



## R-454B INTERNAL ROOFTOP COMPARISON

| Brand                 | Model L™                               | Enlight                      | Xion™                        | Raider®                                     |
|-----------------------|----------------------------------------|------------------------------|------------------------------|---------------------------------------------|
| Electric/Electric     | 3 to 25 Tons (LCM)                     | 3 to 30 Tons (LCT)           | 2 to 25 Tons (LCX)           | 3 to 12.5 Tons (ZCD)                        |
| Gas/Electric          | 3 to 25 Tons (LGM)                     | 3 to 30 Tons (LGT)           | 2 to 25 Tons (LGX)           | 3 to 12.5 Tons (ZGD)                        |
| Heat Pump             | -                                      | 3 to 25 Tons (LHT)           | 2 to 20 Tons (LHX)           | 3 to 10 Tons (ZHD)                          |
| Dual Fuel             | -                                      | 3 to 25 Tons (LDT)           | -                            | -                                           |
| Efficiency Levels     | Ultra-High                             | High                         | Standard                     | Standard                                    |
| Unit Controller       | Lennox® CORE                           | Lennox® CORE                 | Lennox® CORE Lite            | Basic A2L Controller                        |
| Humidity Control      | Humiditrol+™<br>(Modulating HGRH), EDH | Humiditrol®<br>(On/Off HGRH) | Humiditrol®<br>(On/Off HGRH) | -                                           |
| Hinged Access Panels  | Standard                               | Standard                     | Option (Factory)             | -                                           |
| Independent Circuits  | All Models                             | All Models                   | All Models                   | All Models                                  |
| Footprint             | Lennox                                 | Lennox                       | Lennox                       | Carrier Replacement                         |
| Control Types         | Model L™                               | Enlight                      | Xion™                        | Raider®                                     |
| 24V Thermostat        | Standard                               | Standard                     | Standard                     | Standard                                    |
| Room Sensor           | Standard                               | Standard                     | Standard                     | -                                           |
| Humidity Control      | 24V, 0-10VDC, CS8500, BAS              | 24V, 0-10VDC, CS8500, BAS    | 24V, 0-10VDC, CS8500, BAS    | -                                           |
| BACnet® MS/TP         | Standard                               | Standard                     | Option (Field) - Q3 2025     | 3rd Party (Field)                           |
| BACnet® IP            | Standard                               | Standard                     | -                            | -                                           |
| LonTalk®              | Option (Field/Factory)                 | Option (Field/Factory)       | -                            | -                                           |
| Novar® LSE            | Option (Factory)                       | Option (Factory)             | -                            | -                                           |
| Discharge Air Control | Standard                               | MZVAV - Standard             | -                            | -                                           |
| Box Size - A          | 3-6 Tons                               | 3-6 Tons                     | 2-6 Tons                     | 3-6 Tons                                    |
| Cooling Stages        | Variable Speed                         | 2                            | 2-5 T (1) 6 T (2)            | 3-5 T (1) 6 T (2)                           |
| Gas Heating Stages    | 2                                      | 2                            | Up to 2                      | Up to 2                                     |
| Supply Fan Type       | Direct Drive                           | Direct Drive                 | Direct Drive, Belt Drive     | Direct Drive, Belt Drive                    |
| Supply Fan Control    | SZVAV, MZVAV                           | MSAV®                        | CAV, MSAV®                   | CAV, MSAV®                                  |
| SEER2/IEER (up to)    | 21.2 / 23.1                            | 17.5 / 17.3                  | 14 / 15.5                    | 13.4 / 15.5                                 |
| EER2 (up to)          | 14.3                                   | 13.5                         | 11.5                         | 11.0                                        |
| Box Size - B          | 7.5-12.5 Tons                          | 6.5-12.5 Tons                | 7.5-12.5 Tons                | 7.5-12.5 Tons                               |
| Cooling Stages        | Variable Speed                         | 3                            | 3                            | 3                                           |
| Gas Heating Stages    | 2                                      | 2                            | 2                            | 2                                           |
| Supply Fan Type       | Direct Drive                           | Direct Drive                 | Belt Drive - VFD             | Belt Drive<br>2S - 7.5, 8.5T; VFD 10, 12.5T |
| Supply Fan Control    | SZVAV, MZVAV                           | MSAV®, MZVAV                 | MSAV®                        | MSAV®                                       |
| IEER (up to)          | 21.0                                   | 17.0                         | 15.0                         | 15.0                                        |
| EER (up to)           | 12.7                                   | 12.7                         | 11.2                         | 11.2                                        |
| Box Size - C/D        | 13-25 Tons                             | 13-30 Tons                   | 15-25 Tons                   | N/A                                         |
| Cooling Stages        | Variable Speed                         | Up to 4                      | Up to 3                      | -                                           |
| Gas Heating Stages    | Up to 4                                | Up to 4                      | Up to 4                      | -                                           |
| Supply Fan Type       | Belt Drive - VFD                       | Belt Drive - VFD             | Belt Drive - VFD             | -                                           |
| Supply Fan Control    | SZVAV, MZVAV                           | MSAV®, MZVAV                 | MSAV®                        | -                                           |
| IEER (up to)          | 19.0                                   | 16.2                         | 14.2                         | -                                           |
| EER (up to)           | 12.2                                   | 12.2                         | 11.0                         | -                                           |



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| Outside Air                        | Model L™               | Enlight                | Xion™                               | Raider®                |
|------------------------------------|------------------------|------------------------|-------------------------------------|------------------------|
| ULL Economizer                     | Option (Field/Factory) | Option (Field/Factory) | Option (Field/Factory)              | Option (Field/Factory) |
| Standard Economizer                | -                      | -                      | -                                   | Option (Field)         |
| Motorized OAD                      | Option (Field/Factory) | Option (Field/Factory) | Option (Field)                      | Option (Field)         |
| Manual OAD                         | Option (Field)         | Option (Field)         | Option (Field)                      | Option (Field)         |
| Power Exhaust                      | Option (Field/Factory) | Option (Field/Factory) | Option (Field)                      | Option (Field)         |
| Reliability                        | Model L™               | Enlight                | Xion™                               | Raider®                |
| Refrigerant Detection System (RDS) | Standard               | Standard               | Standard                            | Standard               |
| High Pressure Switch               | Standard               | Standard               | Standard                            | Standard               |
| Indoor Coil Freeze Protection      | Standard               | Standard               | Standard                            | Standard               |
| Low Pressure Switch                | Standard               | Standard               | Standard                            | Standard               |
| 3-Strike Protection                | Standard               | Standard               | Standard                            | -                      |
| Up to 100kA SCCR                   | Option (Factory)       | Option (Factory)       | -                                   | -                      |
| Hail/Coil Guards                   | Option (Field/Factory) | Option (Field/Factory) | Option (Field/Factory)              | Option (Field)         |
| Drain Pan Overflow Switch          | Option (Field/Factory) | Option (Field/Factory) | Option (Field)                      | Option (Field)         |
| Dirty Filter Switch                | Option (Field/Factory) | Option (Field/Factory) | Option (Field)                      | -                      |
| Blower Proving                     | Standard               | Standard               | Standard                            | -                      |
| Standard Mechanical Cooling Range  | 0-125°F                | 0-125°F                | 2-6T: 0-125°F;<br>7.5-25T: 45-125°F | 45-125°F               |
| Serviceability                     | Model L™               | Enlight                | Xion™                               | Raider®                |
| Hinged Access Panels               | Standard               | Standard               | Option (Factory)                    | -                      |
| CORE Service APP                   | Standard               | Standard               | Standard                            | -                      |
| Accessible Heating                 | Standard               | Standard               | Standard                            | Standard               |
| Slide Out Blower                   | Standard               | Standard               | Standard                            | Standard (7.5-125T)    |
| Toolless Filter Access             | Standard               | Standard               | Standard                            | Standard               |
| Fully Insulated Base               | Standard               | Standard               | Standard                            | -                      |
| Isolated Compressor Compartment    | Standard               | Standard               | Standard                            | -                      |
| Indoor Air Quality                 | Model L™               | Enlight                | Xion™                               | Raider®                |
| Filters (Up to MERV 16)            | (Field/Factory)        | (Field/Factory)        | (Field)                             | (Field)                |
| Smoke Detector(s)                  | Option (Field/Factory) | Option (Field/Factory) | Option (Field)                      | Option (Field)         |
| NPBI - Ionizers                    | Option (Field)         | Option (Field)         | Option (Field)                      | Option (Field)         |
| UVC Lights                         | Option (Field)         | Option (Field)         | Option (Field)                      | Option (Field)         |
| Fresh Air Tempering                | Option (Field/Factory) | Option (Field/Factory) | -                                   | -                      |



Note – Due to our ongoing commitment to quality, all specifications, ratings, and dimensions are subject to change without notice. For the latest technical information, [Lennox.com/Commercial](http://Lennox.com/Commercial) | Contact us at 1-800-4-LENNOX

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