

RAIDER[®] ROOFTOP UNITS

**READY WHEN
YOU ARE.**



COMMERCIAL SOLUTIONS



WHEN IT HAS TO BE DONE RIGHT, CHOOSE RAIDER®.

Lennox prioritizes quality emergency replacement products that are built to last. As the only direct- to customer OEM, you can rest easy knowing your solution is not only ready to ship, but you are also getting a top-quality product that is designed and tested to run strong in the extremes - heat, cold, rain, or shine.

READY WHEN YOU ARE

Engineered for dependability and strategically stocked across North America, Raider® delivers a high-quality HVAC replacement—fast. With backward compatibility for one of the industry's most common footprints, installation is seamless, minimizing downtime and disruption. When it has to be done right, choose Raider®.



REPLACEMENT COMPATIBILITY

Designed for flexibility, Raider® rooftop units easily adapt to various applications and offer hassle-free replacement compatibility.

- **Compatible with one of the industry's most widely used footprints**, eliminating the need for an adaptor curb
- **Lightweight design** eliminates the need for structure analysis and reduces roof load on replacement jobs
- **Utilizes existing gas and electrical connections** in many replacement jobs



ON HAND, ON DEMAND

Expanded manufacturing distribution ensures Raider® rooftop units are stocked and backed by dedicated local support for fast quotes and quick turnaround.

- **Increased manufacturing capacity** of emergency replacement rooftop units
- **Stocked in 100%** of all Commercial distribution facilities in North America
- **Dedicated local support** focused on quick quote turnaround

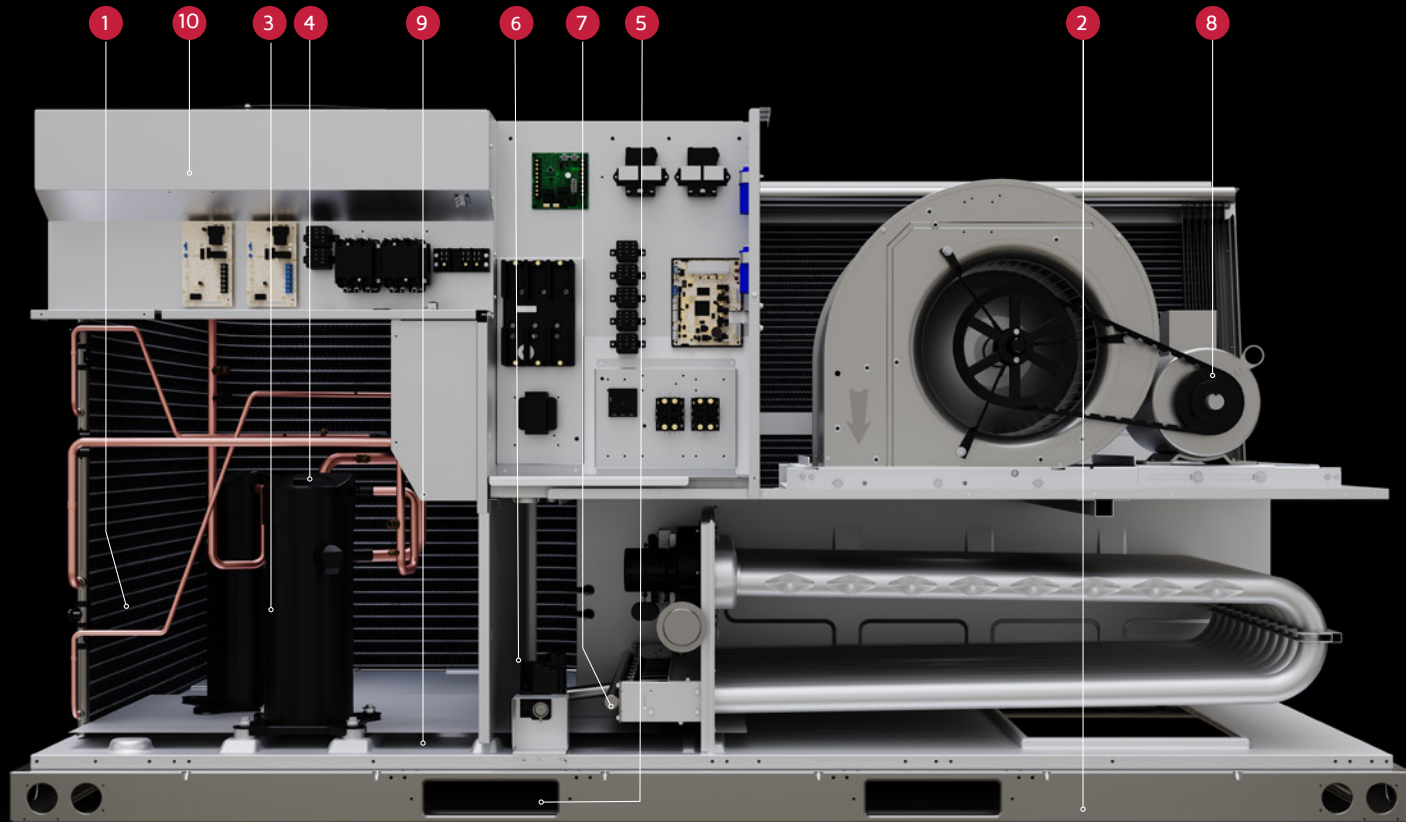


ROOF READY

Raider® Rooftop units are designed roof ready to quickly fit your application needs. These units come with a range of convenient features that make installation quick and easy.

- **Product line consisting of** 3-12.5 ton gas-electric and electric-electric, and 3-10 ton heat pump models
- **Simplified maintenance** with an accessible gas compartment, compressor access panel and tool-less filter access
- **Full-perimeter base rail** provides greater structural integrity, so the unit is easier to handle when rigging and transporting

RAIDER® ROOFTOP UNIT



- 1 **Environ coil system** uses up to 52% less refrigerant, is up to 59% lighter and has up to 20% fewer brazed joints than typical units.
- 2 **Full-perimeter base rail** provides greater structural integrity, so the unit is easier to handle when rigging and transporting.
- 3 **Scroll compressor** standard on all units for reliable, long-term operation.
- 4 **High and Low-pressure switches** - all units come standard with 5-strike low and high pressure trip control to improve reliability by safeguarding the compressor from extreme operating conditions.
- 5 **Fork slots** on three sides make it easy to pick up and transport units from almost any angle.

- 6 **Large gas access panel** provides easy access to all gas components.
- 7 **Additional gas heating tubes** allow lower temperatures per burner for increased reliability, while providing the same heating comfort.
- 8 **MSAV supply fan** achieves a higher level of energy savings and comfort control with blower speed modulation (2 Speed Belt Drive standard on 7.5 & 8.5-ton models, MSAV standard on 10-12.5-ton models).
- 9 **Power entry** electrical lines can be brought through the unit base or horizontal access knock-outs for fast, easy installation.
- 10 **Unit footprint** is compatible with 20+ years of existing units, eliminating the cost of an adaptor curb in many replacement jobs.

Toolless filter panel allows easy replacement of filters without the need for tools (not shown).

RAIDER® ROOFTOP UNIT R-454B PERFORMANCE SPECIFICATIONS

			COOLING DATA		HEATING PERFORMANCE					PHYSICAL DATA	
TYPE	NOMINAL TONNAGE	MODEL	EER2/EER	SEER2/IEER	STD.	MED.	HiGH			DIMENSIONS H X W X L [INCHES]	BASE WT. [LBS.]
GAS/ELECTRIC UNITS	3	ZGD036S5B/E	11.5	13.4	65	108	–			37 x 48 x 76	487
	4	ZGD048S5B/E	11.5	13.4	65	108	150			37 x 48 x 76	469
	5	ZGD060S5B/E	11.5	13.4	65	108	150			45 x 48 x 76	555
	6	ZGD074S5T	11.0	15.0	65	108	150			45 x 48 x 76	603
	7.5	ZGD092S5T	11.0	15.0	130	180	240			49 x 61 x 96	841
	8.5	ZGD102S5T	11.0	14.8	130	180	240			49 x 61 x 96	841
	10	ZGD120S5M	11.0	15.0	130	180	240			49 x 61 x 96	881
	12.5	ZGD150S5M	10.8	15.0	130	180	240			49 x 61 x 96	971
					KW RANGE*						
ELECTRIC/ELECTRIC UNITS	3	ZCD036S5B	11.5	13.4	5	7.5	10	15	–	37 x 48 x 76	437
	4	ZCD048S5B	11.5	13.4	5	7.5	10	15	22.5	37 x 48 x 76	446
	5	ZCD060S5B	11.5	13.4	5	7.5	10	15	22.5	45 x 48 x 76	531
	6	ZCD074S5T	11.2	15.5	7.5	10	15	22.5	30	45 x 48 x 76	531
	7.5	ZCD092S5T	11.2	15.0	7.5	15	22.5	30	45	49 x 61 x 96	793
	8.5	ZCD102S5T	11.2	14.8	7.5	15	22.5	30	45	49 x 61 x 96	793
	10	ZCD120S5M	11.2	15.0	15	22.5	30	45	60	49 x 61 x 96	833
	12.5	ZCD150S5M	11.0	15.0	15	22.5	30	45	60	49 x 61 x 96	923
					HSPF (HSPF2*)	47 CAP.	COP 47	17 CAP.	COP 17		
HEAT PUMP UNITS	3	ZHD036S5B	10.6	13.4	8.0 (6.7)	34,200	3.4	20,000	2.2	45 x 48 x 76	580
	4	ZHD048S5B	10.6	13.4	8.0 (6.7)	45,000	3.3	26,100	2.2	45 x 48 x 76	585
	5	ZHD060S5B	10.6	13.4	8.0 (6.7)	55,000	3.5	32,500	2.25	45 x 48 x 76	610
	7.5	ZHD092S5T	11.0	14.1	-	89,000	3.4	53,000	2.25	49 x 61 x 96	1,068
	8.5	ZHD102S5T	11.0	14.1	-	100,000	3.4	55,000	2.25	49 x 61 x 96	1,068
	10	ZHD120S5M	11.0	14.1	-	116,000	3.4	70,000	2.25	49 x 61 x 96	1,126

NOTE: Due to Lennox' ongoing commitment to quality, all specifications, ratings and dimensions are subject to change.

RAIDER® ROOFTOP UNIT FACTORY-AND FIELD-INSTALLED OPTIONS

COOLING		
Drain Pan Overflow Switch		Field
Low-Ambient Kit		Field
PVC or Copper Condensate Drain Trap		Field
BLOWER		
Blower - Supply Air Drive Kits		Factory
Low-Temp Vestibule Heater		Factory
HEATING		
Electric Heat		Field
Gas Heat		Factory
Stainless Steel Heat Exchanger		Factory
Combustion Air Intake Extensions		Field
LPG/Propane Conversion Kits		Field
Vertical Vent Extension		Field
CABINET		
Combination Coil/Hail Guards		Field
CONTROLS		
CS3000 and CS7500 Commercial Programmable Thermostats		Field
BACnet Module		Field
BACnet Thermostat with Display		Field
BACnet Thermostat without Display		Field
Smoke Detector Supply and/or Return		Field
INDOOR AIR QUALITY		
MERV 4 Filters		Field
Replacement Media Filter with Metal Mesh		Field
IAQ (Co2) Sensors		Field
ELECTRICAL		
Disconnect Switch		Factory, Field
Electrical Voltage (60 Hz, 208/230V 1ph, 208/230V, 460V, or 575V - 3ph)		Factory
GFCI Service Outlet		Field
Bottom Power Entry Kit Field Installed		Field
STANDARD ECONOMIZER		
Standard Economizer Downflow or Horizontal with Outdoor Air Hood (not for Title 24)		Field
Standard Economizer Controls (not for Title 24)		Field
HIGH PERFORMANCE ECONOMIZER		
High Performance Economizer with Outdoor Air Hood - Downflow		Factory, Field
High Performance Economizer with Outdoor Air Hood - Horizontal		Field
Economizer Controls - Single Sensible/ Enthalpy		Field
Economizer Controls - Differential Enthalpy		Field
Horizontal Barometric Relief Dampers - Hood Furnished		Field
OUTDOOR AIR		
Manual Outdoor Air Dampers		Field
Motorized Outdoor Air Dampers		Field
575V Transformer Kit Field Installed		Field
Power Exhaust Fan Standard Static		Field
ROOF CURBS/CEILING DIFFUSERS		
Roof Curbs (Standard, Clip, Hinged)		Field
Ceiling Diffusers		Field

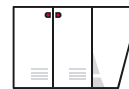


COMPLETE COMMERCIAL CLIMATE SOLUTIONS

Create your ideal building environment with the comprehensive Lennox Commercial portfolio. Each solution is engineered to optimize performance, energy-efficiency, serviceability and environmental impact. From Varix™ VRF Systems working alongside rooftop units to complete custom turnkey solutions, we'll help you find the perfect system for your needs.



Contact us to discuss your project and request a quote.
[Lennox.com/Commercial/Connect](https://www.lennox.com/commercial/connect)



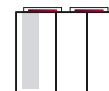
PACKAGED UNITS

Model L™, Enlight, Xion™, Raider®, Strategos®



VRF

Outdoor and Indoor Units,
 Controls, Accessories



SPLIT SYSTEMS

Elite® Series Large, Merit® Series Small,
 Air Handlers, Indoor Coils



COMMERCIAL CONTROLS

Lennox® CORE Control System, Lennox
 Commercial Thermostats and Sensors



MINI-SPLIT SYSTEMS

Outdoor and Indoor Units,
 Controls, Accessories



HEATING

Unit Heaters, Furnaces, Duct Furnaces



INDOOR AIR QUALITY

Dehumidification, Filtration, Purification

WITH YOU EVERY STEP OF THE WAY

Get fast, direct access to commercial HVAC expertise and equipment—straight from the source. Your Lennox team is here to help you be more efficient, informed and effective at every stage of your projects.



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