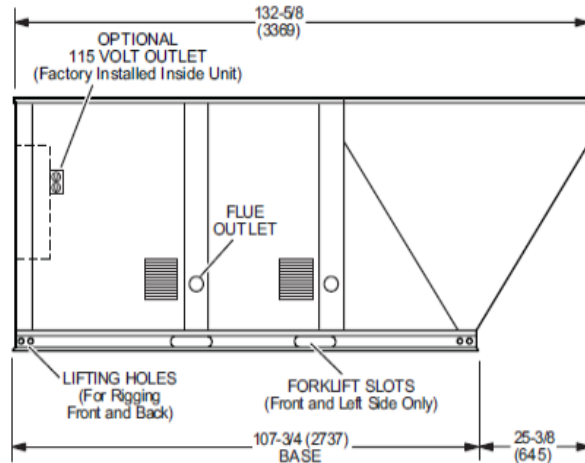
Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
483	596	435	517	574	604	636	696	51.10	50.06	39.30	42.03



TOP VIEW

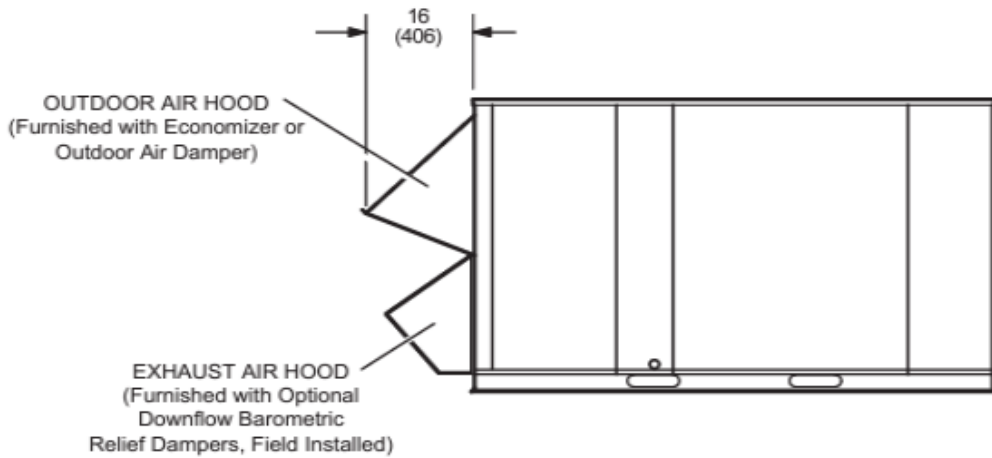


END VIEW



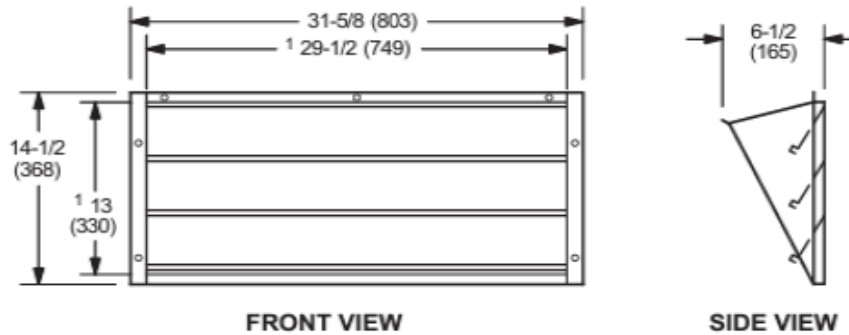
SIDE VIEW

OUTDOOR AIR HOOD DETAIL



OPTIONAL HORIZONTAL BAROMETRIC RELIEF DAMPERS WITH HOOD

(Field installed in horizontal return air duct adjacent to unit)

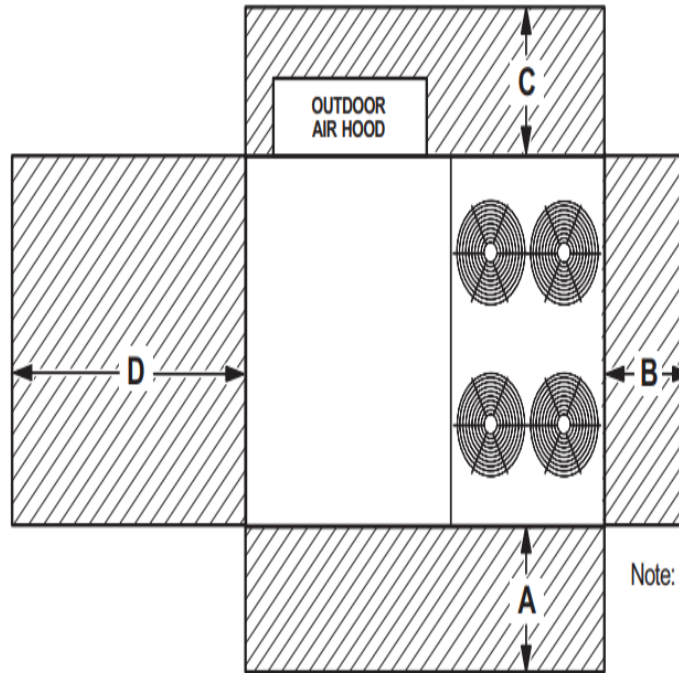


NOTE - Two furnished per order no.
¹ NOTE - Opening size required in return air duct.



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Unit With Economizer



Note: Models with four outdoor fans shown.
Dimension clearances are for all sizes.

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	66	1676	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
Minimum Operation Clearance	45	1143	36	914	36	914	41	1041	

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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Tag: RTU 2
Model: LGT180H5M - LGT180H5M-G 15T

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)
460V 3Ph 60Hz	15.4 12	35 / 40	184.4 / 140.1	177.2 / 133.0	6,000	0.50 / 0.74	80.0 / 67.0	57.4 / 56.8

COOLING									
Cooling Performance				Temperatures (DB/WB °F)					
Gross Cooling (Ttl/Sens)			184.4 / 140.1 MBH	Ambient		95.0			
Net Cooling (Ttl/Sens)			177.2 / 133.0 MBH	Entering		80.0	67.0		
Coil Moisture Removal			41.71 lb/hr	Total Leaving – (Coil)		57.4	56.8		
System Moisture Removal			41.71 lb/hr	Total Leaving – (Unit)		58.6	57.3		
ARI Performance			Compressors		Refrigerant		Condensate Drain		
ARI Cooling		176.0 / 172.0 MBH	Cooling Stages	3.0	Type	R-454B		Qty	1
ARI Power		14,300 W	Compressor Qty	3	Charge	0.0		Size	1 in.
			Compressor RLA	19.8 amp			Pipe Thread	FPT	

HUMIDITROL - HOT GAS REHEAT								
Humiditrol Dehumidification Performance				Temperatures (DB/WB °F)				
Gross Cooling - Stage 1(Ttl/Sens)			39.4 / 18.5 MBH	Ambient		95.0		
Gross Cooling - Stage 2 (Ttl/Sens)			73.0 / 30.6 MBH	Entering		80.0	67.0	
Moisture Removal - Stage 1			19.7 lb/hr	Total Leaving – (Stage 1)		77.0	65.0	
Moisture Removal - Stage 2			39.9 lb/hr	Total Leaving – (Stage 2)		75.1	63.3	

HEATING								
Heating Performance			Temperatures (DB/WB °F)			Specifications		
Output (High/Low)		389.0 / 126.0 MBH	Total Leaving		60.0	Heat Stages		2
Input (High/Low)		480.0 / 156.0 MBH				Thermal Efficiency		81.0%
Gas Heat Rise		60.0 °F				Gas Line Size		1 in.
						Gas Pressure		7 in.WC

VENTILATION								
Air Flow (cfm)			Supply Fan			Air Resistance (in.WC)		
Supply		6,000	Nominal Power	5.00 hp		Total		0.74
			Required Power	2.47 hp		Ext Supply		0.50
			Drive Type	MSAV Belt Drive				
			RPM Range	685 - 856 rpm				
			Required RPM	762 rpm				
			Exh Fan Nom HP	0.33 hp				

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)							
Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.03	0.03	0.15		0.03			

ELECTRICAL								
Voltage			460V 3Ph / 60Hz		Compressor RLA		19.8 amp	
MCA			35 amp		Condenser FLA		5.4 amp	
MOCP			40 amp		Supply Fan FLA		7.6 amp	
Oper Range-Nom Volt			+/- 10%		Cooling FLA Total		32.8 amp	

ADDITIONAL DATA								
Cabinet			132.62 in. x 91.12 in. x 54.25 in.		Total Weight		2,471 lb	
Downflow Supply			20.0 in. x 28.0 in.		Base Unit Net Weight		2,128 lb	
Downflow Return			15.0 in. x 60.5 in.		OAS/Econ Weight		167 lb	



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Filters	(6) 24.0 in. x 24.0 in. x 2.0 in.	Exhaust Weight	62 lb
Sound Rating	93 dBA	Humiditrol Weight	50 lb
		Gas Heat Weight	64 lb

Preliminary



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Tag: RTU 2

Factory Installed Options

High Performance Economizer Factory Installed
 Single Enthalpy High Performance Economizer
 Belt Drive
 Unit Orientation Downflow
 Supply Fan: Multi-Stage Air Volume Belt
 440V/460V/480V 3Phase
 80Amp Non-Fused Disconnect Factory Installed
 Built-in BACnet IP and MS/TP (standard)
 Refrigerant R-454B
 Supply Motor - 5.0 Hp Std- w/ MSAV
 Supply Drive Kit 3 (685-856 RPM)
 Std Static Power Exhaust Fan Factory Installed
 480K S.S. (Dual Stage)
 Hinged Access Doors Factory Installed
 15A GFCI Factory Installed/Field Wired
 Return Air Smoke Detector Factory Installed
 Environ Condenser Coil System Factory Installed
 Humiditrol Factory Installed
 2" MERV8 - Filter Factory installed

Field Installed Accessories

Catalog Number	Qty	Description
54W78	1	Downflow Barometric Relief Dampers Field Installed
22H59	1	Low Temp Vestibule Heater Field Installed
17M50	1	Humidity Sensor Kit Field Installed

Product Features

Cabinet

Hinged Access Panels
 Durable Outdoor Enamel Paint Finish
 Totally Enclosed Outdoor Fan Motor
 PVC Coated Fan Guard
 Corrosion-Resistant 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
 Building Automation Integrated Control - Up to 3 Stages of Cooling
 Humiditrol - 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

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



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Built-in BACnet IP & MS/TP
Phase/Voltage Detection
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

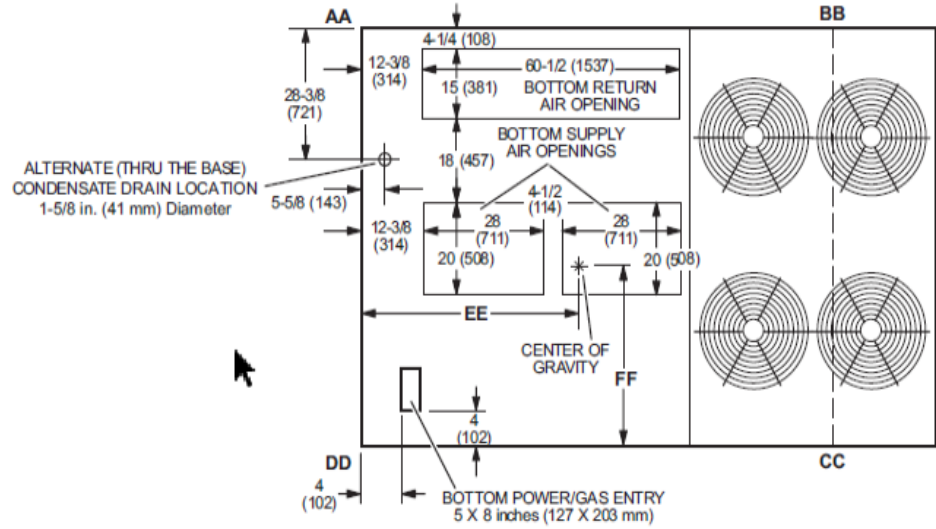
Warranty

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 High Performance Economizer of 5 years
Limited warranty on all other components of 1 year
See Limited Warranty Certificate included with unit for details
Limited warranty on Lennox® CORE Control System of 3 years

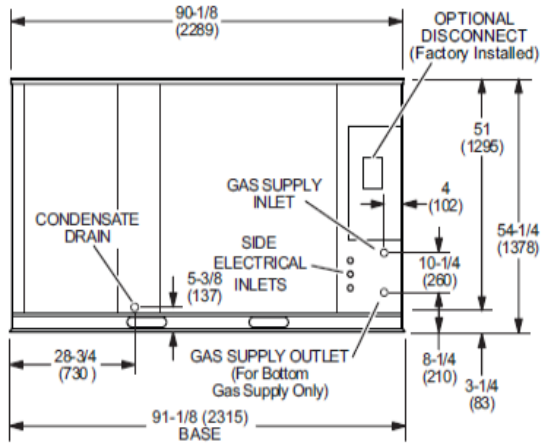


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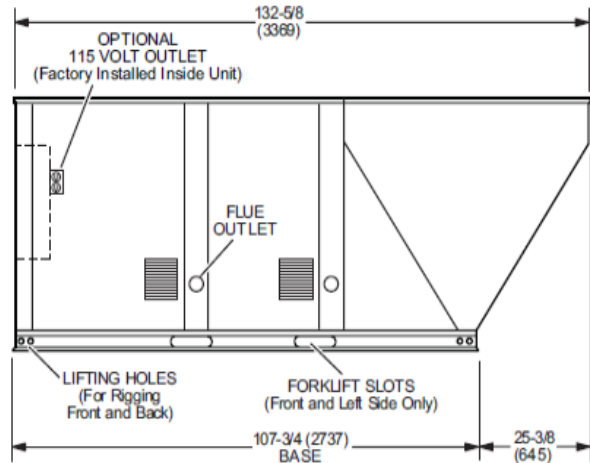
Corner Weights (lb)						Center of Gravity (in.)					
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
483	596	435	517	574	604	636	696	51.10	50.06	39.30	42.03



TOP VIEW

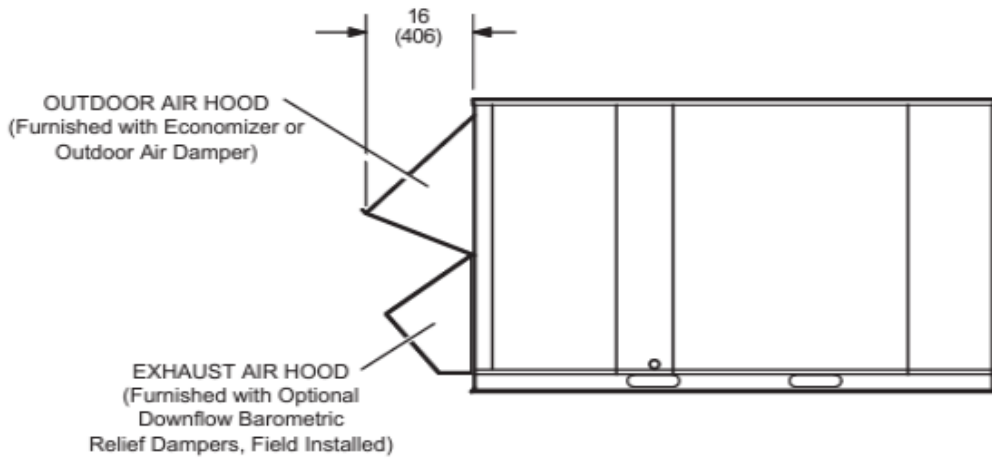


END VIEW



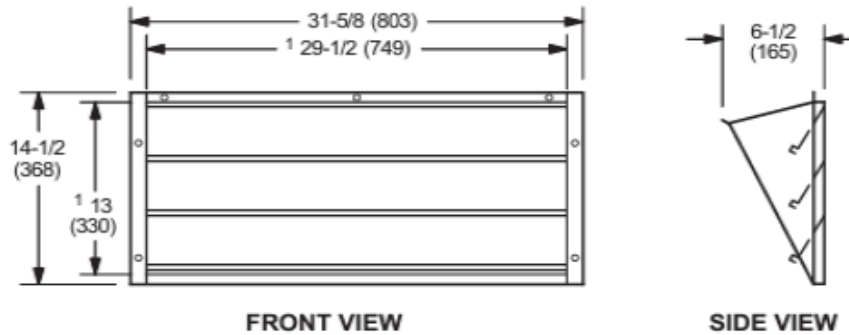
SIDE VIEW

OUTDOOR AIR HOOD DETAIL



OPTIONAL HORIZONTAL BAROMETRIC RELIEF DAMPERS WITH HOOD

(Field installed in horizontal return air duct adjacent to unit)

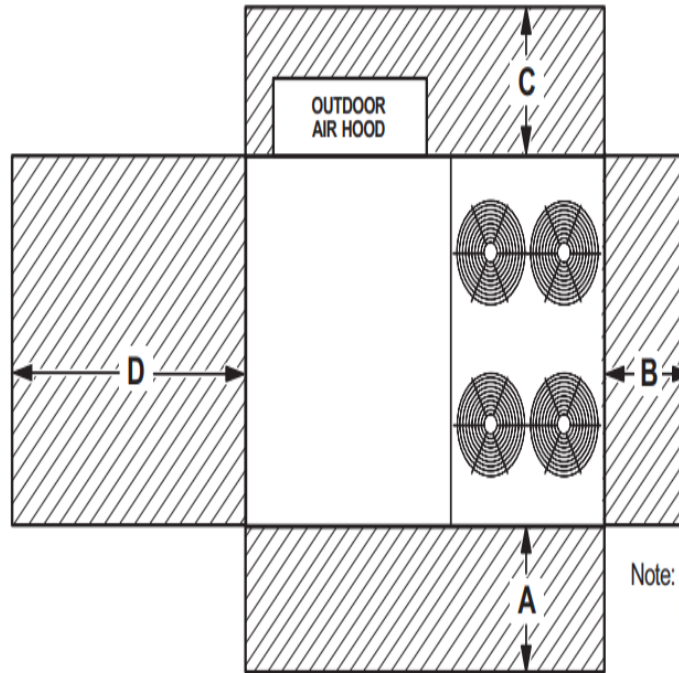


NOTE - Two furnished per order no.
¹ NOTE - Opening size required in return air duct.



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Unit With Economizer



Note: Models with four outdoor fans shown.
Dimension clearances are for all sizes.

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	66	1676	Unobstructed
Clearance to Combustibles	36	914	1	25	1	25	1	25	
Minimum Operation Clearance	45	1143	36	914	36	914	41	1041	

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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Tag: RTU 3
Model: LGT092H5E - LGT092H5E-G 7.5T

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)
460V 3Ph 60Hz	16.1 12.3	22 / 25	94.7 / 68.2	91.1 / 64.6	3,000	0.50 / 0.88	80.0 / 67.0	58.0 / 56.5

COOLING								
Cooling Performance				Temperatures (DB/WB °F)				
Gross Cooling (Ttl/Sens)		94.7 / 68.2 MBH		Ambient		95.0		
Net Cooling (Ttl/Sens)		91.1 / 64.6 MBH		Entering		80.0		67.0
Coil Moisture Removal		24.99 lb/hr		Total Leaving – (Coil)		58.0		56.5
System Moisture Removal		24.99 lb/hr		Total Leaving – (Unit)		59.2		57.0
ARI Performance		Compressors			Refrigerant		Condensate Drain	
ARI Cooling	94.0 / 92.0 MBH	Cooling Stages	3.0	Type	R-454B		Qty	1
ARI Power	7,600 W	Compressor Qty	2	Charge	0.0		Size	1 in.
		Compressor RLA	12.8 amp				Pipe Thread	npt

HEATING								
Heating Performance			Temperatures (DB/WB °F)			Specifications		
Output (High/Low)	194.0 / 126.4 MBH		Total Leaving		59.9		Heat Stages	2
Input (High/Low)	240.0 / 156.0 MBH						Thermal Efficiency	81.0%
Gas Heat Rise	59.9 °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	3.75 hp		Total	0.88		
		Required Power	1.13 hp		Ext Supply	0.50		
		Drive Type	ECM Direct Drive					
		Required Watts	841 W					

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)							
Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.10		0.13	0.13	0.02			

ELECTRICAL								
Voltage	460V 3Ph / 60Hz			Compressor RLA	12.8 amp			
MCA	22 amp			Condenser FLA	2.6 amp			
MOCP	25 amp			Supply Fan FLA	4.3 amp			
Oper Range-Nom Volt	+/- 10%			Cooling FLA Total	19.7 amp			

ADDITIONAL DATA								
Cabinet	101.25 in. x 60.12 in. x 46.88 in.			Total Weight	1,211 lb			
Downflow Supply	20.0 in. x 28.0 in.			Base Unit Net Weight	1,088 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.			Exhaust Weight	8 lb			
Sound Rating	88 dBA			Gas Heat Weight	32 lb			



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Tag: RTU 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 440V/460V/480V 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
- 240K S.S. (Dual Stage)
- Hinged Access Doors Factory Installed
- 15A GFCI Factory Installed/Field Wired
- Return Air Smoke Detector Factory Installed
- Environ Condenser Coil System Factory Installed
- 2" MERV8 - Filter Factory installed

Field Installed Accessories

Catalog Number	Qty	Description
22A55	1	Low Temp Vestibule Heater 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
- Factory Installed Discharge Air Sensor



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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 High Performance Economizer of 5 years

Limited warranty on all other components of 1 year

See Limited Warranty Certificate included with unit for details

Limited warranty on Lennox® CORE Control System of 3 years



Lennox National Accounts Project Submittal

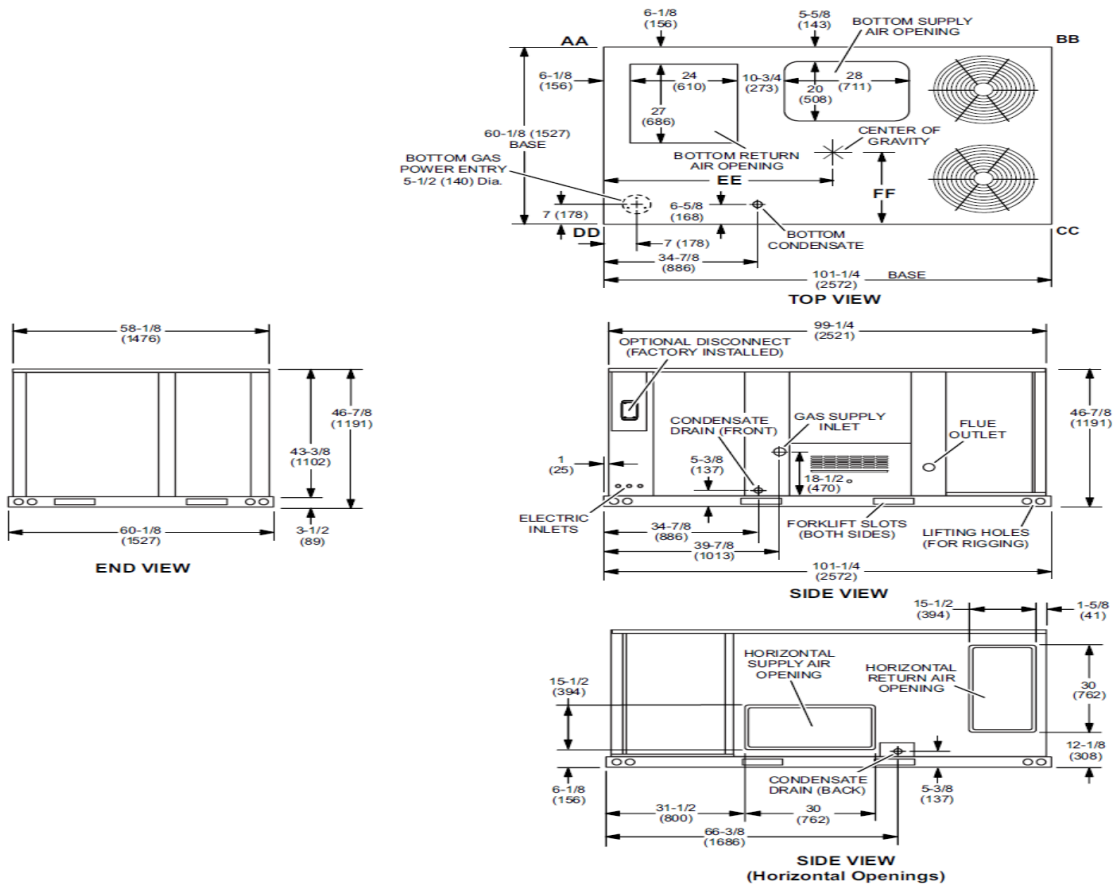
Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
293	338	263	295	286	316	326	370	46.50	45.50	24.50	25.50

DIMENSIONS

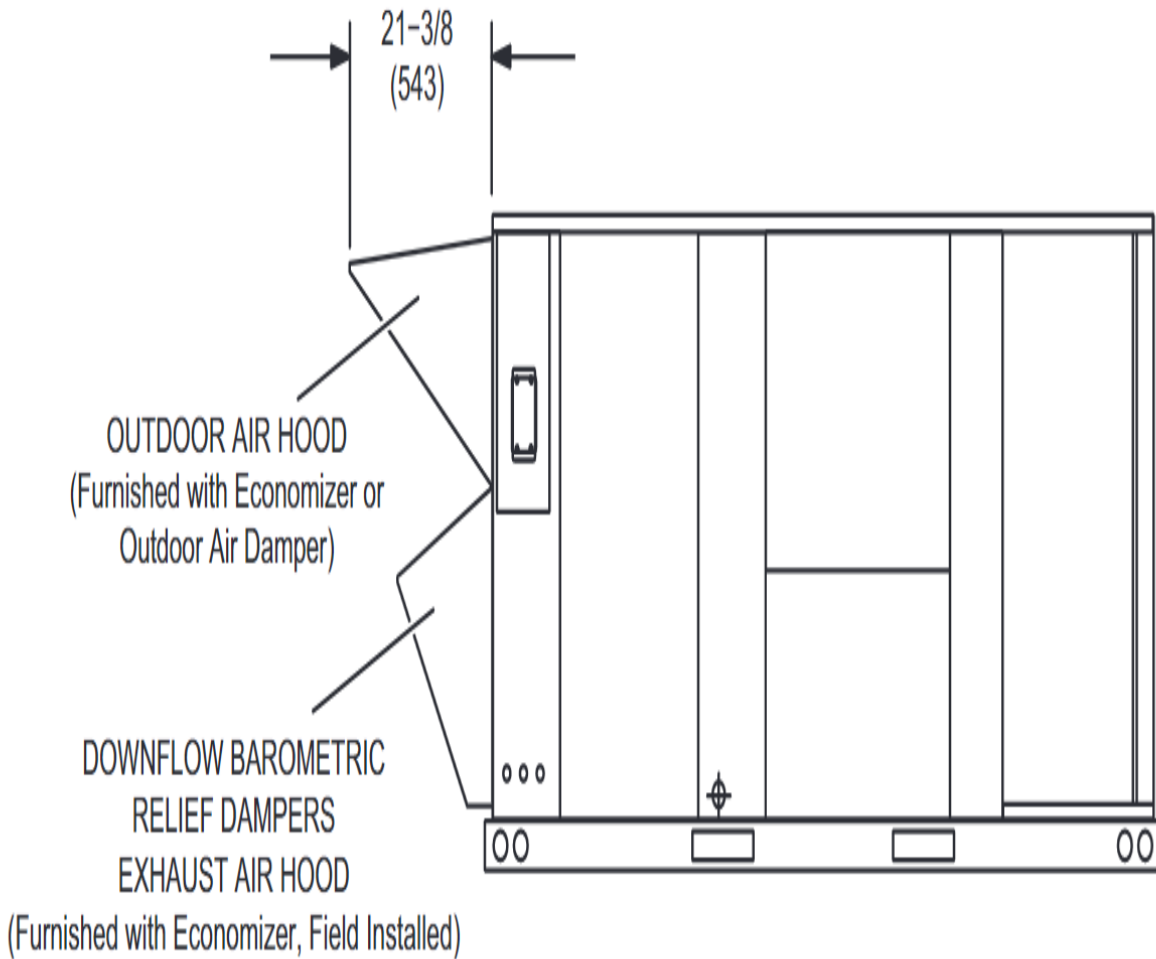
Model No.	CORNER WEIGHTS																CENTER OF GRAVITY								UNIT
	AA				BB				CC				DD				EE				FF				
	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.			
092	293	338	263	295	286	316	326	370	46.5	45.5	24.5	25.5	648	648	648	648	648	648	648	648	648	648	648		
102	294	340	265	297	288	318	328	372	46.5	45.5	24.5	25.5	648	648	648	648	648	648	648	648	648	648	648		
120	306	349	275	305	295	314	326	348	46.5	45.5	24.5	25.5	648	648	648	648	648	648	648	648	648	648	648		
150	316	359	284	314	304	318	334	352	46.5	45.5	24.5	25.5	648	648	648	648	648	648	648	648	648	648	648		

Base Unit - The unit with NO INTERNAL OPTIONS.

Max. Unit - The unit with ALL INTERNAL OPTIONS Installed. (Economizer, Standard Static Power Exhaust Fans, Controls, etc.). Does not include accessories external to unit or high static power exhaust.



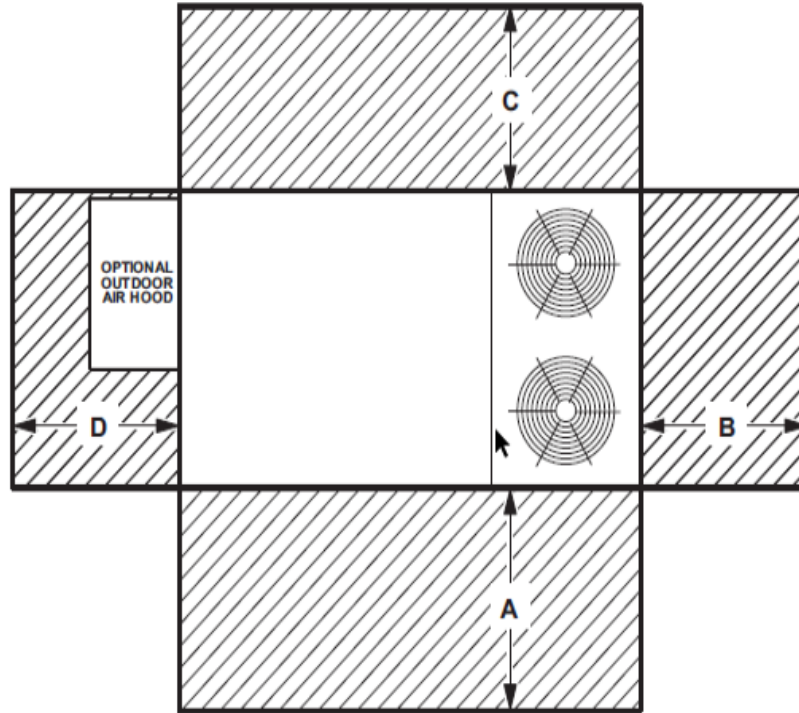
OUTDOOR AIR HOOD DETAIL





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	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.



Lennox National Accounts Project Submittal

Tag: RTU 6
Model: LGT060H5E - LGT060H5E-G 5T

UNIT OVERVIEW								
Voltage	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)
460V 3Ph 60Hz	16.4 12.5	12 / 15	65.6 / 49.2	63.0 / 46.6	2,000	0.50 / 0.76	80.0 / 67.0	56.2 / 56.0

COOLING								
Cooling Performance				Temperatures (DB/WB °F)				
Gross Cooling (Ttl/Sens)		65.6 / 49.2 MBH		Ambient		95.0		
Net Cooling (Ttl/Sens)		63.0 / 46.6 MBH		Entering		80.0		67.0
Coil Moisture Removal		15.46 lb/hr		Total Leaving – (Coil)		56.2		56.0
System Moisture Removal		15.46 lb/hr		Total Leaving – (Unit)		57.5		56.5
ARI Performance		Compressors			Refrigerant		Condensate Drain	
ARI Cooling	61.6 / 60.0 MBH	Cooling Stages	2.0		Type	R-454B		Qty
ARI Power	4,600 W	Compressor Qty	1		Charge	4 LBS. 14 OZ.		Size
		Compressor RLA	6.5 amp					Pipe Thread
								npt

HEATING								
Heating Performance			Temperatures (DB/WB °F)		Specifications			
Output (High/Low)	121.0 / 92.0 MBH		Total Leaving		55.6		Heat Stages	
Input (High/Low)	150.0 / 113.0 MBH						Thermal Efficiency NOX	
Gas Heat Rise	55.6 °F						Gas Line Size	
							Gas Pressure	
							7 in.WC	

VENTILATION								
Air Flow (cfm)		Supply Fan			Air Resistance (in.WC)			
Supply	2,000	Nominal Power	1.50 hp		Total		0.76	
		Required Power	0.81 hp		Ext Supply		0.50	
		Drive Type	MSAV Direct Drive					
		Required Watts	604 W					

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)							
Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.10		0.06	0.05	0.05			

ELECTRICAL								
Voltage	460V 3Ph / 60Hz			Compressor RLA	6.5 amp			
MCA	12 amp			Condenser FLA	1.4 amp			
MOCP	15 amp			Supply Fan FLA	2.3 amp			
Oper Range-Nom Volt	+/- 10%			Cooling FLA Total	10.2 amp			

ADDITIONAL DATA								
Cabinet	85.25 in. x 47.00 in. x 46.88 in.			Total Weight	780 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	19 lb			
Sound Rating	82 dBA							



Lennox National Accounts Project Submittal

Tag: RTU 6

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 440V/460V/480V 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
- Barometric Relief Damper Factory Installed
- 150K S.S. (Dual Stage)
- Low Nox Factory Installed
- Hinged Access Doors Factory Installed
- 15A GFCI Factory Installed/Field Wired
- Phase/Voltage Detection Factory Installed
- Return Air Smoke Detector Factory Installed
- Environ Evaporator and Condenser Coil System Factory Installed
- 2" MERV8 - Filter Factory installed

Field Installed Accessories

Catalog Number	Qty	Description
21Z18	1	Low Temp Vestibule Heater 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



Lennox National Accounts Project Submittal

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

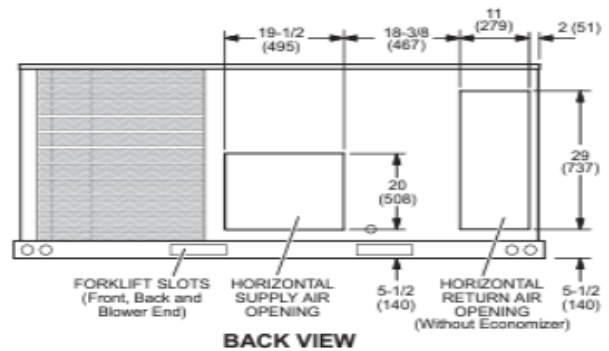
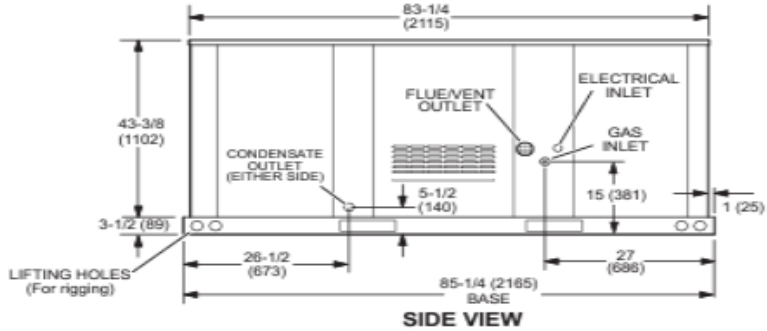
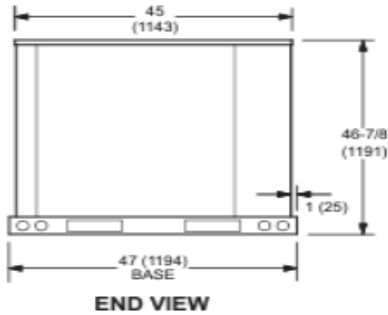
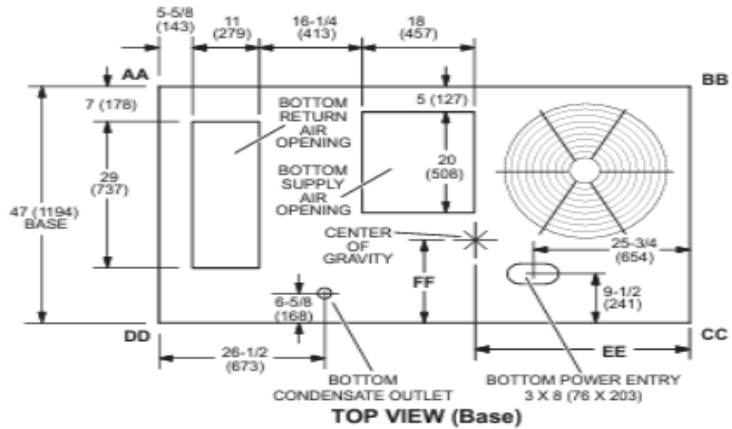
Warranty

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 High Performance Economizer of 5 years
Limited warranty on all other components of 1 year
See Limited Warranty Certificate included with unit for details
Limited warranty on Lennox® CORE Control System of 3 years



Lennox National Accounts Project Submittal

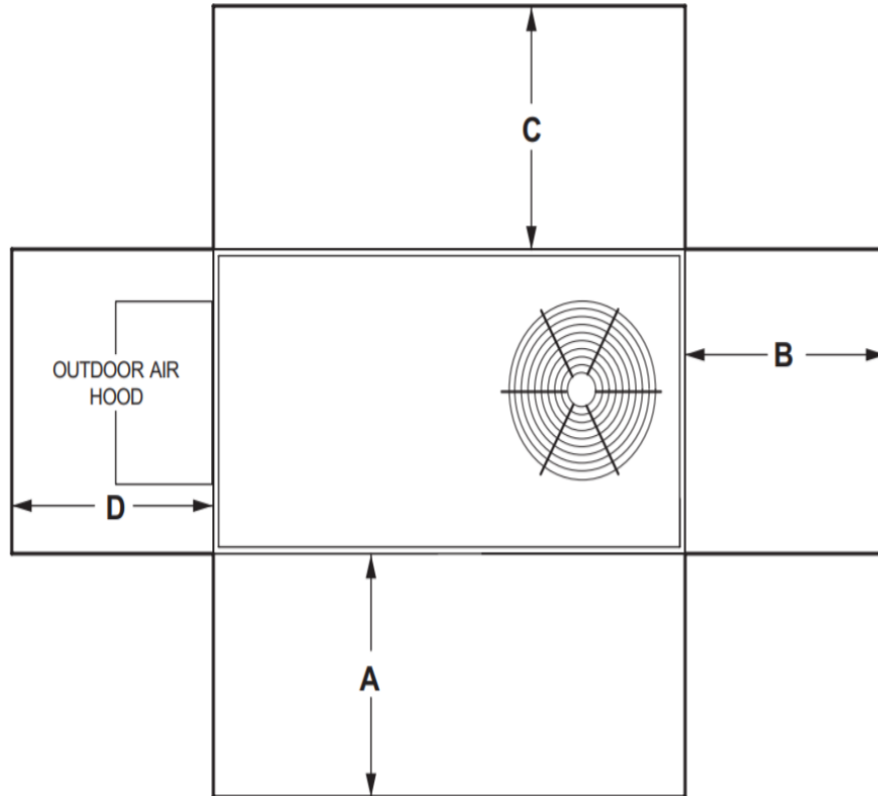
Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
131	169	161	208	220	284	179	231	38.25	39.75	19.88	19.88





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.



Lennox National Accounts Project Submittal

Tag: RTU 7
Model: LGT120H5E - LGT120H5E-G 10T

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)
460V 3Ph 60Hz	16.1 12.1	25 / 30	125.7 / 91.8	119.2 / 85.2	4,000	0.50 / 1.09	80.0 / 67.0	57.8 / 56.6

COOLING								
Cooling Performance				Temperatures (DB/WB °F)				
Gross Cooling (Ttl/Sens)	125.7 / 91.8 MBH			Ambient	95.0			
Net Cooling (Ttl/Sens)	119.2 / 85.2 MBH			Entering	80.0	67.0		
Coil Moisture Removal	31.99 lb/hr			Total Leaving – (Coil)	57.8	56.6		
System Moisture Removal	31.99 lb/hr			Total Leaving – (Unit)	59.4	57.2		
ARI Performance		Compressors			Refrigerant		Condensate Drain	
ARI Cooling	121.0 / 118.0 MBH	Cooling Stages	3.0	Type	R-454B	Qty	1	
ARI Power	9,900 W	Compressor Qty	2	Charge	0.0	Size	1 in.	
		Compressor RLA	14 amp			Pipe Thread	npt	

HEATING								
Heating Performance			Temperatures (DB/WB °F)		Specifications			
Output (High/Low)	194.0 / 126.4 MBH		Total Leaving	44.9	Heat Stages	2		
Input (High/Low)	240.0 / 156.0 MBH				Thermal Efficiency	81.0%		
Gas Heat Rise	44.9 °F				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	1.09		
		Required Power	2.05 hp		Ext Supply	0.50		
		Drive Type	ECM Direct Drive					
		Required Watts	1,526 W					
		Exh Fan Nom HP	0.33 hp					

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)							
Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.14		0.22	0.19	0.04			

ELECTRICAL				
Voltage	460V 3Ph / 60Hz		Compressor RLA	14.0 amp
MCA	25 amp		Condenser FLA	3.0 amp
MOCP	30 amp		Supply Fan FLA	4.3 amp
Oper Range-Nom Volt	+/- 10%		Cooling FLA Total	21.3 amp

ADDITIONAL DATA				
Cabinet	101.25 in. x 60.12 in. x 46.88 in.		Total Weight	1,276 lb
Downflow Supply	20.0 in. x 28.0 in.		Base Unit Net Weight	1,130 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.		Exhaust Weight	31 lb
Sound Rating	89 dBA		Gas Heat Weight	32 lb



Lennox National Accounts Project Submittal

Tag: RTU 7

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 440V/460V/480V 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
- Std Static Power Exhaust Fan Factory Installed 240K S.S. (Dual Stage)
- Hinged Access Doors Factory Installed
- 15A GFCI Factory Installed/Field Wired
- Return Air Smoke Detector Factory Installed
- Environ Condenser Coil System Factory Installed
- 2" MERV8 - Filter Factory installed

Field Installed Accessories

Catalog Number	Qty	Description
22A55	1	Low Temp Vestibule Heater 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
- Factory Installed Discharge Air Sensor



Lennox National Accounts Project Submittal

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 High Performance Economizer of 5 years

Limited warranty on all other components of 1 year

See Limited Warranty Certificate included with unit for details

Limited warranty on Lennox® CORE Control System of 3 years



Lennox National Accounts Project Submittal

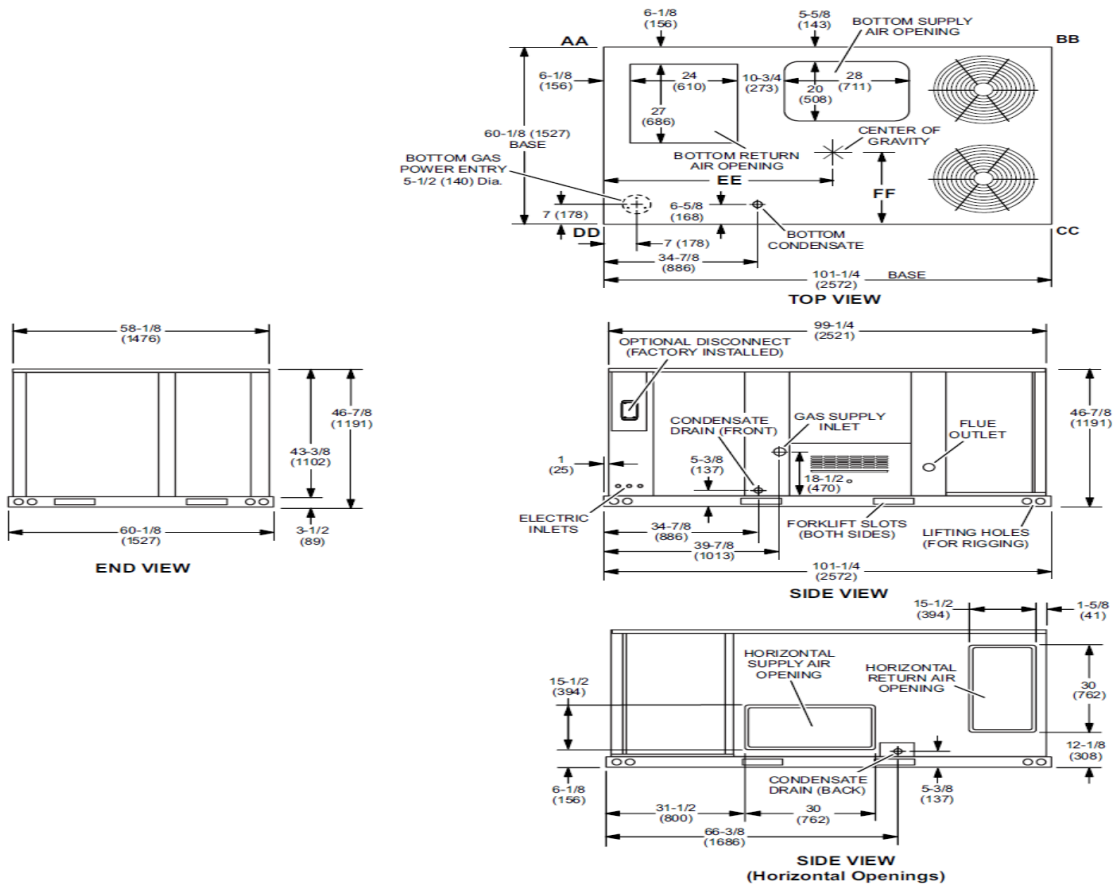
Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
306	349	275	305	295	326	334	382	46.50	45.50	24.50	25.50

DIMENSIONS

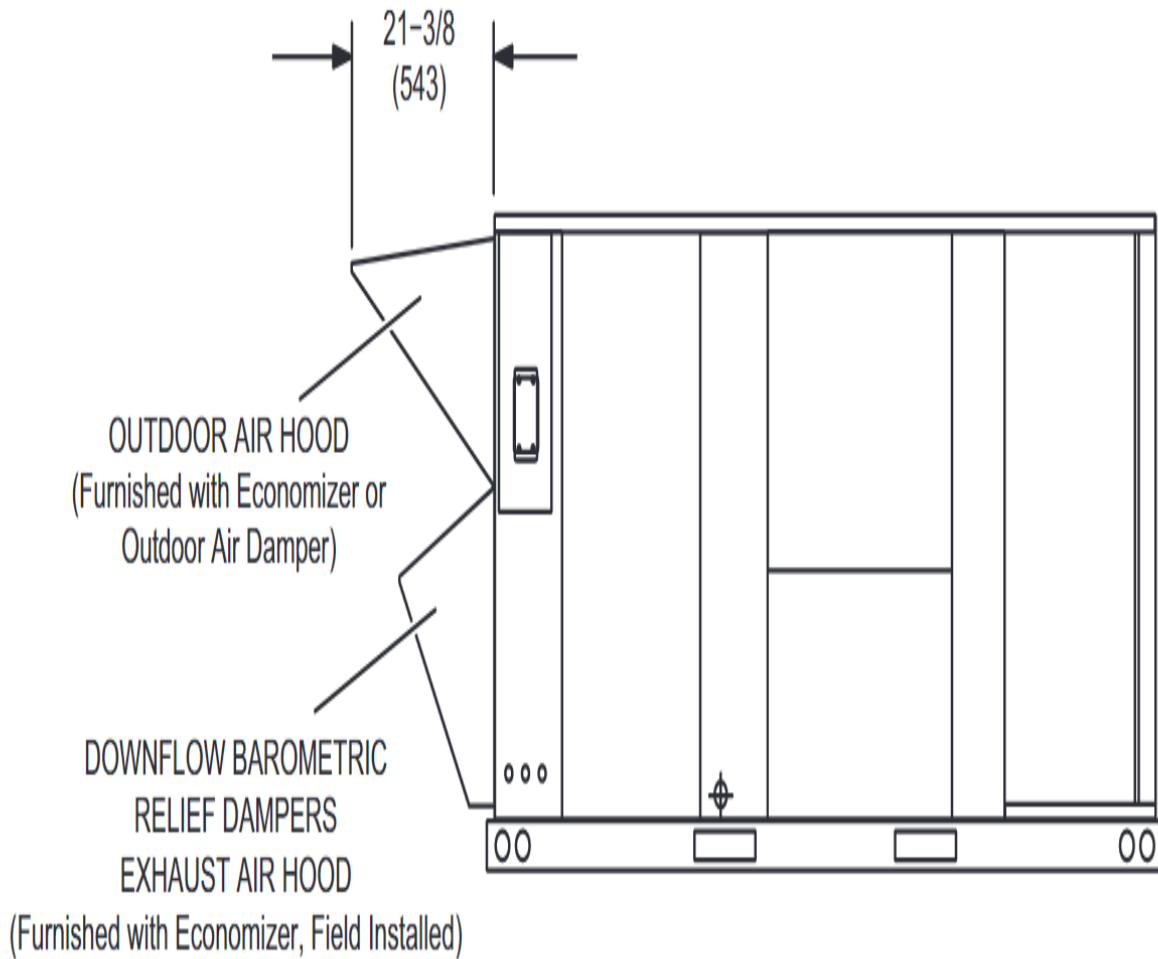
Model No.	CORNER WEIGHTS																CENTER OF GRAVITY								UNIT	
	AA				BB				CC				DD				EE				FF				Base	Max.
	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.	Base	Max.						
092	293	133	338	153	263	119	295	134	286	130	316	143	326	148	370	168	46.5	1181	45.5	1156	24.5	622	25.5	648		
102	294	134	340	154	265	120	297	135	288	131	318	144	328	149	372	169	46.5	1181	45.5	1156	24.5	622	25.5	648		
120	306	139	349	158	275	125	305	138	295	134	326	148	334	152	382	173	46.5	1181	45.5	1156	24.5	622	25.5	648		
150	316	143	359	163	284	129	314	142	304	138	393	178	345	157	393	178	46.5	1181	45.5	1156	24.5	622	25.5	648		

Base Unit - The unit with NO INTERNAL OPTIONS.

Max. Unit - The unit with ALL INTERNAL OPTIONS Installed. (Economizer, Standard Static Power Exhaust Fans, Controls, etc.). Does not include accessories external to unit or high static power exhaust.



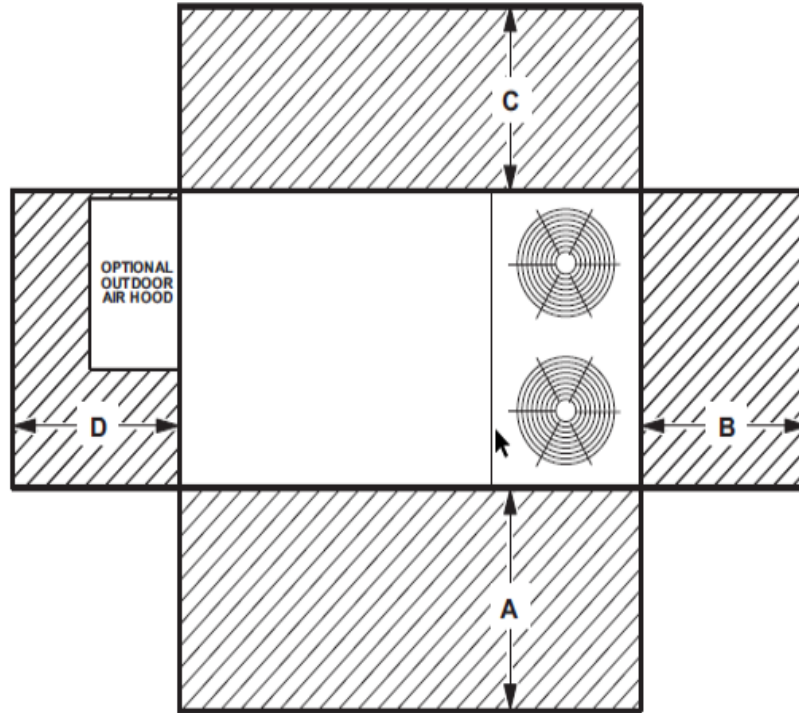
OUTDOOR AIR HOOD DETAIL





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	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.



Lennox National Accounts Project Submittal

Tag: RTU 8
Model: LGT048H5E - LGT048H5E-G 4T

UNIT OVERVIEW								
Voltage	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)
460V 3Ph 60Hz	17.3 13	13 / 15	50.7 / 36.0	48.5 / 33.8	1,600	0.50 / 0.68	80.0 / 67.0	58.3 / 56.5

COOLING									
Cooling Performance				Temperatures (DB/WB °F)					
Gross Cooling (Ttl/Sens)	50.7 / 36.0 MBH			Ambient	95.0				
Net Cooling (Ttl/Sens)	48.5 / 33.8 MBH			Entering	80.0	67.0			
Coil Moisture Removal	13.86 lb/hr			Total Leaving – (Coil)	58.3	56.5			
System Moisture Removal	13.86 lb/hr			Total Leaving – (Unit)	59.6	57.0			
ARI Performance		Compressors			Refrigerant		Condensate Drain		
ARI Cooling	50.1 / 49.0 MBH	Cooling Stages	2.0		Type	R-454B		Qty	1
ARI Power	3,800 W	Compressor Qty	1		Charge	5 LBS. 2 OZ.		Size	1 in.
		Compressor RLA	5.7 amp					Pipe Thread	npt

HEATING									
Heating Performance			Temperatures (DB/WB °F)		Specifications				
Output (High/Low)	121.0 / 92.0 MBH		Total Leaving	69.4		Heat Stages	2		
Input (High/Low)	150.0 / 113.0 MBH					Thermal Efficiency NOX	81.0%		
Gas Heat Rise	69.4 °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	0.68				
		Required Power	0.69 hp		Ext Supply	0.50				
		Drive Type	ECM Direct Drive							
		Required Watts	515 W							
		Motor Torque	56							

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)							
Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.06		0.04	0.04	0.04			

ELECTRICAL				
Voltage	460V 3Ph / 60Hz		Compressor RLA	5.7 amp
MCA	13 amp		Condenser FLA	1.4 amp
MOCP	15 amp		Supply Fan FLA	3.7 amp
Oper Range-Nom Volt	+/- 10%		Cooling FLA Total	10.8 amp

ADDITIONAL DATA				
Cabinet	85.25 in. x 47.00 in. x 46.88 in.		Total Weight	779 lb
Downflow Supply	20.0 in. x 18.0 in.		Base Unit Net Weight	629 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	19 lb
Sound Rating	75 dBA			



Lennox National Accounts Project Submittal

Tag: RTU 8

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 440V/460V/480V 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 S.S. (Dual Stage)
- Low Nox Factory Installed
- Hinged Access Doors Factory Installed
- 15A GFCI Factory Installed/Field Wired
- Phase/Voltage Detection Factory Installed
- Return Air Smoke Detector Factory Installed
- Environ Evaporator and Condenser Coil System Factory Installed
- 2" MERV8 - Filter Factory installed

Field Installed Accessories

Catalog Number	Qty	Description
21Z18	1	Low Temp Vestibule Heater 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



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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

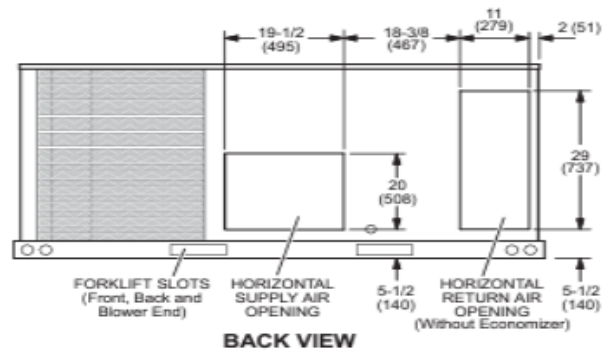
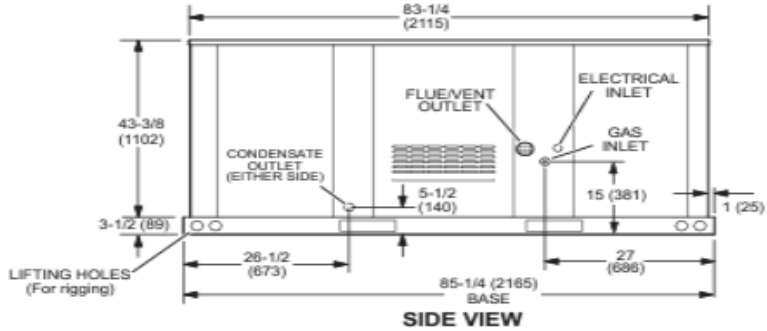
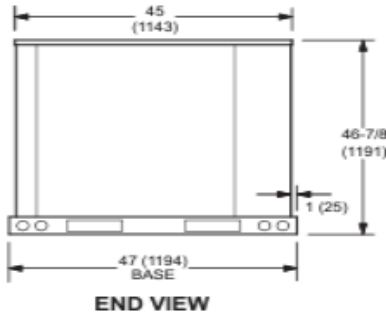
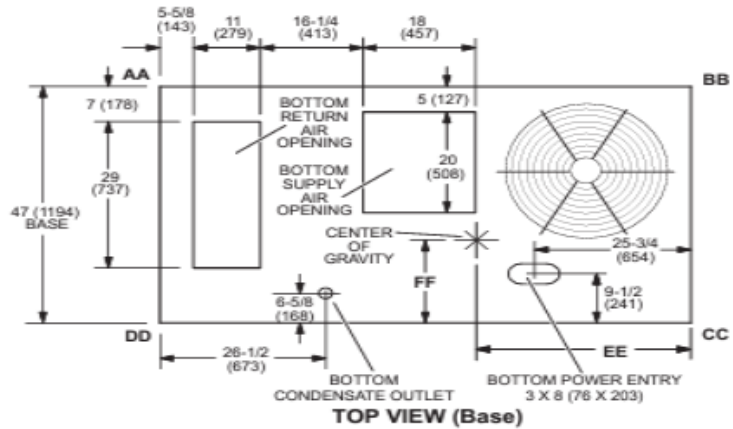
Warranty

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 High Performance Economizer of 5 years
Limited warranty on all other components of 1 year
See Limited Warranty Certificate included with unit for details
Limited warranty on Lennox® CORE Control System of 3 years



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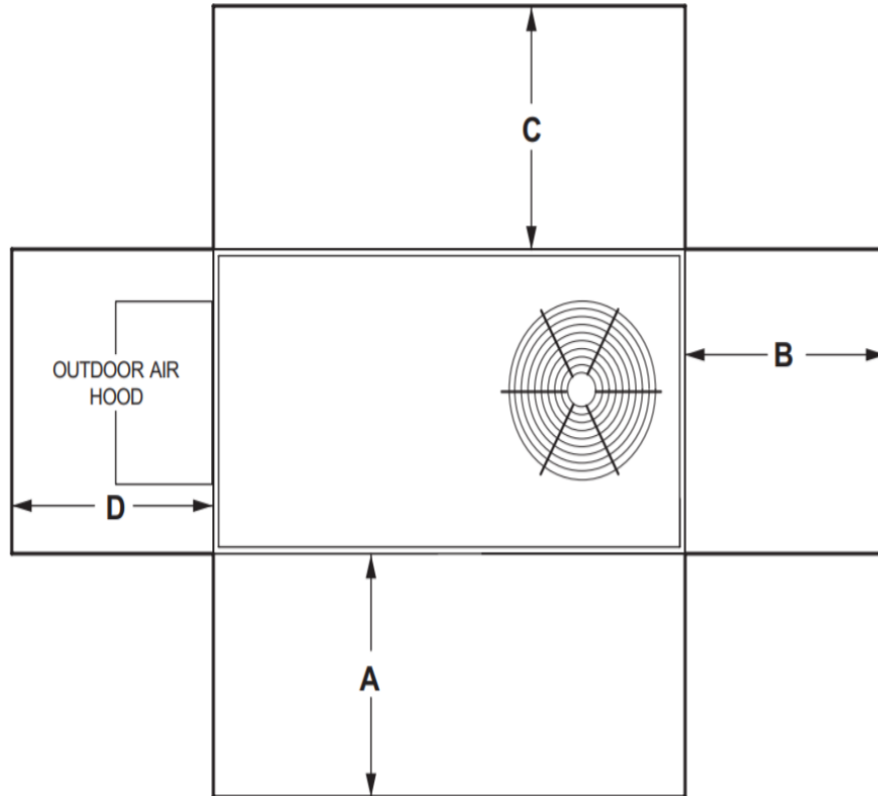
Corner Weights (lb)								Center of Gravity (in.)			
AA		BB		CC		DD		EE		FF	
Base	Max	Base	Max	Base	Max	Base	Max	Base	Max	Base	Max
131	169	161	207	220	283	179	230	38.25	39.75	19.88	19.88





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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.



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Tag: RTU 9
Model: LGT036H5E - LGT036H5E-G 3T

UNIT OVERVIEW								
Voltage	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)
460V 3Ph 60Hz	17.5 13.5	9 / 15	37.8 / 27.6	36.5 / 26.3	1,200	0.50 / 0.62	80.0 / 67.0	57.8 / 56.5

COOLING									
Cooling Performance				Temperatures (DB/WB °F)					
Gross Cooling (Ttl/Sens)	37.8 / 27.6 MBH			Ambient	95.0				
Net Cooling (Ttl/Sens)	36.5 / 26.3 MBH			Entering	80.0	67.0			
Coil Moisture Removal	9.62 lb/hr			Total Leaving – (Coil)	57.8	56.5			
System Moisture Removal	9.62 lb/hr			Total Leaving – (Unit)	58.8	57.0			
ARI Performance		Compressors			Refrigerant		Condensate Drain		
ARI Cooling	36.6 / 36.0 MBH	Cooling Stages	2.0		Type	R-454B		Qty	1
ARI Power	2,700 W	Compressor Qty	1		Charge	4 LBS. 14 OZ.		Size	1 in.
		Compressor RLA	4 amp					Pipe Thread	npt

HEATING									
Heating Performance			Temperatures (DB/WB °F)		Specifications				
Output (High/Low)	87.0 / 66.0 MBH		Total Leaving	66.4		Heat Stages	2		
Input (High/Low)	108.0 / 81.0 MBH					Thermal Efficiency NOX	81.0%		
Gas Heat Rise	66.4 °F					Gas Line Size	0.5 in.		
						Gas Pressure	7 in.WC		

VENTILATION										
Air Flow (cfm)		Supply Fan			Air Resistance (in.WC)					
Supply	1,200	Nominal Power	0.50 hp		Total	0.62				
		Required Power	0.41 hp		Ext Supply	0.50				
		Drive Type	ECM Direct Drive							
		Required Watts	308 W							
		Motor Torque	66							

AIR RESISTANCE - OPTIONS/ACCESSORIES (in.WC)							
Wet Coil	Humiditrol	Heat	Economizer	Filters	Diffuser	Exhaust	ERW
0.03		0.02	0.04	0.03			

ELECTRICAL				
Voltage	460V 3Ph / 60Hz		Compressor RLA	4.0 amp
MCA	9 amp		Condenser FLA	1.4 amp
MOCP	15 amp		Supply Fan FLA	2.2 amp
Oper Range-Nom Volt	+/- 10%		Cooling FLA Total	7.6 amp

ADDITIONAL DATA				
Cabinet	85.25 in. x 47.00 in. x 46.88 in.		Total Weight	769 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	75 dBA			



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Tag: RTU 9

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 440V/460V/480V 3Phase
- 80Amp Non-Fused Disconnect Factory Installed
- Built-in BACnet IP and MS/TP (standard)
- Refrigerant R-454B
- Supply Motor - 0.50 Hp ECM - w/ MSAV
- Barometric Relief Damper Factory Installed
- 108K S.S. (Dual Stage)
- Low Nox Factory Installed
- Hinged Access Doors Factory Installed
- 15A GFCI Factory Installed/Field Wired
- Phase/Voltage Detection Factory Installed
- Return Air Smoke Detector Factory Installed
- Environ Evaporator and Condenser Coil System Factory Installed
- 2" MERV8 - Filter Factory installed

Field Installed Accessories

Catalog Number	Qty	Description
21Z18	1	Low Temp Vestibule Heater Field Installed

Product Features

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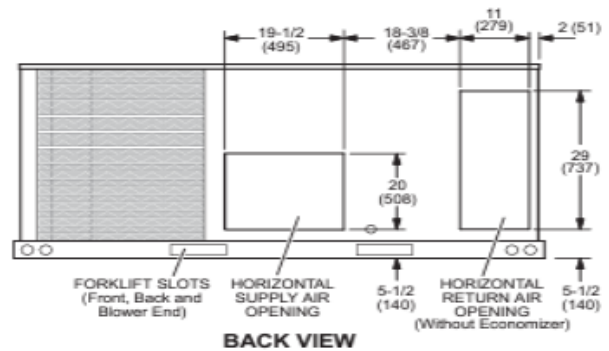
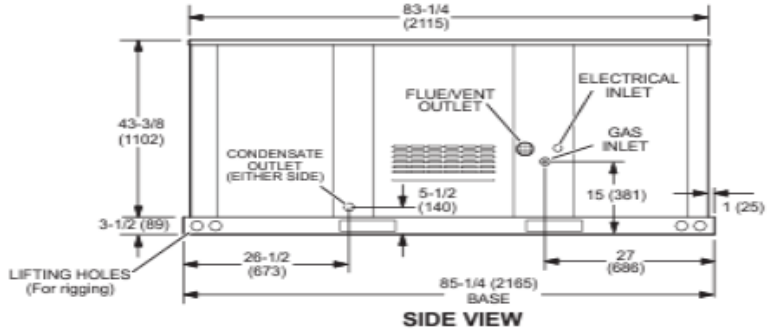
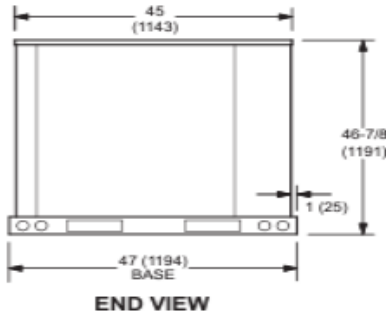
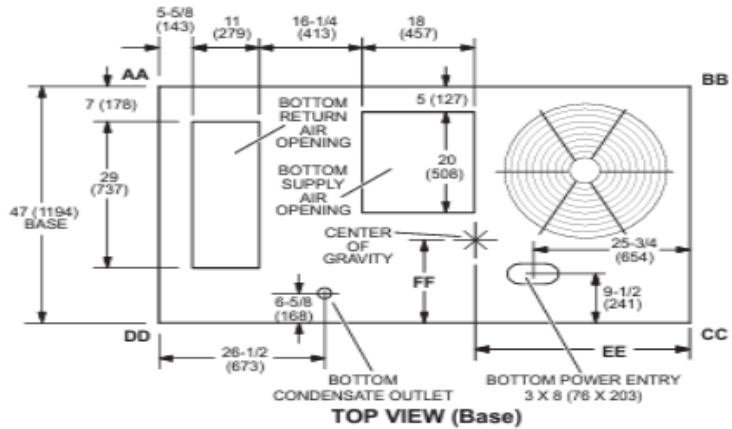
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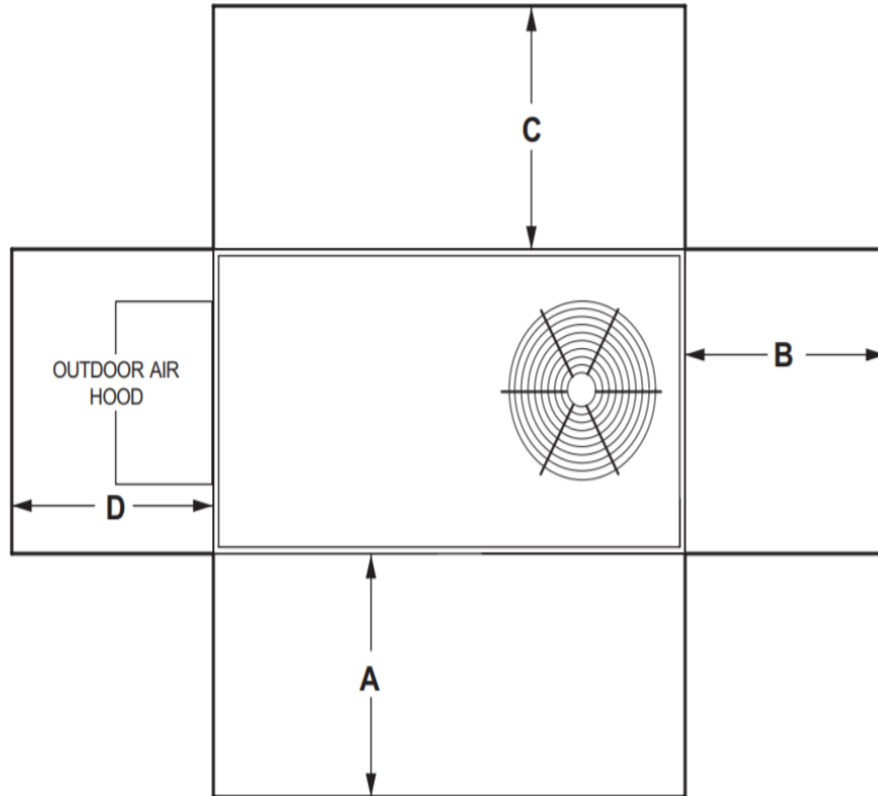
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Tag: Miscellaneous Items

Miscellaneous Items

Tag	Catalog Number	Qty	Description
Custom Curb Adapters RTU 1,2,5 Curbs Plus	COMSD	3	Custom Curb Adapters RTU 1,2,5 # LX8CR40
Custom Curb Adapters RTU 3 Curbs Plus	COMSD	1	Custom Curb Adapters RTU 3 # LX296CR37
Custom Curb Adapters RTU 6 Curbs Plus	COMSD	1	Custom Curb Adapters RTU 6 # LX108CR36
Custom Curb Adapters RTU 7 Curbs Plus	COMSD	1	Custom Curb Adapters RTU 7 # LX296CR37
Custom Curb Adapters RTU 8,9 Curbs Plus	COMSD	2	Custom Curb Adapters RTU 8,9 # LX108CR36