

The Model L™ rooftop units feature the Lennox® CORE Control System and advanced variable-speed technology to maximize energy savings. But that's just the beginning. Premium diagnostic features reduce installation, service, and maintenance expenses to provide the lowest total cost of ownership in the industry.

MODEL L ROOFTOP SERIES INTERNAL COMPARISON

BRAND	MODEL L LOW GWP	MODEL L R-410A
Electric/Electric	3 to 25 Tons (LCM)	3 to 25 Tons (LCM)
Gas/Electric	3 to 25 Tons (LGM)	3 to 25 Tons (LGM)
Efficiency Levels	Ultra-High	Ultra-High
Unit Controller	Lennox® CORE Unit Controller	Lennox® CORE Unit Controller
Condenser Coil	Environ™	Fin/Tube
Standard Cooling Range	0-125°F	0-125°F
Refrigerant Detection System (RDS)	Standard	N/A
Evaporator Coil	Fin/Tube (7.5-25 Tons) Environ™ (3-6 Tons)	Fin/Tube

BOX BY BOX COMPARISON

TONNAGE RANGE - A BOX	3-6 TONS	3-6 TONS
Cooling Stages	Fully-Variable	Fully-Variable
Heating Stages	2	2
Supply Fan Type	Direct Drive	Direct Drive
Supply Fan Control	SZVAV, VAV	SZVAV, VAV
SEER2/IEER (up to)	23.1	23.3
EER2 (up to)	14.3	15.0
TONNAGE RANGE - B BOX	7.5-12.5 TONS	7.5-12.5 TONS
Cooling Stages	Fully-Variable	Fully-Variable
Heating Stages	2	2
Supply Fan Type	Direct Drive	Direct Drive
Supply Fan Control	SZVAV, VAV	SZVAV, VAV
IEER (up to)	21.0	22.0
EER (up to)	12.7	12.6
TONNAGE RANGE - C BOX	13-25 TONS	13-25 TONS
Cooling Stages	Fully-Variable	Fully-Variable
Heating Stages	Up to 4	Up to 4
Supply Fan Type	Belt Drive	Belt Drive
Supply Fan Control	SZVAV, VAV	SZVAV, VAV
IEER (up to)	19.0	19.0
EER (up to)	12.2	12.2

CONTROLS COMPARISON

CONTROLS	MODEL L R-454B	MODEL L R-410A
Unit Controller	Lennox® CORE Unit Controller	Lennox® CORE Unit Controller
BACnet® MS/TP	Standard	Standard
BACnet® IP	Standard	Standard
LonTalk®	Option (Field/Factory)	Option (Field/Factory)
Novar® LSE	Option (Factory)	Option (Factory)
Fresh Air Tempering	Standard	Standard
Dirty Filter Switch	Option (Field/Factory)	Option (Field/Factory)
Blower Proving	Standard	Option (Field/Factory)

FEATURE COMPARISON

INDOOR AIR QUALITY	MODEL L R-454B	MODEL L R-410A
Humidity Control	Humiditrol® Option (Factory)	Humiditrol® Option (Factory)
Filters	MERV 8, 13, 16	MERV 8, 13, 16
UVC Lights	Option (Field/Factory)	Option (Field/Factory)
NPBI - Ionizers	Option (Field/Factory)	Option (Field/Factory)
Smoke Detector	Option (Field/Factory)	Option (Field/Factory)
OUTSIDE AIR QUALITY	MODEL L R-454B	MODEL L R-410A
High Performance Economizer	Option (Field/Factory)	Option (Field/Factory)
Motorized Outdoor Air Damper	Option (Field/Factory)	Option (Field/Factory)
Manual Outdoor Air Damper	Option (Field/Factory)	Option (Field/Factory)
Power Exhaust	Option (Field/Factory)	Option (Field/Factory)
RELIABILITY	MODEL L R-454B	MODEL L R-410A
High Pressure Switch	Standard	Standard
Indoor Coil Freeze Protection	Standard	Standard
Low Pressure Switch	Standard	Standard
Up to 100kA SCCR	Option (Factory)	Option (Factory)
Hail/Coil Guards	Option (Field/Factory)	Option (Field/Factory)
Drain Pan Overflow Switch	Option (Field/Factory)	Option (Field/Factory)
SERVICEABILITY	MODEL L R-454B	MODEL L R-410A
Hinged Access Panels with Handle	Standard	Standard
Slide Out Blower	Standard	Standard
Accessible Gas Heat	Standard	Standard
Fully Insulated Base	Standard	Standard
Isolated Compressor Compartment	Standard	Standard

