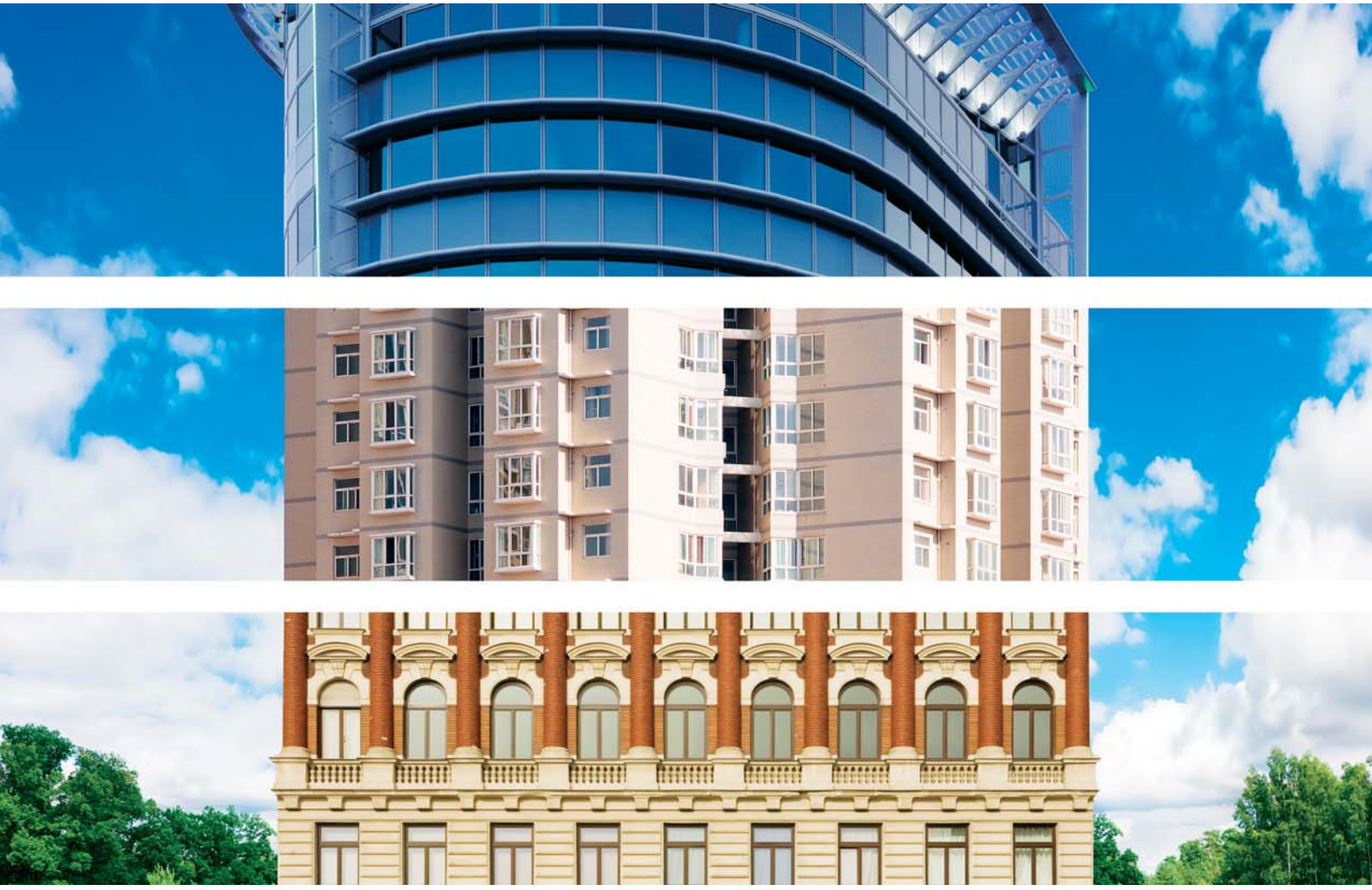


ANY BUILDING. EVERY TIME.

THE TECHNOLOGY AND EXPERTISE OF LENNOX® VRF.

LENNOX® VRF FITS WHERE YOU WORK.

Lennox® VRF is a flexible, versatile solution that is ideal for a wide range of structures and industries.

LODGING

Allows guests to sleep soundly by enjoying lower sound levels and better temperature control made possible by Lennox® VRF.

HEALTHCARE

Non-ducted indoor units help prevent cross contamination, while ducted units with industry-leading static pressure meet HEPA filtration needs.

OFFICE

Lets every office and common area enjoy its own individual temperature control for better comfort and zoning.

RETAIL

Eliminates temperature swings, yet still reacts to the changing heating and cooling demands throughout a typical sales day.

EDUCATION

Creates a more effective learning environment by providing low sound levels, better temperature control and energy efficiency that saves budget dollars.

MULTI-FAMILY STRUCTURES

Provides a high-efficiency, low-maintenance comfort solution that appeals to residents, while service-friendly equipment makes life simple for management.

DINING

Gives diners and kitchen staff greater comfort through part-load operation, even with the diverse loading conditions a restaurant experiences during a typical day.

CONNECTING TECHNOLOGY WITH EXPERTISE.

When you select Lennox® VRF, you're making a very smart choice. Because you're not only getting the benefits of VRF, you're also getting the benefits of the entire company behind it.

HISTORY

Lennox® VRF is supported by more than a century of heating and cooling experience. Lennox knows indoor comfort, inside and out.

QUALITY

Lennox VRF has been extensively tested and proven to make sure it meets the exacting standards Lennox sets for reliability.

EXPERTISE

When you select Lennox VRF, you're choosing technology backed by expertise. Lennox HVAC professionals understand the challenges faced by engineers and contractors in designing and specifying a heating and cooling system, which is why you'll find so many resources available.

The Lennox VRF App
Full of helpful tools for contractors, including a refrigerant charge calculator, error code database and even instructional how-to videos created by HVAC experts.

The Lennox VRF Website
LennoxVRF.com contains a wealth of helpful resources to help commercial dealers on every job. Sections on the site include product information, technical documents, specifications, engineering handbooks and a sign-up area for VRF training from Lennox.

LENNOX® VRF AT A GLANCE

Advantages to every customer and every project.

INVERTER TECHNOLOGY
Adjusts compressor speed based on heating and cooling demand for reduced energy use.

IMPROVED HEAT TRANSFER
With hydrophilic fins and rifled copper tubing.

ADVANCED DEFROST CYCLE
A shorter defrost cycle preserves warmth and comfort in cooler weather. Heat recovery systems are capable of providing continuous heating during the defrost cycle.

DC FAN MOTORS
Provide greater efficiency and energy savings over standard AC motors.

SIMPLIFIED WIRING SCHEME
Daisy-chained, low-voltage control wiring simplifies installation and reduces time and labor costs.

INNOVATIVE FAN
Blade design engineered for lower noise levels.

FASTER MAINTENANCE
Simple to clean the coils and change the filter.

SIMPLE TO SERVICE
With a hinged electrical control box and front-mounted compressor for easy access.

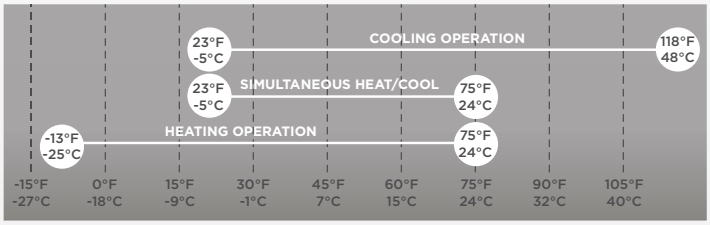
WIDE RANGE OF INDOOR UNITS
Lennox® VRF works with many different floor plans and structural designs.

ADAPTS TO A WIDE VARIETY OF BUILDINGS AND PROJECTS

The Lennox VRF system is incredibly efficient and flexible. Each zone can have its own dedicated fan coil unit, all of which share a common condensing unit. With flexible system piping lengths, condensing units can be located wherever space is available.

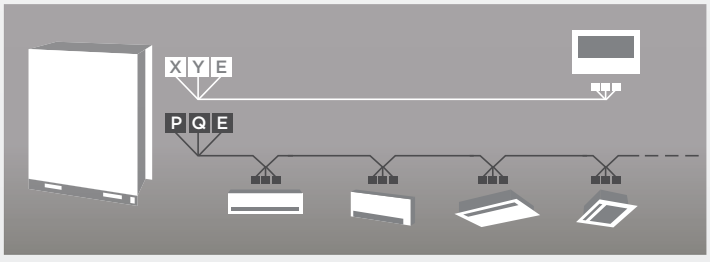
Many different indoor unit configurations are available with Lennox VRF, allowing the system to easily integrate with any number of interior designs.

AMBIENT TEMPERATURE OPERATING RANGE



Lennox VRF works in heating mode down to a temperature of -13° F (-25°C), and cools in temperatures up to 118.4°F (48°C).

DAISY-CHAINED COMMUNICATIONS



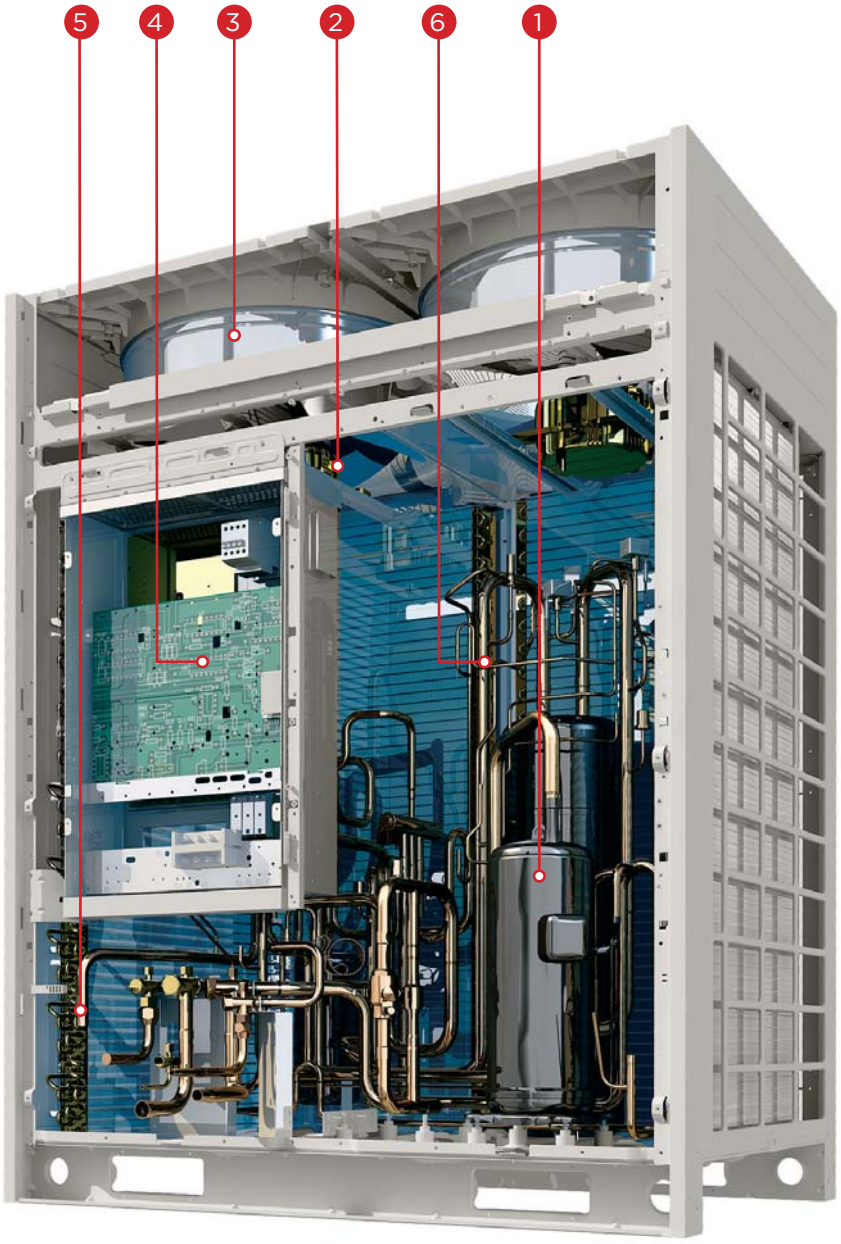
For easier installation and setup, communication wiring can be shared by multiple indoor and outdoor units.

OUTDOOR UNITS

Smart design features are found throughout each outdoor unit, designed to save energy, increase convenience and extend equipment life.

FLEXIBLE SYSTEM LAYOUT
Outdoor units can connect with up to 3,280 ft. (1000m) of piping to accommodate even the largest structures and projects.

ENERGY-SMART NIGHT MODE
Outdoor units can be set to run at reduced speeds at night for even greater efficiency and reduced noise levels.



1 DC INVERTER COMPRESSORS
Lennox® VRF utilizes only inverter-driven compressors to maximize efficiency and system longevity. A 2 Hz frequency step allows the system to operate at the required capacity with greater precision, for fine-tuned comfort and greater energy savings.

2 DC FAN MOTORS
Highly efficient DC fan motors power condensing unit fans, with 18 different speeds for precise airflow control and greater efficiency than standard AC motors.

3 ASYMMETRIC FAN BLADE DESIGN
A specially engineered fan blade design optimizes airflow while reducing noise. Lennox VRF also utilizes dissimilar fan blades to eliminate in-phase “pulsing” and minimize sound levels.

4 HINGED ELECTRICAL BOX
Allows quick and easy access to piping and valves for faster service and troubleshooting.

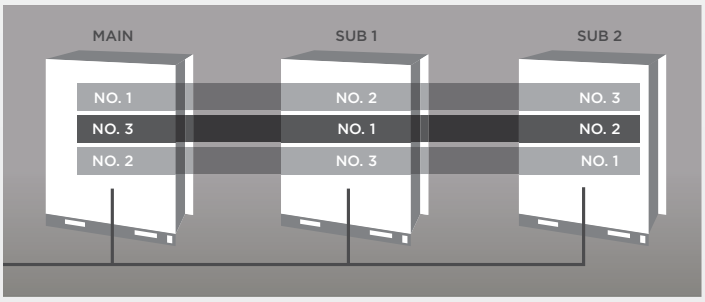
5 ADVANCED DEFROST CYCLE
Heat recovery systems in the Lennox VRF line use a split-coil defrost cycle that allows the system to provide heat even when defrosting. Heat pump systems use an accelerated complete-coil defrost that can last as little as four minutes.

6 RIFLED COPPER TUBING
Works with hydrophilic fins for greater heat transfer, efficiency and performance.

OUTDOOR UNITS BY TONNAGE

		
VRA Heat Recovery Outdoor Unit	*VPA Heat Pump Outdoor Unit*	*Mini-VRF Heat Pump Outdoor Unit*
6–36 Tons Capacity	*6–36 Tons Capacity*	*3–4 Tons Capacity*

INTELLIGENT LEAD/LAG OPERATION



Systems with multiple condensing units will cycle the lead condensing unit operation upon startup to extend system life. In the event that a fault is detected in the master unit, one of the other condensing units can be configured as the master unit, allowing the system to continue operation.

INDOOR UNITS

Lennox® VRF systems include a wide selection of indoor units, each offering a different form factor to accommodate different building designs and construction needs. Every indoor unit contains smart features to increase efficiency and functionality:

AUTO RESTART
Restores operation after power failure.

AUTO ADDRESSING
Heat pump and mini-VRF systems automatically assign indoor unit addresses upon startup. Heat recovery systems can be addressed quickly and easily using the handheld wireless controller.

DRY MODE
Indoor units operate with greater humidity control and comfort.

WASHABLE FILTER
Helps preserve indoor air quality while reducing waste.

WASHABLE PANEL
Keeps appearance neat and clean.

PRE-HEAT FUNCTION
Prevents air from circulating during heating mode until the indoor coil has sufficiently warmed.

REMOTE ON/OFF
Provides convenience and energy savings.

ERROR STATUS
Alerts the user if a fault is detected or maintenance is needed.

VWMA
WALL MOUNT

FLEXIBLE INSTALLATION
Refrigerant piping can be routed to the left, right or rear

AUTO-SWING LOUVER
Automatically redirects air based on mode selected

QUIET OPERATION
Noise levels as low as 29 dB

V22A
COMPACT 360° CASSETTE

360° AIR OUTLET
Provides uniform temperature distribution

COMPACT CASING
Fits directly into a lay-in ceiling grid, while reducing installation space requirements above the ceiling

INTEGRAL CONDENSATE PUMP
Removes moisture quickly and conveniently

V33A
360° CASSETTE

360° AIR OUTLET
Provides uniform temperature distribution

OUTSIDE AIR CONNECTION
Allows ventilation air to be induced directly into the unit

INTEGRAL CONDENSATE PUMP
Removes moisture quickly and conveniently

DC MOTOR
Available in a DC motor configuration for maximum energy efficiency

VCFA
CEILING AND FLOOR MOUNT

FLEXIBLE INSTALLATION
Installs either vertically or horizontally

VERTICAL AND HORIZONTAL AUTO SWING
Ensures better airflow distribution

COMPACT INSTALLATION
Less than 8.5″ (216mm) in height

VHIA
HIGH-STATIC DUCTED

HIGH STATIC PRESSURE
Industry-leading static pressure up to 1.13″

LOW PROFILE HEIGHT
For space-saving applications

OPTIONAL CONDENSATE PUMP
Removes moisture quickly and conveniently

VMDA
MEDIUM-STATIC DUCTED

COMPACT INSTALLATION
A height of only 8.25″ (210mm) makes this unit ideal when space above the ceiling is limited

INTEGRAL CONDENSATE PUMP
Removes moisture quickly and conveniently

DC MOTOR
Available in a DC motor configuration with increased static pressure capabilities

VVCA
VERTICAL AIR HANDLING UNIT

ECM MOTOR
For maximum energy efficiency

MULTI-POSITION
Install vertically or in horizontal-right or horizontal-left orientations for maximum flexibility

OPTIONAL ELECTRIC HEAT
Up to 20kW

MODE SELECTION BOXES

Save energy, reuse heat and maximize comfort with a Mode Selection Box.

The Mode Selection Box is the key to heat recovery operation. By routing either liquid or discharge gas to each indoor unit, the Mode Selection Box allows independent heating and cooling in each unit.

Liquid, suction and hot-gas refrigerant piping are connected to the outdoor unit side of the Mode Selection Box. The proper refrigerant phases are then routed to each individual set of indoor unit refrigerant ports, allowing each indoor unit to operate in heating or cooling mode independently.

Mode Selection Boxes are available in 2-port, 4-port and 6-port options, for connecting up to 24 indoor units to a single box.

OUTSTANDING EFFICIENCY IN EVERY ROOM

The Mode Selection Box is key to Lennox® VRF heat recovery systems' industry-leading efficiency. The systems boast the highest Simultaneous Cooling & Heating Efficiency (SCHE**) numbers of any VRF manufacturer, up to **50% higher** than competitors with similar equipment.

			
MODEL V8MSBB01* 1-PORT (Twinned)	**MODEL V8MSBB02** 2-PORT	**MODEL V8MSBB03** 4-PORT	**MODEL V8MSBB04** 6-PORT

**V8MSBB01 is used for single indoor units with a capacity greater than 54,000 Btu/h.*
***SCHE is defined by AHRI Standard 1230 as the ratio of the total capacity of the system (heating and cooling capacity) to the effective power when operating in the heat recovery mode.*

CONTROLS

Lennox® VRF equipment is flexible in its comfort control, and its applications. With multiple control options and accessories available, it can be customized to create an ideal environment in every room, in any season.

LVM CENTRALIZED CONTROL:
A single touchscreen control to monitor and adjust every unit in a Lennox VRF system. Access through mobile and desktop devices to put total control of the entire system at your fingertips, including full time-of-day scheduling, error code and status history, and more.

THE LVM FEATURES:
- Centralized monitoring and control for up to 1,024 indoor units and 64 systems
- Available in 15- or 12-inch touchscreen
- Standard with web access

PROGRAMMABLE WIRED CONTROLLER
V0STAT51P

SIMPLE WIRED CONTROLLER
V0STAT54P

WIRELESS REMOTE CONTROLLER
V0STAT52P

INDOOR UNIT CENTRALIZED CONTROLLER
V0CTRL75P

CONTROLS ACCESSORIES

Lennox VRF offers accessories for controls to meet the unique needs of your project.

BACNET® GATEWAY
V0CTRL86P

HOTEL KEY CARD INTERFACE
V0CTR88OP

INFRARED SENSOR
V0SNSR78P

AUXILIARY HEAT RELAY
V0CTRL90P

REMOTE-MOUNTED RETURN AIR THERMISTOR FOR INDOOR UNITS
V0SNSR00P

LONWORKS® GATEWAY
V0CTRL87P

LENNOX® VRF. CONTINUING A LEGACY OF EXCEPTIONAL HVAC.

When Dave Lennox created his first riveted-steel furnace in 1895, it started our company on a journey of innovation in heating and cooling. A journey which has led to Lennox® VRF, the latest example of our ongoing commitment to efficiency, adaptability and superb indoor comfort.

When you select Lennox VRF, you're not only getting an incredibly flexible, energy-efficient system, you're also tapping into the extensive expertise that only Lennox can offer.

In addition, financing options through Lennox Commercial Financing℠ help put Lennox VRF in reach of nearly any business.

For more information, visit us at www.LennoxVRF.com, or contact us at 1-844-GET-VRF1.

LENNOX®

Innovation never felt so good.®

12F50 12/15 PC83541