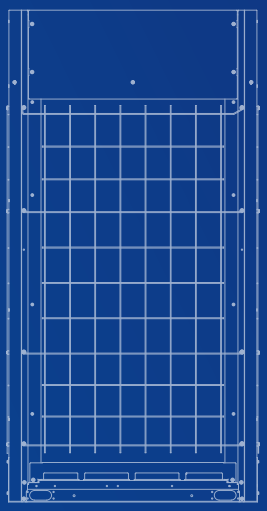
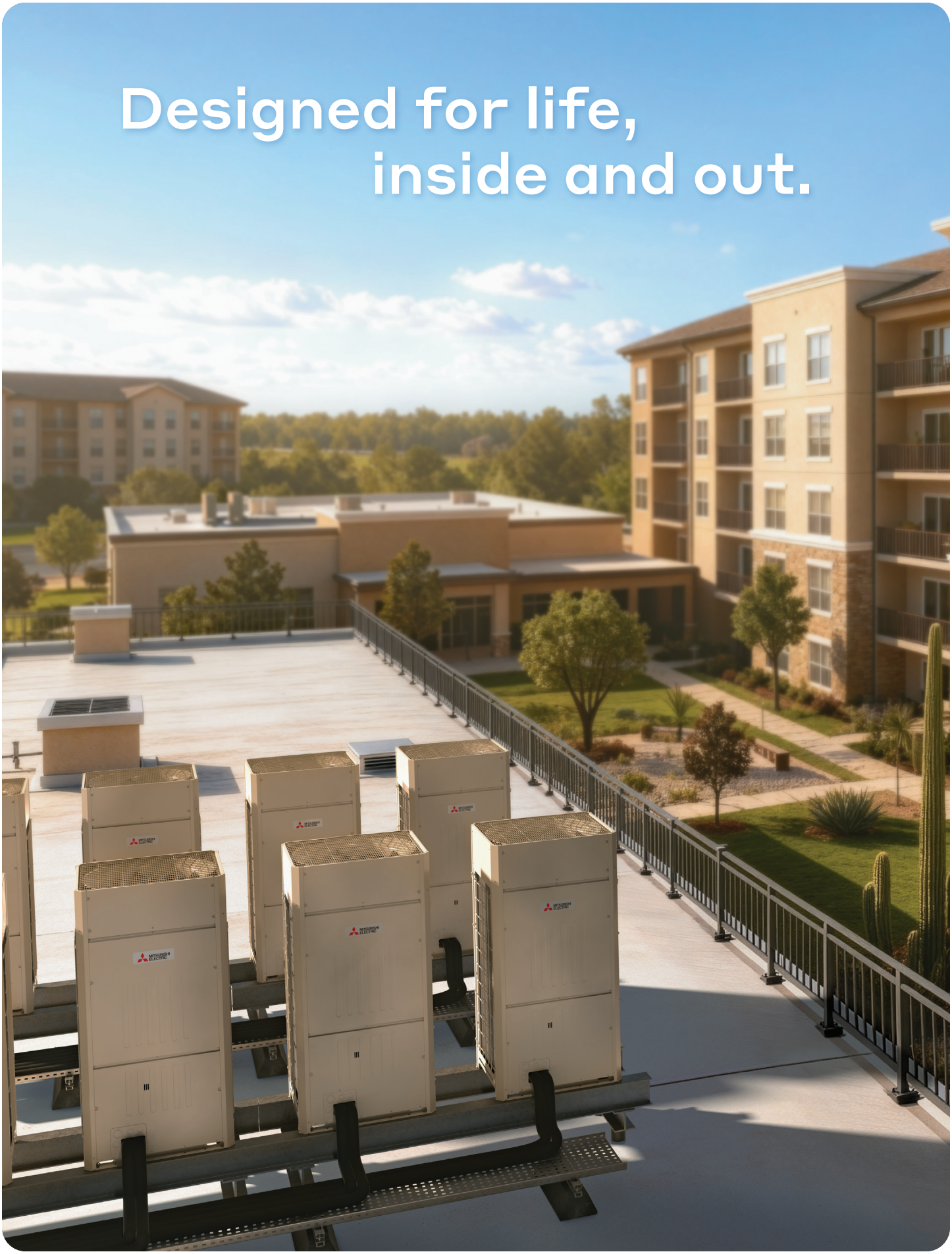
MITSUBISHI ELECTRIC
HEATING & AIR CONDITIONING

July 2026



CITY**MULTI**®
Commercial Solutions Catalog

The industry leader in efficiency, control, and design flexibility


Designed for life,
inside and out.

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A legacy of defining comfort, efficiency, and performance

For more than 30 years, Mitsubishi Electric has advanced the way buildings are heated and cooled. From high-rises and hotels to schools and multi-family residences, we deliver comfort without compromise — engineered for efficiency, reliability, and sustainability.

As the leading provider of ductless and Variable Refrigerant Flow (VRF) systems, Mitsubishi Electric Trane HVAC US has continued to drive innovation with next-generation R-32 refrigerant technology, helping engineers and owners achieve performance and sustainability goals through superior design flexibility, quiet operation, and reduced environmental impact. Many of our systems are ENERGY STAR® certified and may be eligible for federal and state incentives or local utility rebates.

We deliver technology that's truly worry free. Once installed, contractors and customers can count on reliable performance without a second thought. Mitsubishi Electric stands as a company with one of the industry's lowest rates of service issues, reflecting our commitment to quality and dependability. We aim for customer and installer peace of mind and are committed to delivering solutions that meet high quality standards.

Next-generation refrigerant

Compared to legacy refrigerants, R-32 offers approximately 68% lower Global Warming Potential (GWP) than R-410A*, along with improved thermodynamic efficiency and reduced refrigerant charge requirements. These attributes contribute to lower lifecycle costs and a more environmentally conscious solution.

Combined with our inverter-driven VRF architecture, R-32 delivers:

- Higher system efficiency across partial load conditions.
- Reduced operating costs and environmental impact.
- Higher performance under extreme weather conditions.
- Optimized compressor performance with improved heat transfer properties.

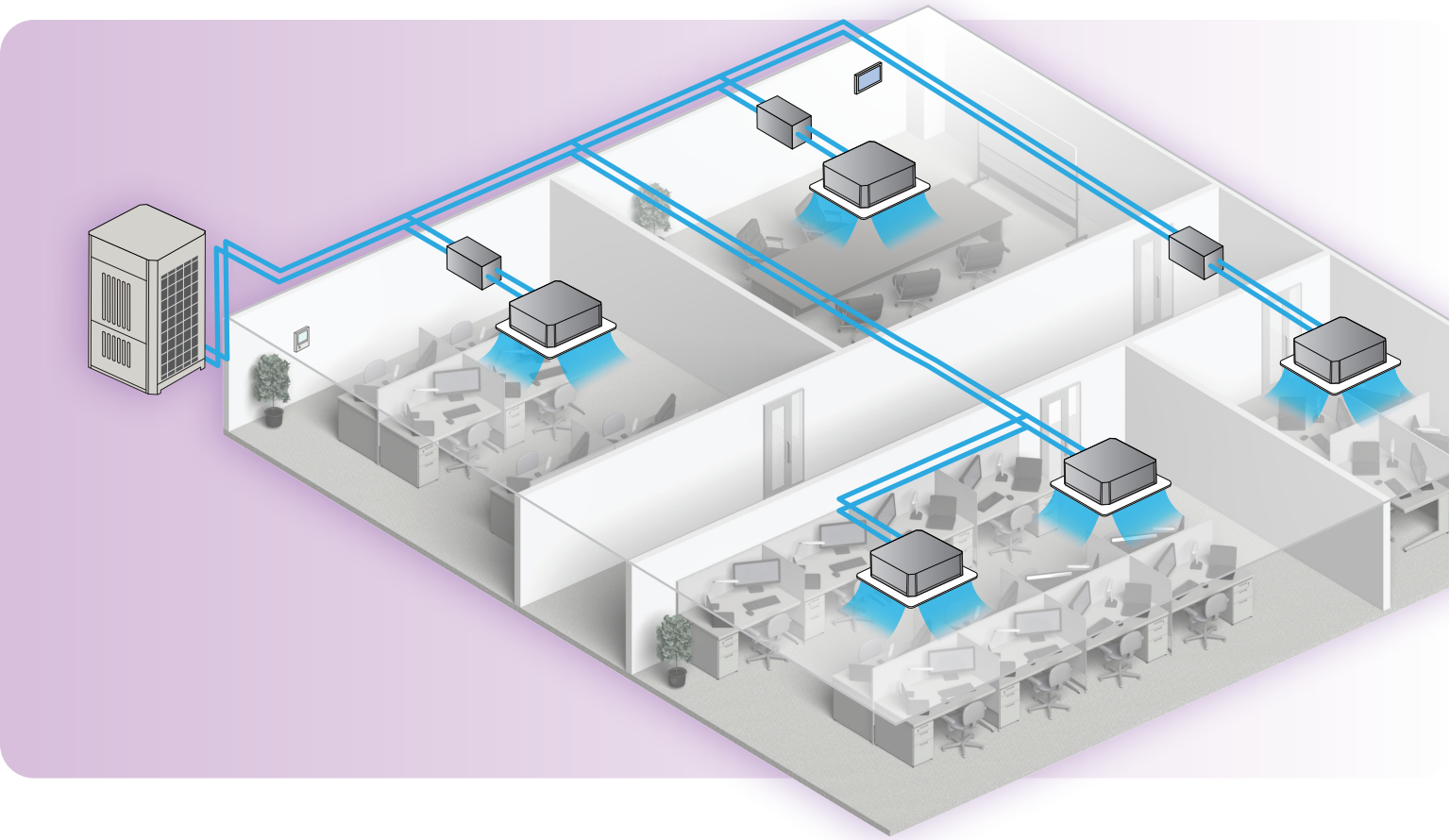
American Innovation and Manufacturing (AIM) Act Compliance deadlines

- Manufacture/import of R-410A systems >65,000 BTU/H is prohibited after Dec 31, 2025.
- Installation of R-410A systems >65,000 BTU/H will not be allowed after Dec 31, 2026.
- To be determined dates banning R-410A installations: State and local ordinances may vary.

Customer value

- Meets newest refrigerant regulations.
- Lower environmental impact and operating costs.
- Higher critical temperature for high ambient climates.
- Our A2L systems embody the future of HVAC: sustainable, scalable, and ready for the electrified buildings of tomorrow.

* Source: IPCC 4th Assessment Report, global warming potential (GWP) 100-year value. Comparison of 2088 (R-410A) and 675 (R-32).



Built for decarbonization and code readiness

Energy codes and sustainability standards are changing rapidly. Our expert designers take the lead in creating systems that focus on local codes, prioritizing full compliance from the start.

- All-electric operation makes systems ready for current and emerging electrification mandates.
- Inverter-driven systems having no inrush current enhances compatibility with solar generation and power storage for net-zero buildings.
- Improved efficiency ratings exceed IECC ratings by more than 10% for many sizes and climate zones to provide required energy credits.

Customer value

- Unified systems simplify installation, service, and diagnostics.
- Reduced complexity, improved performance, and comfort in every zone.

Every component, from outdoor units to controllers, is engineered to work together — reducing complexity, improving performance, and ensuring comfort in every zone.

Sustainability advantage

VRF systems recover and repurpose wasted heat, eliminating the need for fossil fuel combustion and significantly reducing CO_2 emissions for a cleaner, more sustainable environment. They are ideal for LEED, WELL, and ENERGY STAR®-aligned projects seeking long-term environmental value.

Advanced leak detection by system type

Low GWP refrigerants deliver significant environmental and efficiency benefits, but their adoption also requires robust safety measures to ensure code compliance and occupant protection. Mitsubishi Electric VRF systems are engineered with advanced leak detection and mitigation features tailored to each system type, supporting both regulatory requirements and peace of mind.

How leak detection works across system types

- **Built-in sensors:**
  CITY MULTI® indoor units are equipped with integrated refrigerant sensors that continuously monitor for leaks. If a leak is detected, the system automatically initiates safety protocols, including stopping operation, generating error codes, and activating alarms.
- **BC controllers with Mitigation Valves:**
  BC controllers (used with simultaneous systems) now include mitigation valves at each port. If refrigerant is detected at any indoor unit connected to a given port, the mitigation valves close for that port while indoor units on other ports continue normal operation without interruption. When code allows, effective Mrel is reduced.
- **Accessory Shut-off Valve Kits (SVKs):**
  New SVKs reduce Mrel for VRF heat pump system lines. When code allows, SVKs can be added to lines serving multiple indoor units.
  - If refrigerant is detected at any indoor unit in a CITY MULTI line, the SVK closes while other SVK lines continue normal operation.
  - If refrigerant is detected at any indoor unit in an SMART MULTI® line, normal operation will briefly pause while the outdoor unit initiates pump-down for the affected line. Normal operation resumes for SVK lines where no leak is detected.

System response:

Upon leak detection, audible alarms and error codes alert building operators. The system remains in a safe state until the leak is addressed and verified.

Why it matters:

These advanced safety measures not only protect occupants and property, but also help meet evolving code requirements for low-GWP refrigerants like R-32. By proactively managing refrigerant leaks, Mitsubishi Electric VRF systems support sustainability goals and regulatory compliance, while maintaining the highest standards of comfort and reliability.

Inverter technology

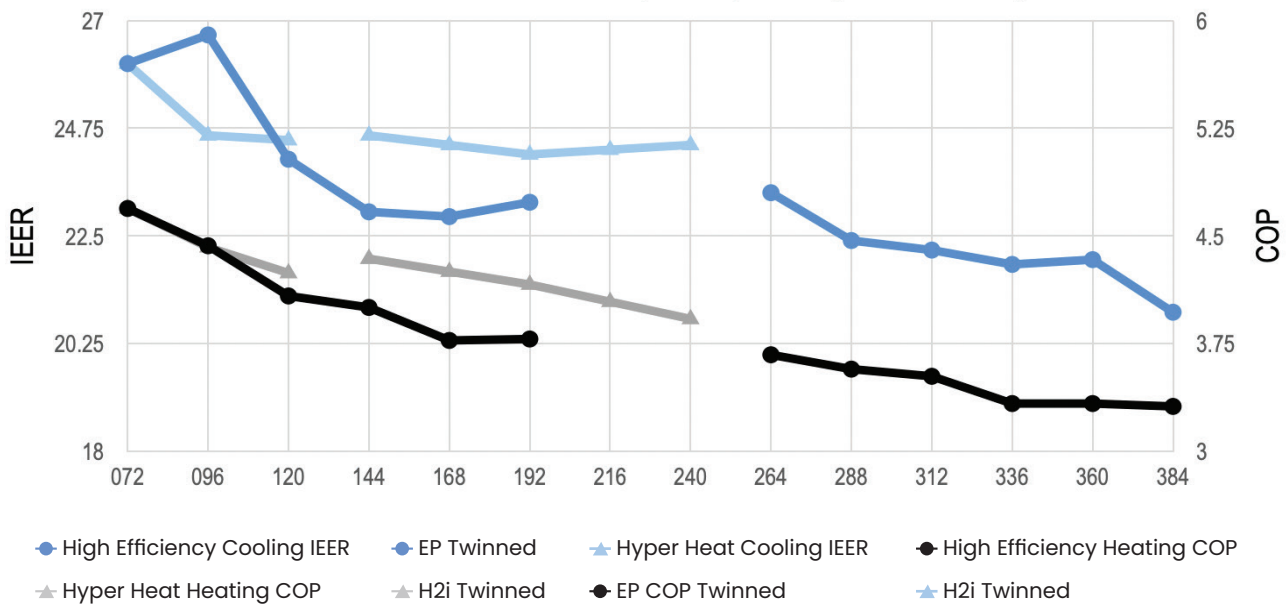
Every CITY MULTI® system is powered by inverter-driven compressors that modulate output to match load requirements in real time. This continuous, precise control eliminates the energy spikes of on/off cycling and delivers superior part-load efficiency.

Key technical advantages

- Optimized R-32 compressor operation for peak energy transfer.
- Reduced electrical demand with soft-start, no energy spike at start up.
- Advanced branch controller logic.
- Modular outdoor units enabling scalable design.
- Equipped with components ASTM B117-certified for up to 2,000 hours, including a corrosion-resistant heat exchanger designed for maximum durability and long-term performance.
- Mismatched IDU/ODU combinations are rejected by software, preventing improper installation. This is a peace-of-mind feature for installers.

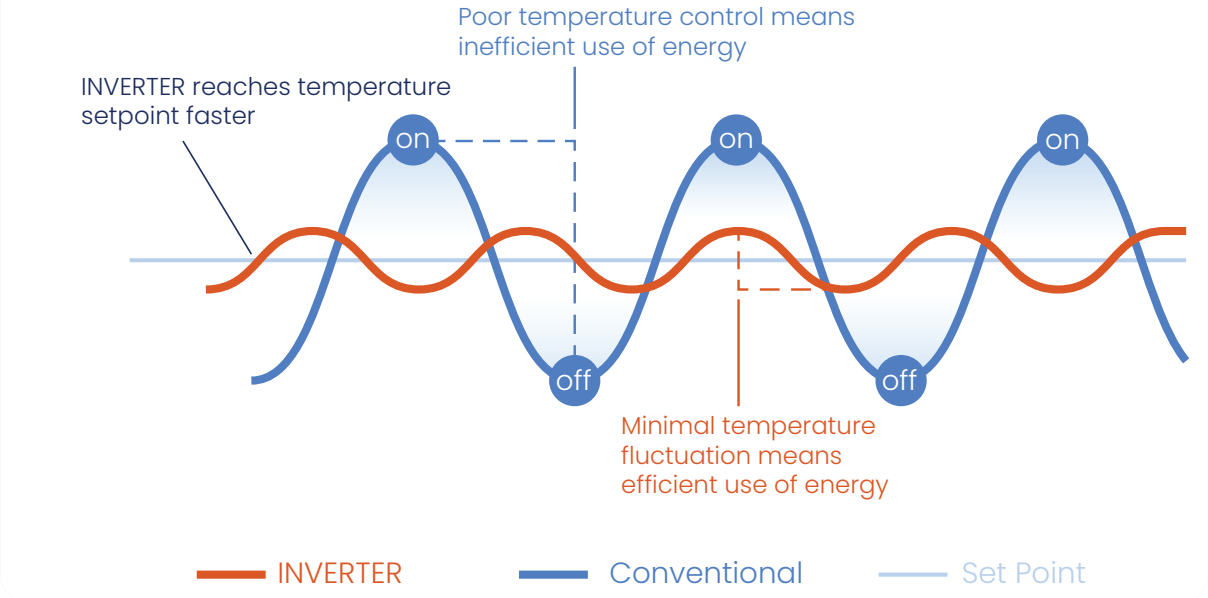
Simultaneous air-source efficiency ratings, non-ducted systems

Values based on AHRI 1230-2023 test methods, split lines represent single vs. field-twinned systems



INVERTER vs. Conventional system operation

Part-load conditions are prevalent through most of the year in most applications. Inverter-driven systems outperform fixed-speed units in these conditions by consuming only the power required to maintain comfort.



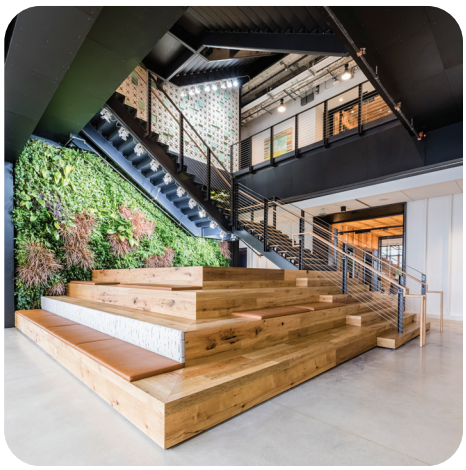
Design flexibility

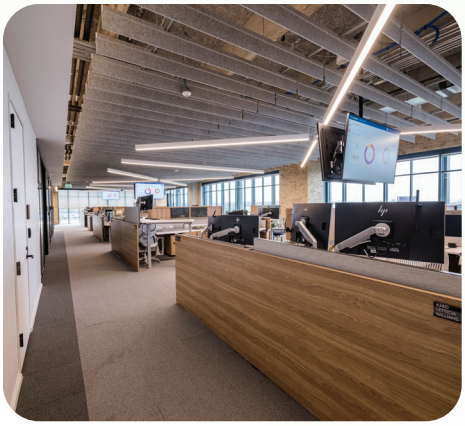
Architectural freedom

The compact, all-electric design of CITY MULTI® VRF eliminates bulky rooftop equipment, enabling concealed placement in alleys, penthouses, or mechanical rooms. This frees up valuable real estate and preserves building aesthetics.

Customer value

- Smaller mechanical rooms and reduced ductwork.
- Higher ceilings and increased leasable space.
- Whisper-quiet indoor operation, as low as 19 dB(A).
- Modular scalability for phased projects.
- Simplified retrofits with minimal disruption.
- **Quiet, Compact Outdoor Units:**
  Low-noise operation and lightweight construction reduce structural requirements and simplify placement.
- **Integrated Smart Controls:**
  Built-in communicating controls streamline system management and enhance design flexibility.
- **Simplified Installation:**
  Easy-to-handle line sets and lightweight indoor cassettes minimize labor and meet union handling requirements.



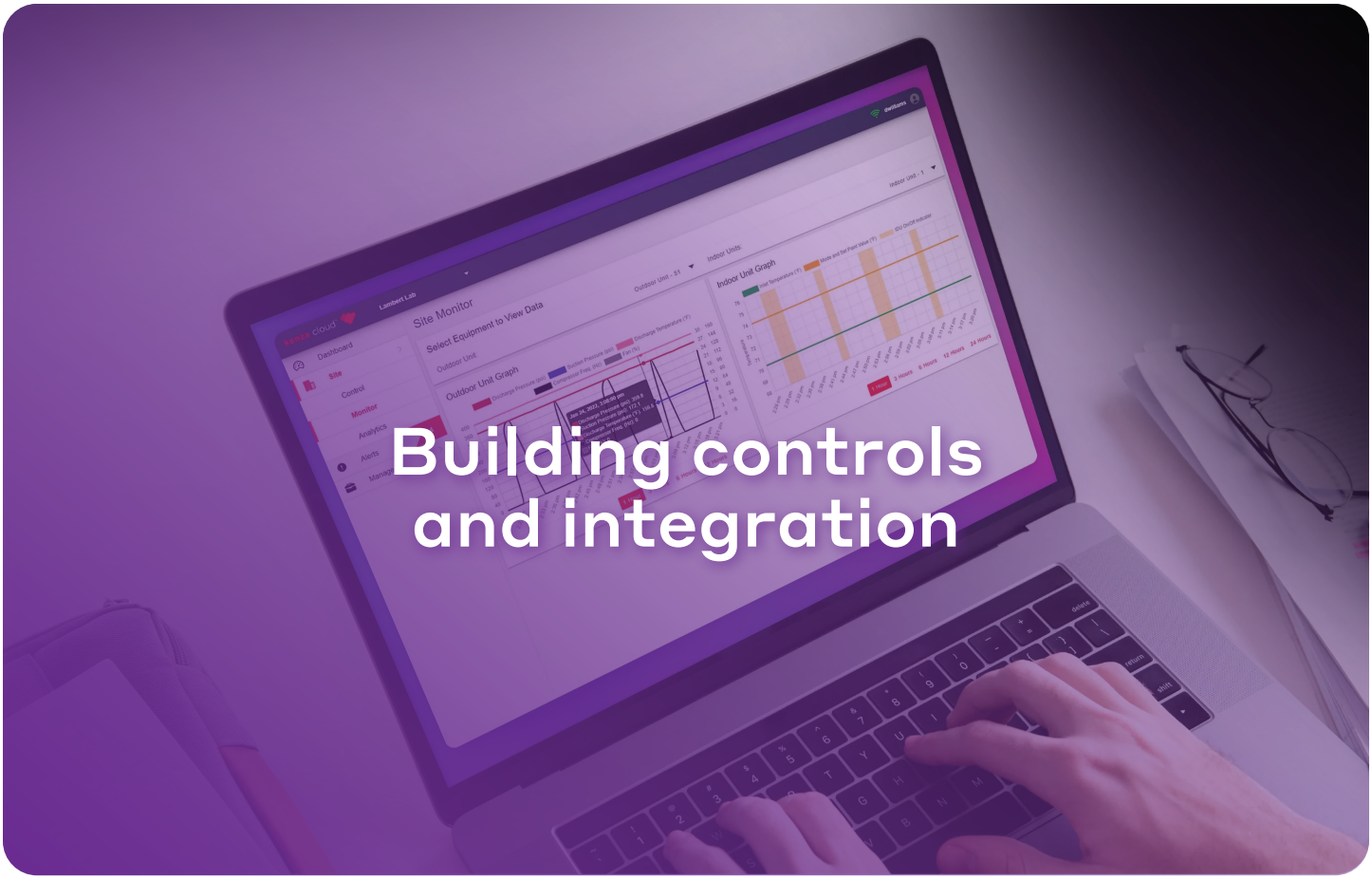


Smart energy in every zone

Zoned comfort control means heating and cooling can be delivered only where it is needed and is customized according to building management specifications. This allows for individual comfort settings to be applied based on tenant occupancy, heat generation demands, and other applications.

Operational advantages

- Stable temperature control for each occupied zone.
- Continuous operation at optimal part-load efficiency.
- Significant reduction in peak electrical demand.
- Expanded operating range provides heating to −22°F and cooling to 109.4°F.
- Diamond-Like Carbon (DLC) coating in compressors improves resistance to contamination for reliability.
- Fin guard and coating: standard fin guard and upgraded PCB/base panel coating (ASTM B117, 2,000 hours) for corrosion resistance.



Flexible control solutions for every building

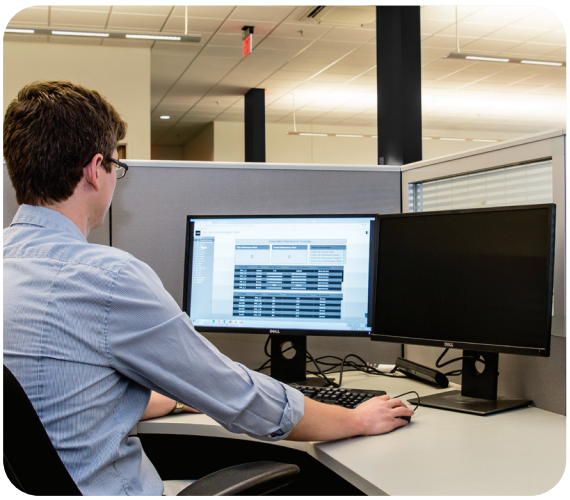
CITY MULTI® systems offer a complete suite of control options, empowering designers, installers, and building owners to tailor HVAC management to their unique needs. Unlike conventional systems that require costly third-party controls, CITY MULTI includes integral controls ready for stand-alone operation, as well as scalable solutions for centralized and total building control.

Integrated controls: Ready out of the box

- Every CITY MULTI indoor unit features built-in controls for local setpoint adjustment, scheduling, and system monitoring— no additional hardware required.
- Programmable contacts at each indoor unit enable direct interlocking with third-party devices (lighting, vestibule heat, etc.), reducing installation costs and wiring complexity.

Centralized control: Intuitive and scalable

- Choose from full-function central controllers with or without touchscreen access (AE-C400A, EW-C50A), supporting up to 400 indoor units per controller with access via Integrated Centralized Control Web for up to 2,000 indoor units.
- Expansion controllers and accessory licenses (BACnet®, Energy Allocation, Personal WebBrowser) add advanced features like floorplan graphics, energy reporting, and multi-user access.
- Central controllers can monitor external sensors and interlock/alarm devices via AI (Analog Input) and DIDO (Digital Input/Digital Output) controllers.



Cloud-access central control

- The RMD-50A and kenza cloud™ gateway deliver secure, remote access to CITY MULTI® and Lossnay® systems, with animated refrigerant flow views, alarm history, site analytics, and remote maintenance tool access.
- Each kenza cloud gateway supports 50 indoor units per controller and is available at a lower initial cost compared to conventional touchscreen central controllers.

Total building integration

- The advanced Integration Panel, BACnet License (LIC-BACNET), and Procon device (PAC-UKPRC001-CN-1) enable seamless connection to third-party Building Management Systems (BMS).
- Options range from simple BACnet monitoring to full Tridium Niagara Framework® integration, unlocking remote diagnostics, energy dashboards, and custom control sequences.

CITY MULTI controls network

- Avoid spending on separate building control systems—integrated and central controls deliver robust functionality at a fraction of the cost.
- Scalable solutions grow with your building, from single-zone operation to enterprise-wide cloud management.
- Designed for intuitive use by designers, installers, and facility managers, with advanced features available when you need them.

Application versatility

Every project is unique, but performance expectations are universal: efficiency, flexibility, comfort, and sustainability.

METUS R-32 VRF systems adapt seamlessly across verticals, solving distinct environmental and operational challenges while delivering measurable ROI for owners and operators.

Open Office Spaces

Workplace comfort that works harder

Classroom Spaces

Smart comfort for learning environments

Hospitality and Dormitories

Comfort that enhances experiences

Retail and Mixed Use

Smart comfort that sells

Recreation, Dining, and Entertainment Venues

Comfort that keeps guests coming back

Open Office Spaces

Workplace comfort that works harder

The challenge

Modern offices demand consistent comfort, zoning flexibility, and low noise to support employee productivity and tenant satisfaction, all while meeting tighter energy standards and rising Environmental, Social, and Governance (ESG) expectations.

The Mitsubishi Electric solution

CITY MULTI® systems deliver precise zone control and superior efficiency at partial load, minimizing energy waste during off-peak occupancy. Quiet indoor units help maintain ideal working conditions while heat recovery operation reduces hot/cold complaints from tenants and other occupants across diverse layouts.

Results

- Measurable reduction in HVAC energy use.
- 100% electrification readiness for green building compliance.
- Near-silent operation (as low as 19 dB(A) in some indoor unit models) for conference and open-plan areas.

Owner benefit

Lower energy use and happier tenants translate into longer lease retention and higher property value. For retrofits, upgrade from inefficient boiler and furnace systems by adding mini-split solutions that do not require bulky ductwork or significant changes to existing/historical buildings.

Flexible system configuration

System Component	Recommendation
Outdoor Unit	Consider heat pump systems for large open areas. When combining interior and exterior spaces with simultaneous systems, strive to balance loads toward heating.
Indoor Unit	Ceiling-concealed units allow highest ventilation rates, but ceiling cassettes can deliver better comfort with lower cost. Utilize 3D i-see Sensor® sensing for optimal comfort and savings.
Controls	If common area control & scheduling is via Central Control, reduce costs with remote temperature sensors rather than controllers.

Customer stories

Studio Gang Chicago Office

Architectural firm Studio Gang renovated a historic 1937 Chicago building for its new office, necessitating a quiet, energy-efficient, and discreet HVAC solution that would satisfy the building's landmark status requirements and the firm's sustainable values. The firm chose a Mitsubishi Electric CITY MULTI® Variable Refrigerant Flow (VRF) system, including Hyper-Heating INVERTER (H2i®) units, which met the strict acoustic and visual constraints for their new roof prairie and exceeded ASHRAE energy performance standards by more than 17%.

The successful installation provided zoned comfort to the 21,000-square-foot space and resulted in the building earning LEED® certification. Significant operational cost savings were realized — reducing the monthly expenditure from $0.14 to $0.11 per square foot. Occupant comfort was dramatically improved compared to their previous single-zone system.

Project Location: Chicago, Illinois
Completion Date: November 2015
Challenge: Specifying a versatile, cost-effective, and energy-efficient HVAC system for a mixed-use building.
Solution: CITY MULTI Variable Refrigerant Flow
Result: An energy-efficient building that maximizes leasable space and keeps occupants comfortable while minimizing operational costs.

Scan to read customer stories
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Classroom Spaces

Smart comfort for learning environments

The challenge

Schools and universities require consistent comfort in spaces that vary in occupancy and usage — classrooms, gyms, labs, and libraries — while keeping noise levels low and maintenance simple.

The Mitsubishi Electric solution

CITY MULTI® VRF zoning enables precise temperature management per classroom while inverter control delivers automatic load modulation during unoccupied hours, maximizing efficiency for the institution and comfort for students and faculty.

Results

- Zoned control prevents over-conditioning unused spaces.
- Whisper-quiet operation reduces distractions in classrooms.
- Simplified maintenance through centralized monitoring.
- Scalability and flexibility to meet future needs.

Owner benefit

Reduced energy use, quieter learning environments, and smarter energy use aligned with sustainability goals.

Flexible system configuration

System Component	Recommendations
Outdoor Unit	Consider heat pump systems for classrooms on same exposure and similar load profile. Smaller systems tend to have higher efficiency ratings.
Indoor Unit	Ceiling-concealed units allow highest ventilation rates, but ceiling cassettes can deliver better comfort with lower cost. Utilize 3D i-see Sensor® sensing for optimal comfort and savings.
Controls	If central control is present, consider sensing temperature with integral sensor in ceiling cassette with 3D i-see sensing. Include Personal Web option for control through browser on LAN.

Customer stories

Hollis Primary School

Hollis Primary School required a comprehensive, energy-efficient retrofit of its 1952 brick and masonry building which lacked insulation and suffered from extreme temperature fluctuations. To address these issues, the building was encased in a high-performance spray foam envelope - raising the R-value from 1 to 31 - and Mitsubishi Electric variable-speed heat pumps were installed. With added efficiency provided by new triple-glazed windows and solar panels, the facility is now a sustainable learning environment that provides consistent thermal comfort and significant energy savings.

Project Location: Hollis, New Hampshire
Completion Date: August 2018
Challenge: School built in 1952 required a retrofit to increase sustainability and comfort
Solution: Mitsubishi Electric Variable Refrigerant Flow (VRF) zoning systems
Result: A sustainable and comfortable learning environment for students

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Hospitality and Dormitories

Comfort that enhances experiences

The challenge

Hotels, resorts, and multifamily residences must deliver personalized comfort, quiet operation, and low operating costs across hundreds of independent spaces — each with unique needs and occupancy schedules.

The Mitsubishi Electric solution

CITY MULTI® systems provide individual zone control, ensuring each room — from individual guest rooms or apartments to large event spaces or meeting rooms — maintains its own comfort level without impacting neighboring spaces. Compact equipment design and flexible refrigerant piping reduce mechanical space requirements and simplify retrofit projects.

Results

- Individual comfort control in every room and public/function space.
- Lower noise level and faster temperature recovery for superior guest experience.

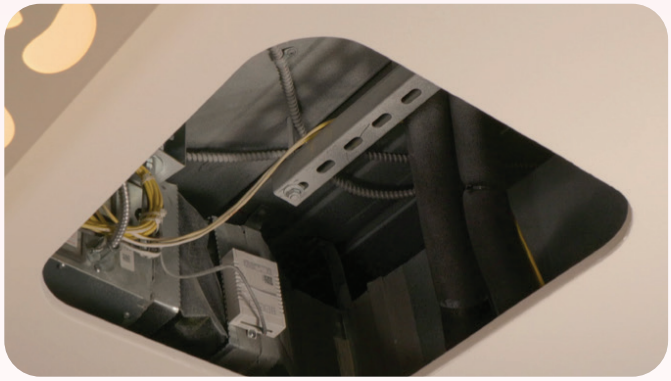
Owner benefit

Elevated guest satisfaction, reduced energy use, and future-proofed HVAC investment that supports brand sustainability initiatives.

Flexible system configuration

System Component	Recommendations
Outdoor Unit	Simultaneous systems are highly encouraged. Smaller systems tend to have higher efficiency ratings.
Indoor Unit	Ducted-concealed over bathroom soffit most common. If architecture allows, 33" x 33" ceiling cassette can reduce costs and eliminate need for access panel.
Controls	CITY MULTI® is compatible with controllers by popular lodging software providers Verdant and Telkonet. TouchMA controllers can display hotel logo.

Customer stories



Westin Gwinnett

The Westin Atlanta Gwinnett chose Mitsubishi Electric's Variable Refrigerant Flow (VRF) systems to overcome the challenges of high-rise hospitality design. By opting for ultra-quiet, ceiling-concealed ducted units instead of conventional bulky systems, the hotel maximized limited ceiling space and eliminated guest complaints regarding noisy ventilation. The energy-efficient heat pump technology, paired with Trane rooftop units for common areas, provides personalized climate control and high performance across 348 rooms and multiple event spaces, exceeding efficiency expectations while ensuring a premium guest experience.

Project Location: Atlanta, Georgia
Completion Date: March 2024
Challenge: Selecting quiet, high-performance HVAC systems that provide optimum guest comfort.
Solution: All-electric all-climate Mitsubishi Electric Variable Refrigerant Flow (VRF) technology for guest rooms, and Trane rooftop units for common areas.

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Retail and Mixed Use

Smart comfort that sells

The challenge

Retail and mixed-use properties require comfort systems that adapt to dynamic loads — from high-traffic storefronts and kitchens to boutique offices or residential levels above. Traditional rooftop systems often waste energy, create noise, and limit design flexibility.

The Mitsubishi Electric solution

CITY MULTI® VRF technology provides precise zone control and load-matching efficiency for variable occupancy conditions and space sizes. Quiet indoor units maintain acoustic comfort for shoppers and residents alike, while modular outdoor units free up valuable roof and façade space. With retail leases averaging only five years, the design and installation flexibility of Mitsubishi Electric ductless VRF systems speeds and simplifies any needed retrofitting between tenants.

Results

- Reduced energy use across multi-tenant spaces.
- Compact design minimizes visible equipment and ductwork.
- Heat recovery balances temperature differences between retail, office, and residential zones.

Owner benefit

Enhanced tenant comfort, quieter storefronts, and lower operating costs all contribute to increased lease value and ROI while preserving aesthetic integrity and offering greater flexibility for future modifications compared to traditional ducted systems.

Three-phase SMART MULTI® outdoor units are multi-zone units that can connect to up to 30 CITY MULTI commercial indoor units and up to 12 residential and light commercial indoor units. These units support large motors and industrial equipment, making them ideal for strip malls, manufacturing plants, and hospitals. The SMART MULTI's minimal footprint allows it to be installed in locations with limited space, such as balconies or between businesses.

Flexible system configuration

System Component	Recommendations
Outdoor Unit	Tailor system type to each space, combine heat pump systems for retail with simultaneous systems for residential or hospitality spaces.
Indoor Unit	Maximize efficiency and minimize costs using ductless styles at every opportunity. SMART MULTI® systems can also utilize M- & P-Series styles.
Controls	Reduce costs using surface-mount sensor-only in common spaces. Promote branding using TouchMA controller with building/owner logo on display.

Customer stories

Lofts at Empire Yard

The Lofts at Empire Yards started life as a historic 65,000-square-foot ice and coal warehouse in Macon, Georgia. As the developer converted the building into 28 modern multifamily apartments, preserving the building's industrial aesthetic - including high ceilings and exposed structural beams - created challenges for the HVAC solution. The developer replaced traditional mechanical ductwork with zoned heat pump solutions, utilizing a mix of wall-mounted units and recessed ceiling cassettes.

This strategic HVAC selection not only maintained the architectural integrity of the lofts but also provided whisper-quiet operation and exceptional energy efficiency, resulting in monthly utility bills for tenants as low as $45. Controlled via Mitsubishi Electric's comfort app, the system ensures personalized comfort and simplified maintenance, proving that high-performance modern technology can seamlessly integrate into and revitalize historic industrial structures.

Project Location: Macon, Georgia
Completion Date: October 2018
Challenge: Finding a total HVAC solution for a former warehouse space renovated into apartments
Solution: Mitsubishi Electric Variable Refrigerant Flow (VRF) zoning systems
Result: Energy-efficient, quiet, and user-friendly heating and cooling for 28, loft-style apartments

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Recreation, Dining, and Entertainment Venues

Comfort that keeps guests coming back

The challenge

Gyms, restaurants, and event spaces experience wide load swings — from full dining rooms to empty off-hours — with strict requirements for air circulation, humidity, and sound. Traditional systems often struggle to balance these competing demands efficiently.

The Mitsubishi Electric solution

CITY MULTI® VRF systems dynamically modulate output to maintain comfort across fluctuating conditions. Heat recovery and zoning capabilities allow kitchens, dining areas, and fitness zones to operate at different temperatures simultaneously, all while reducing energy waste.

Results

- Fast temperature response during occupancy surges.
- Heat recovery captures waste heat from kitchens and fitness zones.
- Quiet indoor units preserve ambiance and customer satisfaction.

Owner benefit

Enhanced comfort, lower noise levels, and reduced energy use — ensuring guests enjoy an experience-enhancing environment while owners benefit from sustainable performance.

Flexible system configuration

System Component	Recommendations
Outdoor Unit	Heat pump systems are ideal for larger, open spaces.
Indoor Unit	Using multiple 22" x 22" or 33" x 33" ceiling cassettes for ceilings up to 15' high maximizes efficiency & comfort and minimizes cost.
Controls	Multiple indoor units can function as one control group, sharing set temperature and schedule. Temperature sensing can be via individual or shared sensor.

Customer stories

The Market at Liberty Place

The 31,000-square-foot Market at Liberty Place in Kennett Square, Pennsylvania, underwent a successful transformation from a former office building into a vibrant, multi-tenant commercial hub. To accommodate a diverse range of vendors, from ice cream shops to pizza kitchens, the developers required a highly versatile HVAC system capable of meeting unique heating and cooling demands across a 10,000-square-foot open-air market floor.

By installing Mitsubishi Electric Variable Refrigerant Flow (VRF) heat pump zoning system, the facility was able to reclaim heat from warmer areas (like kitchens and sun-lit zones) and redistribute it to cooler spaces, such as the year-round patio's. The result is a quiet, energy-efficient solution that provides reliable comfort for patrons and seamless, remote control for management, all while achieving lower energy consumption than initially projected.

Project Location: Kennett Square, Pennsylvania
Completion Date: March 2015
Challenge: Select a system both efficient and diverse enough to meet any vendor's needs
Solution: Mitsubishi Electric Variable Refrigerant Flow (VRF) zoning systems
Result: Reliable, year-round comfort for patrons to enjoy and seamless system control for the owners

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Product families

Y-Series Heat Pump Outdoor Units

Small Module

- High-efficiency model
- 208-230 V/460 V
- Cooling or heating
- 6-32 ton
- Heat pump

Large Module

- Hyper-Heating INVERTER® (H2i®) model
- 208-230 V/460 V
- Cooling or heating
- 6-20 ton
- Heat pump

Extra Large Module

R2-Series Simultaneous Outdoor Units

Small Module

- High-efficiency model
- 208-230 V/460 V
- Simultaneous Cooling or heating
- 6-32 ton
- Heat recovery

Large Module

- Hyper-Heating INVERTER® (H2i®) model
- 208-230 V/460 V
- Simultaneous Cooling or heating
- 6-20 ton
- Heat recovery

Extra Large Module

Heat Pump Outdoor Units

- Heat pump
- 6, 8, 10 ton
- 36, 42, 48, 60, 72, 96, and 120 capacities

WR-2 Series Water-source Heat Pump Outdoor Units

- High-efficiency model
- 208-230 V/460 V
- Simultaneous cooling and heating
- 6-30 ton
- Water-source heat recovery

*Fin guards are optional parts sold separately

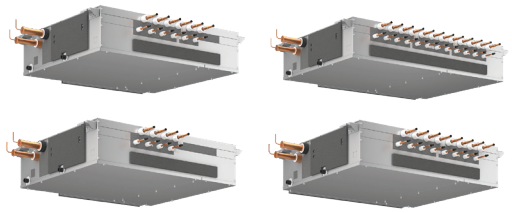
BC Controller

For use with simultaneous systems

Main Branch Circuit Controller

CMB-Mxxx-NU-MA-SV

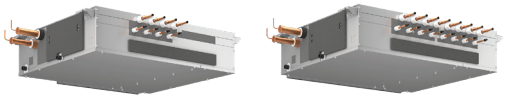
(4, 6, 8, and 12 port options)



Sub Branch Circuit Controller

CMB-Mxxx-NU-MB-SV

(4 and 8 port options)



Shut Off Valve Kit

CRM-M100KT-NA

For use with size 72 and larger heat pump systems

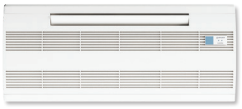
Indoor Units

PKFY

Wall-mounted

PLFY

Ceiling Cassette, 4-way airflow model



PMFY

Ceiling Cassette, 1-way airflow model

PEFY

Ceiling-concealed ducted

PCFY

Ceiling-suspended

PVFY

Multi-position Air Handler

Zone Controllers

SDW

Remote Controller

Touch MA

Remote Controller

Centralized

Controller

Deluxe MA

Remote Controller

Simple MA

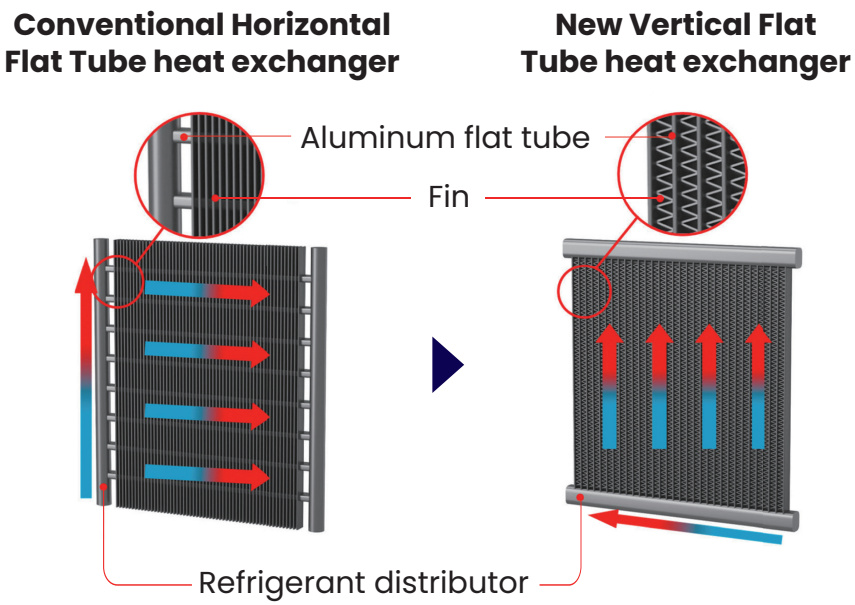
Remote Controller

CITY MULTI® R-32 Series

The R-32 outdoor unit lineup delivers scalable performance, intelligent control, and efficiency across every commercial application. From mid-rise offices to mixed-use towers. With inverter-driven compressors, advanced heat exchangers, and adaptive control logic, these systems redefine comfort and sustainability for the all-electric era.

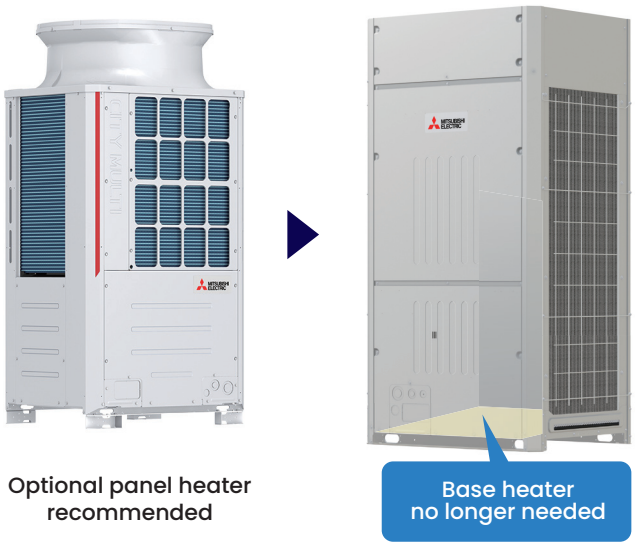
Premium outdoor unit features:

- **Reduced footprint:**
  New chassis designs reduce the overall footprint. This enables easier installation in tight spaces and rooftops. The compact design provides enhanced flexibility for installation, architectural design, and ease of delivery.
- **Elimination of Base Pan/Panel Heaters:**
  New HEX allows optimized flow paths and new resin drain pans eliminate the need for base pan and panel heaters, reducing power draw and maintenance.
- **VFT Flat Tube HEX:**
  The patented, compact Vertical Flat Tube (VFT) Heat Exchanger features improved drainage fins. The VFT design reduces the refrigerant charge for improved efficiency and a reduced risk of frost build-up.
- **3-panel HEX structure:**
  Each panel is independent, enabling replacement of one at a time if needed. This also allows for easier access to compressor and key components; maintenance can be performed without removing the PCB box.
- **Cooling toughness mode:**
  A new mode maintains 100% cooling capacity up to 109.4°F (43°C) outdoor temperature, ensuring performance in high ambient conditions.
- **ASTM B117 Certified (2,000 Hours):**
  Equipped with a corrosion-resistant heat exchanger that is ASTM B117 Certified for up to 2,000 hours for maximum durability and long-term performance.
- **Diamond-Like Carbon (DLC) coating:**
  DLC coating has been added to compressor sleeves on chassis for enhanced resistance to foreign material contamination.



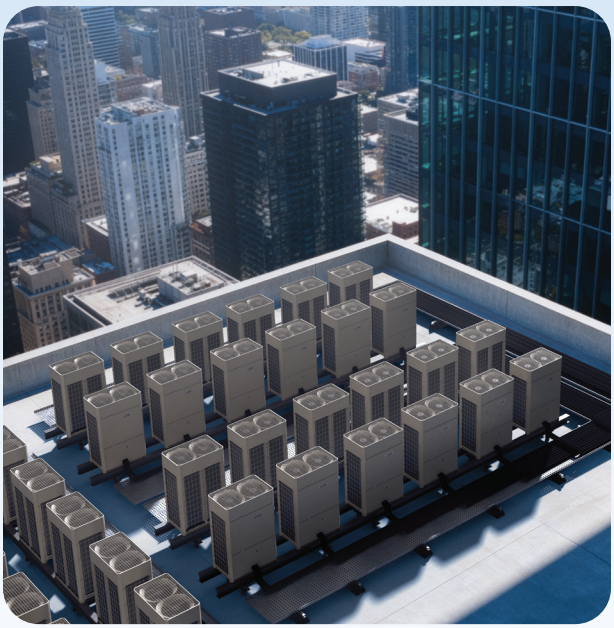
Heat exchanger with vertical aluminum flat tubes

The new Vertical Flat Tube (VFT) heat exchanger combines low-profile flat tubes, in a compact, vertical arrangement and a high-performance refrigerant distributor. Compared to conventional aluminum Horizontal Flat Tube (HFT) heat exchangers, Mitsubishi Electric's new VFT heat exchanger reduces refrigerant charge. Proprietary analysis technology was used to develop a new fin design that significantly improves drainage, eliminating the problem of melted frost water freezing on the fins and reducing air contact with the heat exchanger. These innovative technologies are patented and manufactured by Mitsubishi Electric.



Redesigned drainage system eliminates the need for a base heater

The redesigned drainage system for water discharged from the outdoor unit heat exchanger provides enhanced freeze resistance around the base, eliminating the need for a base heater or panel heater.



R2-Series (Heat Recovery)

The air-source heat recovery system captures and evenly redistributes energy across zones. The world's first two-pipe system ensures efficient operation and simultaneous heating and cooling.

- Capacities: 6–32 tons | 208-230 V / 460 V
- System Type: Heat Recovery

R2-Series units enable simultaneous heating and cooling through a patented two-pipe heat recovery design — a major advantage for mixed-use and variable-load environments.

Key Technologies

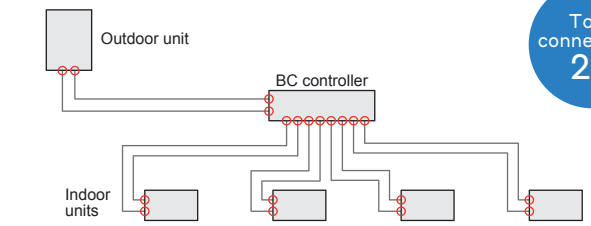
- **Exclusive Branch Circuit (BC) Controller:** The BC Controller is the technological heart of the CITY MULTI® R2-Series. It houses a liquid and gas separator, allowing the outdoor unit to deliver a mixture of hot gas for heating and liquid for cooling, all through the same pipe. Depending on capacity, up to 50 indoor units can be connected with up to 150% connected capacity.
- **Multi-Port Scroll Compressor:** Multiple discharge ports enhance part-load efficiency and minimize over-compression loss.
- **Flash Injection Circuit:** This heat pump technology maintains rated heating capacity at -4°F (-20°C) and operation down to -22°F (-30°C).
- **Flat-Tube Heat Exchanger:** Flat tubes and multiple, small channels increase surface area by 220% and, with it, up to 30% greater heat-exchange efficiency.
- **New Liquid Backless Defrost:** R2-Series models now feature a liquid-backless defrost method above 32°F (0°C) which accelerates heating start-up and prevents liquid refrigerant stagnation in the accumulator. During defrost mode, the four-way valve remains in heating mode direction, and the bypass valve between compressor and ODU HEX is opened to melt the frost on the HEX.

Benefits of the Mitsubishi Electric 2-pipe R2 system

Exclusive to Mitsubishi Electric, our two-pipe heat recovery technology simplifies installation compared to conventional three-pipe systems. The R2-Series enables simultaneous heating and cooling, reducing installation time and lowering annual operating costs. The more often heating and cooling occur together, the greater the energy savings.

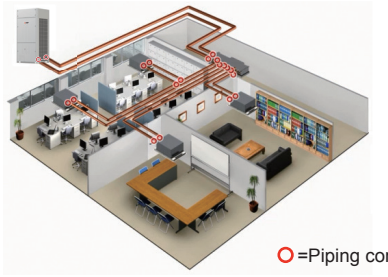
Comparison of piping connections

2 pipes **CITY MULTI¨ R2**



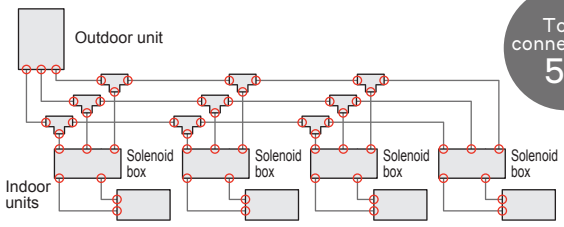
Total connections 20

Drastically reduces the amount of piping



O=Piping connections

3 pipes



Total connections 58

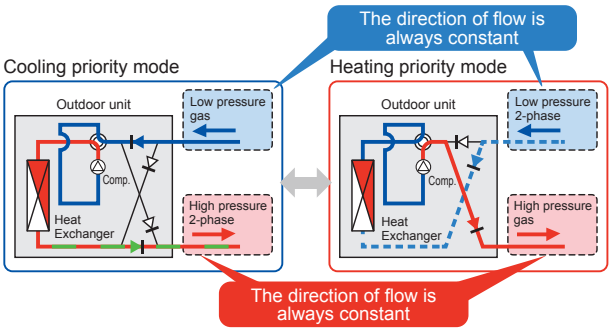
O=Piping connections

Cooling/heating modes can be switched without stopping operation

2 pipes **CITY MULTI® R2**

When switching from cooling to heating mode:

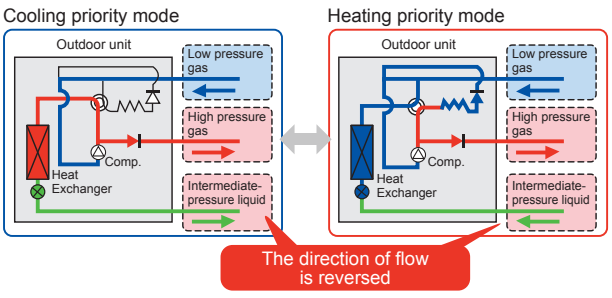
- There is no need to stop the compressor
- The refrigerant noise that is generated when the refrigerant flow is switched can be lowered



3 pipes

When switching from cooling to heating mode:

- Compressor shuts down
- All indoor units stop for a few minutes



PURY-EM-TXU Specifications

Unit Type			PURY-EM72TXU-A	PURY-EM96TXU-A	PURY-EM120TXU-A	PURY-EM144TXU-A	PURY-EM168TXU-A	PURY-EM192TXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		80,000	108,000	135,000	160,000	188,000	192,000
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]
Net Weight	Net Weight	lbs [kg]	604 [274]	604 [274]	611 [277]	712 [323]	712 [323]	712 [323]
External Finish	External Finish		MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	3/4 [19.05] Brazed	7/8 [22.23] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed
	Liquid (High Pressure)		5/8 [15.88] Brazed	3/4 [19.05] Brazed	3/4 [19.05] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	1,886 [575]	1,886 [575]	1,886 [575]	2,050 [625]	2,050 [625]	2,050 [625]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]	541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 14	M04~M96 / 19	M04~M96 / 24	M04~M96 / 29	M04~M96 / 34	M04~M96 / 39
	Total Capacity		M108	M144	M180	M216	M252	M288
Sound Power Levels	Sound Power Levels	dB(A)	78.50 / 78.50	80 / 80	83.50 / 83.50	82.50 / 82.50	88.50 / 88.50	89.50 / 89.50
Fan	Airflow Rate	CFM	6,356	6,532	7,062	8,474	10,593	11,123
	Compressor Operating Range		13%~100%	13%~100%	13%~100%	11%~100%	11%~100%	11%~100%
	Fan Motor Output	kW	0.92	0.92	0.92	0.46	0.46	0.46
	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
Refrigerant	Type x Original Charge	Type x lbs, oz [kg]	R32 x 11, 11 [5.30]	R32 x 11, 11 [5.30]	R32 x 11, 11 [5.30]	R32 x 13, 15 [6.30]	R32 x 13, 15 [6.30]	R32 x 13, 15 [6.30]
AHRI Ratings (Ducted/ Non-ducted)	COP		4.01 / 4.69	3.97 / 4.43	3.73 / 4.08	3.69 / 4.00	3.48 / 3.77	3.47 / 3.78
	EER		14.20 / 15.30	13.50 / 14.60	12.70 / 13.30	12.30 / 12.80	11.50 / 11.80	10.80 / 11.20
	IEER		22.30 / 26.10	23.20 / 26.70	23.10 / 24.10	21.30 / 23.00	20.70 / 22.90	20.00 / 23.20
	SCHE		25.90 / 25.50	23.50 / 28.30	25.30 / 29.10	24.80 / 27.70	24.70 / 28.30	24.70 / 28.30

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region

PURY-EM-TSXU Specifications

Unit Type			PURY-EM264TSXU-A	PURY-EM288TSXU-A	PURY-EM312TSXU-A	PURY-EM336TSXU-A	PURY-EM360TSXU-A	PURY-EM384TSXU-A
Module 1			PURY-EM144TXU-A	PURY-EM144TXU-A	PURY-EM168TXU-A	PURY-EM168TXU-A	PURY-EM192TXU-A	PURY-EM192TXU-A
Module 2			PURY-EM120TXU-A	PURY-EM144TXU-A	PURY-EM144TXU-A	PURY-EM168TXU-A	PURY-EM168TXU-A	PURY-EM192TXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	264,000	288,000	312,000	336,000	360,000	384,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		295,000	323,000	350,000	378,000	380,000	384,000
Net Weight	Net Weight	lbs [kg]	712+611 [323+277]	712+712 [323+323]	712+712 [323+323]	712+712 [323+323]	712+712 [323+323]	712+712 [323+323]
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	1 3/8 [34.92] Brazed	1 3/8 [34.92] Brazed	1 5/8 [41.28] Brazed	1 5/8 [41.28] Brazed	1 5/8 [41.28] Brazed	1 5/8 [41.28] Brazed
	Liquid (High Pressure)		1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	3,198 [975]	3,198 [975]	3,198 [975]	3,198 [975]	3,198 [975]	3,198 [975]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]	541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 50	M04~M96 / 50	M04~M96 / 50	M04~M96 / 50	M04~M96 / 50	M04~M96 / 50
	Total Capacity		M396	M432	M468	M504	M540	M576
Sound Power Levels	Sound Power Levels	dB(A)	86.50 / 86.50	86 / 86	89.50 / 89.50	92 / 92	92.50 / 92.50	93 / 93
Compressor Operating Range	Compressor Operating Range		6%~100%	5%~100%	5%~100%	5%~100%	5%~100%	5%~100%
AHRI Ratings (Ducted/ Non-ducted)	COP		3.55 / 3.67	3.51 / 3.57	3.38 / 3.52	3.35 / 3.33	3.33 / 3.33	3.29 / 3.31
	EER		11.90 / 12.30	11.60 / 11.90	11.20 / 11.20	10.80 / 10.60	10.20 / 10.20	9.70 / 9.90
	IEER		21.50 / 23.40	20.60 / 22.40	20.10 / 22.20	19.60 / 21.90	19.20 / 22.00	18.90 / 20.90
	SCHE		22.30 / 25.70	21.70 / 24.50	20.60 / 23.80	20.40 / 23.40	20.40 / 23.40	20.40 / 23.40

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region

PURY-EM-YXU Specifications

Unit Type			PURY-EM72YXU-A	PURY-EM96YXU-A	PURY-EM120YXU-A	PURY-EM144YXU-A	PURY-EM168YXU-A	PURY-EM192YXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		80,000	108,000	135,000	160,000	188,000	192,000
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]
Net Weight	Net Weight	lbs [kg]	633 [287]	633 [287]	637 [289]	745 [338]	745 [338]	745 [338]
External Finish	External Finish		MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	3/4 [19.05] Brazed	7/8 [22.23] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed
	Liquid (High Pressure)		5/8 [15.88] Brazed	3/4 [19.05] Brazed	3/4 [19.05] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	1,886 [575]	1,886 [575]	1,886 [575]	2,050 [625]	2,050 [625]	2,050 [625]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]	541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 14	M04~M96 / 19	M04~M96 / 24	M04~M96 / 29	M04~M96 / 34	M04~M96 / 39
	Total Capacity		M108	M144	M180	M216	M252	M288
Sound Power Levels	Sound Power Levels	dB(A)	78.50 / 78.50	80 / 80	83.50 / 83.50	82.50 / 82.50	88.50 / 88.50	89.50 / 89.50
Fan	Airflow Rate	CFM	6,356	6,532	7,062	8,474	10,593	11,123
	Compressor Operating Range		13%~100%	13%~100%	13%~100%	11%~100%	11%~100%	11%~100%
	Fan Motor Output	kW	0.92	0.92	0.92	0.46	0.46	0.46
	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
Refrigerant	Type x Original Charge	Type x lbs, oz [kg]	R32 x 11, 11 [5.30]	R32 x 11, 11 [5.30]	R32 x 11, 11 [5.30]	R32 x 13, 15 [6.30]	R32 x 13, 15 [6.30]	R32 x 13, 15 [6.30]
AHRI Ratings (Ducted/ Non-ducted)	COP		4.01 / 4.69	3.97 / 4.43	3.73 / 4.08	3.69 / 4.00	3.48 / 3.77	3.47 / 3.78
	EER		14.20 / 15.30	13.50 / 14.60	12.70 / 13.30	12.30 / 12.80	11.50 / 11.80	10.80 / 11.20
	IEER		22.30 / 26.10	23.20 / 26.70	23.10 / 24.10	21.30 / 23.00	20.70 / 22.90	20.00 / 23.20
	SCHE		25.90 / 25.50	23.50 / 28.30	25.30 / 29.10	24.80 / 27.70	24.70 / 28.30	24.70 / 28.30

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region

PURY-EM-YSXU Specifications

Unit Type			PURY-EM264Y-SXU-A	PURY-EM288Y-SXU-A	PURY-EM312Y-SXU-A	PURY-EM336Y-SXU-A	PURY-EM360Y-SXU-A	PURY-EM384Y-SXU-A
Module 1			PURY-EM144YXU-A	PURY-EM144YXU-A	PURY-EM168YXU-A	PURY-EM168YXU-A	PURY-EM192YXU-A	PURY-EM192YXU-A
Module 2			PURY-EM120YXU-A	PURY-EM144YXU-A	PURY-EM144YXU-A	PURY-EM168YXU-A	PURY-EM168YXU-A	PURY-EM192YXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	264,000	288,000	312,000	336,000	360,000	384,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		295,000	323,000	350,000	378,000	380,000	384,000
Net Weight	Net Weight	lbs [kg]	745+637 [338+289]	745+745 [338+338]	745+745 [338+338]	745+745 [338+338]	745+745 [338+338]	745+745 [338+338]
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	1 3/8 [34.92] Brazed	1 3/8 [34.92] Brazed	1 5/8 [41.28] Brazed	1 5/8 [41.28] Brazed	1 5/8 [41.28] Brazed	1 5/8 [41.28] Brazed
	Liquid (High Pressure)		1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	3,198 [975]	3,198 [975]	3,198 [975]	3,198 [975]	3,198 [975]	3,198 [975]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]	541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 50	M04~M96 / 50	M04~M96 / 50	M04~M96 / 50	M04~M96 / 50	M04~M96 / 50
	Total Capacity		M396	M432	M468	M504	M540	M576
Sound Power Levels	Sound Power Levels	dB(A)	86.50 / 86.50	86 / 86	89.50 / 89.50	92 / 92	92.50 / 92.50	93 / 93
Compressor Operating Range	Compressor Operating Range		6%~100%	5%~100%	5%~100%	5%~100%	5%~100%	5%~100%
AHRI Ratings (Ducted/ Non-ducted)	COP		3.55 / 3.67	3.51 / 3.57	3.38 / 3.52	3.35 / 3.33	3.33 / 3.33	3.29 / 3.31
	EER		11.90 / 12.30	11.60 / 11.90	11.20 / 11.20	10.80 / 10.60	10.20 / 10.20	9.70 / 9.90
	IEER		21.50 / 23.40	20.60 / 22.40	20.10 / 22.20	19.60 / 21.90	19.20 / 22.00	18.90 / 20.90
	SCHE		22.30 / 25.70	21.70 / 24.50	20.60 / 23.80	20.40 / 23.40	20.40 / 23.40	20.40 / 23.40

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region

PURY-HM-TXU Specifications

Unit Type			PURY-HM72TXU-A	PURY-HM96TXU-A	PURY-HM120TXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	72,000	96,000	120,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		80,000	108,000	135,000
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	70-13/16 x 35-7/8 x 29-3/16 [1,798 x 910 x 740]	70-13/16 x 47-9/16 x 29-3/16 [1,798 x 1,207 x 740]	70-13/16 x 47-9/16 x 29-3/16 [1,798 x 1,207 x 740]
Net Weight	Net Weight	lbs [kg]	595 [270]	701 [318]	708 [321]
External Finish	External Finish		MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	3/4 [19.05] Brazed	7/8 [22.23] Brazed	1 1/8 [28.58] Brazed
	Liquid (High Pressure)		5/8 [15.88] Brazed	3/4 [19.05] Brazed	3/4 [19.05] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	1,886 [575]	1,886 [575]	1,886 [575]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 14	M04~M96 / 19	M04~M96 / 24
	Total Capacity		M108	M144	M180
Sound Power Levels	Sound Power Levels	dB(A)	78.50 / 78.50	82 / 82	83.50 / 83.50
Fan	Airflow Rate	CFM	6,356	9,181	9,181
	Compressor Operating Range		13%~100%	11%~100%	11%~100%
	Fan Motor Output	kW	0.92	0.46	0.46
	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
Refrigerant	Type x Original Charge	Type x lbs, oz [kg]	R-32 x 11, 11 [5.30]	R-32 x 13, 15 [6.30]	R-32 x 13, 15 [6.30]
AHRI Ratings (Ducted/Non-ducted)	COP		4.01 / 4.69	3.96 / 4.42	3.71 / 4.24
	EER		14.20 / 15.30	13.30 / 14.20	13.20 / 13.90
	IEER		22.30 / 26.10	21.80 / 24.60	21.90 / 24.50
	SCHE		25.90 / 25.50	23.50 / 28.30	25.30 / 29.10

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region

PURY-HM-TSXU Specifications

Unit Type			PURY-HM144TSXU-A	PURY-HM192TSXU-A	PURY-HM240TSXU-A
Module 1			PURY-HM72TXU-A	PURY-HM96TXU-A	PURY-HM120TXU-A
Module 2			PURY-HM72TXU-A	PURY-HM96TXU-A	PURY-HM120TXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	144,000	192,000	240,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		160,000	215,000	270,000
Net Weight	Net Weight	lbs [kg]	595+595 [270+270]	701+701 [318+318]	708+708 [321+321]
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 3/8 [34.92] Brazed
	Liquid (High Pressure)		7/8 [22.23] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	2,706 [825]	2,706 [825]	2,706 [825]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 29	M04~M96 / 39	M04~M96 / 49
	Total Capacity		M216	M288	M360
Sound Power Levels	Sound Power Levels	dB(A)	82 / 82	85.50 / 85.50	87 / 87
Compressor Operating Range	Compressor Operating Range		6%~100%	5%~100%	5%~100%
AHRI Ratings (Ducted/Non-ducted)	COP		3.88 / 4.34	3.86 / 4.16	3.57 / 3.92
	EER		13.30 / 14.00	12.90 / 13.80	12.80 / 13.50
	IEER		21.80 / 24.60	21.70 / 24.20	21.60 / 24.40
	SCHE		24.80 / 27.70	23.00 / 28.00	22.90 / 26.80

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region

PURY-GM Specifications

Unit Type			PURY-GM192TXU-A	PURY-GM192YXU-A	PURY-GM216TXU-A	PURY-GM216YXU-A	PURY-GM240TXU-A	PURY-GM240YXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	Btu/h	192,000	192,000	216,000	216,000	240,000	240,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		215,000	215,000	243,000	243,000	260,000	260,000
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	79-3/4 x 76-7/8 x 29-1/2 [2025 x 1950 x 747]	79-3/4 x 76-7/8 x 29-1/2 [2025 x 1950 x 747]	79-3/4 x 76-7/8 x 29-1/2 [2025 x 1950 x 747]	79-3/4 x 76-7/8 x 29-1/2 [2025 x 1950 x 747]	79-3/4 x 76-7/8 x 29-1/2 [2025 x 1950 x 747]	79-3/4 x 76-7/8 x 29-1/2 [2025 x 1950 x 747]
Net Weight	Net Weight	lbs [kg]	1316 [597]	1376 [624]	1325 [601]	1378 [625]	1332 [604]	1380 [626]
External Finish	External Finish		MUNSELL 5Y8/1	MUNSELL 5Y8/1	MUNSELL 5Y8/1	MUNSELL 5Y8/1	MUNSELL 5Y8/1	MUNSELL 5Y8/1
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance	V AC / V AC, ø, Hz	208 / 230, 3, 60	460 / 460, 3, 60	208 / 230, 3, 60	460 / 460, 3, 60	208 / 230, 3, 60	460 / 460, 3, 60
Refrigerant Piping Diameter	Liquid (High Pressure)	inch [mm]	7/8 [22.23]	7/8 [22.23]	7/8 [22.23]	7/8 [22.23]	7/8 [22.23]	7/8 [22.23]
	Gas (Low Pressure)		1-1/8 [28.58]	1-1/8 [28.58]	1-3/8 [34.92]	1-3/8 [34.92]	1-3/8 [34.92]	1-3/8 [34.92]
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	ft [m]	2625 [800]	2625 [800]	2625 [800]	2625 [800]	2625 [800]	2625 [800]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]	541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3280 [1000]	3280 [1000]	3280 [1000]	3280 [1000]	3280 [1000]	3280 [1000]
Indoor Unit Connectable	Total Capacity		M288	M288	M324	M324	M360	M360
	Model/Quantity		M96-M288 / 39	M96-M288 / 39	M108-M324 / 44	M108-M324 / 44	M120-M360 / 49	M120-M360 / 49
Sound Power Levels	Sound Power Levels	dB(A)	84.50 / 84.50	84.50 / 84.50	86.50 / 86.50	86.50 / 86.50	89.50 / 89.50	89.50 / 89.50
Fan	Type x Quantity		Propeller fan	Propeller fan	Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Fan Motor Output	kW	0.92+0.92	0.92+0.92	0.92+0.92	0.92+0.92	0.92+0.92	0.92+0.92
	Airflow Rate	CFM	12,712	12,712	13,418	13,418	14,654	14,654
	Compressor Operating Range		13% ~ 100%	13% ~ 100%	13% ~ 100%	13% ~ 100%	13% ~ 100%	13% ~ 100%
Refrigerant	Type x Original Charge	Type x lbs [kg]	R32 x 23 [10.60]	R32 x 23 [10.60]	R32 x 23 [10.60]	R32 x 23 [10.60]	R32 x 23 [10.60]	R32 x 23 [10.60]
AHRI Ratings (Ducted/ Non-ducted)	EER		12.70 / 13.20	12.70 / 13.20	12.40 / 12.80	12.40 / 12.80	11.90 / 12	11.90 / 12
	IEER		22.30 / 24.40	22.30 / 24.40	22.20 / 23.60	22.20 / 23.60	21.50 / 22.10	21.50 / 22.10
	COP		3.73 / 3.98	3.73 / 3.98	3.59 / 3.82	3.59 / 3.82	3.33 / 3.33	3.33 / 3.33
	SCHE		23 / 28	23 / 28	22.70 / 26.90	22.70 / 26.90	22.90 / 26.80	22.90 / 26.80

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023)
Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023)
Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
*Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region
*For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal
*When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating
*Unit will continue to operate in extended operating range, but capacity is not guaranteed

PURY-HM-YXU Specifications

Unit Type			PURY-HM72YXU-A	PURY-HM96YXU-A	PURY-HM120YXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	72,000	96,000	120,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		80,000	108,000	135,000
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	70-13/16 x 35-7/8 x 29-3/16 [1,798 x 910 x 740]	70-13/16 x 47-9/16 x 29-3/16 [1,798 x 1,207 x 740]	70-13/16 x 47-9/16 x 29-3/16 [1,798 x 1,207 x 740]
Net Weight	Net Weight	lbs [kg]	626 [284]	739 [335]	739 [335]
External Finish	External Finish		MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	3/4 [19.05] Brazed	7/8 [22.23] Brazed	1 1/8 [28.58] Brazed
	Liquid (High Pressure)		5/8 [15.88] Brazed	3/4 [19.05] Brazed	3/4 [19.05] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	1,886 [575]	1,886 [575]	1,886 [575]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 14	M04~M96 / 19	M04~M96 / 24
	Total Capacity		M108	M144	M180
Sound Power Levels	Sound Power Levels	dB(A)	78.50 / 78.50	82 / 82	83.50 / 83.50
Fan	Airflow Rate	CFM	6,356	9,181	9,181
	Compressor Operating Range		13%~100%	11%~100%	11%~100%
	Fan Motor Output	kW	0.92	0.46	0.46
	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
Refrigerant	Type x Original Charge	Type x lbs, oz [kg]	R-32 x 11, 11 [5.30]	R-32 x 13, 15 [6.30]	R-32 x 13, 15 [6.30]
AHRI Ratings (Ducted/Non-ducted)	COP		4.01 / 4.69	3.96 / 4.42	3.71 / 4.24
	EER		14.20 / 15.30	13.30 / 14.20	13.20 / 13.90
	IEER		22.30 / 26.10	21.80 / 24.60	21.90 / 24.50
	SCHE		25.90 / 25.50	23.50 / 28.30	25.30 / 29.10

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
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PURY-HM-YSXU Specifications

Unit Type			PURY-HM144YSXU-A	PURY-HM192YSXU-A	PURY-HM240YSXU-A
Module 1			PURY-HM72YXU-A	PURY-HM96YXU-A	PURY-HM120YXU-A
Module 2			PURY-HM72YXU-A	PURY-HM96YXU-A	PURY-HM120YXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	144,000	192,000	240,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		160,000	215,000	270,000
Net Weight	Net Weight	lbs [kg]	626+626 [284+284]	739+739 [335+335]	739+739 [335+335]
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 3/8 [34.92] Brazed
	Liquid (High Pressure)		7/8 [22.23] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	2,706 [825]	2,706 [825]	2,706 [825]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 29	M04~M96 / 39	M04~M96 / 49
	Total Capacity		M216	M288	M360
Sound Power Levels	Sound Power Levels	dB(A)	82 / 82	85.50 / 85.50	87 / 87
Compressor Operating Range	Compressor Operating Range		6%~100%	5%~100%	5%~100%
AHRI Ratings (Ducted/Non-ducted)	COP		3.88 / 4.34	3.86 / 4.16	3.57 / 3.92
	EER		13.30 / 14.00	12.90 / 13.80	12.80 / 13.50
	IEER		21.80 / 24.60	21.70 / 24.20	21.60 / 24.40
	SCHE		24.80 / 27.70	23.00 / 28.00	22.90 / 26.80

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region


NW R

Y-Series Heat Pump

The CITY MULTI® Y-Series delivers exceptional efficiency and flexibility, making it ideal for large applications, all-electric retrofits, or buildings with consistent load patterns. Featuring a compact outdoor unit with an inverter-driven scroll compressor and a three-sided heat exchanger design, the Y-Series achieves higher COP with reduced refrigerant charge compared to previous generations. Its two-pipe refrigerant system enables seamless changeover between cooling and heating, ensuring a constant indoor climate across all zones. With a wide lineup of indoor units connected to a flexible piping system, up to 50 indoor units can be integrated with up to 130% connected capacity, maximizing design options. This configuration allows precise air conditioning in each area, supported by convenient individual controllers for optimal comfort and energy efficiency.

- Capacities: 6 – 32 tons | 208-230 V / 460 V
- System Type: Cooling/Heating
- Cool or heat up to 50 individual zones

Key Technologies

- **Adaptive flow control:**
  Optimizes refrigerant pathing for cooling and heating efficiency.
- **Smooth auto-shift mode:**
  Balances rapid warm-up with COP-optimized operation.
- **Pre-heat defrost:**
  Prevents occupant discomfort by pre-warming discharge air.
- **USB service access:**
  Enables rapid commissioning and firmware updates in the field.
- **Ideal Applications:**
  Schools, offices, and light commercial properties where quiet, efficient operation and simple zoning are priorities.

H2i® Hyper-Heating Systems

CITY MULTI® Systems

Hyper-Heating INVERTER® models provide heating even with ambient outdoor temperatures as low as -22°F, producing up to 100% heating capacity at -13°F. These units offer year-round comfort even in extreme climates. The outdoor units deliver full-sized performance from a compact, space–saving design while the inverter-driven scroll compressor delivers precise comfort to each zone.

Hot Gas Flash Injection:
As temperatures drop outside, the compressor speeds up to maintain indoor comfort. The flash injection process supplies a small amount of cooler refrigerant back to the compressor, reducing excess heat from increased speeds; allowing it to run faster and produce high heating performance. This also enables the system to achieve set points faster, maintain efficiency, and recover quickly after a defrost cycle.

- 70% heating capacity maintained at -22°F (-30°C).
- High-efficiency motor with 9% more winding area for greater output.

For SMART-MULTI and P-Series applications, Hyper Heat is only available in single-phase

PUHY-EM-TXU Specifications

Unit Type			PUHY-EM72TXU-A	PUHY-EM96TXU-A	PUHY-EM120TXU-A	PUHY-EM144TXU-A	PUHY-EM168TXU-A	PUHY-EM192TXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	72,000	96,000	120,000	144,000	168,000	192,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		80,000	108,000	135,000	160,000	188,000	192,000
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]
Net Weight	Net Weight	lbs [kg]	598 [271]	598 [271]	606 [275]	708 [321]	708 [321]	708 [321]
External Finish	External Finish		MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed
	Liquid (High Pressure)		3/8 [9.52] Brazed	3/8 [9.52] Brazed	3/8 [9.52] Brazed	1/2 [12.72] Brazed	5/8 [15.88] Brazed	5/8 [15.88] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]	541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 14	M04~M96 / 19	M04~M96 / 23	M04~M96 / 28	M04~M96 / 33	M04~M96 / 38
	Total Capacity		M93	M124	M156	M187	M218	M249
Sound Power Levels	Sound Power Levels	dB(A)	78.50 / 78.50	80 / 80	83.50 / 83.50	82.50 / 82.50	88.50 / 88.50	89.50 / 89.50
Fan	Airflow Rate	CFM	6,356	6,532	7,062	8,474	10,593	11,123
	Compressor Operating Range		13%~100%	13%~100%	13%~100%	11%~100%	11%~100%	11%~100%
	Fan Motor Output	kW	0.92	0.92	0.92	0.46	0.46	0.46
	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
Refrigerant	Type x Original Charge	Type x lbs, oz [kg]	R-32 x 11, 11 [5.30]	R-32 x 11, 11 [5.30]	R-32 x 11, 11 [5.30]	R-32 x 13, 15 [6.30]	R-32 x 13, 15 [6.30]	R-32 x 13, 15 [6.30]
AHRI Ratings (Ducted/ Non-ducted)	COP		4.20 / 4.81	4.06 / 4.58	3.87 / 4.22	3.70 / 4.16	3.55 / 3.89	3.58 / 3.90
	EER		14.40 / 15.60	13.90 / 14.80	13.00 / 13.60	12.70 / 13.30	11.90 / 12.30	11.30 / 11.70
	IEER		23.30 / 27.80	24.10 / 27.70	23.80 / 26.50	22.00 / 23.80	21.30 / 23.50	21.00 / 22.50

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region

PUHY-EM-YSXU Specifications

Unit Type			PUHY-EM72TXU-A	PUHY-EM96TXU-A	PUHY-EM120TXU-A	PUHY-EM144TXU-A	PUHY-EM168TXU-A	PUHY-EM192TXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	72,000	96,000	120,000	144,000	168,000	192,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		80,000	108,000	135,000	160,000	188,000	192,000
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]
Net Weight	Net Weight	lbs [kg]	598 [271]	598 [271]	606 [275]	708 [321]	708 [321]	708 [321]
External Finish	External Finish		MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed
	Liquid (High Pressure)		3/8 [9.52] Brazed	3/8 [9.52] Brazed	3/8 [9.52] Brazed	1/2 [12.72] Brazed	5/8 [15.88] Brazed	5/8 [15.88] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]	541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 14	M04~M96 / 19	M04~M96 / 23	M04~M96 / 28	M04~M96 / 33	M04~M96 / 38
	Total Capacity		M93	M124	M156	M187	M218	M249
Sound Power Levels	Sound Power Levels	dB(A)	78.50 / 78.50	80 / 80	83.50 / 83.50	82.50 / 82.50	88.50 / 88.50	89.50 / 89.50
Fan	Airflow Rate	CFM	6,356	6,532	7,062	8,474	10,593	11,123
	Compressor Operating Range		13%~100%	13%~100%	13%~100%	11%~100%	11%~100%	11%~100%
	Fan Motor Output	kW	0.92	0.92	0.92	0.46	0.46	0.46
	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
Refrigerant	Type x Original Charge	Type x lbs, oz [kg]	R-32 x 11, 11 [5.30]	R-32 x 11, 11 [5.30]	R-32 x 11, 11 [5.30]	R-32 x 13, 15 [6.30]	R-32 x 13, 15 [6.30]	R-32 x 13, 15 [6.30]
AHRI Ratings (Ducted/ Non-ducted)	COP		4.20 / 4.81	4.06 / 4.58	3.87 / 4.22	3.70 / 4.16	3.55 / 3.89	3.58 / 3.90
	EER		14.40 / 15.60	13.90 / 14.80	13.00 / 13.60	12.70 / 13.30	11.90 / 12.30	11.30 / 11.70
	IEER		23.30 / 27.80	24.10 / 27.70	23.80 / 26.50	22.00 / 23.80	21.30 / 23.50	21.00 / 22.50

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region

PUHY-EM-YXU Specifications

Unit Type			PUHY-EM72YXU-A	PUHY-EM96YXU-A	PUHY-EM120YXU-A	PUHY-EM144YXU-A	PUHY-EM168YXU-A	PUHY-EM192YXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	72,000	96,000	120,000	144,000	168,000	192,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		80,000	108,000	135,000	160,000	188,000	192,000
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 36-1/4 x 29-7/16 [1,798 x 920 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]	70-13/16 x 47-15/16 x 29-7/16 [1,798 x 1,217 x 747]
Net Weight	Net Weight	lbs [kg]	628 [285]	628 [285]	631 [286]	741 [336]	741 [336]	741 [336]
External Finish	External Finish		MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed
	Liquid (High Pressure)		3/8 [9.52] Brazed	3/8 [9.52] Brazed	3/8 [9.52] Brazed	1/2 [12.72] Brazed	5/8 [15.88] Brazed	5/8 [15.88] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]	541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 14	M04~M96 / 19	M04~M96 / 23	M04~M96 / 28	M04~M96 / 33	M04~M96 / 38
	Total Capacity		M93	M124	M156	M187	M218	M249
Sound Power Levels	Sound Power Levels	dB(A)	78.50 / 78.50	80 / 80	83.50 / 83.50	82.50 / 82.50	88.50 / 88.50	89.50 / 89.50
Fan	Airflow Rate	CFM	6,356	6,532	7,062	8,474	10,593	11,123
	Compressor Operating Range		13%~100%	13%~100%	13%~100%	11%~100%	11%~100%	11%~100%
	Fan Motor Output	kW	0.92	0.92	0.92	0.46	0.46	0.46
	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
Refrigerant	Type x Original Charge	Type x lbs, oz [kg]	R-32 x 11, 11 [5.30]	R-32 x 11, 11 [5.30]	R-32 x 11, 11 [5.30]	R-32 x 13, 15 [6.30]	R-32 x 13, 15 [6.30]	R-32 x 13, 15 [6.30]
AHRI Ratings (Ducted/ Non-ducted)	COP		4.20 / 4.81	4.06 / 4.58	3.87 / 4.22	3.70 / 4.16	3.55 / 3.89	3.58 / 3.90
	EER		14.40 / 15.60	13.90 / 14.80	13.00 / 13.60	12.70 / 13.30	11.90 / 12.30	11.30 / 11.70
	IEER		23.30 / 27.80	24.10 / 27.70	23.80 / 26.50	22.00 / 23.80	21.30 / 23.50	21.00 / 22.50

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region

PUHY-HM-TXU Specifications

Unit Type			PUHY-HM72TXU-A	PUHY-HM96TXU-A	PUHY-HM120TXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	72,000	96,000	120,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		80,000	108,000	135,000
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	70-13/16 x 35-7/8 x 29-3/16 [1,798 x 910 x 740]	70-13/16 x 47-9/16 x 29-3/16 [1,798 x 1,207 x 740]	70-13/16 x 47-9/16 x 29-3/16 [1,798 x 1,207 x 740]
Net Weight	Net Weight	lbs [kg]	591 [268]	697 [316]	701 [318]
External Finish	External Finish		MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed	1 1/8 [28.58] Brazed
	Liquid (High Pressure)		3/8 [9.52] Brazed	3/8 [9.52] Brazed	3/8 [9.52] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 14	M04~M96 / 19	M04~M96 / 23
	Total Capacity		M93	M124	M156
Sound Power Levels	Sound Power Levels	dB(A)	78.50 / 78.50	82 / 82	83.50 / 83.50
Fan	Airflow Rate	CFM	6,356	9,181	9,181
	Compressor Operating Range		13%~100%	11%~100%	11%~100%
	Fan Motor Output	kW	0.92	0.46	0.46
	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
Refrigerant	Type x Original Charge	Type x lbs, oz [kg]	R-32 x 11, 11 [5.30]	R-32 x 13, 15 [6.30]	R-32 x 13, 15 [6.30]
AHRI Ratings (Ducted/Non-ducted)	COP		4.20 / 4.81	4.04 / 4.53	3.82 / 4.38
	EER		14.40 / 15.60	13.60 / 14.60	13.60 / 14.10
	IEER		23.30 / 27.80	22.40 / 25.40	22.60 / 25.10

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
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PUHY-HM-YXU Specifications

Unit Type			PUHY-HM72YXU-A	PUHY-HM96YXU-A	PUHY-HM120YXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	72,000	96,000	120,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		80,000	108,000	135,000
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	70-13/16 x 35-7/8 x 29-3/16 [1,798 x 910 x 740]	70-13/16 x 47-9/16 x 29-3/16 [1,798 x 1,207 x 740]	70-13/16 x 47-9/16 x 29-3/16 [1,798 x 1,207 x 740]
Net Weight	Net Weight	lbs [kg]	622 [282]	732 [332]	732 [332]
External Finish	External Finish		MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed	1 1/8 [28.58] Brazed
	Liquid (High Pressure)		3/8 [9.52] Brazed	3/8 [9.52] Brazed	3/8 [9.52] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 14	M04~M96 / 19	M04~M96 / 23
	Total Capacity		M93	M124	M156
Sound Power Levels	Sound Power Levels	dB(A)	78.50 / 78.50	82 / 82	83.50 / 83.50
Fan	Airflow Rate	CFM	6,356	9,181	9,181
	Compressor Operating Range		13%~100%	11%~100%	11%~100%
	Fan Motor Output	kW	0.92	0.46	0.46
	Type x Quantity		Propeller fan x 1	Propeller fan x 2	Propeller fan x 2
Refrigerant	Type x Original Charge	Type x lbs, oz [kg]	R-32 x 11, 11 [5.30]	R-32 x 13, 15 [6.30]	R-32 x 13, 15 [6.30]
AHRI Ratings (Ducted/Non-ducted)	COP		4.20 / 4.81	4.04 / 4.53	3.82 / 4.38
	EER		14.40 / 15.60	13.60 / 14.60	13.60 / 14.10
	IEER		23.30 / 27.80	22.40 / 25.40	22.60 / 25.10

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region

PUHY-EM-TSXU Specifications

Unit Type			PUHY-EM264TSXU-A	PUHY-EM288TSXU-A	PUHY-EM312TSXU-A	PUHY-EM336TSXU-A	PUHY-EM360TSXU-A	PUHY-EM384TSXU-A
Module 1			PUHY-EM144TXU-A	PUHY-EM144TXU-A	PUHY-EM168TXU-A	PUHY-EM168TXU-A	PUHY-EM192TXU-A	PUHY-EM192TXU-A
Module 2			PUHY-EM120TXU-A	PUHY-EM144TXU-A	PUHY-EM144TXU-A	PUHY-EM168TXU-A	PUHY-EM168TXU-A	PUHY-EM192TXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	264,000	288,000	312,000	336,000	360,000	384,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		295,000	323,000	350,000	378,000	380,000	384,000
Net Weight	Net Weight	lbs [kg]	708+606 [321+275]	708+708 [321+321]	708+708 [321+321]	708+708 [321+321]	708+708 [321+321]	708+708 [321+321]
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	1 3/8 [34.92] Brazed	1 3/8 [34.92] Brazed	1 3/8 [34.92] Brazed	1 5/8 [41.28] Brazed	1 5/8 [41.28] Brazed	1 5/8 [41.28] Brazed
	Liquid (High Pressure)		3/4 [19.05] Brazed	3/4 [19.05] Brazed	3/4 [19.05] Brazed	3/4 [19.05] Brazed	3/4 [19.05] Brazed	3/4 [19.05] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]	541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 50	M04~M96 / 50	M04~M96 / 50	M04~M96 / 50	M04~M96 / 50	M04~M96 / 50
	Total Capacity		M343	M374	M405	M436	M468	M499
Sound Power Levels	Sound Power Levels	dB(A)	86.50 / 86.50	86 / 86	89.50 / 89.50	92 / 92	92.50 / 92.50	93 / 93
Compressor Operating Range	Compressor Operating Range		6%~100%	5%~100%	5%~100%	5%~100%	5%~100%	5%~100%
AHRI Ratings (Ducted/ Non-ducted)	COP		3.61 / 3.81	3.52 / 3.71	3.42 / 3.64	3.34 / 3.44	3.34 / 3.51	3.40 / 3.49
	EER		12.20 / 12.70	12.00 / 12.40	11.40 / 11.70	10.90 / 11.10	10.70 / 10.70	10.40 / 10.30
	IEER		22.20 / 24.50	21.20 / 23.20	20.70 / 22.60	20.20 / 22.50	19.90 / 21.80	19.70 / 21.20

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region

PUHY-GM Specifications

Unit Type			PUHY-GM192TXU-A	PUHY-GM192YXU-A	PUHY-GM216TXU-A	PUHY-GM216YXU-A	PUHY-GM240TXU-A	PUHY-GM240YXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	Btu/h	192,000	192,000	216,000	216,000	240,000	240,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		215,000	215,000	243,000	243,000	260,000	260,000
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	79 3/4 x 76 7/8 x 29 1/2 [2025 x 1952 x 748]	79 3/4 x 76 7/8 x 29 1/2 [2025 x 1952 x 748]	79 3/4 x 76 7/8 x 29 1/2 [2025 x 1952 x 748]	79 3/4 x 76 7/8 x 29 1/2 [2025 x 1952 x 748]	79 3/4 x 76 7/8 x 29 1/2 [2025 x 1952 x 748]	79 3/4 x 76 7/8 x 29 1/2 [2025 x 1952 x 748]
Net Weight	Net Weight	lbs [kg]	1305.14 [592]	1364.66 [619]	1313.95 [596]	1366.86 [620]	1320.57 [599]	1369.07 [621]
External Finish	External Finish		MUNSELL 5Y8/1	MUNSELL 5Y8/1	MUNSELL 5Y8/1	MUNSELL 5Y8/1	MUNSELL 5Y8/1	MUNSELL 5Y8/1
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance	V AC / V AC, ø, Hz	208 / 230, 3, 60	460 / 460, 3, 60	208 / 230, 3, 60	460 / 460, 3, 60	208 / 230, 3, 60	460 / 460, 3, 60
Refrigerant Piping Diameter	Liquid (High Pressure)	inch [mm]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
	Gas (Low Pressure)		1-1/8 [28.58]	1-1/8 [28.58]	1-3/8 [34.92]	1-3/8 [34.92]	1-3/8 [34.92]	1-3/8 [34.92]
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	ft [m]	3280 [1000]	3280 [1000]	3280 [1000]	3280 [1000]	3280 [1000]	3280 [1000]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]	541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3280 [1000]	3280 [1000]	3280 [1000]	3280 [1000]	3280 [1000]	3280 [1000]
Indoor Unit Connectable	Total Capacity		M249	M249	M280	M280	M312	M312
	Model/Quantity		M96-M249 / 38	M96-M249 / 38	M108-M280 / 43	M108-M280 / 43	M120-M312 / 47	M120-M312 / 47
Sound Power Levels	Sound Power Levels	dB(A)	84.50 / 84.50	84.50 / 84.50	86.50 / 86.50	86.50 / 86.50	89.50 / 89.50	89.50 / 89.50
Fan	Type x Quantity		Propeller fan	Propeller fan	Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Fan Motor Output	kW	0.92+0.92	0.92+0.92	0.92+0.92	0.92+0.92	0.92+0.92	0.92+0.92
	Airflow Rate	CFM	12,712	12,712	13,418	13,418	14,654	14,654
	Compressor Operating Range		13% ~ 100%	13% ~ 100%	13% ~ 100%	13% ~ 100%	13% ~ 100%	13% ~ 100%
Refrigerant	Type x Original Charge	Type x lbs [kg]	R32 x 23 [10.60]	R32 x 23 [10.60]	R32 x 23 [10.60]	R32 x 23 [10.60]	R32 x 23 [10.60]	R32 x 23 [10.60]
AHRI Ratings (Ducted/ Non-ducted)	EER		13.10 / 13.60	13.10 / 13.60	12.80 / 13.30	12.80 / 13.30	12.20 / 12.60	12.20 / 12.60
	IEER		22.90 / 25.90	22.90 / 25.90	22.60 / 24.70	22.60 / 24.70	22 / 23.10	22 / 23.10
	COP		3.91 / 4.04	3.91 / 4.04	3.79 / 3.90	3.79 / 3.90	3.33 / 3.33	3.33 / 3.33

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023)
Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023)
Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
*Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region
*For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal
*When applying product below -4°F, consult your design engineer for cold climate application best practices, including the use of a backup source for heating
*Unit will continue to operate in extended operating range, but capacity is not guaranteed

PUHY-HM-TSXU Specifications

Unit Type			PURY-HM144TSXU-A	PURY-HM192TSXU-A	PURY-HM240TSXU-A
Module 1			PURY-HM72TXU-A	PURY-HM96TXU-A	PURY-HM120TXU-A
Module 2			PURY-HM72TXU-A	PURY-HM96TXU-A	PURY-HM120TXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	144,000	192,000	240,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		160,000	215,000	270,000
Net Weight	Net Weight	lbs [kg]	595+595 [270+270]	701+701 [318+318]	708+708 [321+321]
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%	208 / 230, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 3/8 [34.92] Brazed
	Liquid (High Pressure)		7/8 [22.23] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	2,706 [825]	2,706 [825]	2,706 [825]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 29	M04~M96 / 39	M04~M96 / 49
	Total Capacity		M216	M288	M360
Sound Power Levels	Sound Power Levels	dB(A)	82 / 82	85.50 / 85.50	87 / 87
Compressor Operating Range	Compressor Operating Range		6%~100%	5%~100%	5%~100%
AHRI Ratings (Ducted/Non-ducted)	COP		3.88 / 4.34	3.86 / 4.16	3.57 / 3.92
	EER		13.30 / 14.00	12.90 / 13.80	12.80 / 13.50
	IEER		21.80 / 24.60	21.70 / 24.20	21.60 / 24.40
	SCHE		24.80 / 27.70	23.00 / 28.00	22.90 / 26.80

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region

PUHY-HM-YSXU Specifications

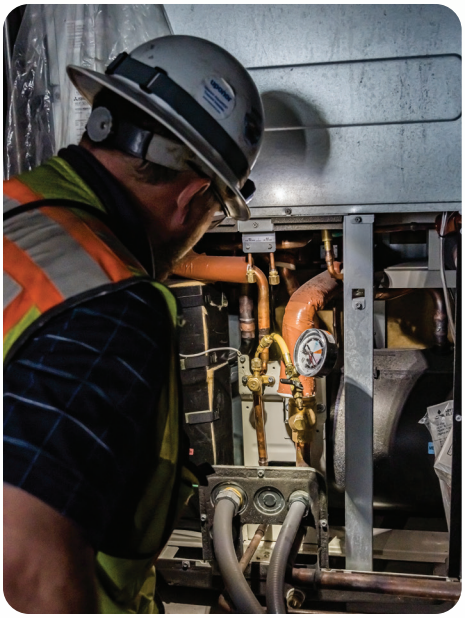
Unit Type			PURY-HM144YSXU-A	PURY-HM192YSXU-A	PURY-HM240YSXU-A
Module 1			PURY-HM72YXU-A	PURY-HM96YXU-A	PURY-HM120YXU-A
Module 2			PURY-HM72YXU-A	PURY-HM96YXU-A	PURY-HM120YXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	BTU/H	144,000	192,000	240,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		160,000	215,000	270,000
Net Weight	Net Weight	lbs [kg]	626+626 [284+284]	739+739 [335+335]	739+739 [335+335]
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%	460, 3 -phase , 60 Hz , ±10%
Refrigerant Piping Diameter	Gas (Low Pressure)	In. [mm] Brazed	1 1/8 [28.58] Brazed	1 1/8 [28.58] Brazed	1 3/8 [34.92] Brazed
	Liquid (High Pressure)		7/8 [22.23] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	2,706 [825]	2,706 [825]	2,706 [825]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541 [165]	541 [165]	541 [165]
Max. Control Wiring Length	Max. Control Wiring Length		3,280 [1,000]	3,280 [1,000]	3,280 [1,000]
Indoor Unit Connectable	Model/Quantity		M04~M96 / 29	M04~M96 / 39	M04~M96 / 49
	Total Capacity		M216	M288	M360
Sound Power Levels	Sound Power Levels	dB(A)	82 / 82	85.50 / 85.50	87 / 87
Compressor Operating Range	Compressor Operating Range		6%~100%	5%~100%	5%~100%
AHRI Ratings (Ducted/Non-ducted)	COP		3.88 / 4.34	3.86 / 4.16	3.57 / 3.92
	EER		13.30 / 14.00	12.90 / 13.80	12.80 / 13.50
	IEER		21.80 / 24.60	21.70 / 24.20	21.60 / 24.40
	SCHE		24.80 / 27.70	23.00 / 28.00	22.90 / 26.80

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region


MITSUBISHI ELECTRIC

Water-source performance for challenging buildings

CITY MULTI® water-source VRF systems (PQRY) provide simultaneous heating and cooling, powered by heat recovery performance. Compact footprints and flexible installation make them ideal for high-rise, mixed-use, and interior-load projects where air-source equipment is constrained or not desirable. By tying into a building's water loop, these systems deliver year-round comfort, zoning flexibility, and high efficiency while preserving valuable exterior and rooftop space.



System versatility and applications

- **High efficiency:**
  Water-source units deliver greater efficiency with less derating compared to air-source options, as it takes less energy to extract or reject heat from water due to its higher density compared to air. Using a closed water loop as the condenser medium brings variable refrigerant flow advantages to buildings where excessive line lengths would degrade performance and efficiencies or where extreme ambient temperature might pose design challenges. These units can easily be installed indoors, making system performance efficiency independent of outdoor ambient temperatures.
- **Flexible installation:**
  Water-source VRF units have piping allowances similar to air-source systems, but are typically installed closer to occupied spaces on virtually any floor, so designers can free up rooftops, setbacks, and exterior walls for other uses. This flexibility also helps address concerns related to aesthetics, weight, or historical preservation.
- **Design versatility:**
  Depending on capacity, each system can serve up to 50 indoor units in multiple styles, allowing engineers to tailor comfort to occupancy patterns, space types, and architectural constraints. With indoor installation, there is no need for supplemental heat or the risk of frost and compressor failure due to freezing temperatures.
- **Year-round comfort:**
  Our PQRY systems support simultaneous heating and cooling, allowing different zones to be conditioned independently—perfect for buildings with diverse occupancy and usage patterns. The simultaneous two-pipe system allows all CITY MULTI® units to switch between cooling and heating while maintaining a constant indoor temperature.
- **Geothermal applications:**
  When used in geothermal and other types of applications, CITY MULTI water-source systems take heat or reject heat from/to the ground. Closed loop systems accomplish this by circulating water through a series of wells or loops that are installed in the ground, turning the ground into a large heat exchanger. Because the ground remains relatively unaffected by outdoor ambient temperatures, ground loops typically offer more stable temperatures, which can improve system efficiency.
- **Section 48 tax credits unlock major savings:**
  Take advantage of Section 48 tax credits still available under the current tax code that cover up to 30% of total installed system costs when thermal battery (such as geothermal field) is used. This powerful incentive makes investing in high-efficiency VRF systems more affordable than ever.

PQRY (WR2-Series) Heat Recovery

Simultaneous heating and cooling for diverse building needs

The PQRY water-source heat recovery system (WR2-Series) is engineered for simultaneous heating and cooling, making it ideal for buildings with complex and varied comfort requirements. With advanced double heat recovery, the system maximizes energy reuse and reduces operating costs—perfect for facilities that require year-round cooling, such as tenant buildings with kitchens and offices, or those with equipment rooms alongside occupied spaces. It also excels in environments with significant temperature differences between zones, like sunny and shaded rooms, and in hotels or mixed-use buildings where individual spaces demand independent climate control. The WR2-Series delivers flexible, efficient comfort for buildings with diverse loads and operational needs.

Double heat recovery

Energy is recovered both within the refrigerant circuit (between indoor units) and across the shared water loop (between PQRY modules), reducing energy waste in shoulder seasons and mixed-use applications.

Compact modular chassis

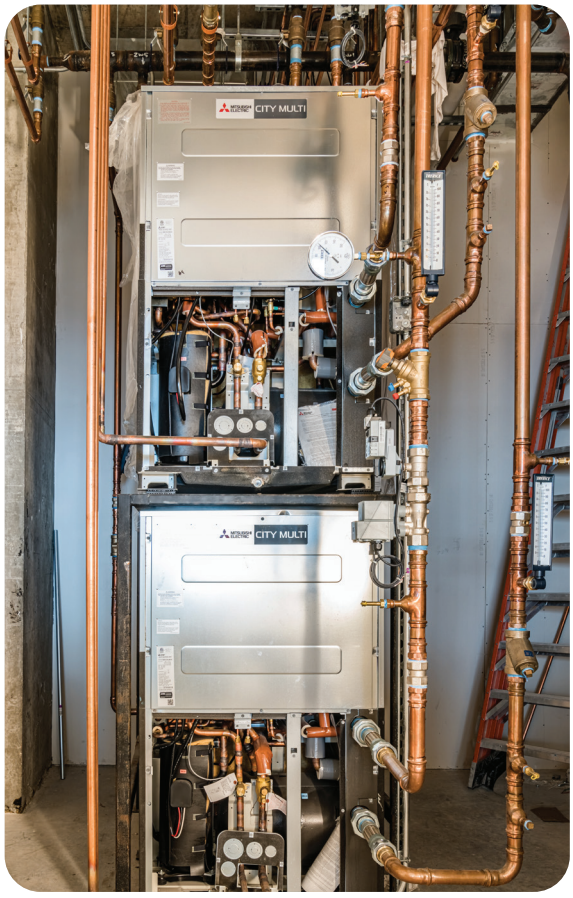
Lightweight, space-conscious design and reduced piping and refrigerant charge requirements support tight equipment rooms and phased build-outs.
All capacities for the new R-32 PQRY systems use a single chassis, simplifying installation, inventory, and service.

Capacity range

First manufacturer offering single modules up to 20 tons. You can combine modules up to 28 tons and power 208/230V or 460V.

Key performance technologies

- **Inverter-driven Scroll Compressors:** Variable-speed compressors modulate capacity precisely to match load, lowering starting current, improving part-load efficiency, and enhancing occupant comfort.
- **Fixed plate heat exchangers:** More compact than tube-in-tube styles.
- **High-rise capability:** Water-source VRF can be applied in buildings exceeding 164 ft (50 m) in height, eliminating the need for long refrigerant line runs to rooftop equipment and avoiding outdoor air exchange at elevation. Long refrigerant lines can lead to significant performance and efficiency penalties associated with excessive vertical separations.

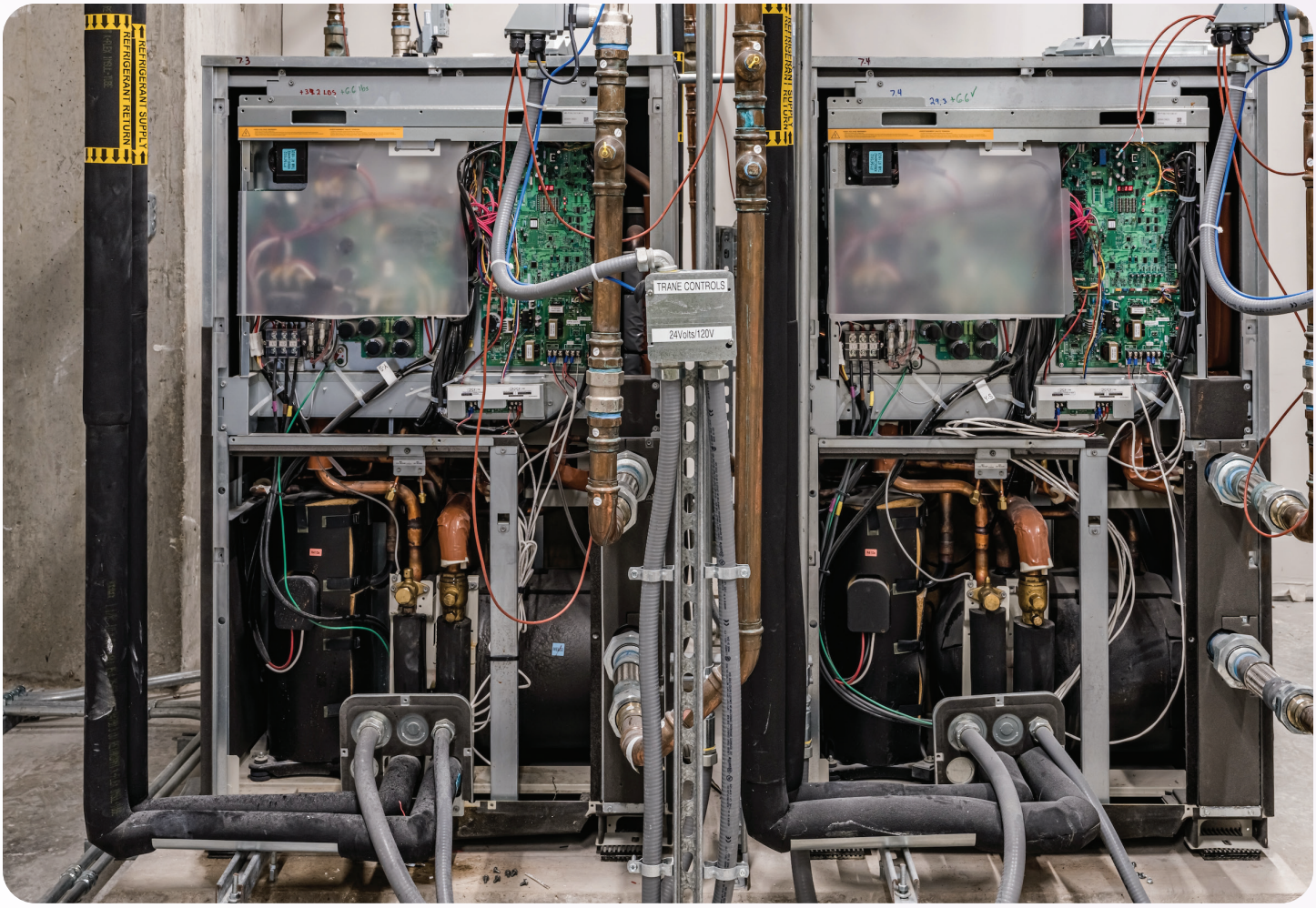


Application flexibility and controls

- **Space-saving indoor installation:** Locating water-source units indoors preserves exterior aesthetics, maximizes rentable area, and simplifies service access in dense urban sites.
- **Centralized building management:** Compatible with AE-C400A, EW-C50A central controllers, and BACnet® building management systems, CITY MULTI® water-source VRF supports centralized scheduling, monitoring, and energy reporting.
- **Intelligent comfort modes:** Dual setpoint and Auto Mode support automatic transitions between heating and cooling based on zone demand, balancing comfort and energy performance.
- **Accessory condenser Electronic Pressure Independent Valve (EPIV):** EPIV isn't just a smart choice, it's a strategic one. By modulating flow based on a 0-10V signal provided by the outdoor unit, our EPIV helps maximize system performance while significantly reducing total operation and install costs.

Reliability. Serviceability. Durability.

- **Modular design:**
  Modular construction simplifies maintenance, supports staged installation, and allows future expansion as building needs evolve.
- **Easy access:**
  All service components can be accessed by removing front panel.
- **Built-in protections:**
  Integrated high/low pressure, overcurrent, and overheat protections, combined with advanced diagnostics through remote controllers, help protect equipment and shorten troubleshooting time.
- **Next-generation safety and compliance:**
  Our integral refrigerant leak sensing, built directly into the rated enclosure of our cabinet, will eliminate the need for separate MREL (mechanical room enclosure leak) mitigation. With a built-in exhaust connection, you get streamlined compliance, enhanced safety, and peace of mind — all in one package.
- **Diamond-Like Carbon (DLC) Coating:**
  DLC coating has been added to compressor sleeves on chassis for enhanced resistance to foreign material contamination.
- **Built-in refrigerant detection and fan:**
  New structure includes internal refrigerant detection and a built-in fan on the side panel for leak mitigation, simplifying installation in narrow spaces (per UL60335-2-40 Ed. 4).
- Extended 10-year parts and compressor warranty available.



Technical highlights

- **Capacity range:**
  6–20 tons per module, can be twinned to form systems up to 28 tons. Water loop temperature range 50° F - 113° F (10° C - 45° C) or 23° F - 113° F (5° C - 45° C) with glycol and setting change.
- **Indoor unit lineup:**
  Compatible with all CITY MULTI® indoor unit styles including ceiling cassettes, ducted units, wall- and floor-mounted units, and multi-position air handlers.
- **Controls options:**
  BACnet® BMS, EW-C50A central controllers, AE-C400A, plus individual zone controllers and centralized controller options to match project requirements.
- **Installation mitigation:**
  For installation in narrow spaces, the bottom of the exhaust fan outlet must be at a height of 1.8m or above as defined by UL 60335-2-40 Ed. 4. With fan positioned at 1.2m on the side panel, an equipment stand with minimum height of 0.6m or ventilation duct connection is required.

PQRY-M-TXU Specifications

Unit Type			PQRY-M72TXU-A	PQRY-M96TXU-A	PQRY-M120TXU-A	PQRY-M144TXU-A	PQRY-M168TXU-A	PQRY-M192TXU-A	PQRY-M216TXU-A	PQRY-M240TXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000	216,000	240,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)		80,000	108,000	135,000	160,000	188,000	215,000	243,000	270,000
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]
Net Weight	Net Weight	lbs [kg]	491.63 [223]	489.43 [222]	489.43 [222]	498.24 [226]	498.24 [226]	496.04 [225]	562.18 [255]	562.18 [255]
External Finish	External Finish		MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz
Flow Rate	L/min		91	96	96	120	120	120	192	192
	Flow Rate	G/min (gpm)	24	25.4	25.4	31.7	31.7	31.7	50.7	50.7
Pressure Drop	Ft		8.03	8.03	8.03	14.72	14.72	14.72	15.06	15.06
	Pressure Drop	psi	3.48	3.48	3.48	6.38	6.38	6.38	6.53	6.53
Refrigerant Piping Diameter (From Twinning Kit to First Joint or Header)	Gas (Low Pressure)	In. [mm]	5/8 [15.88]	3/4 [19.05]	3/4 [19.05]	7/8 [22.23]	7/8 [22.23]	7/8 [22.23]	7/8 [22.23]	7/8 [22.23]
	Liquid (High Pressure)		3/4 [19.05]	7/8 [22.23]	7/8 [22.23]	1 1/8 [28.58]	1 1/8 [28.58]	1 1/8 [28.58]	1 1/8 [28.58]	1 3/8 [34.93]
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	984.25 [300]	984.25 [300]	984.25 [300]	1,640.42 [500]	1,640.42 [500]	1,640.42 [500]	1,640.42 [500]	1,640.42 [500]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541.34 [165]	541.34 [165]	541.34 [165]	541.34 [165]	541.34 [165]	541.34 [165]	541.34 [165]	541.34 [165]
Max. Control Wiring Length	Max. Control Wiring Length		656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]
Indoor Unit Connectable	Model/Quantity		M04□M96 / 14	M04□M96 / 19	M04□M96 / 24	M04□M96 / 29	M04□M96 / 34	M04□M96 / 39	M04□M96 / 44	M04□M96 / 49
	Total Capacity		108,000	144,000	180,000	216,000	252,000	288,000	324,000	360,000
Sound Power Levels	Sound Power Levels	dB(A)	60.50 / 60.50	65 / 65	71 / 71	68 / 68	72 / 72	73 / 73	72.50 / 72.50	74 / 74
Refrigerant	lbs, oz [kg]		9, 14.7 [4.50]	9, 14.7 [4.50]	9, 14.7 [4.50]	9, 14.7 [4.50]	9, 14.7 [4.50]	9, 14.7 [4.50]	16, 8.6 [7.50]	16, 8.6 [7.50]
AHRI Ratings (Ducted/Non-ducted)	COP		6.20 / 6.72	6.17 / 6.62	5.79 / 6.44	5.58 / 6.34	5.09 / 5.75	4.96 / 5.38	4.83 / 5.39	4.60 / 5.20
	EER		17.30 / 18.70	16.20 / 18.20	14.20 / 15.50	13.10 / 14.40	12.30 / 13.30	11.90 / 12.10	11.60 / 11.30	10.80 / 11
	IEER		22.80 / 26.90	22.70 / 26.50	21.90 / 25.70	20.10 / 25.30	19.20 / 23.70	18.60 / 21.70	17.80 / 18.90	17.70 / 18.80
	SCHE		23.60 / 21.90	19.70 / 21.10	19.70 / 18.90	20.10 / 20.10	19.70 / 19.70	20.30 / 20.30	19.70 / 19.70	19.70 / 19.70

[1]23°F EWT (Entering water temperature) is possible with glycol.

PQRY-M-TXU Specifications

Unit Type			PQRY-M144TSXU-A	PQRY-M168TSXU-A	PQRY-M192TSXU-A	PQRY-M216TSXU-A	PQRY-M240TSXU-A	PQRY-M288TSXU-A	PQRY-M312TSXU-A	PQRY-M336TSXU-A
Module 1			PQRY-M72TXU-A	PQRY-M72TXU-A	PQRY-M96TXU-A	PQRY-M96TXU-A	PQRY-M120TXU-A	PQRY-M144TXU-A	PQRY-M144TXU-A	PQRY-M168TXU-A
Module 2			PQRY-M72TXU-A	PQRY-M96TXU-A	PQRY-M96TXU-A	PQRY-M120TXU-A	PQRY-M120TXU-A	PQRY-M144TXU-A	PQRY-M144TXU-A	PQRY-M168TXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	Btu/h	144,000	168,000	192,000	216,000	240,000	288,000	312,000	336,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		160,000	188,000	215,000	243,000	270,000	323,000	350,000	378,000
Electrical Power Requirements	Voltage, Phase, Hertz, Power Tolerance		208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz	208 / 230, 3 -phase , 60 Hz
Refrigerant Piping Diameter	Liquid (High Pressure)	In. [mm] Brazed	1-1/8 [28.58] Brazed	1-1/8 [28.58] Brazed	1-1/8 [28.58] Brazed	1-1/8 [28.58] Brazed	1-3/8 [34.93] Brazed	1-3/8 [34.93] Brazed	1-3/8 [34.93] Brazed	1-5/8 [41.28] Brazed
	Gas (Low Pressure)		7/8 [22.23] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed	1-1/8 [28.58] Brazed	1-1/8 [28.58] Brazed	1-1/8 [28.58] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	1,640.42 [500]	1,640.42 [500]	1,640.42 [500]	1,640.42 [500]	1,640.42 [500]	1,640.42 [500]	1,640.42 [500]	1,640.42 [500]
Max. Control Wiring Length	Max. Control Wiring Length		656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]
Indoor Unit Connectable	Total Capacity		216,000	252,000	288,000	324,000	360,000	432,000	468,000	504,000
	Model/Quantity		M04~M96 / 29	M04~M96 / 34	M04~M96 / 39	M04~M96 / 44	M04~M96 / 49	M04~M96 / 50	M04~M96 / 50	M04~M96 / 50
Sound Power Levels	Sound Power Levels	dB(A)	63.50 / 63.50	66.50 / 66.50	68 / 68	72 / 72	74 / 74	71 / 71	73.50 / 73.50	75 / 75
AHRI Ratings (Ducted/Non-ducted)	EER		15.90 / 18.20	15.60 / 17.60	15.20 / 17.10	14.40 / 15.50	13.40 / 14.50	11.80 / 13.50	11.60 / 13.10	11.30 / 12.50
	IEER		21.70 / 23.30	22 / 23.90	22 / 24.90	22.20 / 24.60	21.20 / 24.20	20.30 / 21.30	18.70 / 20.50	17.90 / 19.80
	COP		5.38 / 6.34	5.77 / 6.24	6.14 / 6.14	5.96 / 6	5.58 / 5.82	5.17 / 5.78	5.06 / 5.75	4.96 / 5.72
	SCHE		21.70 / 20.20	21 / 22.60	19.70 / 21.80	19.70 / 20.10	19.30 / 20	20.10 / 19	19.70 / 19	19.70 / 19

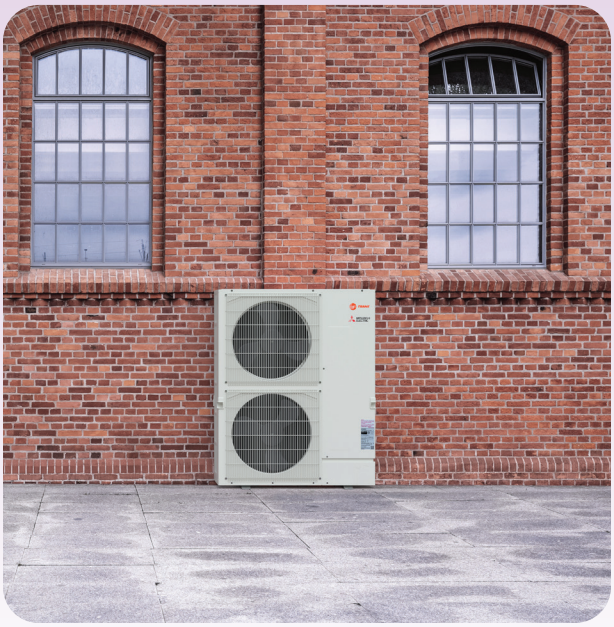
PQRY-M-YXU Specifications

Unit Type			PQRY-M72YXU-A	PQRY-M96YXU-A	PQRY-M120YXU-A	PQRY-M144YXU-A	PQRY-M168YXU-A	PQRY-M192YXU-A	PQRY-M216YXU-A	PQRY-M240YXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)	Btu/h	72,000	96,000	120,000	144,000	168,000	192,000	216,000	240,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)		80,000	108,000	135,000	160,000	188,000	215,000	243,000	270,000
External Dimensions (H x W x D)	External Dimensions (H x W x D)	inch x inch x inch [mm x mm x mm]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]	57-3/32 x 34-5/8 x 21-21/32 [1,450 x 880 x 550]
Net Weight	Net Weight	lbs [kg]	524.70 [238]	524.70 [238]	522.49 [237]	524.70 [238]	524.70 [238]	526.90 [239]	593.04 [269]	593.04 [269]
External Finish	External Finish		MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1	MUNSELL 5Y 8/1
Electrical Power Requirements			460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz
Flow Rate	L/min		91	96	96	120	120	120	192	192
	Flow Rate	G/min (gpm)	24	25.4	25.4	31.7	31.7	31.7	50.7	50.7
Pressure Drop	Ft		8.03	8.03	8.03	14.72	14.72	14.72	15.06	15.06
	Pressure Drop	psi	3.48	3.48	3.48	6.38	6.38	6.38	6.53	6.53
Refrigerant Piping Diameter (From Twinning Kit to First Joint or Header)	Gas (Low Pressure)	In. [mm]	5/8 [15.88]	3/4 [19.05]	3/4 [19.05]	7/8 [22.23]	7/8 [22.23]	7/8 [22.23]	7/8 [22.23]	7/8 [22.23]
	Liquid (High Pressure)		3/4 [19.05]	7/8 [22.23]	7/8 [22.23]	1 1/8 [28.58]	1 1/8 [28.58]	1 1/8 [28.58]	1 1/8 [28.58]	1 3/8 [34.93]
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	984.25 [300]	984.25 [300]	984.25 [300]	1,640.42 [500]	1,640.42 [500]	1,640.42 [500]	1,640.42 [500]	1,640.42 [500]
Max. Refrigerant Line Length (Between ODU & IDU)	Max. Refrigerant Line Length (Between ODU & IDU)		541.34 [165]	541.34 [165]	541.34 [165]	541.34 [165]	541.34 [165]	541.34 [165]	541.34 [165]	541.34 [165]
Max. Control Wiring Length	Max. Control Wiring Length		656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]
Indoor Unit Connectable	Model/Quantity		M04 M96 / 14	M04 M96 / 19	M04 M96 / 24	M04 M96 / 29	M04 M96 / 34	M04 M96 / 39	M04 M96 / 44	M04 M96 / 49
	Total Capacity		108,000	144,000	180,000	216,000	252,000	288,000	324,000	360,000
Sound Power Levels	Sound Power Levels	dB(A)	60.50 / 60.50	65 / 65	71 / 71	68 / 68	72 / 72	73 / 73	72.50 / 72.50	74 / 74
Refrigerant	lbs, oz [kg]		9, 14.7 [4.50]	9, 14.7 [4.50]	9, 14.7 [4.50]	9, 14.7 [4.50]	9, 14.7 [4.50]	9, 14.7 [4.50]	16, 8.6 [7.50]	16, 8.6 [7.50]
AHRI Ratings (Ducted/Non-ducted)	COP		6.20 / 6.72	6.17 / 6.62	5.79 / 6.44	5.58 / 6.34	5.09 / 5.75	4.96 / 5.38	4.83 / 5.39	4.60 / 5.20
	EER		17.30 / 18.70	16.20 / 18.20	14.20 / 15.50	13.10 / 14.40	12.30 / 13.30	11.90 / 12.10	11.60 / 11.30	10.80 / 11
	IEER		22.80 / 26.90	22.70 / 26.50	21.90 / 25.70	20.10 / 25.30	19.20 / 23.70	18.60 / 21.70	17.80 / 18.90	17.70 / 18.80
	SCHE		23.60 / 21.90	19.70 / 21.10	19.70 / 18.90	20.10 / 20.10	19.70 / 19.70	20.30 / 20.30	19.70 / 19.70	19.70 / 19.70

[1]23°F EWT (Entering water temperature) is possible with glycol.

PQRY-M-YXU Specifications

Unit Type			PQRY-M144YSXU-A	PQRY-M168YSXU-A	PQRY-M192YSXU-A	PQRY-M216YSXU-A	PQRY-M240YSXU-A	PQRY-M288YSXU-A	PQRY-M312YSXU-A	PQRY-M336YSXU-A
Module 1			PQRY-M72YXU-A	PQRY-M72YXU-A	PQRY-M96YXU-A	PQRY-M96YXU-A	PQRY-M120YXU-A	PQRY-M144YXU-A	PQRY-M144YXU-A	PQRY-M168YXU-A
Module 2			PQRY-M72YXU-A	PQRY-M96YXU-A	PQRY-M96YXU-A	PQRY-M120YXU-A	PQRY-M120YXU-A	PQRY-M144YXU-A	PQRY-M144YXU-A	PQRY-M168YXU-A
Cooling Capacity (Nominal)	Cooling Capacity (Nominal)[1]	Btu/h	144,000	168,000	192,000	216,000	240,000	288,000	312,000	336,000
Heating Capacity (Nominal)	Heating Capacity (Nominal)[2]		160,000	188,000	215,000	243,000	270,000	323,000	350,000	378,000
Electrical Power Requirements			460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz	460, 3 -phase , 60 Hz
Refrigerant Piping Diameter	Liquid (High Pressure)	In. [mm] Brazed	1-1/8 [28.58] Brazed	1-1/8 [28.58] Brazed	1-1/8 [28.58] Brazed	1-1/8 [28.58] Brazed	1-3/8 [34.93] Brazed	1-3/8 [34.93] Brazed	1-3/8 [34.93] Brazed	1-5/8 [41.28] Brazed
	Gas (Low Pressure)		7/8 [22.23] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed	7/8 [22.23] Brazed	1-1/8 [28.58] Brazed	1-1/8 [28.58] Brazed	1-1/8 [28.58] Brazed
Max. Total Refrigerant Line Length	Max. Total Refrigerant Line Length	Ft. [m]	1,640 [500]	1,640 [500]	1,640 [500]	1,640 [500]	1,640 [500]	1,640 [500]	1,640 [500]	1,640 [500]
Max. Control Wiring Length	Max. Control Wiring Length		656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]	656.17 [200]
Indoor Unit Connectable	Total Capacity		216,000	252,000	288,000	324,000	360,000	432,000	468,000	504,000
	Model/Quantity		M04~M96 / 29	M04~M96 / 34	M04~M96 / 39	M04~M96 / 44	M04~M96 / 49	M04~M96 / 50	M04~M96 / 50	M04~M96 / 50
Sound Power Levels	Sound Power Levels	dB(A)	63.50 / 63.50	66.50 / 66.50	68 / 68	72 / 72	74 / 74	71 / 71	73.50 / 73.50	75 / 75
AHRI Ratings (Ducted/Non-ducted)	EER		15.90 / 18.20	15.60 / 17.60	15.20 / 17.10	14.40 / 15.50	13.40 / 14.50	11.80 / 13.50	11.60 / 13.10	11.30 / 12.50
	IEER		21.70 / 23.30	22 / 23.90	22 / 24.90	22.20 / 24.60	21.20 / 24.20	20.30 / 21.30	18.70 / 20.50	17.90 / 19.80
	COP		5.38 / 6.34	5.77 / 6.24	6.14 / 6.14	5.96 / 6	5.58 / 5.82	5.17 / 5.78	5.06 / 5.75	4.96 / 5.72
	SCHE		21.70 / 20.20	21 / 22.60	19.70 / 21.80	19.70 / 20.10	19.30 / 20	20.10 / 19	19.70 / 19	19.70 / 19



SMART MULTI® 3-Phase Compact Systems

For big performance in a small footprint, our single- and multi-zone, all-electric, all-climate heat pump systems provide the perfect sustainable, energy-efficient solution.

Three-phase SMART MULTI outdoor units are multi-zone units and can connect to up to 30 CITY MULTI® commercial indoor units and up to 12 residential and light commercial indoor units. SMART MULTI heat pumps are available in 72k, 96k, and 120k BTU/H capacities, allowing for greater application versatility. The minimal footprint allows it to be installed in locations with limited space, such as on balconies or between businesses.

The indoor units support both R-454B and R-32 refrigerants.The addition of refrigerant leak detectors on all indoor units makes installation easier for contractors and provides consumers peace of mind. To further simplify the process, units now collect and store up to two weeks of operational data which can be recorded and exported using a USB memory stick.

Compatible with multiple wired and wireless controller options.

SMART MULTI® Specifications

Outdoor Unit			MXZ-SM72TL	MXZ-SM96TL	MXZ-SM120TL
Cooling at 95F[1] (Non-Ducted // Mixed // Ducted)	Rated Capacity	BTU/H	69,000 // 69,000 // 69,000	92,000 // 92,000 // 92,000	114,000 // 114,000 // 114,000
Heating at 47F[2] (Non-Ducted // Mixed // Ducted)			76,000 // 76,000 // 76,000	103,000 // 103,000 // 103,000	123,000 // 123,000 // 123,000
Efficiency (Non-Ducted // Mixed // Ducted)	EER		12.7 // 12.6 // 12.5	12.2 // 12.2 // 12.2	12.2 // 12 // 11.8
	IEER		25 // 23.75 // 22.5	24.2 // 23.15 // 22.1	25.3 // 23.6 // 21.9
	COP at 47°F[2]		4.38 // 4.28 // 4.20	4.05 // 3.94 // 3.83	3.94 // 3.87 // 3.81
Electrical	Electrical Power Requirements	V AC / V AC, ø, Hz	208 / 230, 3, 60	208 / 230, 3, 60	208 / 230, 3, 60
	Guaranteed Voltage Range	V AC	188 - 253	188 - 253	188 - 253
	Short-circuit Current Rating (SCCR)	kA	5	5	5
	Recommended Fuse/Breaker Size if Branch Box Powered by Outdoor Unit	A	60	60	70
	Recommended Fuse/Breaker Size without Branch Box or Branch Box Powered Separate		40	40	50
	MCA if Branch Box Powered by Outdoor Unit		50	64	67
	MOCP if Branch Box Powered by Outdoor Unit		75	100	88
	MCA without Branch Box or Branch Box Powered Separate		32	46	49
	MOCP without Branch Box or Branch Box Powered Separate		57	82	106
Outdoor Unit	Fan Motor Output	W	285+285	285+285	285+285
	Defrost Method		Reverse Cycle	Reverse Cycle	Reverse Cycle
	Blue Fin Heat Exchanger Coating		Yes	Yes	Yes
	Airflow Rate Cooling/Heating	CFM	5,260 / 5,260	6,320 / 6,320	7,345 / 7,345
	Sound Pressure Level, Cooling[1]	dB (A)	53	58	61
	Sound Pressure Level, Heating[2]		54	59	62
	Compressor Type		Scroll	Scroll	Scroll
	Compressor Motor Output	kW	5.3	5.3	5.3
	External Finish Color		3Y7.8/1.1	3Y7.8/1.1	3Y7.8/1.1
	Base Pan Heater		Optional	Optional	Optional
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	41-11/32 x 18-7/64 x 65-7/16 [1,050 x 460 x 1,662]	41-11/32 x 18-7/64 x 65-7/16 [1,050 x 460 x 1,662]	41-11/32 x 18-7/64 x 65-7/16 [1,050 x 460 x 1,662]
	Unit Weight	lbs [kg]	421 [191]	421 [191]	421 [191]
ODU Operating Temp. Range	Cooling Intake Air Temp (Maximum / Minimum[C])	°FDB	115 / 23	115 / 23	115 / 23
	Heating Intake Air Temp [Maximum / Minimum]	°FDB, °FWB / °FDB, °FWB	70, 59 / -13, -13	70, 59 / -13, -13	70, 59 / -13, -13
	Heating Thermal Lock-out / Re-start Temperatures**	°FDB	-24 / -14	-24 / -14	-24 / -14
Refrigerant	Type		R454B	R454B	R454B
IDU Connection	Maximum connected capacity	BTU/H	93,000	124,000	156,000
Piping	Liquid Pipe Size O.D. (Flared)	inch [mm]	3/8 [9.52]	3/8 [9.52]	1/2 [12.72]
	Gas Pipe Size O.D. (Flared)		7/8 [22.23]	7/8 [22.23]	1 1/8 [28.58]
	Total Piping Length without Branch Box	ft [m]	1,016 [310]	1,016 [310]	1,016 [310]

[1]Nominal cooling conditions (Test conditions are based on AHRI 1230-2023) Indoor: 80°FD.B./67°FW.B. (26.7°CD.B./19.4°CW.B.), Outdoor: 95°FD.B. (35°CD.B.)
[2]Nominal heating conditions (Test conditions are based on AHRI 1230-2023) Indoor: 70°FD.B. (21.1°CD.B.), Outdoor: 47°FD.B./43°FW.B. (8.3°CD.B./6.1°CW.B.)
[3]Heating at 17°F (Indoor: 70°F DB, 60°F WB // Outdoor: 17°F DB, 15°F WB)

[9]Heating at -13°F (Indoor: 70°F DB, 60°F WB // Outdoor: -13°F DB, -14°F WB)

[A]Maximum connected units reduced when PLA connected. Refer to manual for details

[B]Branch box should be placed within the level between the outdoor unit and indoor units

[C]5°F DB - 115°F DB when optional wind baffles are installed. 50F to 115°F DB when connecting, PKFY-P(M/L)04/06/08/12NLMU, PFFY-M06/08/12NEMU and PFFY-M06/08/12NRMU type indoor units. Applications should be restricted to comfort cooling only; equipment cooling applications are not recommended for low ambient temperature conditions. When the temperature is below 50°F D.B with the branch box system, noise could potentially occur.

·For actual capacity performance based on indoor unit type and number of indoor units connected, please refer to MXZ Operational Performance.

·Although the maximum connectible capacity is 130%, the outdoor unit cannot provide more than 100% of the rated capacity. Please utilize this over-capacity capability for load shedding or applications where it is known that all connected units will NOT be operating at the same time.

·Both CITY MULTI indoor units and branch box indoor units cannot be utilized on the same system.

·Refer to piping diagrams in the installation manuals for requirements related to piping lengths greater than 295 ft and when PEFY-M72 or M96 are installed..

·A dip switch setting can be changed to allow the fan to operate with an external static pressure of 0.12 in.w.g. (30 Pa).

BC controllers and Shut-off Valve Kit

BC controllers serve as the heart of CITY MULTI® VRF zoning, intelligently distributing refrigerant to each indoor unit for simultaneous heating and cooling in some systems. BC controllers come in both ventilated and non-ventilated options.

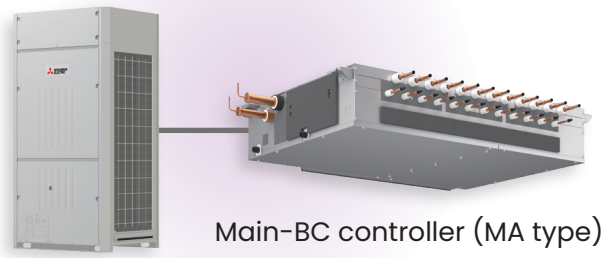
Precision control for every zone

- **Function:**
  Branch Circuit Controllers manage and direct refrigerant flow for zone control and efficiency.
- **System Compatibility:**
  The controllers and valves are compatible with R-32 CITY MULTI VRF systems.
- **Consolidation of Single BC into Main BC:**
  The BC controller design consolidates single and main BC functions, reducing SKUs and simplifying installation. The main BC controller supports both single and multiple system configurations.
- **Equivalent Height of BC controllers:**
  The height of BC controllers is equivalent to R-410A versions 9-15/16" (252 mm), ensuring compatibility with existing installations.
- **Ventilated Connections:**
  Two duct connections are provided, one on either side of the unit. Duct connection ports come with a solid cover installed as default. One four-inch circular duct flange is included. For ventilated BC option only*

Safety features

- Mrel is the amount of refrigerant that could be released into space if a leak occurs. It's used to assess safety risks and compliance with building codes. Mitsubishi Electric systems ensure that the amount of refrigerant released in a leak scenario does not exceed safety thresholds, protecting occupants and helping systems comply with codes and standards.
- Each BC port functions as a mitigation valve, helping to reduce Mrel and enhance system safety. The BC controller with built-in Linear Expansion Valves (LEVs) allows the units to utilize built-in risk mitigation safety features without needing field-supplied sourcing and installation. This simplifies maintenance and installation.
- All R-32 systems meet UL60335-2-40 Ed.4 and ETRS standards, with built-in shut-off LEVs for A2L refrigerants.
- SVK (Shut-off Valve Kit) and BC controllers limit refrigerant release in leak scenarios, ensuring compliance and occupant safety.
- SVK enables isolation of up to eight indoor units per kit, helping minimize refrigerant migration and reducing the affected zone during a leak event.
- If the sensor inside the ventilated BC Controller or SVK detects the refrigerant, all shut-off valves for the outdoor unit are closed, and indoor unit functions are stopped.

System with a single BC Controller

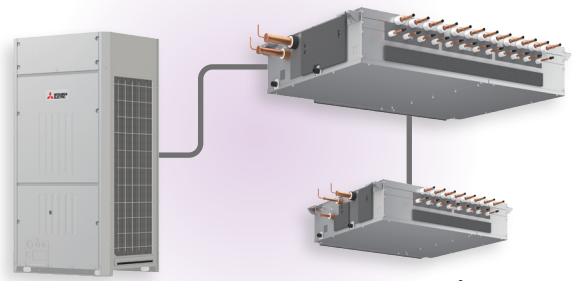


Main-BC controller (MA type)

Main-BC controller (MA type)

Model	Number of branches	Connectable outdoor unit capacity
CMB-M104NU-MA(1)-SV	4	M72 to M384
CMB-M106NU-MA(1)-SV	6	
CMB-M108NU-MA(1)-SV	8	
CMB-M1012NU-MA(1)-SV	12	

System with multiple BC Controllers



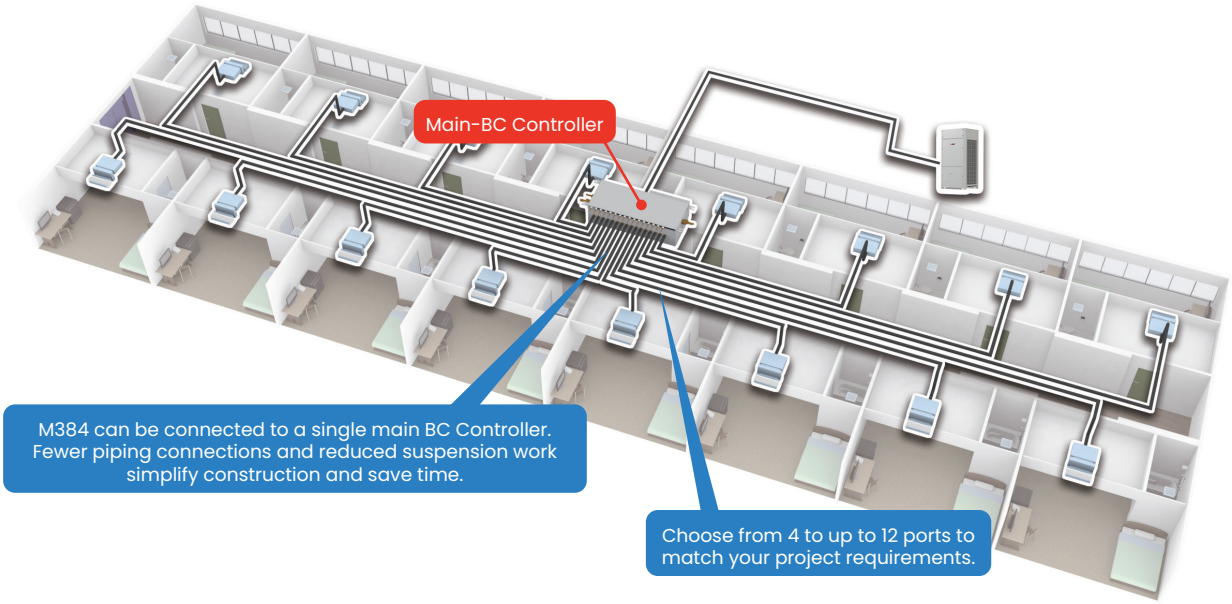
Sub-BC controller (MB types)

Sub-BC controller (MB types)

Model	Number of branches	Connectable main BC controller
CMB-M104NU-MB(1)-SV	4	CMB-M104/106/108/1012NU-MA(1)-SV
CMB-M108NU-MB(1)-SV	8	

BC Controller configurations

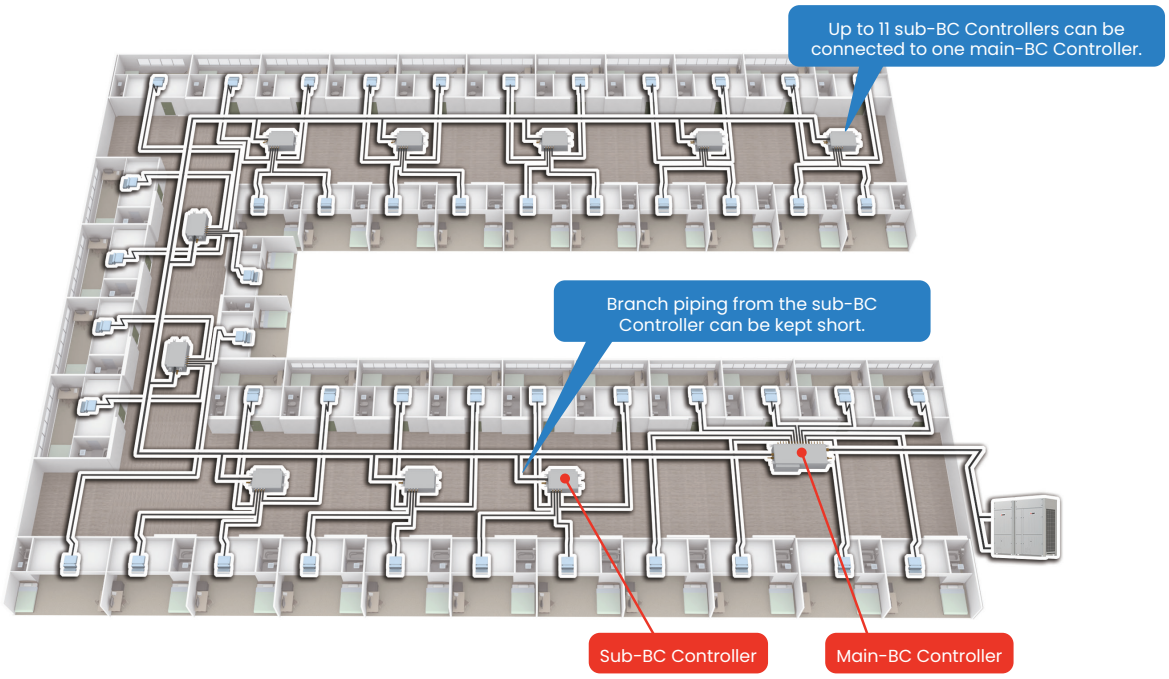
Connection with a multi-branch main-BC Controller



The line-branching method with a main-BC Controller and sub-BC Controllers

Sub-BC controllers can be installed closer to the indoor units, thus reducing both the total branch length and the amount of refrigerant used.

*When you install sub-BC controller, please refer to DATA BOOK for full detail.



CMB-M-MA-SV Specifications

Unit Type			CMB-M104NU-MA-SV	CMB-M106NU-MA-SV	CMB-M108NU-MA-SV	CMB-M1012NU-MA-SV
Indoor Unit Capacity Connectable to 1 Branch			M54	M54	M54	M54
Number Of Branches			4	6	8	12
Connectable Outdoor / Heat Source Unit Capacity			M72 to M384	M72 to M384	M72 to M384	M72 to M384
Electrical	Current Input Cooling (208/230V)	A	0.08 / 0.09	0.08 / 0.09	0.09 / 0.10	0.09 / 0.10
	Current Input Heating (208/230V)		0.05 / 0.05	0.05 / 0.05	0.06 / 0.06	0.06 / 0.06
	MCA		0.12	0.12	0.13	0.13
	MOCP		15	15	15	15
	Power Input Cooling (208/230V)	kW	0.02 / 0.02	0.02 / 0.02	0.02 / 0.02	0.02 / 0.02
	Power Input Heating (208/230V)		0.01 / 0.01	0.01 / 0.01	0.01 / 0.01	0.01 / 0.01
	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60
Indoor Unit	External Finish Color		Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	41 x 38 4/16 x 9 15/16 [1,040 x 970 x 252]	41 x 38 4/16 x 9 15/16 [1,040 x 970 x 252]	41 x 38 4/16 x 9 15/16 [1,040 x 970 x 252]	50 10/16 x 38 4/16 x 9 15/16 [1,285 x 970 x 252]
	Unit Weight	lbs [kg]	117 [53]	126 [57]	139 [63]	170 [77]
Refrigerant	Type		R-32	R-32	R-32	R-32
Sound Pressure Level (Measured in anechoic room)	Defrost	dB (A)	56	56	56	56
Piping	Drain Pipe Size O.D.	inch	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT

[1]The equipment is for use with R-32 refrigerant only. [2]When possible, avoid installing the BC controller within 15 Ft. of sound sensitive areas. [3]Rated operation sound data is based on cooling mode. Sound data may vary depending on outdoor unit capacity and operation mode. [4]Sound pressure/power levels obtained via testing in an anechoic chamber. Actual sound pressure levels may be greater due to ambient noise and/or deflection. [5]Sound pressure values were obtained at a test location approximately 5 Ft. from the unit. [6]The unit is intended for installation in an indoor environment only. [7]For details regarding installation specifics, please refer to the product's Installation Manual.

CMB-M-MA1-SV Specifications (Ventilated)

Unit Type			CMB-M104NU-MA1-SV	CMB-M106NU-MA1-SV	CMB-M108NU-MA1-SV	CMB-M1012NU-MA1-SV
Indoor Unit Capacity Connectable to 1 Branch			M54	M54	M54	M54
Number Of Branches			4	6	8	12
Connectable Outdoor / Heat Source Unit Capacity			M72 to M384	M72 to M384	M72 to M384	M72 to M384
Electrical	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60
	Power Input Cooling (208/230V)	kW	0.03 / 0.03	0.03 / 0.03	0.03 / 0.03	0.03 / 0.03
	Power Input Heating (208/230V)		0.02 / 0.02	0.02 / 0.02	0.02 / 0.02	0.02 / 0.02
	Current Input Cooling (208/230V)	A	0.11 / 0.12	0.11 / 0.12	0.12 / 0.13	0.12 / 0.13
	Current Input Heating (208/230V)		0.08 / 0.08	0.08 / 0.08	0.09 / 0.09	0.09 / 0.09
	MCA		0.12	0.12	0.13	0.13
	MOCP		15	15	15	15
Indoor Unit	External Finish Color		Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	41 x 38-1/4 x 9-15/16 [1,040 x 970 x 252]	41 x 38-1/4 x 9-15/16 [1,040 x 970 x 252]	41 x 38-1/4 x 9-15/16 [1,040 x 970 x 252]	50-9/16 x 38-1/4 x 9-15/16 [1,285 x 970 x 252]
	Unit Weight	lbs [kg]	117 [53]	126 [57]	139 [63]	170 [77]
Refrigerant	Type		R-32	R-32	R-32	R-32
Sound Pressure Level (Measured in anechoic room)	Defrost	dB (A)	56	56	56	56
Piping	Drain Pipe Size O.D.	inch	3/4 NPT	3/4 NPT	3/4 NPT	3/4 NPT

[1]The equipment is for use with R32 refrigerant only. [2]When possible, avoid installing the BC controller within 15 Ft. of sound sensitive areas. [3]Rated operation sound data is based on cooling mode. Sound data may vary depending on outdoor unit capacity and operation mode. [4]Sound pressure/power levels obtained via testing in an anechoic chamber. Actual sound pressure levels may be greater due to ambient noise and/or deflection. [5]Sound pressure values were obtained at a test location approximately 5 Ft. from the unit. [6]The unit is intended for installation in an indoor environment only. [7]For details regarding installation specifics, please refer to the product's Installation Manual.

CMB-M-MB-SV Specifications

Unit Type			CMB-M104NU-MB-SV	CMB-M108NU-MB-SV
Indoor Unit Capacity Connectable to 1 Branch			M54	M54
Number Of Branches			4	8
Electrical	Current Input Cooling (208/230V)	A	0.05 / 0.05	0.06 / 0.06
	Current Input Heating (208/230V)		0.05 / 0.05	0.06 / 0.06
	MCA		0.07	0.08
	MOCP		15	15
	Power Input Cooling (208/230V)	kW	0.01 / 0.01	0.01 / 0.01
	Power Input Heating (208/230V)		0.01 / 0.01	0.01 / 0.01
	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60
Indoor Unit	External Finish Color		Galvanized Steel	Galvanized Steel
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	41 x 38 4/16 x 9 15/16 [1,040 x 970 x 252]	41 x 38 4/16 x 9 15/16 [1,040 x 970 x 252]
	Unit Weight	lbs [kg]	95 [43]	120 [54]
Refrigerant	Type		R32	R32
Sound Pressure Level (Measured in anechoic room)	Defrost	dB (A)	53	53
Piping	Drain Pipe Size O.D.	inch	3/4 NPT	3/4 NPT

[1]The equipment is for use with R32 refrigerant only.
[2]When possible, avoid installing the BC controller within 15 Ft. of sound sensitive areas.
[3]Rated operation sound data is based on cooling mode. Sound data may vary depending on outdoor unit capacity and operation mode.
[4]Sound pressure/power levels obtained via testing in an anechoic chamber. Actual sound pressure levels may be greater due to ambient noise and/or deflection.
[5]Sound pressure values were obtained at a test location approximately 5 Ft. from the unit.
[6]The unit is intended for installation in an indoor environment only.
[7]For details regarding installation specifics, please refer to the product's Installation Manual.

CMB-M-MB1-SV Specifications (Ventilated)

Unit Type			CMB-M104NU-MB1-SV	CMB-M108NU-MB1-SV
Indoor Unit Capacity Connectable to 1 Branch			M54	M54
Number Of Branches			4	8
Connectable Outdoor / Heat Source Unit Capacity			M72 to M384	M72 to M384
Electrical	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60
	Power Input Cooling (208/230V)	kW	0.02 / 0.02	0.02 / 0.02
	Power Input Heating (208/230V)		0.02 / 0.02	0.02 / 0.02
	Current Input Cooling (208/230V)	A	0.08 / 0.08	0.09 / 0.09
	Current Input Heating (208/230V)		0.08 / 0.08	0.08 / 0.08
	MCA		0.07	0.08
	MOCP		15	15
Indoor Unit	External Finish Color		Galvanized Steel	Galvanized Steel
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	41 x 38-1/4 x 9-15/16 [1,040 x 970 x 252]	41 x 38-1/4 x 9-15/16 [1,040 x 970 x 252]
	Unit Weight	lbs [kg]	95 [43]	119 [54]
Refrigerant	Type		R-32	R-32
Sound Pressure Level (Measured in anechoic room)	Defrost	dB (A)	53	53
Piping	Drain Pipe Size O.D.	inch	3/4 NPT	3/4 NPT

[1]The equipment is for use with R32 refrigerant only.
[2]When possible, avoid installing the BC controller within 15 Ft. of sound sensitive areas.
[3]Rated operation sound data is based on cooling mode. Sound data may vary depending on outdoor unit capacity and operation mode.
[4]Sound pressure/power levels obtained via testing in an anechoic chamber. Actual sound pressure levels may be greater due to ambient noise and/or deflection.
[5]Sound pressure values were obtained at a test location approximately 5 Ft. from the unit.
[6]The unit is intended for installation in an indoor environment only.
[7]For details regarding installation specifics, please refer to the product's Installation Manual.

CMR-M100KT-NA Specifications

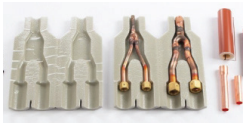
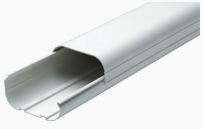
Unit Type			CMR-M100KT-NA
Indoor Unit Capacity Connectable to 1 Branch			M96 (PUHY), M60 (MXZ-SM)
Number Of Branches			1
Connectable Outdoor / Heat Source Unit Capacity			M72 to M384
Electrical	Current Input Cooling (208/230V)	A	0.083 / 0.086
	Current Input Heating (208/230V)		0.083 / 0.086
	MCA		0.11
	MOCP		15
	Power Input Cooling (208/230V)	kW	0.00102 / 0.00113
	Power Input Heating (208/230V)		0.00102 / 0.00113
	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60
Indoor Unit	External Finish Color		Galvanized Steel
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	12 13/16 x 8 11/16 x 7 13/16 [324 x 220 x 198]
	Unit Weight	lbs [kg]	12 [5]
Refrigerant	Type		R-32 / R-454B

CMR-M100KT1-NA Specifications (Ventilated)

Unit Type			CMR-M100KT1-NA
Indoor Unit Capacity Connectable to 1 Branch			M96 (PUHY), M60 (MXZ-SM)
Number Of Branches			1
Connectable Outdoor / Heat Source Unit Capacity			M72 to M384
Electrical	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60
	Power Input Cooling (208/230V)	kW	0.0181 / 0.0192
	Power Input Heating (208/230V)		0.0181 / 0.192
	Current Input Cooling (208/230V)	A	0.12 / 0.12
	Current Input Heating (208/230V)		0.12 / 0.12
	MCA		0.15
	MOCP		15
Indoor Unit	External Finish Color		Galvanized Steel
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	21-1/4 x 10-5/16 x 7-13/16 [540 x 262 x 198]
	Unit Weight	lbs [kg]	12 [5.50]
Refrigerant	Type		R-32 / R-454B

Outdoor Unit, BC Controller, and SVK Accessories

LEV Control Box		The R-32 LEV kit is an interface to connect CITY MULTI® outdoor units with air handlers produced by other manufacturers. These air handlers can be used with or without CITY MULTI indoor units. These air handlers can be controlled with CITY MULTI controllers or third-party DDCs
LEV Valve Assemblies		The LEV kit is used to control room temperature or with a Dedicated Outdoor Air System (DOAS) for discharge temperature control.
X-Gen Snow Hoods/Guards		Hail/snow hoods are made to protect an outdoor unit fan guard from hail damage and snow buildup in severe climates. Using existing wire guard fasteners, the hail/snow hoods are easily installed to the sides and rear of the unit in just minutes.
X-Gen Low Ambient Hoods/Guards		The specially designed wind deflectors block unwanted wind that could impede operation and allow full airflow when required at higher ambient temperatures or in heating mode. The wind deflectors also provide a more efficient defrost cycle when the unit is operating in heating mode. The complete low ambient kit requires a hood with a control damper assembly and wind deflectors. The wind deflector kit easily installs in place of the existing wire guard, and the hood connects to the outdoor unit with plug-in electrical connections.
Stands		Mitsubishi Electric features multiple configurations of stands and supports for CITY MULTI outdoor units. The sturdy stands and supports are designed to keep the outdoor unit off the ground and away from snow drifts in cold weather climates.
Refrigerant Filter System		Refrigerant Filter Cleaning system is used on the Y-Series and R2-Series. Provides a replaceable high water capacity filter core in a bypass arrangement from main suction flow. Check valves are provided to prevent reverse flow and back flushing of contaminants in the event ball valves are not positioned correctly.
Twinning Kits		Twinning kits allow to connect two VRF modules, allow them to operate as a single system. They are used in large spaces where one unit is insufficient, helping to simplify control and ensuring synchronized performance.

Joint Kits		Piping joint kits are used for connecting or extending copper, plastic, or other types of pipework.
Header Kits		Installation is simplified by kit components that streamline the connection of multiple terminal units, reduce field-welded or soldered joints, and ensure proper flow regulation to different zones.
Joint Adapter Kits		Joint pipe adapter kits are collections of fittings and tools used to connect pipes without welding or brazing, which simplifies installation and repair. They are commonly used for connecting refrigerant lines but can also be used for ductwork and other piping systems.
Ball valves		Used on BC (Branch Circuit) controllers, ball valves are integrated into BC controllers for HVAC systems, to allow for isolation and control of refrigerant flow to individual indoor units.
Line sets		A line set is a pair of copper pipes that connects the indoor and outdoor units of an HVAC system.
Line Hide		Snap-on covers and a full selection of couplings, elbows, T-joints, caps, and more for any application. Constructed of high-quality PVC with UV inhibitors and allows for hiding cables, piping, or wiring.

CITY MULTI® Indoor Units

Comfort lives where design meets performance

Mitsubishi Electric offers a complete portfolio of indoor units engineered for flexibility, quiet comfort, and architectural integration. Each model pairs seamlessly with CITY MULTI R-32 or SMART MULTI® R-454B outdoor systems for flexible system design, precise temperature control, and unified building management.

PKFY
Wall-mounted
Indoor Unit

PLFY
Four-way
Ceiling Cassette

PMFY
One-way
Ceiling Cassette

PEFY
Ceiling-concealed
Ducted

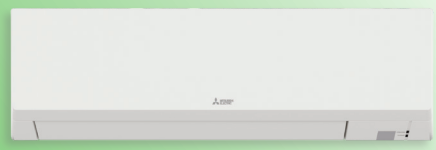
PVFY
Multi-position
Air Handler

PCFY
Ceiling-suspended

PKFY

Wall-mounted Indoor Unit

R-32 & R-454B



Wall-mounted indoor units are available in a wide range of capacities to meet any application requirements.

- Sleek design with automatic horizontal vanes.
- Washable filters and swing airflow mode.
- Perfect for retrofit or supplemental conditioning.

See DSB or Engineering Data Book for airflow & temperature distribution and sound data details.

Accessories

GOBI-II

Condensate pump with integral white plastic housing for surface mounting directly under the indoor unit, up to 65 head.

COMBI

Condensate pump mounted behind the indoor unit in the wall cavity, up to 65 head.

SS610E

Drain pan level sensor/overflow switch installs directly on the primary pan. Code requirement when condensate pumps are used.

No ventilation provision

Gravity drain with accessory condensate pumps available

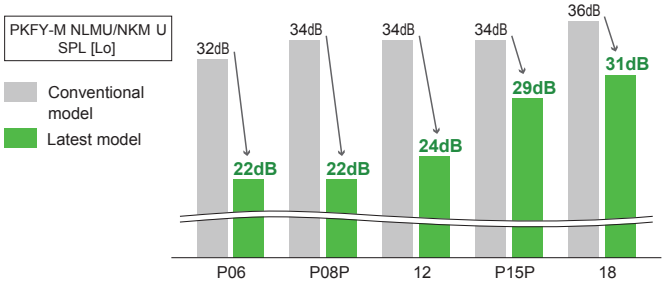
Washable mesh filter

Features and details

Features	
Swing mode	An indoor unit with this capability can move air throughout the room like an oscillating fan.
Quiet operation	Operates at ultra-quiet levels as low as 22 db(A).
Dual setpoint functionality	Dual setpoint functionality allows users to select independent heating and cooling set points for enhanced comfort control and convenience.
Multiple fan speed settings	Multiple fan speed settings are available, allowing users to customize their comfort through several different airflow options.
Capacities	
4k, 6k, 8k, 12k, 15k, 18k, 24k, 30k BTU/H	

Reduced noise level

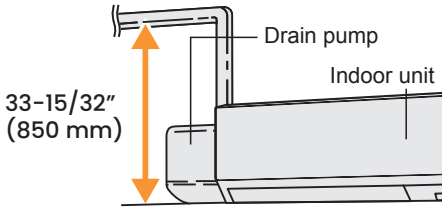
The noise level has been reduced compared to the previous model (PKFY-P NBMU/NHMU) by improving the unit structure, including the line flow fan.



*Measurement condition (Fan speed: Low)
*Measured in an anechoic room

Optional drain pump

The optional drain pump allows the drain connection to be raised as high as 33-15/32" (850 mm), allowing more flexibility in piping layout design.



Improved airflow control

The NLMU model provides 4 fan speeds and an auto mode. Additionally, the vane angle can be set to five steps. This enables air conditioning as desired.

PKFY-M-NLMU Specifications

Unit Type			PKFY-M04NLMU-A	PKFY-M06NLMU-A	PKFY-M08NLMU-A	PKFY-M12NLMU-A	PKFY-M15NLMU-A	PKFY-M18NLMU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	BTU/H	4,000	6,000	8,000	12,000	15,000	18,000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)		4,500	6,700	9,000	13,500	17,000	20,000
Electrical	Current Cooling	A	0.2	0.2	0.25	0.35	0.35	0.45
	Current Heating		0.15	0.15	0.2	0.3	0.3	0.4
	MCA		0.25	0.25	0.31	0.44	0.44	0.56
	MOCP		15	15	15	15	15	15
	Power Consumption Cooling	kW	0.02	0.02	0.03	0.04	0.04	0.05
	Power Consumption Heating		0.01	0.01	0.02	0.03	0.03	0.04
	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60
Indoor Unit	Heat Exchanger		Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	30-7/16 x 9-5/16 x 11-3/4 [773 x 237 x 299]	30-7/16 x 9-5/16 x 11-3/4 [773 x 237 x 299]	30-7/16 x 9-5/16 x 11-3/4 [773 x 237 x 299]	30-7/16 x 9-5/16 x 11-3/4 [773 x 237 x 299]	35-3/8 x 9-5/16 x 11-3/4 [898 x 237 x 299]	35-3/8 x 9-5/16 x 11-3/4 [898 x 237 x 299]
	Unit Weight	lbs [kg]	24 [10.70]	24 [11.10]	24 [11.10]	24 [11.10]	28 [12.90]	28 [12.90]
Refrigerant	Type		R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B
Fan	Airflow Rate	CFM	117, 124, 134, 148	141, 155, 173, 191	141, 162, 191, 237	152, 191, 244, 297	222, 261, 304, 353	240, 293, 360, 438
	Type x Quantity		Line flow fan x 1	Line flow fan x 1	Line flow fan x 1	Line flow fan x 1	Line flow fan x 1	Line flow fan x 1
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	22, 24, 26, 28	22, 26, 29, 31	22, 27, 31, 35	24, 31, 37, 41	29, 34, 37, 40	31, 36, 41, 46
Piping	Drain Pipe Size O.D.	inch [mm]	5/8 [16]	5/8 [16]	5/8 [16]	5/8 [16]	5/8 [16]	5/8 [16]
	Gas Pipe Size O.D.		1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	1/2 [12.72]
	Liquid Pipe Size O.D.		1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]

• *1. Cooling / Heating capacity indicated at operation under the following conditions:
• Cooling: Indoor 81°F (27°C) DB / 68°F (19°C) WB; Outdoor 95°F (35°C) DB

• Heating: Indoor 68°F (20°C) DB; Outdoor 45°F (7°C) DB / 43°F (6°C) WB

PKFY-M-NKMU Specifications

Unit Type			PKFY-M24NKMU-A	PKFY-M30NKMU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	BTU/H	24,000	30,000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)		27,000	34,000
Electrical	Current Cooling	A	0.58	0.58
	Current Heating		0.58	0.58
	MCA		0.72	0.72
	MOCP		15	15
	Power Consumption Cooling	kW	0.08	0.08
	Power Consumption Heating		0.08	0.08
	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60
Indoor Unit	Heat Exchanger		Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	46 1/16 x 11 5/8 x 14 3/8 [1,170 x 295 x 365]	46 1/16 x 11 5/8 x 14 3/8 [1,170 x 295 x 365]
	Unit Weight	lbs [kg]	46 [21]	46 [21]
Refrigerant	Type		R-32 / R-454B	R-32 / R-454B
Fan	Airflow Rate	CFM	570, 920	710, 920
	Type x Quantity		Line flow fan x 1	Line flow fan x 1
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	39, 49	43, 49
Piping	Drain Pipe Size O.D.	inch [mm]	5/8 [16]	5/8 [16]
	Gas Pipe Size O.D.		5/8 [15.88]	5/8 [15.88]
	Liquid Pipe Size O.D.		3/8 [9.52]	3/8 [9.52]

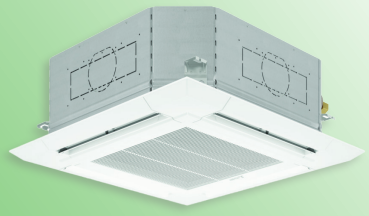
• *1. Cooling / Heating capacity indicated at operation under the following conditions:
• Cooling: Indoor 81°F (27°C) DB / 68°F (19°C) WB; Outdoor 95°F (35°C) DB

• Heating: Indoor 68°F (20°C) DB; Outdoor 45°F (7°C) DB / 43°F (6°C) WB

PLFY

Four-Way Ceiling Cassette

R-32 & R-454B



22″ x 22″ and 33″ x 33″

The Four-way Ceiling Cassette provides exceptional performance, air coverage, and an optional 3D i-see Sensor®. These 22″ x 22″ and 33″ x 33″ recessed ceiling cassettes mount flush with the ceiling and fit into a suspended ceiling grid. Indirect or direct airflow settings target supply air away from or toward room occupants. Each of the four vanes is fully customizable to provide 72 unique airflow patterns to suit the room's comfort requirements perfectly. A 360° airflow pattern is available for uniform temperature distribution. See DSB or Engineering Data Book for airflow & temperature distribution and sound data details.

Accessories

22″ x 22″

SLP-18FAEU

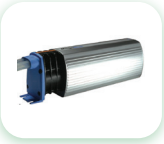
3D i-see Sensor® grille.

C21-014

49.9 ounce MultiTank allows up to 6 condensate lines to one BlueDiamond® Condensate Pump.

X87-721

BlueDiamond® Condensate Pump for up to 48 MBH and up to 23′ head.



X87-835

BlueDiamond Condensate Pump for up to 170 MBH and up to 65′ head.

Ventilation provision fan-force up to 53 cfm (24″ x 24″) or 200 cfm with casement (33″ x 33″)

Condensate lift 19.5″ lift (24″ x 24″) 33.5″ lift (33″ x 33″)

Washable mesh filter accessory MERV10 available with 33″ x 33″ casement

33″ x 33″

PAC-SJ41TM-E

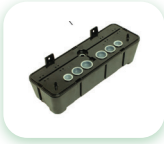
Multi-function casement allows additional ventilation knockout or MERV 10 filter.

PAC-SH59KF-E

MERV 10 filter element for use with muiti-function casement.

PAC-SJ37SP-E

Air outlet shutter plates for converting to 3 or 2-way airflow.



C21-014

49.9 ounce Mult Tank allows up to 6 condensate lines to one BlueDiamond® Condensate Pump.

X87-721

BlueDiamond Condensate Pump for up to 48 MBH and up to 23′ head.

X87-835

BlueDiamond Condensate Pump for up to 170 MBH and up to 65′ head.

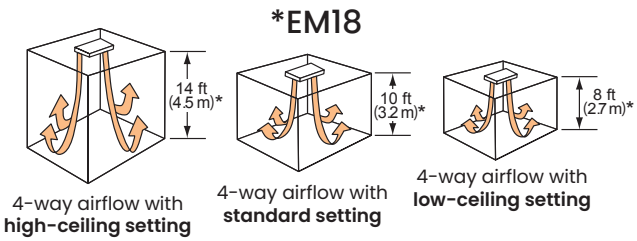
Features and details

Features	
Outside air intake	A duct opening is provided, which allows outside air to be brought inside so it can be heated or cooled.
Horizontal airflow mode	Horizontal airflow control eliminates uncomfortable drafts.
Dual-level airflow	Engineered to accommodate varied ceiling heights, this is a key feature for adjusting airflow effectively for the height of the ceiling.
Built-in condensate lift mechanism	The built-in condensate lift mechanism removes water that is collected during operation.
Temporary suspension hook-on grille	The unit comes equipped with a temporary suspension hook-on grill, improving efficiency during installation. The unit can be installed without removing screws on the corner panel and control box.
3D Turbo fan	The patented 3D Turbo Fan, with a two-stage blade structure ensures low noise operation while maintaining high airflow.
Capacities	
22" x 22"	5k, 8k, 12k, 15k, 18k BTU/H
33" x 33"	6k, 8k, 12k, 15k, 18k, 24k, 30k, 36k, 48k BTU/H

Key Differences

Feature	PLFY (22" x 22") - PLFY-M NFMU-A Series	PLFY (33" x 33") - PLFY-EM NEMU-A Series
Ceiling opening	22" x 22" (600 x 600mm) – fits standard grid ceilings.	33" x 33" (840 x 840 mm).
Capacity range	5,000–18,000 BTU/H (1.4 - 5.3 kW).	6,000–48,000 BTU/H (1.8–14.1 kW).
Physical size	Compact, low-profile design (8-3/16" height).	Larger footprint, higher profile (10-3/16"–11-3/4" height).
Weight	Main unit 29–31 lbs (13–14 kg).	Main unit 46–57 lbs (21–26 kg).
Airflow	Lower airflow rates (230–460 cfm depending on model).	Higher airflow rates (300–1,236 cfm depending on model).
Sound pressure	Quieter operation (as low as 26 dB(A) at low fan speed).	Slightly higher (28–45 dB(A) depending on model and fan speed).
Best for	Small offices, conference rooms, retrofit projects, or where ceiling space is limited.	Larger open spaces, classrooms, retail, or areas needing higher capacity and coverage.

Equipped with high- and low-ceiling modes



4-way airflow with **high-ceiling setting**

4-way airflow with **standard setting**

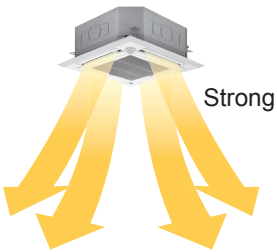
4-way airflow with **low-ceiling setting**

Airflow Range

Model / Airflow Pattern	EM06-EM15			EM18-EM48		
	High-ceiling setting	Standard setting	Low-ceiling setting	High-ceiling setting	Standard setting	Low-ceiling setting
4-way	11 ft (3.5 m)	8 ft (2.7 m)	8 ft (2.5 m)	14 ft (4.5 m)	10 ft (3.2 m)	8 ft (2.7 m)
3-way	11 ft (3.5 m)	9 ft (3.0 m)	8 ft (2.7 m)	14 ft (4.5 m)	1` ft (3.6 m)	9 ft (3.0 m)
2-way	11 ft (3.5 m)	10 ft (3.3 m)	9 ft (3.0 m)	14 ft (4.5 m)	13 ft (4.0 m)	10 ft (3.3 m)

Automatic air-speed adjustment

An automatic air-speed mode automatically adjusts airflow speed to maintain comfortable room conditions at all times. This setting automatically adjusts the air speed to conditions that match the room environment.



At the start of the heating/cooling operation, airflow is set to high speed to quickly heat/cool the room.

When the room temperature reaches the desire d setting, the airflow speed is automatically decreased for stable and comfortable heating/cooling operation.

3D i-see Sensor®

Room occupancy energy-saving mode

The 3D i-see Sensor monitors room occupancy and adjusts output based on real-time usage. When occupancy drops to about 30%, the system reduces power by approximately 1.8°F (1°C) during heating and cooling, delivering energy savings without sacrificing comfort.

No occupancy energy-saving mode

If the sensor detects an empty room, the system switches to a preset power-saving mode. After 60 minutes of no occupancy, it lowers output by about 3.6°F (2°C) for both heating and cooling, preventing unnecessary energy use.

No occupancy Auto-OFF mode*

For maximum efficiency, the system can shut down automatically after a preset interval when the room remains empty. The timer can be set in 10-minute increments, from 60 to 180 minutes.

*No occupancy Auto-OFF mode is not available when multiple indoor units are operated by a single MA remote controller.

PLFY-M-NFMU Specifications

Unit Type			PLFY-M05NFMU-A	PLFY-M08NFMU-A	PLFY-M12NFMU-A	PLFY-M15NFMU-A	PLFY-M18NFMU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	BTU/H	5,000	8,000	12,000	15,000	18,000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)		5,600	9,000	13,500	17,000	20,000
Electrical	Current Cooling	A	0.19	0.22	0.23	0.28	0.4
	Current Heating		0.14	0.17	0.18	0.23	0.35
	MCA		0.24	0.28	0.29	0.35	0.5
	MOCP		15	15	15	15	15
	Power Consumption Cooling	kW	0.02	0.02	0.02	0.03	0.04
	Power Consumption Heating		0.02	0.02	0.02	0.03	0.04
	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60
Indoor Unit	External Finish Color		Galvanized Steel MUNSELL (1.0Y 9.2/0.2)	Galvanized Steel MUNSELL (1.0Y 9.2/0.2)	Galvanized Steel MUNSELL (1.0Y 9.2/0.2)	Galvanized Steel MUNSELL (1.0Y 9.2/0.2)	Galvanized Steel MUNSELL (1.0Y 9.2/0.2)
	Heat Exchanger		Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	22-1/2 x 22-1/2 x 8-1/4 [570 x 570 x 208]	22-1/2 x 22-1/2 x 8-1/4 [570 x 570 x 208]	22-1/2 x 22-1/2 x 8-1/4 [570 x 570 x 208]	22-1/2 x 22-1/2 x 8-1/4 [570 x 570 x 208]	22-1/2 x 22-1/2 x 8-1/4 [570 x 570 x 208]
	Unit Weight	lbs [kg]	29 [13.10]	29 [13.10]	31 [14.20]	31 [14.20]	31 [14.20]
Refrigerant	Type		R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B
Fan	Airflow Rate	CFM	230, 265, 280	230, 280, 315	245, 280, 335	265, 315, 390	315, 390, 460
	Type x Quantity		Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	26, 28, 30	26, 30, 33	26, 30, 34	28, 33, 39	33, 39, 43
Piping	Drain Pipe Size O.D.	inch [mm]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]
	Gas Pipe Size O.D.		1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	1/2 [12.72]
	Liquid Pipe Size O.D.		1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]

- *1. Cooling / Heating capacity indicated at operation under the following conditions:
- Cooling: Indoor 81°F (27°C) DB / 68°F (19°C) WB; Outdoor 95°F (35°C) DB

- Heating: Indoor 68°F (20°C) DB; Outdoor 45°F (7°C) DB / 43°F (6°C) WB

PLFY-EM-NEMU Specifications

Unit Type			PLFY-EM06NE-MU-A	PLFY-EM08NE-MU-A	PLFY-EM12NE-MU-A	PLFY-EM15NE-MU-A	PLFY-EM18NE-MU-A	PLFY-EM24NE-MU-A	PLFY-EM30NE-MU-A	PLFY-EM36NE-MU-A	PLFY-EM48NE-MU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	BTU/H	6,700	8,000	12,000	15,000	18,000	24,000	30,000	36,000	48,000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)		6,700	9,000	13,500	17,000	20,000	27,000	34,000	40,000	54,000
Electrical	Current Cooling	A	0.31	0.31	0.31	0.31	0.43	0.43	0.45	0.73	1.01
	Current Heating		0.26	0.26	0.26	0.26	0.38	0.38	0.4	0.68	0.96
	MCA		0.24	0.39	0.39	0.39	0.54	0.54	0.56	0.91	1.26
	MOCP		15	15	15	15	15	15	15	15	15
	Power Consumption Cooling	kW	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.07	0.11
	Power Consumption Heating		0.02	0.02	0.02	0.02	0.04	0.04	0.04	0.07	0.11
	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60
Indoor Unit	External Finish Color		Galvanized Steel MUNSELL (1.0Y 9.2/0.2)	Galvanized Steel MUNSELL (1.0Y 9.2/0.2)	Galvanized Steel MUNSELL (1.0Y 9.2/0.2)	Galvanized Steel MUNSELL (1.0Y 9.2/0.2)	Galvanized Steel MUNSELL (1.0Y 9.2/0.2)	Galvanized Steel MUNSELL (1.0Y 9.2/0.2)	Galvanized Steel MUNSELL (1.0Y 9.2/0.2)	Galvanized Steel MUNSELL (1.0Y 9.2/0.2)	Galvanized Steel MUNSELL (1.0Y 9.2/0.2)
	Heat Exchanger		Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	33-3/32 x 33-3/32 x 10-3/16 [840 x 840 x 258]	33-3/32 x 33-3/32 x 10-3/16 [840 x 840 x 258]	33-3/32 x 33-3/32 x 10-3/16 [840 x 840 x 258]	33-3/32 x 33-3/32 x 10-3/16 [840 x 840 x 258]	33-3/32 x 33-3/32 x 11-3/4 [840 x 840 x 298]	33-3/32 x 33-3/32 x 11-3/4 [840 x 840 x 298]	33-3/32 x 33-3/32 x 11-3/4 [840 x 840 x 298]	33-3/32 x 33-3/32 x 11-3/4 [840 x 840 x 298]	33-3/32 x 33-3/32 x 11-3/4 [840 x 840 x 298]
	Unit Weight	lbs [kg]	46 [21]	46 [21]	46 [21]	46 [21]	57 [26]	57 [26]	57 [26]	57 [26]	57 [26]
Refrigerant	Type		R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B
Fan	Airflow Rate	CFM	300, 424, 459, 494	494, 530, 565, 600	494, 530, 565, 600	530, 547, 565, 600	636, 671, 742, 812	636, 671, 742, 812	636, 706, 777, 812	777, 883, 989, 1,095	777, 953, 1,095, 1,236
	Type x Quantity		Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1	Turbo fan x 1
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	19, 23, 25, 27	27, 29, 30, 31	27, 29, 30, 31	28, 29, 30, 31	28, 30, 32, 34	28, 30, 32, 34	28, 31, 33, 35	35, 37, 39, 41	36, 39, 42, 45
Piping	Drain Pipe Size O.D.	inch [mm]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]
	Gas Pipe Size O.D.		1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
	Liquid Pipe Size O.D.		1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]

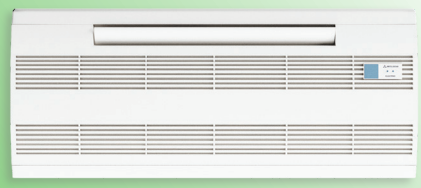
- *1. Cooling / Heating capacity indicated at operation under the following conditions:
- Cooling: Indoor 81°F (27°C) DB / 68°F (19°C) WB; Outdoor 95°F (35°C) DB

- Heating: Indoor 68°F (20°C) DB; Outdoor 45°F (7°C) DB / 43°F (6°C) WB

PMFY

One-Way Ceiling Cassette

R-32 & R-454B



The One-Way Ceiling Cassette offers a slim flush-mount design. This indoor unit comes with a built-in condensate lift mechanism (19.5" lift). Full-service access is gained through the front panel.

- Slim, 8-inch profile for shallow ceilings.
- Louver control to direct airflow away from occupants.
- Quiet operation (down to 25dB(A)).

See DSB or Engineering Data Book for airflow & temperature distribution and sound data details.

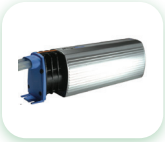
Accessories

C21-014

49.9 ounce Multi Tank allows up to 6 condensate lines to one BlueDiamond® Condensate Pump.

X87-721

BlueDiamond Condensate Pump for up to 48 MBH and up to 23' head.



X87-835

BlueDiamond Condensate Pump for up to 170 MBH and up to 65' head.

No ventilation provision

Condensate lift 19.5" Lift capability

Washable mesh filter

Features and details

Features	
Dual-level airflow	Engineered to accommodate varied ceiling heights, this is a key feature for adjusting airflow effectively for the height of the ceiling.
Built-in condensate lift mechanism	The built-in condensate lift mechanism removes water that is collected during operation.
Econo Cool	Econo Cool temporarily and automatically adjusts the airflow based on heat exchanger temperature. The set temperature is increased slightly, which saves energy, while maintaining comfort.
Dual set point functionality	Dual set point functionality allows users to select independent heating and cooling set points for enhanced comfort control and convenience.
Four-speed fan settings	The four-speed fan setting allows for customizable airflow levels and delivers comfort tailored to match the space or application.
Inspection window	New inspection window added for drain pan to check for clogging.
Capacities	
6k, 8K, 12k, 15k, 18k BTU/H	

PMFY-M-NCMU Specifications

Unit Type			PMFY-M06NCMU-A	PMFY-M08NCMU-A	PMFY-M12NCMU-A	PMFY-M15NCMU-A	PMFY-M18NCMU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	BTU/H	6,000	8,000	12,000	15,000	18,000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)		6,700	9,000	13,500	17,000	20,000
Electrical	Current Cooling	A	0.29	0.32	0.35	0.44	0.58
	Current Heating		0.24	0.27	0.3	0.39	0.53
	MOCP		15	15	15	15	15
	Power Consumption Cooling	kW	0.02	0.03	0.03	0.04	0.05
	Power Consumption Heating		0.02	0.03	0.03	0.04	0.05
	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60
Indoor Unit	External Finish Color		Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel
	Heat Exchanger		Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	44-3/16 x 14-3/16 x 7-5/16 [1,121 x 360 x 185]	44-3/16 x 14-3/16 x 7-5/16 [1,121 x 360 x 185]	44-3/16 x 14-3/16 x 7-5/16 [1,121 x 360 x 185]	44-3/16 x 14-3/16 x 7-5/16 [1,121 x 360 x 185]	44-3/16 x 14-3/16 x 7-5/16 [1,121 x 360 x 185]
Fan	Airflow Rate	CFM	195, 205, 215, 225	195, 225, 255, 285	235, 260, 285, 310	235, 275, 315, 360	325, 300, 360, 420
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	25, 27, 28, 29	25, 29, 32, 35	30, 33, 35, 37	30, 35, 38, 41	30, 36, 41, 45
	Heating		25, 27, 28, 29	25, 29, 32, 35	30, 33, 35, 37	30, 35, 38, 41	30, 36, 41, 45
Piping	Drain Pipe Size O.D.	inch [mm]	1 [26]	1 [26]	1 [26]	1 [26]	1 [26]
	Gas Pipe Size O.D.		1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	1/2 [12.72]
	Liquid Pipe Size O.D.		1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]

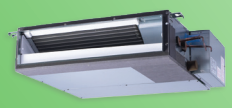
• *1. Cooling / Heating capacity indicated at operation under the following conditions:
• Cooling: Indoor 81°F (27°C) DB / 68°F (19°C) WB; Outdoor 95°F (35°C) DB

• Heating: Indoor 68°F (20°C) DB; Outdoor 45°F (7°C) DB / 43°F (6°C) WB

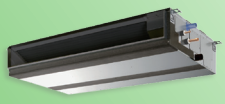
PEFY

Ceiling-concealed Ducted

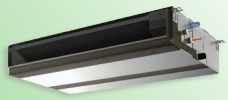
R-32 & R-454B



Low-static
PEFY-P-NMSU-A



Mid-static
PEFY-M NMAU-A



High-static
PEFY-M NMHU

The PEFY models are high-performance, ceiling-concealed, ducted indoor units. They are an excellent choice for office buildings, schools, hotels, assisted-living facilities, and other applications where ceiling space is available. See DSB or Engineering Data Book for airflow & temperature distribution and sound data details.

- Ventilation provision mixed air per ductwork (maintain 59-82° DBEAT)
- Condensate lift 27.5" lift capability (std up to size 54)
- Washable screen filter with Accessory Filter Box with MERV 13 Filter

Features and details

Features	
Four-stage external static pressures	These ducted units incorporate four-stage external static pressures and three fan speed selections, providing application diversity.
Built-in condensate lift mechanism	The built-in condensate lift mechanism removes water that is collected during operation.
Optional filters	Optional filter boxes are available for high efficiency filtration, offering MERV-rated filters.
Capacities	
Low-static model: 6k, 8k, 12k, 15k, 18k, 24k BTU/H. Up to 0.2" external static pressure.	
Mid-static model: 6k, 8k, 12k, 15k, 18k, 24k, 27k, 30k, 36k, 48k and 54k BTU/H. Up to 0.6" external static pressure.	
High-static model: 15k, 18k, 24k, 27k, 30k, 36k, 48k, 54k, 72k and 96k	

Accessories

FBM-

Filter box with one set MERV 13 filter.

X87-835

BlueDiamond® Condensate Pump for up to 170 MBH and up to 65' head.

C21-014

49.4 ounce Multi Tank allows up to 6 condensate lines to one BlueDiamond® Condensate Pump.

CN24RELAY-KIT-CM3

Relay allows interlock and control of external heat.

X87-721

BlueDiamond Condensate Pump for up to 48 MBH and up to 23' head.

PEFY-M-NMHU Specifications

Unit Type			PEFY-M15N-MHU-A	PEFY-M18N-MHU-A	PEFY-M24N-MHU-A	PEFY-M27N-MHU-A	PEFY-M30N-MHU-A	PEFY-M36N-MHU-A	PEFY-M48N-MHU-A	PEFY-M54N-MHU-A	PEFY-M72N-MHU-A	PEFY-M96N-MHU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	Btu/h	15,000	18,000	24,000	27,000	30,000	36,000	48,000	54,000	72,000	96,000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)		17,000	20,000	27,000	30,000	34,000	40,000	54,000	60,000	80,000	108,000
Electrical	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60
	Power Consumption Cooling	kW	0.12	0.12	0.17	0.19	0.22	0.33	0.33	0.37	0.71	1
	Power Consumption Heating		0.12	0.12	0.17	0.19	0.22	0.33	0.33	0.37	0.70	0.99
	Current Cooling	A	0.90	0.90	1.21	1.30	1.50	2.30	2.30	2.50	4.06	5.41
	Current Heating		0.90	0.90	1.21	1.30	1.50	2.30	2.30	2.50	3.70	5.05
	MCA		3.50	3.50	3.50	3.38	3.38	4.75	4.75	4.75	7.11	9.02
	MOCP		15	15	15	15	15	15	15	15	15	15
Indoor Unit	External Finish Color		Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	29-5/16 x 35-7/16 x 15 [745 x 900 x 380]	29-5/16 x 35-7/16 x 15 [745 x 900 x 380]	29-5/16 x 35-7/16 x 15 [745 x 900 x 380]	40-9/16 x 35-7/16 x 15 [1,030 x 900 x 380]	40-9/16 x 35-7/16 x 15 [1,030 x 900 x 380]	47-1/16 x 35-7/16 x 15 [1,195 x 900 x 380]	47-1/16 x 35-7/16 x 15 [1,195 x 900 x 380]	47-1/16 x 35-7/16 x 15 [1,195 x 900 x 380]	49-1/4 x 44-1/8 x 18-1/2 [1,250 x 1,120 x 470]	49-1/4 x 44-1/8 x 18-1/2 [1,250 x 1,120 x 470]
	Unit Weight	lbs [kg]	82 [37]	82 [37]	82 [37]	104 [47]	104 [47]	121 [55]	121 [55]	126 [57]	214 [97]	218 [99]
	Heat Exchanger		Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)
Refrigerant	Type		R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B
Fan	Airflow Rate	CFM	353, 424, 494	353, 424, 494	477, 565, 671	547, 636, 777	636, 759, 883	936, 1,130, 1,342	936, 1,130, 1,342	989, 1,201, 1,413	1,766, 2,154, 2,543	2,048, 2,507, 2,966
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	31, 35, 38	31, 35, 38	32, 36, 40	29, 33, 38	31, 35, 40	34, 40, 44	34, 40, 44	35, 40, 45	40.50, 43, 47	40.50, 45, 48.50
	Heating		31, 35, 38	31, 35, 38	32, 36, 40	29, 33, 38	31, 35, 40	34, 40, 44	34, 40, 44	35, 40, 45	40.50, 43, 47	40.50, 45, 48.50
Piping	Liquid Pipe Size O.D.	inch [mm]	1/4 [6.35]	1/4 [6.35]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]
	Gas Pipe Size O.D.		1/2 [12.72]	1/2 [12.72]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	3/4 [19.05]	7/8 [22.23]
	Drain Pipe Size O.D.		1.25 [32]	1.25 [32]	1.25 [32]	1.25 [32]	1.25 [32]	1.25 [32]	1.25 [32]	1.25 [32]	1.25 [32]	1.25 [32]

• *1. Cooling / Heating capacity indicated at operation under the following conditions:
• Cooling: Indoor 81°F (27°C) DB / 68°F (19°C) WB; Outdoor 95°F (35°C) DB

• Heating: Indoor 68°F (20°C) DB; Outdoor 45°F (7°C) DB / 43°F (6°C) WB

PEFY-M-NMAU Specifications

Unit Type			PEFY-M06N-MAU-A	PEFY-M08N-MAU-A	PEFY-M12N-MAU-A	PEFY-M15N-MAU-A	PEFY-M18N-MAU-A	PEFY-M24N-MAU-A	PEFY-M27N-MAU-A	PEFY-M30N-MAU-A	PEFY-M36N-MAU-A	PEFY-M48N-MAU-A	PEFY-M54N-MAU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	BTU/H	6,000	8,000	12,000	15,000	18,000	24,000	27,000	30,000	36,000	48,000	54,000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)		6,700	9,000	13,500	17,000	20,000	27,000	30,000	34,000	40,000	54,000	60,000
Electrical	Current Cooling	A	0.42	0.42	0.56	0.64	1.24	1.24	1.24	2.01	2.01	2.06	2.29
	Current Heating		0.42	0.42	0.56	0.64	1.24	1.24	1.24	2.01	2.01	2.06	2.29
	MCA		1.75	1.75	1.88	2.5	2.5	2.5	2.5	3.13	3.13	3.38	3.38
	MOCP		15	15	15	15	15	15	15	15	15	15	15
	Power Consumption Cooling	kW	0.042	0.042	0.052	0.062	0.142	0.142	0.142	0.222	0.222	0.242	0.252
	Power Consumption Heating		0.04	0.04	0.05	0.06	0.14	0.14	0.14	0.22	0.22	0.24	0.25
	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60
Indoor Unit	External Finish Color		Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel
	Heat Exchanger		Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	27 9/16 x 28 14/16 x 9 14/16 [700 x 732 x 250]	27 9/16 x 28 14/16 x 9 14/16 [700 x 732 x 250]	27 9/16 x 28 14/16 x 9 14/16 [700 x 732 x 250]	35 7/16 x 28 14/16 x 9 14/16 [900 x 732 x 250]	43 5/16 x 28 14/16 x 9 14/16 [1,100 x 732 x 250]	43 5/16 x 28 14/16 x 9 14/16 [1,100 x 732 x 250]	43 5/16 x 28 14/16 x 9 14/16 [1,100 x 732 x 250]	55 2/16 x 28 14/16 x 9 14/16 [1,400 x 732 x 250]	55 2/16 x 28 14/16 x 9 14/16 [1,400 x 732 x 250]	55 2/16 x 28 14/16 x 9 14/16 [1,400 x 732 x 250]	63 x 28 14/16 x 9 14/16 [1,600 x 732 x 250]
	Unit Weight	lbs [kg]	47 [21.50]	47 [21.50]	47 [21.50]	57 [26]	66 [30]	66 [30]	66 [30]	84 [38]	84 [38]	86 [39]	93 [42]
Refrigerant	Type		R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B
Fan	Airflow Rate	CFM	212, 265, 300	212, 265, 300	265, 318, 371	353, 424, 494	618, 742, 883	618, 742, 883	618, 742, 883	883, 1,077, 1,271	883, 1,077, 1,271	918, 1,112, 1,306	989, 1,201, 1,413
	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 3	Sirocco fan x 3	Sirocco fan x 3	Sirocco fan x 3
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	24, 28, 30	24, 28, 30	26, 30, 34	27, 31, 34	31, 35, 39	31, 35, 39	31, 35, 39	35, 39, 43	35, 39, 43	35, 40, 44	34, 38, 42
	Heating		24, 28, 30	24, 28, 30	26, 30, 34	27, 31, 34	31, 35, 39	31, 35, 39	31, 35, 39	35, 39, 43	35, 39, 43	35, 40, 44	34, 38, 42
Piping	Drain Pipe Size O.D.	inch [mm]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]
	Gas Pipe Size O.D.		1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
	Liquid Pipe Size O.D.		1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]

- *1. Cooling / Heating capacity indicated at operation under the following conditions:
- Cooling: Indoor 81°F (27°C) DB / 68°F (19°C) WB; Outdoor 95°F (35°C) DB
- Heating: Indoor 68°F (20°C) DB; Outdoor 45°F (7°C) DB / 43°F (6°C) WB

PEFY-M-NMSU Specifications

Unit Type			PEFY-M06NMSU-A	PEFY-M08NMSU-A	PEFY-M12NMSU-A	PEFY-M15NMSU-A	PEFY-M18NMSU-A	PEFY-M24NMSU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	BTU/H	6,000	8,000	12,000	15,000	18,000	24,000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)		6,700	8,000	13,500	17,000	20,000	27,000
Electrical	Current Cooling	A	0.37	0.49	0.67	0.54	0.75	0.87
	Current Heating		0.32	0.44	0.62	0.49	0.7	0.82
	MCA		0.79	0.95	1.17	1.12	1.35	1.59
	MOCP		15	15	15	15	15	15
	Power Consumption Cooling	kW	0.032	0.044	0.064	0.052	0.082	0.102
	Power Consumption Heating		0.03	0.042	0.062	0.05	0.08	0.1
	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60
Indoor Unit	External Finish Color		Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel
	Heat Exchanger		Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	31 2/16 x 27 9/16 x 7 14/16 [790 x 700 x 200]	31 2/16 x 27 9/16 x 7 14/16 [790 x 700 x 200]	31 2/16 x 27 9/16 x 7 14/16 [790 x 700 x 200]	39 x 27 9/16 x 7 14/16 [990 x 700 x 200]	39 x 27 9/16 x 7 14/16 [990 x 700 x 200]	46 14/16 x 27 9/16 x 7 14/16 [1,190 x 700 x 200]
	Unit Weight	lbs [kg]	42 [19]	43 [19.50]	44 [20]	53 [24]	53 [24]	60 [27]
Refrigerant	Type		R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B
Fan	Airflow Rate	CFM	176, 212, 247	194, 247, 317	211, 282, 370	282, 335, 388	353, 441, 529	423, 565, 706
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	22, 24, 28	23, 26, 30	23, 28, 34	28, 30, 33	30, 34, 37	30, 35, 40
	Heating		22, 24, 28	23, 26, 30	23, 28, 34	28, 30, 33	30, 34, 37	30, 35, 40
Piping	Drain Pipe Size O.D.	inch [mm]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]	1-1/4 [32]
	Gas Pipe Size O.D.		1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	5/8 [15.88]
	Liquid Pipe Size O.D.		1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	3/8 [9.52]

- *1. Cooling / Heating capacity indicated at operation under the following conditions:
- Cooling: Indoor 81°F (27°C) DB / 68°F (19°C) WB; Outdoor 95°F (35°C) DB
- Heating: Indoor 68°F (20°C) DB; Outdoor 45°F (7°C) DB / 43°F (6°C) WB

PVFY

Multi-Position Air Handler

R-32 & R-454B

Our compact Multi-position Air Handler is designed for easy horizontal or vertical installation and simplified maintenance, making it ideal for any new construction or ducted retrofit projects. Our full line includes capacities starting at 8k to 60k BTU/H.

- Horizontal or vertical configuration without conversion kits.
- Highly efficient DC motor and a forward curved blower ensure quiet, consistent fan operation.

See DSB or Engineering Data Book for airflow & temperature distribution and sound data details.

Ventilation provision mixed air per ductwork (maintain 59-82° DBEAT)

Gravity drain accessory pumps available

Washable 1' Filter up to 0.8" ESP allows accessory filtration

Accessories

EH0X-MPA-SB

Electric heat kit mounts directly to the air outlet connection, available in multiple capacities.

COMBI

Condensate pump mounted horizontally or vertically, up to 65' head.

CN24RELAY-KIT-CM3

Relay allows interlock and control of external heat.

SS610E

Drain pan level sensor/overflow switch installs directly on primary pan. Code requirement when condensate pumps are used.

Features and details

Features	
Selectable static pressure	Selectable external static pressures of 0.3, 0.5, or 0.8 in.WG. with 3 fan speeds at each static setting provides application diversity.
Electrically Commutated Motor (ECM)	The Electrically Commutated Motor (ECM) has an optimized design for efficient fan performance. Quiet operation is achieved with the forward-curved blower, which is positioned to prevent sound from traveling through the ductwork.
Black ZAM material	The cabinet is designed with highly corrosion-resistant Black ZAM material, a hot-dip coated steel that has a layer of zinc, aluminum, and magnesium.
Blow-through design	The blow-through design has a positive pressure cabinet with 1-inch R4.2 rated fiberglass-free insulation and a cabinet air leakage less than 2% at 1.0 in.WG.[1]
Interlocking Function	This air handler also has an output terminal which allows it to interlock with other appliances such as humidifiers and dehumidifiers.
Quiet operation	Operates at ultra-quiet levels as low as 33 dB(A).
Electric Heat Kits	Optional Electric Heat Kits in capacities ranging from 3kW to 23kW for cold climate or back-up applications are available.
Capacities	
8k, 12k, 18k, 24k, 30k, 36k, 48k, 54k, 60k BTU/H	

PVFY-M Specifications

Unit Type			PVFY-M08NAMU-A	PVFY-M12NAMU-A	PVFY-M18NAMU-A	PVFY-M24NAMU-A	PVFY-M30NAMU-A	PVFY-M36NAMU-A	PVFY-M48NAMU-A	PVFY-M54NAMU-A	PVFY-M60NAMU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	BTU/H	8,000	12,000	18,000	24,000	30,000	36,000	48,000	54,000	59,500
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)		9,000	13,500	20,000	27,000	34,000	40,000	54,000	60,000	66,000
Electrical	Current Cooling	A	0.80/0.70	0.80/0.70	1.20/1.10	1.60/1.40	2.00/1.70	3.00/2.70	3.50/3.30	3.90/3.70	5.40/4.90
	Current Heating		0.80/0.70	0.80/0.70	1.20/1.10	1.60/1.40	2.00/1.70	3.00/2.70	3.50/3.30	3.90/3.70	6.00/5.50
	MCA		3	3	3	3	4.13	4.13	5.63	5.63	7.5
	MOCP		15	15	15	15	15	15	15	15	20
	Power Consumption Cooling	kW	0.08	0.08	0.13	0.18	0.21	0.34	0.42	0.48	0.67
	Power Consumption Heating		0.08	0.08	0.13	0.18	0.21	0.34	0.42	0.48	0.75
	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60
Indoor Unit	External Finish Color		Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel	Galvanized Steel
	Heat Exchanger		Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	17-1/64 x 21-9/16 x 50-3/16 [432 x 548 x 1,275]	17-1/64 x 21-9/16 x 50-3/16 [432 x 548 x 1,275]	17-1/64 x 21-9/16 x 50-3/16 [432 x 548 x 1,275]	17-1/64 x 21-9/16 x 50-3/16 [432 x 548 x 1,275]	21-1/32 x 21-9/16 x 54-1/4 [534 x 548 x 1,378]	21-1/32 x 21-9/16 x 54-1/4 [534 x 548 x 1,378]	25 x 21-9/16 x 59-1/2 [635 x 548 x 1,511]	25 x 21-9/16 x 59-1/2 [635 x 548 x 1,511]	25 x 21-9/16 x 59-1/2 [635 x 548 x 1,511]
	Unit Weight	lbs [kg]	112 [51]	112 [51]	112 [51]	112 [51]	141 [64]	141 [64]	172 [78]	172 [78]	174 [79]
Fan	Airflow Rate	CFM	400, 340, 280	400, 340, 280	585, 497, 410	735, 625, 515	875, 744, 613	1,095, 931, 767	1,400, 1,190, 980	1,485, 1,262, 1,040	1,750, 1,485, 1,225
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	33, 38, 44	33, 38, 44	37, 40, 45	38, 40, 44	39, 44, 47	45, 47, 49	49, 50, 50	52, 52, 51	56, 56, 56
	Heating		33, 38, 44	33, 38, 44	37, 40, 45	38, 40, 44	39, 44, 47	45, 47, 49	49, 50, 50	52, 52, 51	56, 56, 56
Piping	Drain Pipe Size O.D.	inch [mm]	3/4 [19.05]	3/4 [19.05]	3/4 [19.05]	3/4 [19.05]	3/4 [19.05]	3/4 [19.05]	3/4 [19.05]	3/4 [19.05]	3/4 [19.05]
	Gas Pipe Size O.D.		1/2 [12.72]	1/2 [12.72]	1/2 [12.72]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]	3/4 [19.05]
	Liquid Pipe Size O.D.		1/4 [6.35]	1/4 [6.35]	1/4 [6.35]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]

• *1. Cooling / Heating capacity indicated at operation under the following conditions:
• Cooling: Indoor 81°F (27°C) DB / 68°F (19°C) WB; Outdoor 95°F (35°C) DB

• Heating: Indoor 68°F (20°C) DB; Outdoor 45°F (7°C) DB / 43°F (6°C) WB

PCFY

Ceiling-suspended

R-32 & R-454B

The Ceiling-suspended Indoor Unit, with its streamlined design, is ideal for retail stores, commercial kitchens, classrooms, gymnasiums, and offices. Uniform air delivery to all corners of an area is provided by the unit's auto vane and wide range outlet.

- Wide-angle airflow covers large spaces evenly.
- Quiet and easy to maintain.

See DSB or Engineering Data Book for airflow & temperature distribution and sound data details.

Ventilation provision fan-force up to 75 cfm

Gravity drain accessory pumps available

Washable mesh filter MERV8 accessory filter availble

Accessories

PAC-SH91MKE

i-see Sensor® kit adds i-see functionality and comfort.

C21-014

49.9 ounce multi tank allows up to 6 condensate lines to one BlueDiamond® Condensate Pump.

SS610E

Drain pan level sensor/overflow switch installs directly on primary pan. Code requirement when condensate pumps are used.

X87-721

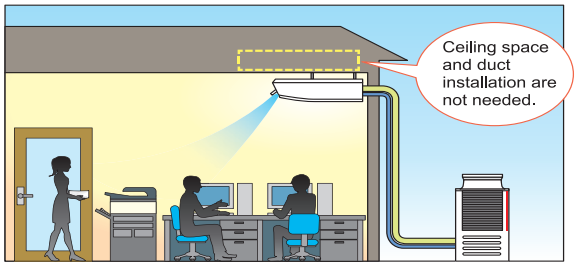
BlueDiamond Condensate Pump for up to 48 MBH and up to 23' head.

X87-835

BlueDiamond Condensate Pump for up to 170 MBH and up to 65' head.

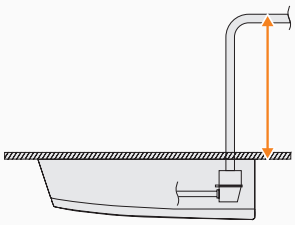
Easy installation

The ceiling suspended cassette can easily be installed without requiring ductwork, even if the ceiling does not have sufficient space.



Drain pump (PAC-SH83DM-E)

The optional drain pump allows the drain connection to be raised, expanding flexibility in choosing an installation location.



Features and details

Features	
Adjustable airflow angle	The vane angle can be adjusted so that airflow direction can be customized and tailored for any room layout.
Compact design	The compact design makes it possible for the unit to be installed in low ceilings with minimal clearance space.
Dual set point functionality	Dual set point functionality allows users to select independent heating and cooling setpoints for enhanced comfort control and convenience.
Four-speed fan settings	The four-speed fan setting allows for customizable airflow levels and delivers comfort tailored to match the space or application.
Capacities	
15k, 24k, 30k, 36k BTU/H	

PCFY-M-NKMU Specifications

Unit Type			PCFY-M15NKMU-A	PCFY-M24NKMU-A	PCFY-M30NKMU-A	PCFY-M36NKMU-A
Cooling Capacity (Nominal)[1]	Cooling Capacity (Nominal)	BTU/H	15,000	24,000	30,000	36,000
Heating Capacity (Nominal)[1]	Heating Capacity (Nominal)		17,000	27,000	34,000	40,000
Electrical	Current Cooling	A	0.35	0.41	0.83	0.97
	Current Heating		0.35	0.41	0.82	0.97
	MCA		0.44	0.51	1.04	1.21
	MOCP		15	15	15	15
	Power Consumption Cooling	kW	0.03	0.04	0.09	0.11
	Power Consumption Heating		0.03	0.04	0.09	0.11
	Voltage, Phase, Frequency	V AC / , ø, Hz	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60	208 / 230, 1, 60
Indoor Unit	Heat Exchanger		Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)	Cross fin (Aluminum fin and Copper Tube)
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	3-16/16 x 26-3/4 x 9-1/16 [960 x 680 x 230]	50-3/8 x 26-3/4 x 9-1/16 [1,280 x 680 x 230]	63 x 26-3/4 x 9-1/16 [1,600 x 680 x 230]	63 x 26-3/4 x 9-1/16 [1,600 x 680 x 230]
	Unit Weight	lbs [kg]	53 [24]	71 [32]	79 [36]	84 [38]
Refrigerant	Type		R-32 / R-454B	R-32 / R-454B	R-32 / R-454B	R-32 / R-454B
Fan	Airflow Rate	CFM	350, 390, 420, 460	490, 530, 570, 640	710, 780, 880, 990	740, 850, 950, 1,090
	Type x Quantity		Sirocco fan x 2	Sirocco fan x 3	Sirocco fan x 4	Sirocco fan x 4
Sound Pressure Level (Measured in anechoic room)	Cooling	dB (A)	29, 32, 34, 36	31, 33, 35, 37	34, 37, 40, 43	36, 38, 42, 44
Piping	Drain Pipe Size O.D.	inch [mm]	1-1/32 [26]	1-1/32 [26]	1-1/32 [26]	1-1/32 [26]
	Gas Pipe Size O.D.		1/2 [12.72]	5/8 [15.88]	5/8 [15.88]	5/8 [15.88]
	Liquid Pipe Size O.D.		1/4 [6.35]	3/8 [9.52]	3/8 [9.52]	3/8 [9.52]

- *1. Cooling / Heating capacity indicated at operation under the following conditions:
- Cooling: Indoor 81°F (27°C) DB / 68°F (19°C) WB; Outdoor 95°F (35°C) DB
- Heating: Indoor 68°F (20°C) DB; Outdoor 45°F (7°C) DB / 43°F (6°C) WB

Ventilation

Lossnay energy recovery ventilators (ERV) recover both sensible (temperature) and latent (humidity) heat from exhaust air, using a patented paper core to pre-condition incoming air without direct contact. This process reduces heating and cooling loads and supports decarbonization goals.

Choosing the right Lossnay ERV - RVX2 vs. RVXT2

Mitsubishi Electric offers two advanced Lossnay ERV solutions for commercial applications:

RVX2
CFM, 300, 380, 470, 600

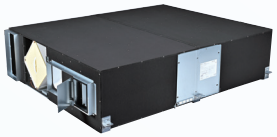
RVX2 : A proven, flexible workhorse for standalone or VRF-compatible projects, ideal where efficiency and quiet operation are priorities.

Model Numbers: LGH-F300RVX2-E, LGH-F380RVX2-E, LGH-F470RVX2-E, LGH-F600RVX2-E, LGH-F940RVX2-E, LGH-F1200RVX2-E

RVX2
CFM 940, 1200

RVXT2 : The next-generation solution, designed for high CFM requirements in restricted spaces. It features a slimmer chassis, expanded airflow (up to 6,000 CFM), three-phase power, and simplified ductwork for easier installation in tight commercial environments.

Model Numbers: LGH-F940RVXT2-E, LGH-F1200RVXT2-E, LGH-F1500RVXT2-E



RVXT2
CFM 940, 1200, 1500

Application Guidance

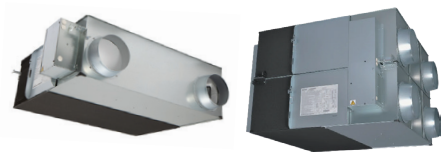
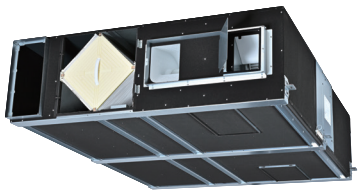
RVX2 : Best for standard commercial spaces needing reliable, efficient ventilation.

RVXT2 : Recommended for large, high-occupancy spaces or retrofit projects with limited ceiling height or demanding airflow needs.

How RVXT2 Stands Out

Compared to leading competitors, RVXT2 offers the thinnest chassis (just 19.7″), among the highest static pressure ratings at comparable airflow in its class, built-in bypass operation (no extra accessories required), lower power consumption, and more granular airflow control with 16-step fan speed settings. M-NET compatibility ensures seamless integration with Mitsubishi Electric systems.

Features and details

		
Features	**RVX2 - Proven Workhorse**	**NEW RVXT2 – Next-Gen Solution**
Airflow Range	300 – 1,200 CFM	**940 - 1,500 CFM (expanded capacity)**
External Static Pressure	Up to 1 in.WG	**Up to 0.72 in.WG**
Bypass Operation	**Built-in bypass** no extra parts	**Built-in bypass (70% airflow max)** no extra parts
Ductwork Design	Separate SA/RA ducts. The 940 and 1200 RVX2 models feature two supply ducts and two return ducts, but still only one OSA intake and one exhaust.	**For the RVXT2 Series, the standard configuration includes one supply duct, one return duct, one outside air (OSA) intake, and one exhaust. While the supply and return ducts remain separate, there is only a single connection for each.**
Chassis Height	Up to 31.8″	**Slim 19.7-in. chassis** – for an easier fit above ceiling
Installation Flexibility	Flexible orientation	**Left/Right reversible install** for tight spaces
Power Supply	1-phase	**3-phase only** for commercial loads
Interlock	Control multiple RVX2 with one command	**Network up to 4 units** with PZ-62DR/TZ-62DR controller
Optional CO_2-Demand Control	**Sensor-ready (25–100% fan speed)**	**Sensor-ready (25–100% fan speed)**
Independent SA/EA Airflow Control	---	**Set supply & exhaust separately (25 in steps) –** enables pressurization
Temperature Exchange Efficiency[1]	65.0% – 69.0% at highest fan speed (depending on model)	**76.5% – 81.5% at highest fan speed (depending on model)**
M-NET Compatibility	Yes	**Yes - designed for synchronized multiple-unit control**
Patented Lossnay core	Specially processed paper core enables sensible and latent heat recovery	Specially processed paper core enables sensible and latent heat recovery
Noise and Vibration Levels	35-46 dB(A)	35-46 dB(A)
Dual Barrier Coating on Fans	No	Yes

Temperature exchange efficiency calculated in accordance with ISO 16494-1 (2022)

Controls and system compatibility

Wired controller

PZ-62DR-EA Wired Controller

- 7-day programmable timer, high-visibility LCD, intuitive operation
- Optional CO_2 sensors for demand control and energy savings
- High-visibility LCD display with large characters.
- Large and easy-to-press buttons – Frequently used buttons are grouped for intuitive operation. They are also larger than other buttons to prevent unintended pressing.
- Products functions include:
  - Fan speed selection
  - Ventilation mode selection
  - Night-purge – "Bypass" ventilation can be used to release hot air that has accumulated inside the building during the hot summer season.
  - ON/OFF timer
  - Auto-Off timer
  - Weekly timer

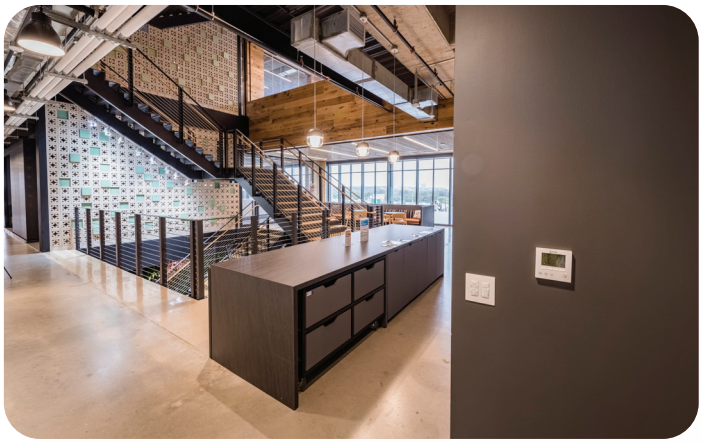
Advanced and centralized controllers

AE-C400A Centralized and Web Controller

- Can operate and monitor up to 50 indoor units
- Expansion Controllers can expand an AE-C400A to operate and monitor up to 50 additional indoor units through the touchscreen or web browser
- Network up to seven EW-C50A to one AE-C400A to allow the AE-C400A to manage up to 400 indoor units

kumo Station™ Controller

- A more advanced system for controlling multiple units from a single location.



LGH Specifications

Unit Type			LGH-F940RVXT2-E	LGH-F1200RVXT2-E	LGH-F1500RVXT2-E
Indoor Unit	Capacity	CFM [m^3/h]	942 [1,600]	1,177 [2,000]	1,471 [2,500]
	Heat Exchange System		Air-to-Air Energy Recovery Ventilator	Air-to-Air Energy Recovery Ventilator	Air-to-Air Energy Recovery Ventilator
	Energy Transfer Mechanism		Lossnay® Core	Lossnay Core	Lossnay Core
	Heat Exchange Material		Special Treated Paper Cross-Flow Core	Special Treated Paper Cross-Flow Core	Special Treated Paper Cross-Flow Core
	Entering Air Temperature Operation Range	deg F (deg C)	Lower than 104(40)	Lower than 104(40)	Lower than 104(40)
	External Finish		Galvanized Steel	Galvanized Steel	Galvanized Steel
	Unit Dimensions (W x D x H)	inch x inch x inch [mm x mm x mm]	78 47/64 x 63 x 19 11/16 [2,000 x 1,600 x 500]	78 47/64 x 63 x 19 11/16 [2,000 x 1,600 x 500]	78 47/64 x 63 x 19 11/16 [2,000 x 1,600 x 500]
	Package Dimensions (W x D x H)		85 1/16 x 67 6/16 x 23 5/8 [2,160 x 1,710 x 600]	85 1/16 x 67 6/16 x 23 5/8 [2,160 x 1,710 x 600]	85 1/16 x 67 6/16 x 23 5/8 [2,160 x 1,710 x 600]
	Unit Weight	lbs [kg]	392 [178]	392 [178]	392 [178]
	Package Weight		432 [196]	432 [196]	432 [196]
	Included Filter Type		Non-woven fabrics filter (MERV7)	Non-woven fabrics filter (MERV7)	Non-woven fabrics filter (MERV7)
	Blower Type		Centrifugal Fan	Centrifugal Fan	Centrifugal Fan
	Sound Pressure Level	dB	19.5 - 25.5 - 32.5 - 38.5	20.5 - 28 - 35 - 40.5	23 - 31 - 38 - 42.5
Electrical	Power Source	V AC / V AC, ø, Hz	208 / 240, 3, 60	208 / 240, 3, 60	208 / 240, 3, 60
	Power Consumption	W	641	1,012	1,323
	MCA	A	4	6	7.8
	MOCP		15	15	15
Fan	Fan Motor Type		EC Motor	EC Motor	EC Motor
	Airflow Rate	CFM [m^3/h]	235 - 471 - 706 - 942 [400 - 800 - 1,200 - 1,600]	294 - 589 - 883 - 1,177 [500 - 1,000 - 1,500 - 2,000]	368 - 736 - 1,104 - 1,471 [625 - 1,250 - 1,875 - 2,500]
	External Static Pressure	in.WG	0.05 - 0.18 - 0.41 - 0.72	0.05 - 0.18 - 0.41 - 0.72	0.05 - 0.18 - 0.41 - 0.72
	Factory Default Static Pressure		0.72	0.72	0.72
	Specific Fan Power	W/CFM	0.19 - 0.28 - 0.46 - 0.68	0.19 - 0.32 - 0.56 - 0.86	0.23 - 0.35 - 0.58 - 0.90
	Fan Motor Output	W	200	240	300
	Dual Barrier Coating on Fan		Yes	Yes	Yes
Exchange Efficiency	Temperature Exchange Efficiency - Heating	%	87 - 84.5 - 82.5 - 81.5	86 - 83 - 81 - 80	83.5 - 80 - 77.5 - 76.5
	Temperature Exchange Efficiency - Cooling		81.5 - 79.5 - 75 - 71	80.5 - 78 - 73 - 68	79.5 - 76 - 70.5 - 66
	Enthalpy Exchange Efficiency - Heating		84 - 83 - 80.5 - 79	83 - 81.5 - 78.5 - 77	81 - 78 - 75 - 73.5
	Enthalpy Exchange Efficiency - Cooling		78 - 72.5 - 66.5 - 62	76.5 - 70.5 - 63.5 - 59	74.5 - 66.5 - 61 - 57

LGH Specifications

Specifications			System					
Unit Type			LGH-F300RVX2-E	LGH-F380RVX2-E	LGH-F470RVX2-E	LGH-F600RVX2-E	LGH-F940RVX2-E	LGH-F1200RVX2-E
Capacity		CFM [m³/h]	300 [510]	380 [646]	470 [799]	600 [1,019]	940 [1,597]	1,200 [2,039]
Power source			208/230, 1, 60					
Power Consumption		kW	0.111 - 0.235	0.165 - 0.34	0.22 - 0.425	0.27 - 0.515	0.44 - 0.85	0.54 - 1.03
Current		A	0.017/0.048	0.02/0.065	0.047/0.11	0.047/0.12	0.094/0.22	0.094/0.24
Starting Current		A	6.1				12.2	
MCA		A	4.3	3.9	5.1	5.2	10.1	10.4
Maximum Overcurrent Protection (MOCP)		A	15					
Fan	Air Volume	CFM [m³/h]	300- 225- 150- 127 [510- 382- 225- 75	380- 285- 190- 161 [646- 484- 323- 95	470- 353- 235- 200 [799- 599- 399- 118	600- 450- 300- 255 [1,019- 765- 510- 150	940- 705- 470- 399 [1,597- 1,198- 799- 235	1,200- 900- 600- 510 [2,039- 1,529- 1,019- 300
	Type x quantity		8-3/4 In. diameter centrifugal fan		9-5/8 In. diameter centrifugal fan		8-3/4 In. diameter centrifugal fan	9-5/8 In. diameter centrifugal fan
	External Static pressure	in.WG	0.06–0.25–0.56–1.0	0.06–0.22–0.48–0.86	0.06–0.25–0.56–1.0	0.05–0.22–0.48–0.86	0.06–0.25–0.56–1.0	0.05–0.22–0.48–0.86
	Motor type		EC Motor					
Exchange Efficiency	Temperature	%	65.5-70-76-83	65-69.5-75-82	69-73-77.5-84.5	67-73-76.5-81	69-73-77.5-84.5	67-73-76.5-81
	Enthalpy Cooling	%	50.0-53.5- 58.0- 65.0	49.0-53.5- 60.0- 68.0	51.0-57.0- 64.0- 72.0	50.0-56.5- 64.5- 71.0	51.0-57.0- 64.0- 72.0	50.0-56.5- 64.5- 71.0
	Enthalpy Heating	%	63.0-66.5-74.0-81.5	61.0-65.5-71.0-78.0	64.0-69.0-75.0-83.0	64.0-68.5-74.5-80.0	64.0-69.0-75.0-83.0	64.0-68.5-74.5-80.0
External finish			Galvanized steel sheet					
External Dimensions		In. [mm]	41-7/8 x 41-3/16 x 13-1/32 [1,063 x 1,046 x 331]	39-13/32 x 42 x 15-29/32 [1,001 x 1,066 x 404]	41-3/8 x 51-5/16 x 15-29/32 [1,051 x 1,302 x 404]	50-5/16 x 51-5/16 x 15-29/32 [1,278 x 1,302 x 404]	41-9/64 x 49-15/16 x 31-13/16 [1,045 x 1,267 x 808]	50-1/8 x 49-15/16 x 31-13/16 [1,272 x 1,267 x 808]
Net weight		Lbs [kg]	75 [34]	90 [41]	110 [50]	123 [56]	225 [102]	251 [114]
Energy Transfer Mechanism			Lossnay® Core					
Heat Exchange Material			Partition, spacing plate-cellulose fiber membrane					
Heat Exchange System			Air-to-air total heat (sensible heat + latent heat) exchange, no moving parts					
Blower Type			8-3/4 In. diameter centrifugal fan		9-5/8 In. diameter centrifugal fan		8-3/4 In. diameter centrifugal fan	9-5/8 In. diameter centrifugal fan
Drainpipe Dimension (Two)		(H x W x L) In.	[]					
Entering Air Temperature Operation Range		°F [°C]	14 to 104 [-10 to 40]					
Sound pressure level		dB(A)	37.0–31.0–22.0–18.0	38.0–31.0–24.0–19.0	40.0–34.0–26.0–20.0	41.0–35.0–27.0–20.0	43.0–63.0–28.0–20.0	43.0–37.0–28.0–20.0

NOTES:
[1]Capacity indicates the maximum value at operation under the following condition.
Cooling: Indoor 91°F (32.7°C)DB/82°F (27.8°C)WB, Outdoor 91°F (32.7°C)DB. The set temperature of the remote controller is 63°F (17.2°C).
Heating: Indoor 32°F (0°C)DB/27°F (-2.9°C)WB, Outdoor 32°F (0°C)DB/27°F (-2.9°C)WB. The set temperature of the remote controller is 77°F (25°C).
[2]Thermo-off (FAN-mode) automatically starts if the outdoor temperature is lower than 63°F (17.2°C)D.B. The fan speed automatically runs at a very low speed if the outdoor temperature is greater than 109°F (42.8°C)D.B.
[3]Thermo-off (FAN-mode) automatically starts if the outdoor temperature is higher than 59°F (15.0°C)D.B.
[4]If the airflow rate is over the usable range, dew drops can be caused from the air outlet and the air flow rate is changed automatically because of the output down by the fan motor control. If the air flow rate is less than the usable range, condensation from the unit surface may occur.
- The maximum connectable indoor units to 1 outdoor unit are 110% (100% in case of heating below 23°F (-5°C)).
- When fresh air intake type indoor units connect to an outdoor unit together with other types of indoor unit, the total capacity of fresh air intake TYPE indoor units needs to be 30% or less of the connected outdoor unit capacity.
- Un-conditioned outdoor air such as humid air or cold air blows to the indoor during thermo off operation. Please be careful when positioning indoor unit air OUTLET GRILLES, IE take the necessary precautions for cold air, and also insulate rooms for dew condensation prevention as required.
- Fresh air intake type indoor units cannot be connected to PUMY and cannot be connected to an outdoor unit together with PWFY series.
- See data book and technical service manual for more details and system restrictions.
**If equipment is being used in a seacoast application, a coil coating to protect against saltwater corrosion is recommended

[1]Requires one filter set (two filters included per set)

NOTES:
Cooling / Heating capacities indicated at the maximum when operating under the following conditions:

Cooling | Entering Indoor Unit:	87°F (31°C) DB / 80°F (27°C) WB
Cooling | Outdoor Unit:	87°F (31°C) DB
Heating | Entering Indoor Unit:	32°F (0°C) DB
Heating | Outdoor Unit:	32°F (0°C) DB / 28°F (-2°C) WB

**If equipment is being used in a seacoast application, a coil coating to protect against saltwater corrosion is recommended.


EXIT

Zone controllers

SDW

PAC-SDW01RC-2

The SDW Remote Controller provides customers with a low-cost, user-friendly solution for all ducted and ductless Mitsubishi Electric systems. Its intuitive interface and simple dial control allows users to easily navigate through both basic and advanced system settings. The CN105 adapter connects to the wall plate using standard 18/4 AWG solid core wire, making the SDW a perfect choice for swapping out existing controllers and thermostats.

- Temperature and humidity sensing.
- Auto switching between COOL and DRY based on adjustable RH setting.
- Compatible with standard thermostat wire.
- Flexible scheduling.
- Humidity management.
- Dimensions: 3-3/8" x 3-3/8" x 1".

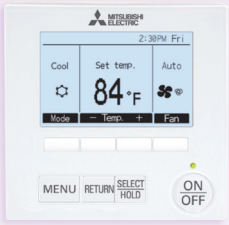
Touch MA

PAR-CT01MAU-SB

The Touch MA Zone Controller boasts a 180-color touchscreen user interface that is simple to use and allows for a personalized home screen with a company logo. This controller also features scheduling capabilities, multiple language support, and Bluetooth connectivity for local control using the MELRemo app.

- User-friendly, customizable full color touch panel display.
- Ability to add a custom logo on the display.
- Large icons with 180 color patterns.
- Password protected.
- Dimensions: 2-9/16" x 4-23/32" x 9/16".

Scan to read and learn about zone controllers



Deluxe MA

PAR-43MAAUB

Use the Deluxe MA Zone Controller to adjust mode, fan speed, airflow, and many more advanced settings. Temperature sensing can be configured to read at the controller or the indoor unit. This controller also features scheduling capabilities and an easy-to-navigate screen.

- Controls up to 16 zones.
- Large easy-to-see backlit LCD.
- Interlock and control Lossnay® units.
- Controls air direction (vane direction and ventilation).
- Supports dual set point and setback functions.
- Dimensions: 4-3/4" x 3/4" x 4-3/4".

Simple MA

PAC-YT53CRAU (MA)

Use the Simple MA Zone Controller to adjust mode, fan speed, airflow, and more. Temperature sensing can be configured to read at the controller or the indoor unit. This controller permits group operation for up to 16 indoor units.

- Controls up to 16 zones.
- Can be installed without making a hole in the wall.
- Backlit for operation in dark places.
- Users can change airflow direction (ceiling cassette and wall-mounted types).
- Dimensions: 2-3/4" x 9/16" x 4-3/4".

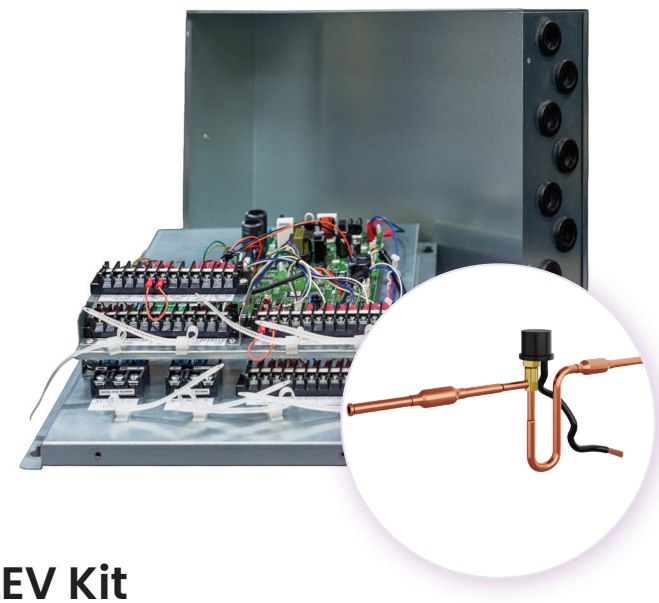
CITY MULTI® Controls Matrix

	Simple MA	Deluxe MA	Touch MA	SDW
Fully compatible with centralized control	Yes	Yes	Yes	Yes
Compatible with commercial cloud control	Yes	Yes	Yes	Yes
Local vane control	Yes	Yes	Yes	Yes
Fan speed control	Yes	Yes	Yes	Yes
Cooling set range[1]	67° - 87°F	67° - 87°F	67° - 87°F	50° - 99°F
Heating set range[1]	63° - 83°F	63° - 83°F	63° - 83°F	40° - 90°F
Auto set range dual temp setting[1]	67° - 83°F	67° - 83°F	67° - 83°F	50° - 90°F
Programmable	Only via central control	7-Day	7-Day	7-Day
Set temperature display height	5 mm	14 mm	16 mm	3.3 mm
Humidity display	No	No	No	Yes
Integral motion and light sensor	No	No	No	No
Error code display	Yes	Yes	Yes	Yes
Notable features	--	"Basic Mode" simplifies usage; interface is similar to traditional US-style thermostat.	Customizable screen color and logo display. Bluetooth compatible with app.	Offers Auto Dry: Automatically determines when to switch between Cool mode and Dry mode.

Consider use of sensors rather than controllers in common areas when Central Control is present; assigning individual users via Personal Web Browser allows local control via browser on any networked PC; license access can reduce installed cost when applied to 10 or more indoor units.

Hotel Thermostat Wired & Wireless	Conventional Thermostat Interface	MHK2 Wireless	Surface Mount Sensor	Flush-mount Sensor
No	No	Yes	Yes	Yes
No	No	Yes	Yes	Yes
No	No	Yes	No	No
No	No	Yes	No	No
--	50° - 99°F	50° - 99°F	50° - 99°F	50° - 99°F
--	40° - 99°F	40° - 99°F	40° - 99°F	40° - 99°F
--	50° - 90°F	50° - 90°F	50° - 90°F	50° - 90°F
--	--	7-Day, Sat/Sun: 5-2	Only via central control	Only via central control
--	--	4 mm	--	--
--	--	Yes	--	--
Yes	--	No	--	--
No	No	Yes	No	No
3rd party products. Integral motion and/or occupancy sensor. Hotel-centric logic. Communicates with hotel management software.	Requires 3rd party transformer and thermostat. Logic combines single or two-stage input with modulating VRF comfort.	Wireless controller with easy push-button receiver pairing.	Lowest-cost local sensor	Flush sensor only; can be painted for discreet appearance.

1. Setpoint range also depends on the model of the indoor unit. Setpoint range for each model can be found in the indoor unit Operation or Service manual.



LEV Kit

Linear Expansion Valve Kits, or LEV kits, provide the ability to connect CITY MULTI® R2- and Y-Series commercial heat pumps to any new or existing heating, ventilation and air conditioning (HVAC) system. This enables building managers and occupants to receive all the benefits of heat pump technology while integrating with third-party HVAC equipment (DOAS, RTU, AHU, ERV, etc.) A LEV kit controls the flow of refrigerant from a Mitsubishi Electric heat pump to any coil, resulting in energy-efficient, sustainable, all climate heating and cooling for any building.

Components of the kit include:

- LEV control box
- LEV Assembly
- (4) Thermistors
- (2) Thermistor brackets
- (7) Rubber bushings
- (1) Cover lanyard.

Design Capacity Range		Required Components					
BTU/H	kW	AHU Controlller	Valve assembly				
		PAC-AH002	PAC-LV24AC-1	PAC-LV48AC-1	PAC-LV60AC-1	PAC-LV96AC-1	PAC-LV120AC-1
4,800 - 24,000	1.41 - 7.03	1	1	---	---	---	---
24,000 - 48,000	7.03 - 14.07	1	---	1	---	---	---
48,000 - 60,000	14.07 - 17.58	1	---	---	1	---	---
60,000 - 96,000	17.58 - 28.13	1	---	---	---	1	---
96,000 - 120,000	28.13 - 35.17	1	---	---	---	---	1
120,000 - 192,000	35.17 - 56.27	1	---	---	---	2	---
192,000 - 240,000	56.27 - 70.34	1	---	---	---	---	2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AUTOMATIC DOORS
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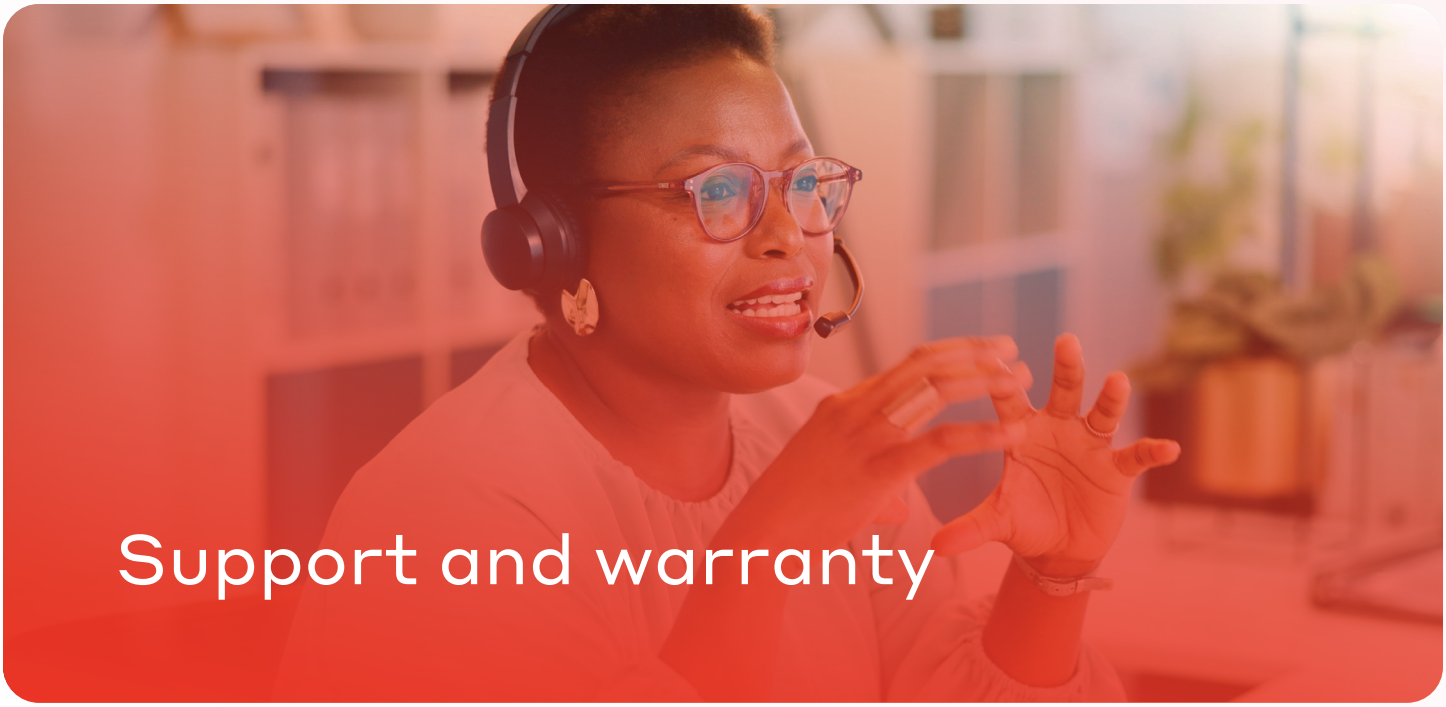
HOTEL
&
BAR



Support and warranty

Your partner from design to commissioning

Mitsubishi Electric stands behind every system with expert technical support, training, and robust warranty coverage. When you choose Mitsubishi Electric, you gain more than equipment — you gain a long-term partner dedicated to your project's performance and success.

Support Resources

- Local design and application engineers.
- On-site and online training programs.
- Commissioning and startup assistance.

Scan to learn more information
www.mitsubishicomfort.com/resources

Warranty Coverage

- 10-year compressor and parts coverage (qualified installations).
- Optional extended protection and maintenance programs.

Scan to for warranty information
www.mitsubishicomfort.com/warranty

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Printed in the USA

ME_CM_3028_7-26