

## CITY MULTI® N-GENERATION: TIERED PRODUCT LINEUP

The CITY MULTI N-Generation features a tiered product lineup to satisfy the diverse design conditions of commercial applications. N-Generation outdoor units offer improved heating and cooling performance in virtually any application. Our product lineup includes:

### Standard Efficiency

- ▶ IEER improvement of up to 17% over prior generations
- ▶ Up to 295 feet of vertical separation between outdoor and indoor unit(s)
  - an improvement of 131 feet
- ▶ Reduced footprint of up to 30% over prior generations
- ▶ Reduced refrigerant volume – up to 36% over K-Generation and up to 13% over L-Generation

### High Efficiency

- ▶ Improved heating performance providing up to 78% heating capacity down to -13° F
- ▶ Flash injection technology built-in as standard
- ▶ Up to 11% IEER improvement over N-Generation Standard Efficiency
- ▶ Larger single capacity modules: 16, 18, and 20 ton units (coming Fall 2019)

### H2i®

- ▶ Improved Hyper-Heating INVERTER® (H2i) technology delivers superior heating performance in extreme climates
- ▶ Introduction of 10 ton single module
- ▶ Provides continuous heating during defrost, reducing occupant comfort complaints

### BC Controllers (for R2-Series Systems)

- ▶ Reduction in height of approximately 14% compared to previous model
- ▶ Connect up to 11 sub-BC Controllers per main BC Controller
- ▶ Increased piping distance from the main BC Controller to the furthest indoor unit
- ▶ Inclusion of service access from the bottom

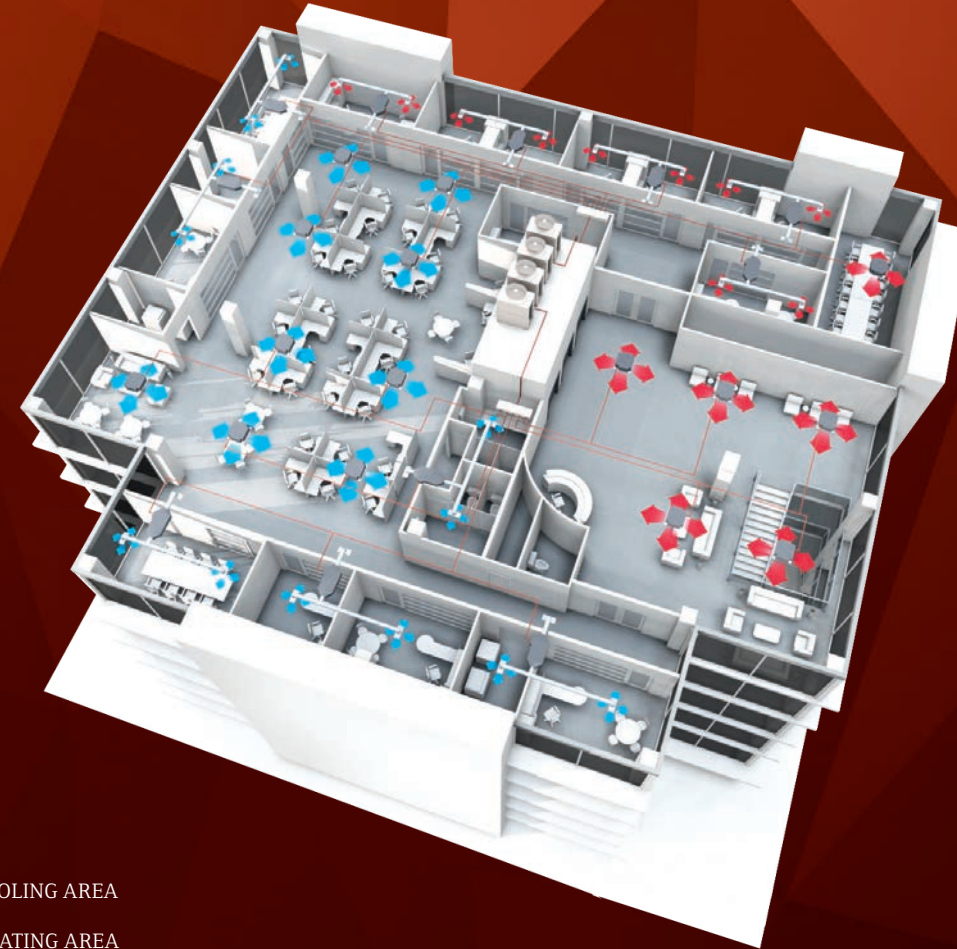


## WANT TO KNOW MORE ABOUT VRF TECHNOLOGY

When was the last time you found a building technology that improves occupant comfort without increasing costs or complexity? Variable Refrigerant Flow (VRF) is the ideal HVAC technology for facilities that need an energy-efficient solution. Unlike other options, VRF systems can produce 30 to 40 percent energy savings, which is significant when 50 percent of a building's energy usage comes from its HVAC system.

Source: City Multi® VRF: A New Approach to Zoning Efficiency. Mitsubishi Electric Inc. 2016

With VRF, small diameter piping delivers conditioned refrigerant directly to the space requiring conditioning, improving energy efficiency and increasing the temperature precision. Since each area or zone can be controlled individually, occupants can control personal comfort without impacting surrounding zones.



COOLING AREA  
HEATING AREA



## N-GENERATION

CITYMULTI® VRF

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# INTRODUCING THE CITYMULTI® N-GENERATION

Mitsubishi Electric Trane HVAC US (METUS) presents the CITY MULTI N-Generation outdoor unit, an advanced VRF system in a smaller package. The new generation represents the latest in a long line of innovations designed to maximize energy efficiency, improve flexibility, and increase performance without sacrificing occupant comfort. Whether you're a property owner, engineer, architect or contractor, CITY MULTI N-Generation is the ideal choice. With operating and lifecycle costs lower than you might expect, there's never been a better time to get comfortable with VRF.



## WHY CHOOSE N-GENERATION FROM MITSUBISHI ELECTRIC TRANE HVAC US?

METUS is an industry leader in VRF cooling and heating technology. The CITY MULTI product line was introduced to the United States over 15 years ago as the first Variable Refrigerant Flow system for commercial use in the USA. Since then, we've rapidly advanced the technology to provide solutions to meet most commercial applications. Here are just a few advantages that the N-Generation brings to your next commercial project.

### FEATURES:

#### Improved Design Flexibility

Tiered product line-up – Standard Efficiency, and improved H2i hyper-heating models, resulting in further application flexibility for an owner.

- ▶ With up to a 30% smaller footprint than previous outdoor units, and a unique four sided heat exchanger, the N-Generation maximizes usable space and outdoor unit placement without sacrificing performance
- ▶ Expanded vertical piping limits, up to 295 feet, increase design options within a building
- ▶ The redesigned main Branch Circuit (BC) Controller features a 14% reduction in height over previous models along with a removable drain pan
- ▶ Connect up to 11 sub-BC Controllers to one main to increase design possibilities
- ▶ N-Generation outdoor units require up to 13% less refrigerant charge than L-Generation systems, saving you installation time and money
- ▶ Broader range of capacities, with models from 6 to 32 tons



#### Improved Operational Flexibility

- ▶ Increased energy efficiency with up to 27% IEER improvement over prior generations
- ▶ New four sided heat exchanger, compressor and fan blade design improve both nominal and seasonal efficiency levels
- ▶ Unique flat tube aluminum heat exchanger ensures maximum heat transfer, particularly at part-load conditions
- ▶ Improved heating performance, with flash injection technology standard on High-Efficiency models, provides comfort in any climate
- ▶ Built-in USB port allows for storage and download of up to five days of operational data directly into Maintenance tool, leading to simplified troubleshooting and maintenance



HexiCoil™ Technology



Inverter Compressor

#### Ultra-quiet noise levels

- ▶ Improved compressor and fan designs reduce noise output, with decibel levels as low as 56.5 dB(A), a reduction from prior generations
- ▶ Sound levels further reduced with five adjustable airflow settings, with incremental capacity steps, resulting in varied system noise levels

#### Industry-Leading Support

- ▶ No one supports VRF technology better than Mitsubishi Electric Trane HVAC US
- ▶ Unmatched project assistance from system design through start-up, installation, and ongoing technical support
- ▶ Industry-leading training programs that help you apply and get the most out of CITY MULTI systems

N-Generation offers more design flexibility, improved operational flexibility and industry leading support. These are just a few of the powerful reasons to choose the new CITY MULTI N-Generation outdoor unit for your next project. Let Mitsubishi Electric Trane HVAC US solve your design, comfort and efficiency challenges. For more information, visit [Trane.com/Ductless](http://Trane.com/Ductless) or contact your local Trane office.

[trane.com/ductless](http://trane.com/ductless)