



CITYMULTI® VRF



A LEADER IN ADVANCED HVAC SYSTEMS

When it comes to providing personalized comfort in every room of every building, Mitsubishi Electric Trane HVAC US is here to help. No other company is as committed to creating environmentally friendly and affordable technology that's ideal for today's home and work environments, no matter the size or shape.



QUALITY

Mitsubishi Electric is consistently recognized by HVAC contractors as a preferred brand of ductless and variable refrigerant flow (VRF) systems, with the highest quality rating among manufacturers. With over 30 years of industry leadership, we are proud to be a leading brand of VRF technology.



PERFORMANCE

We deliver a complete range of compact and powerful heat pump and heat recovery products that are also intelligent, quiet, and use energy efficiently.



TRAINING

We provide comprehensive product and applications instruction through our regional training centers across the United States and Mexico.



SUPPORT

We offer the most extensive network of experienced VRF zoning system professionals to provide project consultation in the areas of application planning and design, plus installation and start-up. Post installation, we provide support, including user training and operation monitoring.



GROWTH

Our products and services provide opportunities for architects, engineers, distributors and contractors to enhance and grow their businesses. With nearly 30 years of consistent growth, we continue to lead the ductless and VRF market's acceleration.



ECO CHANGES

Eco Changes is our commitment to continuously strive for a greener tomorrow through cutting-edge global environmental technologies and outstanding strength in manufacturing.

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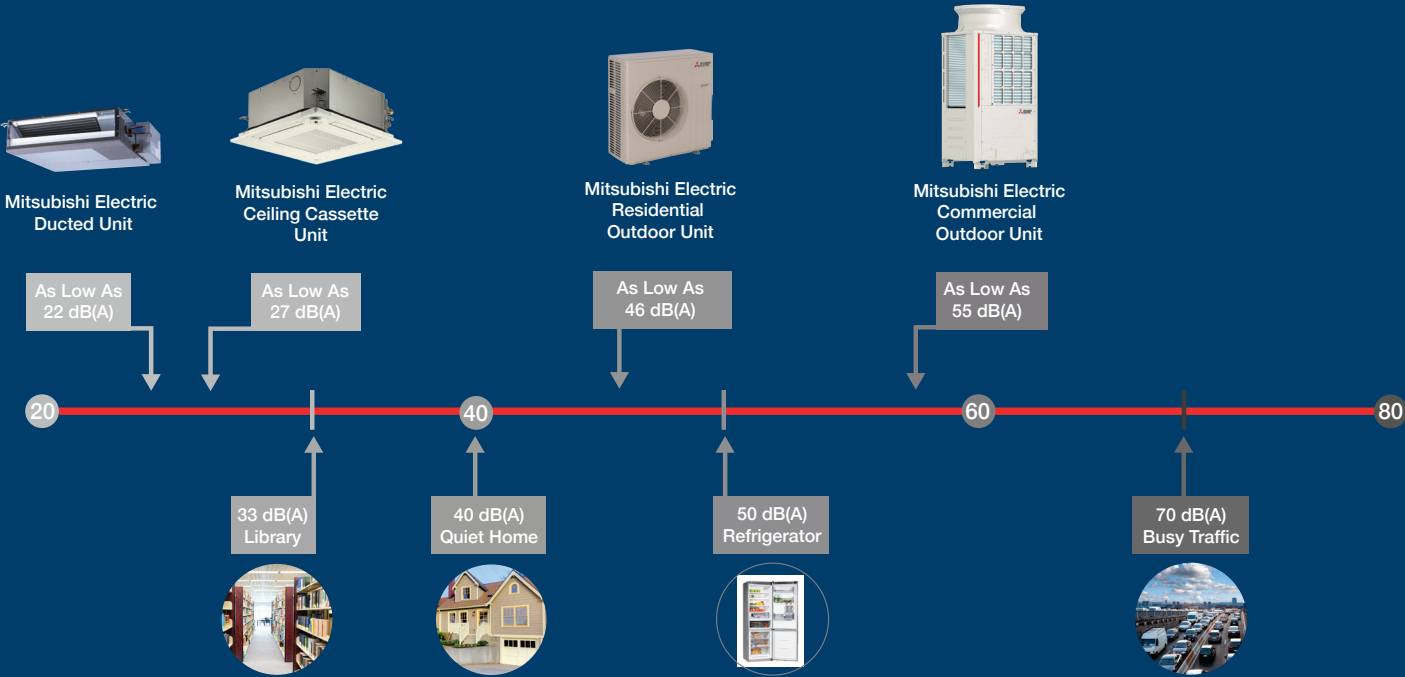
UBER ADVANCED TECHNOLOGIES GROUP
PITTSBURGH, PA

WHY CITY MULTI® VRF SYSTEMS?

As a global leader in VRF zoning solutions, you can trust that you're receiving the most advanced technology and dedicated support in the industry.

- ▶ **Ultra-Efficient Design** to ensure total comfort in any commercial space
- ▶ **Advanced INVERTER Technology** varies the speed of the compressor for more efficient cooling and heating
- ▶ **Complete Zoning Control** so you heat and cool the areas that need it without paying for the ones that don't
- ▶ **Design Flexibility** for any application, from modern designs to historic renovations
- ▶ **Complete Product Family** to handle every job from the smallest spaces to the largest buildings and campuses
- ▶ **Sustainable Technology** that contributes to Leadership in Energy & Environmental Design (LEED) credits and saves energy
- ▶ **Quiet Operation** that's even softer than a human whisper
- ▶ **Simultaneous Operation** to heat and cool with just two refrigerant pipes

QUIET OPERATION



OUTDOOR UNITS

Mitsubishi Electric offers an extensive lineup of air-source and water-source units that can be tailored to any application's requirements.

HEAT RECOVERY



R2-Series / H2i® R2-Series
(Air-Source)



Y-Series / H2i® Y-Series
(Air-Source)



S-Series / H2i® S-Series (PUMY)
(Air-Source)



WR2-Series
(Water-Source)



WY-Series
(Water-Source)

Mitsubishi Electric's wide range of indoor units enables you to choose the style and size that meets your requirements for layout and design.



PLFY-EP-NEMU (33"x33")
PLFY-P-NFMU (22"x22")
Ceiling Cassette (4-way)



PMFY
Ceiling Cassette (1-way)



PCFY
Ceiling-Suspended



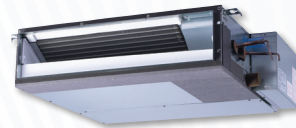
PVFY
Multi-position Air Handler



PKFY
Wall-Mounted



PWFY-NMU-E2-AU (HEX)
PWFY-NMU-E-BU (Booster)
Hydronic Heat Exchanger



PEFY-P-NMSU Low Profile
PEFY-P-NMAU Medium Static
PEFY-P-NMHU / NMHSU High Static
Ceiling-Concealed Ducted



PFFY-NEMU Exposed
PFFY-NRMU Concealed
Floor-Standing

CITY MULTI® CONTROLS NETWORK (CMCN)

The flexibility of CITY MULTI controls allows you to select the level of control and integration that fits the needs of your application.

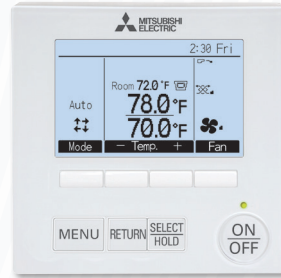
ZONED CONTROLLERS



PAR-FL32MA
Wireless MA
Wireless Remote
Controller



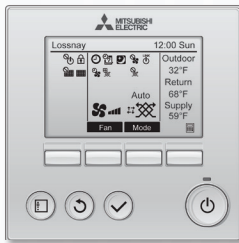
PAC-YT53CRAU
Simple MA
Remote Controller



PAR-40MAAU
Deluxe MA
Remote Controller



PAR-U01MEDU
SmartME Controller®



PZ-61DR-E
Lossnay® Remote
Controller



PZ-43SMF
Lossnay Remote
Controller



PAR-CT01MAU-SB
Touch MA
Remote Controller



kumo cloud®
App-based Controller

CENTRALIZED CONTROLLERS



AE-200A/AE-50A
Touch Screen
Centralized Controllers
(Browser Capable)



EW-50A
Centralized Controller
(Browser Capable)



TC-24B
Touch Screen
Centralized Controller



ICCW
Integrated Centralized
Control Web

CUSTOM CONTROL SOLUTIONS



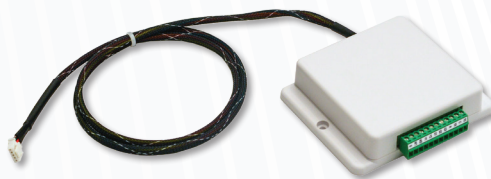
**PACY-YG60MCA (PI)
PAC-YG63MCA (AI)
PAC-YG66DCA (DIDO)
I/O Control Boards**



**LMAP04U
LonWorks® Interface**



**DC-8000
Diamond Controls™
Building Management
System**



**PAC-US444CN
Thermostat Interface**

CITY MULTI® HIGH-PERFORMANCE, MODULAR VRF SYSTEMS

CITY MULTI outdoor units feature a lightweight modular design with a minimal footprint, lower sound level, easy piping, maintenance and much more.

1 INVERTER-DRIVEN COMPRESSOR TECHNOLOGY

The compressor varies its speed to match the indoor cooling or heating demand to consume only the energy required. No other compressor design can match the efficient performance.

2 EASY MAINTENANCE

In many cases, our systems allow an indoor unit to be serviced while other indoor units within the same piping system are still in operation. Indoor units only require periodic filter changes and cleaning. Protective coating comes standard on air-source outdoor units to lengthen coil life while additional Bermuda Special treatment, designated -BS within the model number, provides enhanced protection for the rest of the outdoor unit in sea-coast environments.

3 LONG LINE LENGTHS

The R2- and Y-Series outdoor units allow for long line lengths to the connected indoor units. Maximum total length of refrigerant piping is up to 2,624 feet for R2-Series and up to 3,280 feet for Y-Series.

4 ADJUSTABLE STATIC PRESSURE

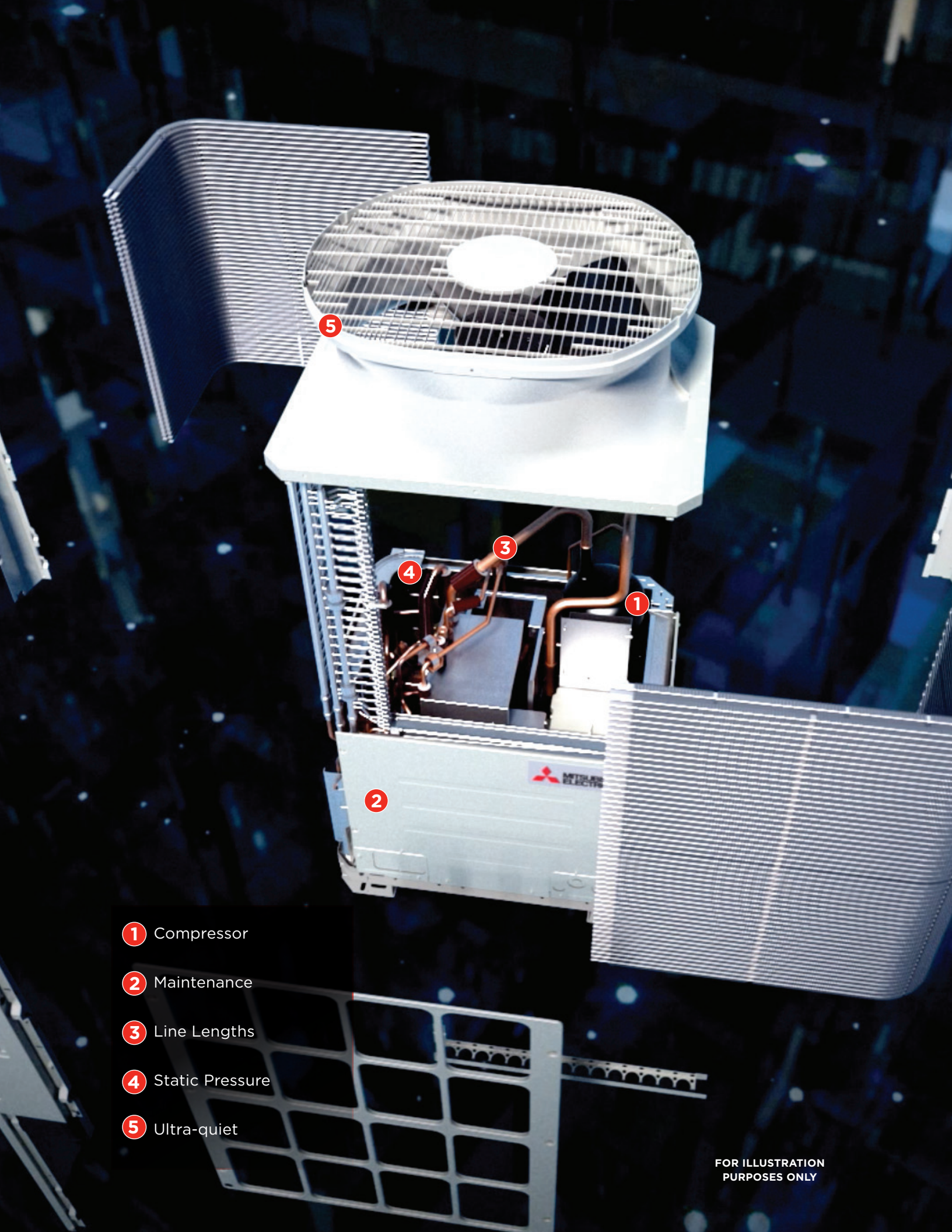
R2-, Y- and H2i R2- and Y-Series outdoor fan features adjustable static pressure up to 0.32" W.G., enabling the use of louvers or ductwork in its installation. The static pressure setting is adjustable by changing a dip switch. The default setting is 0" W.G., with options for 0.12", 0.24" and 0.32" W.G.

5 QUIET OPERATION

CITY MULTI air-source outdoor units operate at sound levels as low as 55 dB(A)—the level of a common office environment, restaurant conversation or background music. Water-source units operate as low as 47 dB(A). Contributing features include our INVERTER-driven compressor compartment sealed by insulation-lined metal panels, vibration-absorbing compressor mounts, inverter-driven fan and Low Noise operating mode.

LOW AMBIENT OPERATION

CITY MULTI systems provide 100% cooling capacity down to -10° F with the optional low ambient kit. Systems provide guaranteed heating capacity down to -22° F, with operation possible to -31° F (N-Generation H2i® Units).



- ① Compressor
- ② Maintenance
- ③ Line Lengths
- ④ Static Pressure
- ⑤ Ultra-quiet

FOR ILLUSTRATION
PURPOSES ONLY



OUTDOOR UNITS

R2-Series/H2i[®] R2-Series/Y-Series/H2i Y-Series/S-Series / H2i S-Series / W-Series

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PITTSBURGH, PA

Outdoor units featuring cold weather accessories, including hail and snow guards



OUTDOOR UNIT SHOWCASE



R2-Series Heat Recovery

(Standard and High-Efficiency)

* 32-36 ton only available for high efficiency models
30-ton combination not available

72-432

80-480

PURY up to 50 indoor units

72

80



R2-Series H2i[®] Heat Recovery



72-240

80-270

PURY up to 50 indoor units

72

80



Y-Series Heat Pump

(Standard and High-Efficiency)

72-432

80-480

PUHY up to 50 indoor units

72

80



Y-Series H2i[®] Heat Pump



72-240

80-270

PUHY up to 50 indoor units

72

80



WR2-Series Heat Recovery

(Water-Source)

72-336

80-378

PQRY up to 50 indoor units

72

80



WY-Series Heat Pump

(Water-Source)

72-360

80-405

PQHY up to 50 indoor units

72

80



S-SERIES (PUMY)



S-Series Heat Pump

36-60

40-66

PUMY up to 12 indoor units

36

60

40

66



S-Series H2i[®] Heat Pump



36-48

42-54

PUMY up to 12 indoor units

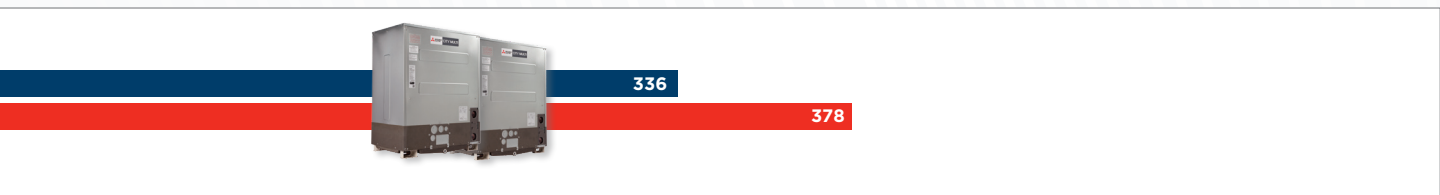
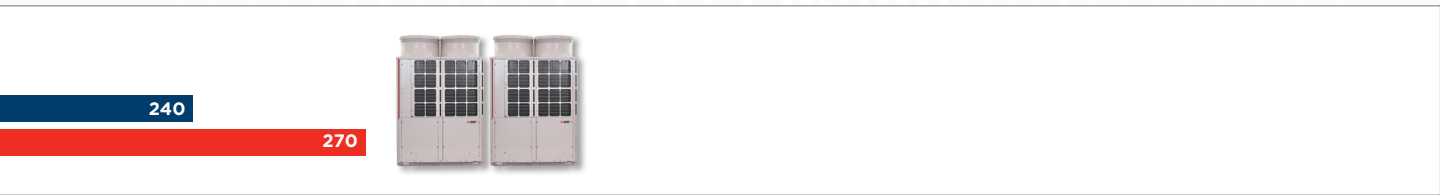
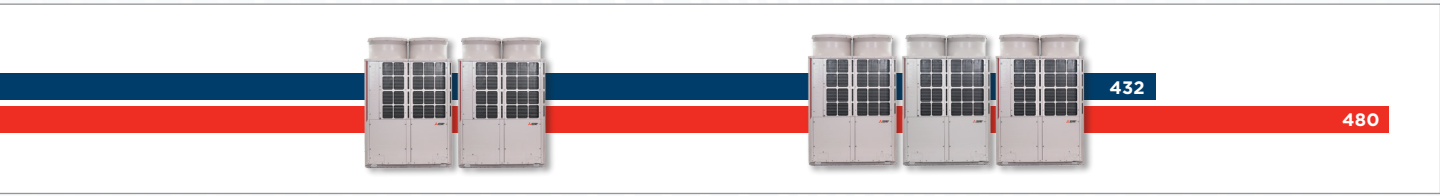
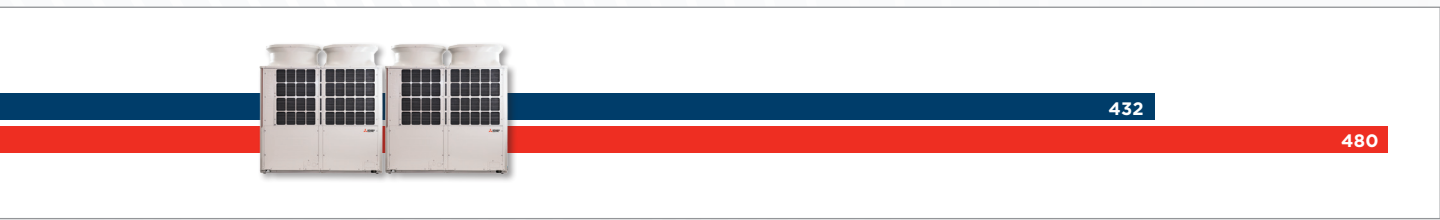
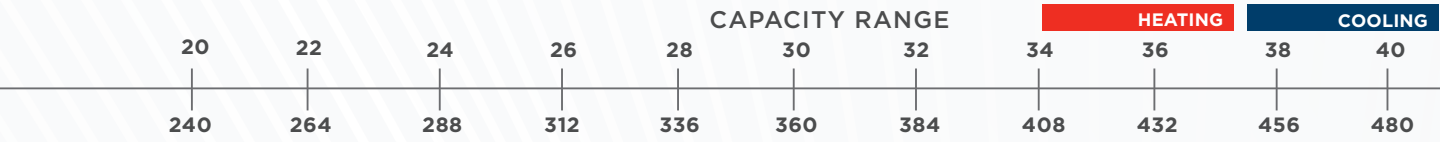
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48

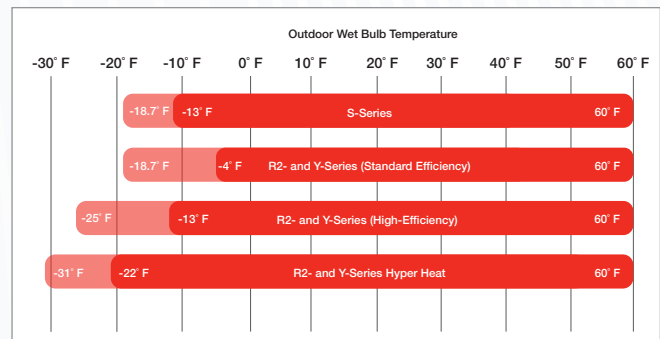
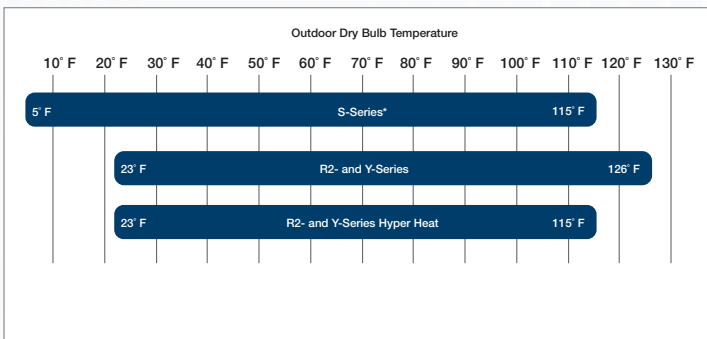
42

54





CITY MULTI® OUTDOOR UNIT OPERATING RANGES



*Low ambient operation may require the use of low ambient accessories.



N-GENERATION

The industry's first two-pipe heat recovery system that simultaneously cools and heats.

The R2-Series simultaneously cools and heats different zones within a building to provide energy-saving heat recovery operation through the use of the Branch Circuit (BC) Controller.



- ▶ Up to a 30% smaller footprint than previous outdoor unit models
- ▶ Expanded vertical piping limits increase by over 130 feet
- ▶ Redesigned main BC Controller features a 14% reduction in height compared to previous models along with a removable drain pan
- ▶ Connect up to 11 sub-BC controllers to one main BC
- ▶ Requires approximately 13% less refrigerant charge than L-Generation
- ▶ Broader range of capacities, with units from 6 to 36 tons
 - New 16-, 18- and 20-ton high-efficiency single modules
 - 16-20 tons units are high-efficiency only
- ▶ Increased energy efficiency with an up to 27% improvement than prior generation units
- ▶ New 4-sided heat exchanger, compressor and fan blade design improve both nominal and seasonal efficiency levels
- ▶ Five air flow settings
- ▶ Unique flat tube aluminum heat exchanger ensures maximum heat transfer, particularly at part-load conditions
- ▶ Improved heating performance, with H2i® liquid injection technology standard on high-efficiency models, provides comfort in any climate
- ▶ Built-in USB port allows for download and storage for up to five days of operational data directly into Maintenance Tool, resulting in simplified troubleshooting and maintenance
- ▶ Ultra-quiet noise levels. Improved compressor and fan design reduces noise output with decibel levels as low as 55 dB(A)

Refrigerant Piping Lengths *(Maximum Feet)*

| | |
|--|----------------------|
| Total Length ¹ | 1,761-3,073 |
| Farthest indoor from outdoor | 541 (623 equivalent) |
| Maximum length between outdoor and single/main BC Controller | 360 |
| Maximum length between single/main BC controller & indoor | 131-197 |
| Indoor/Outdoor (Outdoor Higher) ³ | 164 |
| Indoor/Outdoor (Outdoor Lower) ⁴ | 131 |
| Indoor/BC Controller (Single/Main) ² | 49 |
| Indoor/Indoor | 98 |
| Main Controller/Sub BC Controller | 49 |

1. Maximum Total Length is dependent on the outdoor unit model and distance between BC Controller.

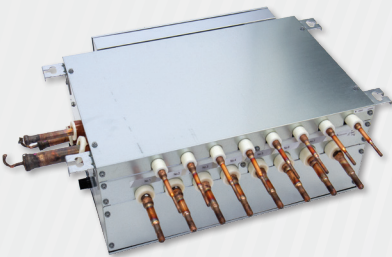
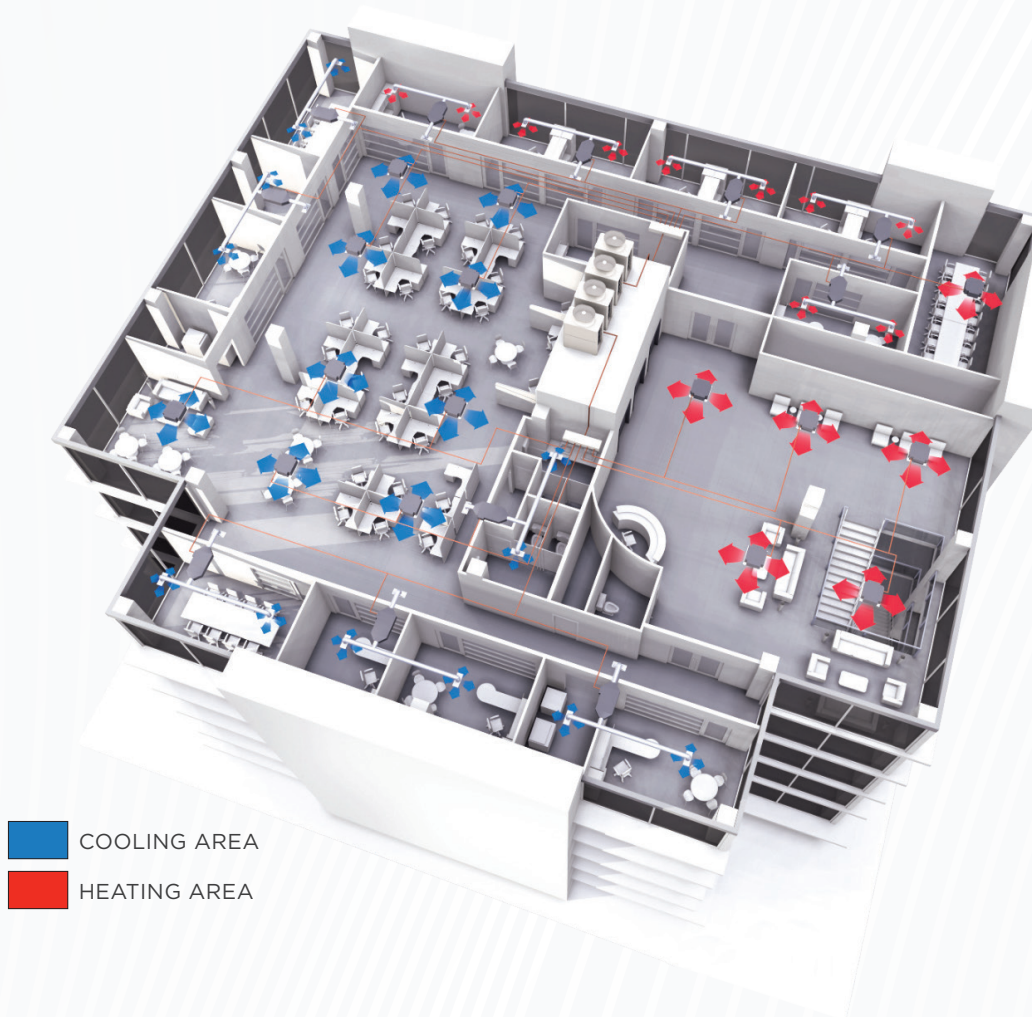
2. Maximum length between single/main BC Controller and indoor is dependent upon the vertical differential between the single/main BC Controller and the indoor unit.

3. 295' is available depending on model and installation conditions. For more detailed information, contact your local distributor.

4. 197' is available depending on model and installation conditions. For more detailed information, contact your local distributor.

SIMULTANEOUS OPERATION

CITY MULTI® VRF systems provide simultaneous cooling and heating any time of year. This innovation transfers heat from one zone, normally ejected outside the building, to be used in another zone within the building.



Branch Circuit Controller

The BC Controller is the technological heart of the CITY MULTI R2-Series. It works in unison with the outdoor unit to provide simultaneous cooling and heating, something no other two-pipe system can do.

Single BC Controller:

For systems with up to 120,000 Btu/h nominal cooling capacity that require only one BC Controller.

Main BC Controller:

For larger systems that require the use of Sub BC Controllers.

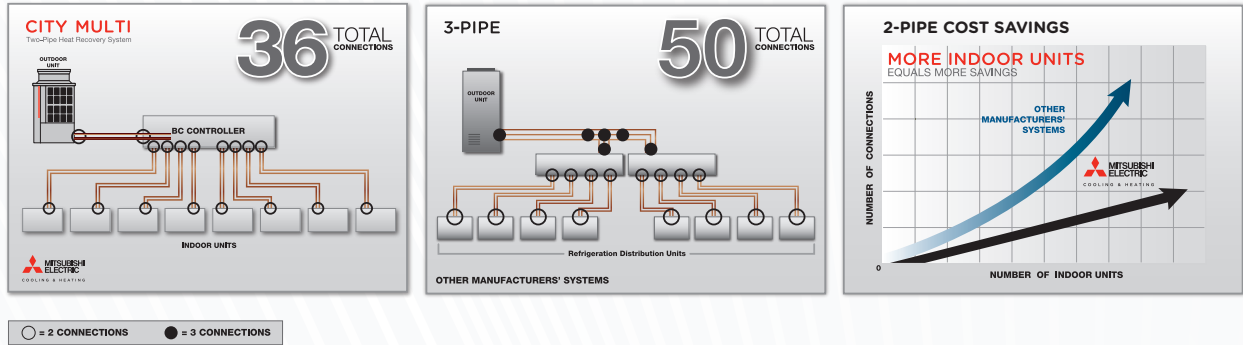
Sub BC Controller:

Used with a Main BC Controller to connect additional indoor units. A maximum of 11 Sub BC Controllers can be connected to one Main BC Controller per system.

THE TWO-PIPE ADVANTAGE

CITY MULTI® heat recovery systems provide simultaneous cooling and heating with just two refrigerant pipes. As the number of indoor units grow, so do the two-pipe installations savings, in terms of connections (refrigerant and electrical) as well as maintenance access.

FEWER CONNECTIONS REQUIRED FOR SIMULTANEOUS OPERATION



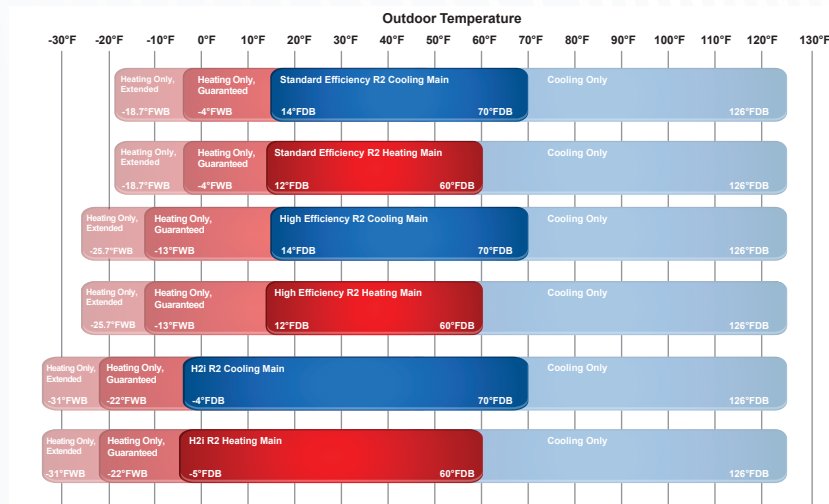
EFFECTIVE ENERGY USAGE

The total applied capacity of the R2-Series system’s indoor units can be up to 150% of the capacity of the outdoor units. This is made possible by taking advantage of load diversity and simultaneous cooling and heating operation. CITY MULTI VRF systems can satisfy a significantly higher building load by efficiently distributing the capacity to the outdoor units and indoor units while using much less energy. CITY MULTI systems, in combination with Mitsubishi Electric’s Integrated Centralized Control Web (ICCW) configured with optional Energy Allocation software, appropriately allocates the cooling and heating usage among the tenants. The allocation is based on each tenant’s usage of comfort control based on the temperature setting on their system controller. ICCW can control up to 2,000 indoor units from a single PC.

MODULAR SCALABILITY

With the Twinning Kit accessory, the modular units easily combine in the field to create a larger capacity system. Only two refrigerant pipes need to be twinned, saving time and materials. Oil and pressure equalization lines aren’t needed when combining modules. This also helps to reduce installation cost.

SIMULTANEOUS OPERATING RANGE



H2i® R2-SERIES

Bringing year-round comfort to extreme climates with energy recovery

The Hyper-Heating INVERTER® (H2i) R2-Series simultaneously cools and heats different zones within a building to provide energy saving heat recovery operation. Our 2-pipe H2i R2-Series gives you the flexibility to fit the specific needs of any building and provides reliable cold-climate heating performance.



- ▶ 2-pipe, simultaneous operation for up to 50 zones
- ▶ Available capacities (6, 8, 10, 12, 16, 20 ton)
- ▶ 50%-150% connectible capacity
- ▶ 70% heating capacity at -22° F, up to 85% heating capacity at -13° F and 100% heating capacity at -4° F (6 ton and 8 ton)
- ▶ Improved Hyper-Heating INVERTER® (H2i) technology delivers superior heating performance in extreme climates
- ▶ Introduction of 10 ton single module
- ▶ Optional - Provides continuous heating during defrost, improves occupant comfort
- ▶ Uses BC Controllers and headers to provide piping design flexibility and simultaneous operation
- ▶ INVERTER-driven compressor for outstanding performance and optimized energy usage
- ▶ Industry leading performance with lower power requirements
- ▶ Connects to CITY MULTI® indoor units; controlled via CITY MULTI Controls Network (CMCN)

Maximum Refrigerant Piping Lengths (Feet)

| | |
|---|----------------------|
| Total length (maximum total length is dependent on the outdoor unit model and distance between BC Controller) | 1,804-2,624 |
| Farthest indoor from outdoor | 541 (623 equivalent) |
| Maximum length between outdoor & single/main BC Controller | 360 |
| Maximum length between single/main BC Controller and indoor | 131-197 |

Vertical Differentials Between Components (Maximum Feet)

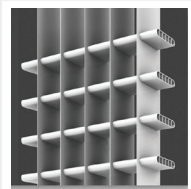
| | |
|--|-----|
| Indoor/Outdoor (Outdoor Higher) | 164 |
| Indoor/Outdoor (Outdoor Lower) | 131 |
| Indoor/BC Controller (Single/Main) (Maximum length between single/main BC Controller and indoor is dependent upon the vertical differential between the single/main BC Controller and the indoor unit) | 49 |
| Indoor/Indoor | 98 |
| Controller/Sub BC Controller | 49 |

N-GENERATION Two-Pipe Zoned Heat Pump System

Y-Series outdoor units are flexible enough to cool or heat up to 50 individual zones, maximizing building design options. The modular unit design features a small footprint and low operating sound.



- ▶ Improved heating performance providing up to 28% improvement compared to previous L generation
- ▶ Flash injection technology built-in as standard (High-Efficiency models)
- ▶ Up to 28% IEER improvement compared to L-Generation models
- ▶ HexiCoil™ aluminum flat tube heat exchanger technology, eliminating copper tubing from the coil (High-Efficiency tier)
- ▶ Significantly less refrigerant charge required vs. prior models
- ▶ Supports up to 50 indoor units per outdoor unit
- ▶ Broader range of capacities, with units from 6 to 36 tons
 - New 18- and 20-ton high-efficiency single modules
- ▶ Optimized refrigerant circuit and component design for improved flow distribution, allowing maximum energy transfer with minimal power input
- ▶ Superior high-ambient cooling performance with guaranteed operation to 126° F
- ▶ Extended 10-year parts and compressor warranty available



HEXICOIL CONDENSER COIL TECHNOLOGY (High Efficiency tier)

- ▶ Optimized cross-sectioned tubed walls ensure maximum heat transfer
- ▶ Zinc-coated for long-term corrosion resistance
- ▶ Unique fin shape and coating provide water shedding capability
- ▶ Capillary tube system provides even fluid distribution

Maximum Refrigerant Piping Lengths (Feet)

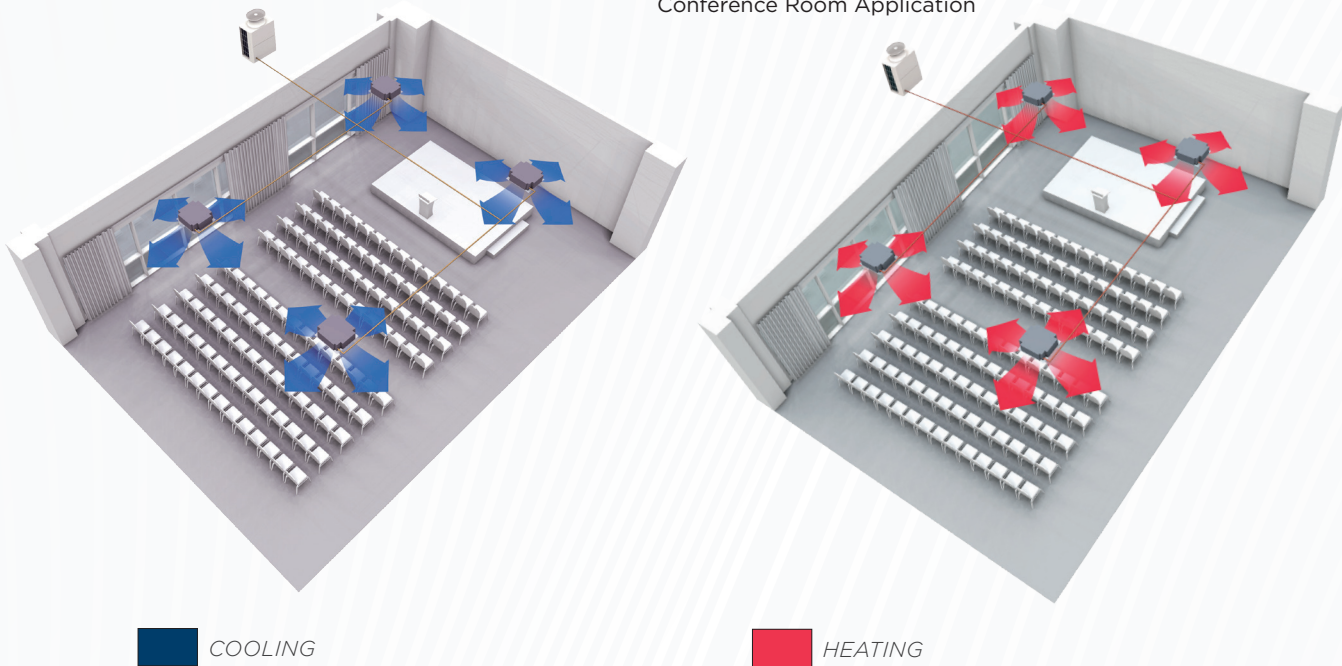
| | |
|--|--------------|
| Total Length | 3,280 |
| Indoor to Outdoor | 541 |
| Indoor to First Branch | 295 |
| Vertical Differentials Between Units (Maximum Feet) | |
| Indoor/Outdoor (Outdoor Higher) ¹ | 164 |
| Indoor/Outdoor (Outdoor Lower) ² | 131 |
| Indoor/Indoor | 98 |

1. 295' is available depending on model and installation conditions. For more detailed information, contact your local distributor.
 2. 197' is available depending on model and installation conditions. For more detailed information, contact your local distributor.

ULTIMATE IN ZONING

The CITY MULTI® Y-Series uses a two-pipe system with a wide variety of indoor units and individual zone controllers to provide the ultimate zoning system. Headers and T-branches simplify the piping design and provide design freedom for placement of both piping and indoor units. Individual zones are managed by remote controllers placed in each zone or by the centralized controller.

Conference Room Application

**INTELLIGENT ENERGY USAGE**

The highly responsive INVERTER technology and customized zone control of the CITY MULTI Y-Series provides year-round savings. In warm summer months, the Y-Series provides exceptional zoned cooling, and in cold winter months, the INVERTER-driven compressor provides outstanding heating performance. CITY MULTI systems, in combination with Mitsubishi Electric's Integrated Centralized Control Web configured with optional ICCW software, appropriately allocates the cooling and heating usage among the tenants. The allocation is based on each tenant's actual usage. Integrated Centralized Control Web can control up to 2,000 indoor units from a single PC.

DESIGN FLEXIBILITY

Flexibility is the key with the CITY MULTI Y-Series. The Y-Series, just like the R2-Series, can condition up to 50 zones. By using T-branches and headers, the Y-Series provides the ultimate in piping design flexibility that is truly simple in application.

Bringing year-round comfort to extreme climates with energy recovery

Hyper-Heating INVERTER[®] (H2i) technology enhances the Y-Series by providing full heating capacity to -4° F outdoor ambient temperature. H2i technology is exclusive to Mitsubishi Electric and is available in select CITY MULTI[®] VRF units.



- ▶ Heat pump that provides either all-cool or all-heat operation in up to 50 zones
- ▶ Available capacities (6, 8, 10, 12, 16, 20 ton)
- ▶ 50%–130% connectible capacity
- ▶ Extreme performance provides up to 100% heating capacity at - 4° F, up to 85% heating capacity at -13° F, and up to 70% heating capacity at -22° F
- ▶ Uses T-branches and headers to provide piping design flexibility
- ▶ INVERTER-driven compressor for outstanding performance and optimized energy usage
- ▶ Industry leading performance with lower power requirements
- ▶ Connects to CITY MULTI indoor units; controlled via CITY MULTI Controls Network (CMCN)

| Maximum Refrigerant Piping Lengths (Feet) | |
|---|------|
| Total Length | 3280 |
| Indoor to Outdoor | 541 |
| Indoor to First Branch | 295 |
| Vertical Differentials Between Units (Maximum Feet) | |
| Indoor/Outdoor (Outdoor Higher) | 164 |
| Indoor/Outdoor (Outdoor Lower) | 131 |
| Indoor/Indoor | 98 |

1. 295' is available depending on model and installation conditions. For more detailed information, contact your local distributor.
 2. 197' is available depending on model and installation conditions. For more detailed information, contact your local distributor.

EXTREME HEATING PERFORMANCE

With its expanded heating capabilities, the CITY MULTI® H2i® R2- and Y-Series provides year-round comfort, even in extreme climates.

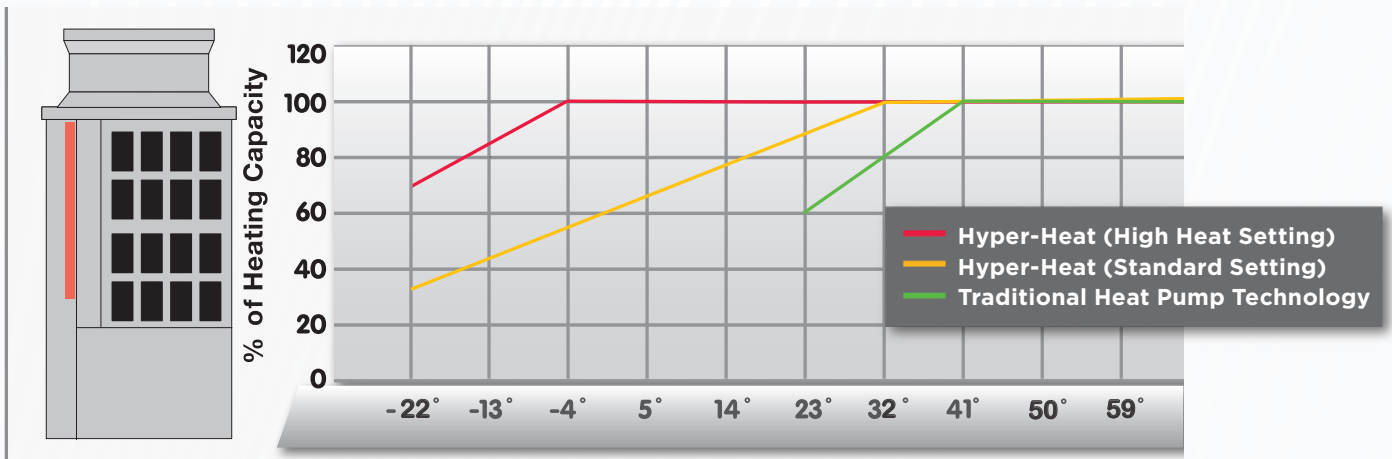
- ▶ At -4° F outdoor temperature, the H2i system can provide 100% of rated heating capacity
- ▶ At -13° F outdoor temperature, the system can provide up to 85% heating capacity
- ▶ At -22° F, the system can provide up to 70% heating capacity

UNEQUALED COMFORT

The patented flash injection process cools the compressor, allowing higher speeds at a lower outdoor temperature without overheating. This also allows the system to maintain indoor coil temperatures providing phenomenal heating performance at low temperatures. The Hyper-Heating INVERTER® combines the ultimate in application flexibility and powerful conditioning capabilities to deliver personalized comfort control to multiple zones of a commercial or institutional building. The outdoor units deliver full-sized performance from a compact, space-saving design for ease of transportation and installation. The INVERTER-driven scroll compressor delivers the precise amount of comfort to the zones as required.

HYPER-HEATING INVERTER VS. OTHERS

(72,000 Btu/h, 70° F W.B. entering Indoor Unit)



Solutions for light commercial and large residential applications

The CITY MULTI® S-Series (PUMY) is a single-phase heat pump system ideal for light commercial or large residential applications. Featuring best-in-class efficiency ratings and ENERGY STAR® qualification, PUMY systems are designed to deliver operational cost savings and long-time performance to a homeowner or building owner. It uses the CITY MULTI Controls Network (CMCN) to cool or heat up to 12 individual zones with a choice of indoor unit styles.



- ▶ Single-phase 208/230V operation allows use in residential and light commercial applications
- ▶ Systems available from 36,000–60,000 Btu/h
- ▶ All models are Energy Star® qualified
- ▶ SEER rating improvement of 8% (average vs. prior models)
- ▶ HSPF rating improvement of 3% (average vs. prior models)
- ▶ Blue-fin condenser coating standard on all models
- ▶ Extended heating operating range down to -18° F
- ▶ Extended cooling operating range down to 5° F
- ▶ Connects up to 12 indoor units

| Maximum Refrigerant Piping Lengths (Feet) | |
|---|------------------|
| Total Length | 984 ¹ |
| Indoor to Outdoor | 492 ² |
| Indoor to First Branch | 98 |
| Vertical Differentials Between Units (Maximum Feet) | |
| Indoor/Outdoor (Outdoor Higher) | 164 |
| Indoor/Outdoor (Outdoor Lower) | 131 |
| Indoor/Indoor | 49 |

1. Applies to P36 and P48 models only. P60 is 492'.

2. Applies to P36 and P48 models only. P60 is 262'.

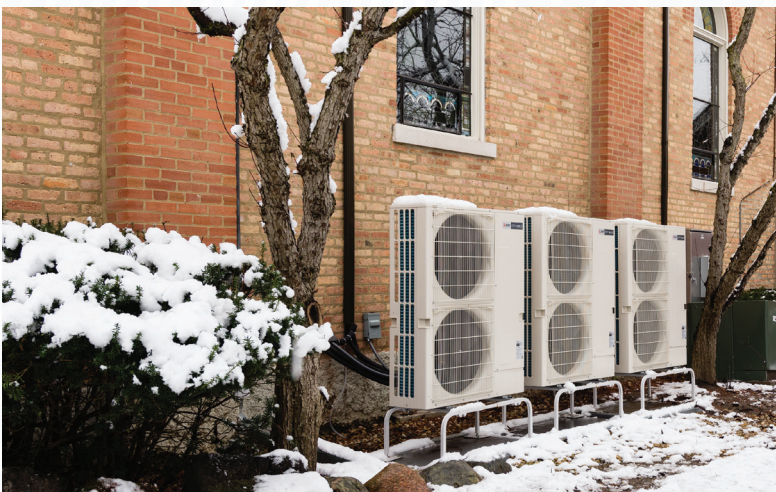
H2i[®] S-SERIES (PUMY)

Introducing the expansion of the S-Series (PUMY) outdoor unit lineup to include Hyper-Heating INVERTER[®] (H2i[®]) technology.

Part of the CITY MULTI[®] family, the H2i[®] PUMY is a single-phase heat pump ideal for light commercial applications including banks, churches, schools, server rooms, retail centers and more.



- ▶ Available in 36,000 and 48,000 Btu/h capacities
- ▶ 100% heating capacity at 1° F
- ▶ 78% heating capacity down to -13°F, utilizing flash injection technology
- ▶ Models are Energy Star[®] qualified
- ▶ Base Pan Heater standard



Modular heat pump systems that combine the convenience of water source with VRF technology

W-Series units are easily installed indoors, which means that system performance efficiency is independent of outdoor ambient temperatures. W-Series includes WR2 models for simultaneous cooling and heating, and WY models for independent cooling and heating operation.



- ▶ Single modules up to 20 tons with the ability to combine single modules for systems up to 30 tons
- ▶ 208/230V, 3-Phase, 60 Hz and 460V, 3-Phase, 60 Hz options
- ▶ 0-10V output signal to modulate water flow for compliance with energy codes
- ▶ Enhanced water-side heat exchanger design for improved efficiency and reduced risk of clogging
- ▶ Designed for closed water loops
- ▶ Connects to CITY MULTI® indoor units and controlled via CITY MULTI Controls Network (CMCN)
- ▶ Stack multiple units on a field-supplied rack to take advantage of vertical space when available
- ▶ Extended 10-year parts and compressor warranty available
- ▶ Unlike previous versions, water flow can be stopped while the unit is in a thermo-off state, saving on pump energy consumption. For twinned systems, both modules must be thermo-off to stop water flow
- ▶ A1 water-source units feature the Variable Evaporating Temperature (VET) technology enables the W-Series unit to raise the target evaporation temperature based on the difference between set point and return air temperature, saving energy

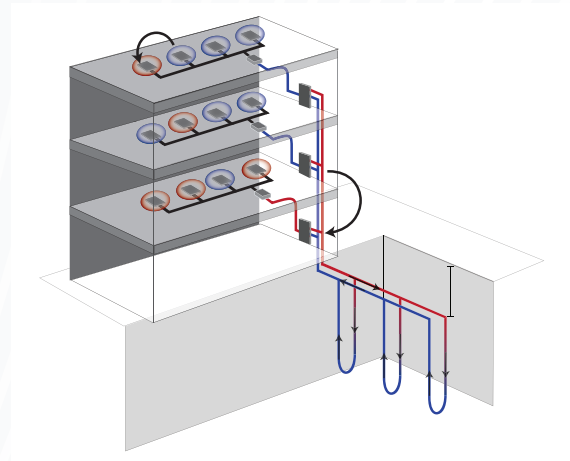
Benefits

CITY MULTI SYSTEMS AND GEOTHERMAL APPLICATIONS

CITY MULTI water-source systems, used in geothermal and other types of applications, work by taking heat or rejecting 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, the loop runs at temperatures lower than ambient temperatures throughout the cooling season and higher than ambient temperatures throughout the heating season.

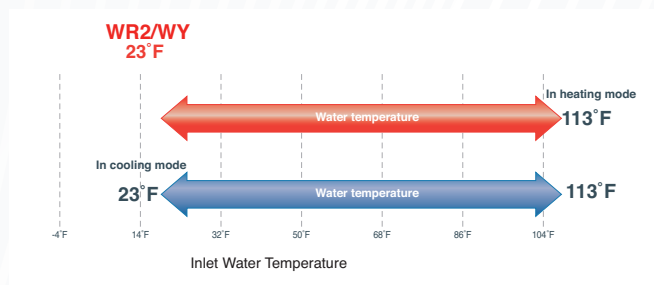
DOUBLE-HEAT RECOVERY

The double-heat recovery feature of the WR2-Series helps recover energy that would normally be rejected to the condensing water loop. First, within the system, energy is absorbed in units providing cooling. The energy is redirected by refrigerant to units that are in heating mode. Secondly, energy can be recovered between systems through the water loop.



EXTENDED TEMPERATURE RANGE

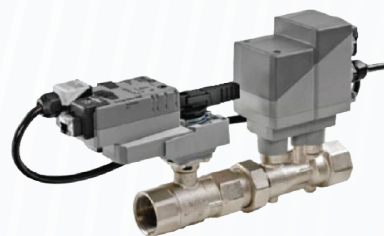
WR2- and WY-Series CITY MULTI® water-source units can handle entering water temperatures down to 23° F (with the addition of glycol to the condenser water loop) in both heating and cooling mode allowing more possibilities for geothermal applications. Coupling the water-source units with a geothermal loop will not only provide the benefit of higher efficiencies by using a lower entering water temperature but will also provide all the benefit of an INVERTER-driven CITY MULTI system.



VARIABLE EVAPORATING TEMPERATURE (VET)

Variable Evaporating Temperature (VET) technology enables the outdoor unit to raise the target evaporation temperature based on the difference between set point and return air temperature.

- ▶ Once all indoor units are within 1.8° F of set point, the target evaporating temperature will rise in a linear fashion the closer the indoor unit gets to set point.
- ▶ Four levels of VET are available (32° F, 37° F, 41° F and 43° F), offering energy efficiency improvements of 25%–45%.



ELECTRONIC PRESSURE INDEPENDENT VALVE (ePIV)

- ▶ The ePIV receives a 0–10V input signal from the outdoor unit. This allows water flow to vary from nominal down to minimum, as demand is reduced
- ▶ The valve eliminates power input penalties and capacity loss due to lower design flow at full load operation, while saving on pump energy at reduced load conditions
- ▶ The valve contains a built-in ultrasonic flow meter with direct feedback into the valve actuator. This eliminates the balancing valve, along with labor to install it, for minimum and maximum flow and provides an integral flow switch function

LOW AMBIENT COOLING KIT

FULL COOLING PERFORMANCE IN EXTREME CONDITIONS

The specially designed wind deflectors will block unwanted wind that could impede operation and will allow full airflow when required at higher ambient temperatures or in heating mode. The assembly also provides a more efficient defrost cycle when the unit is operating in heating mode. Complete Low Ambient Kit requires hood with control damper assembly and wind deflectors.



PATENTED TECHNOLOGY

Low ambient hood (LAHN-1, LAHN-2, LAHN-3, and LAHN-4), Side Deflector (SWDN-1), and Rear Deflector (WDN-1, and WDN-2).

Allows system to operate at 100% cooling capacity at reduced outdoor temperatures:

- ▶ Y-Series Outdoor Units (down to -10° FDB Outdoor Temp.)
- ▶ R2-Series (includes H2i® R2-Series) Outdoor Units (down to -10° FDB Outdoor Temp.)

ADDITIONAL FEATURES

- ▶ Hood and wind deflectors constructed of 20 gauge hot-dipped galvanized G-90 steel
- ▶ Heavy-duty polyester-based powder paint finish
- ▶ Designed to work with both 208/230 and 460V 3-phase units
- ▶ NEMA 4X control box protects electrical components from the elements
- ▶ Kit easily connects to outdoor unit with plug-in electrical connections
- ▶ Wind deflectors easily install in place of existing wire guard

APPLYING TO MULTIPLE OUTDOOR UNITS

For outdoor units with multiple modules, a minimum 1-3/16" separation between the modules is recommended. If modules are placed more than 15" apart, more than one set of side wind deflectors may be needed. For multiple units or module sets placed in a row, only one side wind deflector is needed for each of the outside module coil surfaces.

COLD WEATHER SOLUTIONS



LOW AMBIENT COOLING (LAHN SERIES)

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. With the addition of wind deflectors, CITY MULTI® Y-Series and R2-Series outdoor units feature 100% cooling capacity at outdoor temperatures down to -10° F. The wind deflector kit easily installs in the place of the existing wire guard, and the hood connects to the outdoor unit with plug-in electrical connections.



HAIL/SNOW GUARDS (SGN SERIES)

Designed to protect the outdoor unit coil surfaces from hail damage or snow buildup in severe climates. Made of 20-gauge, hot-dipped galvanized G-90 steel, the hail/snow guards feature a heavy-duty polyester-based powder paint finish to match the outdoor units. Using existing wire guard fasteners, the hail/snow guards are easily installed to the sides and rear of the unit in just minutes.

SGK-Series is compatible with N-Generation.



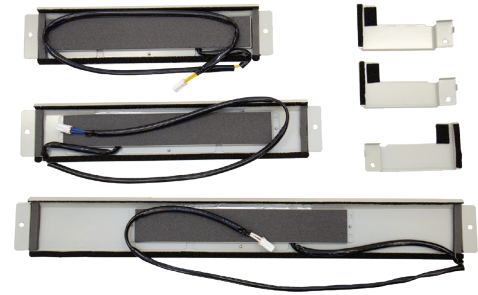
HAIL/SNOW HOODS (SHN AND SHK SERIES)

Hail/snow hoods are made to the same specifications as the hail/snow guards, and protect the 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. Hail/snow hoods are sold separately.

N-GENERATION PANEL HEATERS

Mitsubishi Electric panel heaters feature a heating coil controlled by the CITY MULTI® outdoor unit which prevents ice buildup. The panel heater is ideal for low temperature, high humidity environments where the outdoor unit will be operating in heating mode for an extended period of time. Panel heaters connect to the wiring connector located in the side channel of all CITY MULTI® N-Generation Y-Series and R2-Series modules. Pre-installed panel heaters are included on all N-Generation Hyper-heating models.

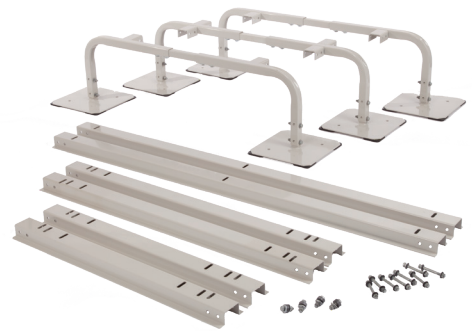
Note: Snow hoods and side/rear snow guards are also recommended for installations with panel heaters.



N-GENERATION PANEL HEATERS

COLD WEATHER STANDS AND SUPPORTS

Mitsubishi Electric features multiple configurations of stands and supports for S-Series, and CITY MULTI outdoor units. The sturdy stands and supports are designed to keep the outdoor unit above or off the ground and away from snow drifts in cold weather climates.



SUPERSTANDS

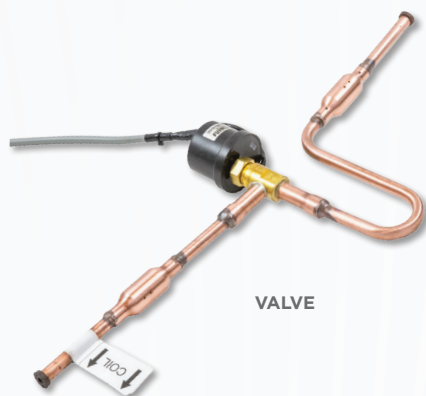
SuperStands provide secure mounting support and height above ground to keep CITY MULTI outdoor units out of normal snow accumulations. Available in 12", 18", and 24" leg heights for varying mounting options. The stands lock together to make one continuous interlocked stand for almost any number of outdoor units.

- ▶ Rubber roof friendly
- ▶ Adjustable height in ¼" and ½" increments.
- ▶ U-Bars made from 11 gauge steel square tubing
- ▶ Available leg heights: 12", 18", and 24"

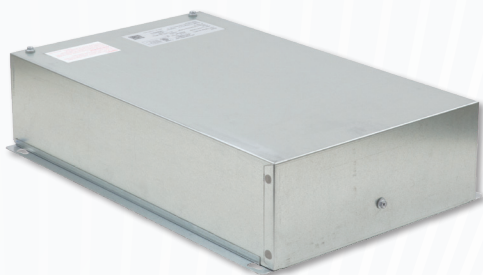
Outdoor unit must be mounted at least 12" off the ground or 12" above the highest average snow depth, whichever is greater. The outdoor unit may require additional mounting restraints depending on the mounting location.



LINEAR EXPANSION VALVE (LEV) KIT



VALVE

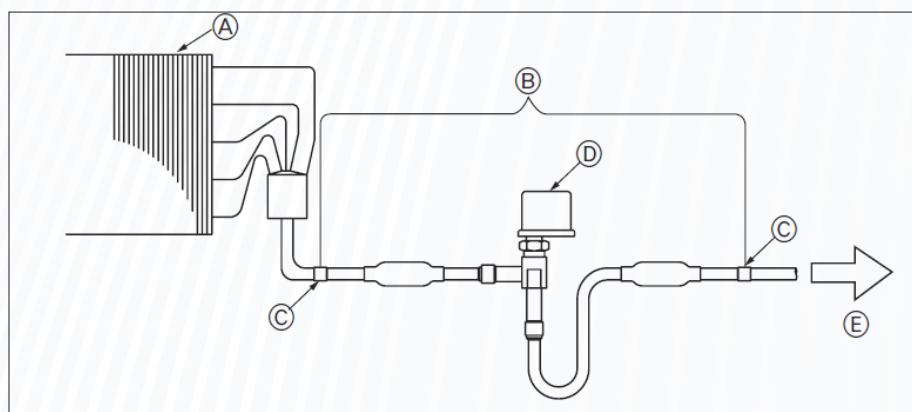


CONTROL BOX

- ▶ The LEV kit is an interface to connect CITY MULTI® outdoor units to air handlers produced by other manufacturers. These air handlers can be used with or without CITY MULTI indoor units
- ▶ The LEV kit is used to control room temperature or with a Dedicated Outdoor Air System (DOAS) for discharge temperature control
- ▶ The kit can be used for 0-10 VDC set point control from other devices
- ▶ The kit can be used with all CITY MULTI control options, including CN105 connections (return air temperature control only)

| LEV Assembly Model* | Capacity Code Setting [Ton] | Design Capacity Range [Btu/h] |
|------------------------|-----------------------------|-------------------------------|
| LEV PAC-LV24AC-1 | 0.5, 0.7, 1, 1.25, 1.5, 2 | 4,800-24,000 |
| LEV PAC-LV48AC-1 | 2.25, 2.5, 3, 4 | 24,000-48,000 |
| LEV PAC-LV60AC-1 | 4.5, 5 | 48,000-60,000 |
| LEV PAC-LV96AC-1 | 6, 8 | 60,000-96,000 |
| LEV PAC-LV120AC-1 | 10 | 96,000-120,000 |
| LEV PAC-LV96AC-1 (x2) | 12, 14, 16 | 120,000-192,000 |
| LEV PAC-LV120AC-1 (x2) | 18, 20 | 192,000-240,000 |

*Control box assembly required (PAC-AH001-1)



- Ⓐ AHU Heat Exchanger (field supplied)
- Ⓑ LEV Assembly
- Ⓒ Brazing
- Ⓓ LEV
- Ⓔ To Outdoor Unit

S-SERIES ACCESSORIES

S-Series accessories feature the latest in high quality, durable products designed to complement outdoor units and to maintain peak performance and with limited maintenance.

ADV-1 AIR DEFLECTOR VERTICAL

The S-Series air deflector changes the direction of the discharged air. This permits multiple outdoor units to be positioned closer together in applications with limited space.



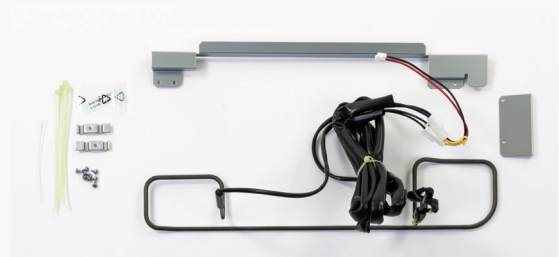
FRONT WIND BAFFLE

The specifically designed S-Series front wind baffles block unwanted wind that could impede operation by preventing the fan from counter-rotating in windy conditions. The addition of a front wind baffle to the cabinet of the outdoor unit also extends the cooling capacity. This component is constructed to be durable and low maintenance.



BASE PAN HEATER

S-Series base pan heaters feature a heating coil controlled by the outdoor unit which prevents ice buildup. The base pan heater is ideal for low temperature, high humidity environments where the outdoor unit will be operating in heating mode for an extended period of time.



AIR OUTLET GUIDE

The air outlet guide is used to force air out of the outdoor unit, either upward, downward or sideways (to the left or to the right). It can be used to prevent the outdoor unit from short cycling the exhaust air. It also enables the outdoor unit to be mounted closer to a wall or other outdoor units. Used on the S-Series only.





INDOOR UNITS

*PKFY Wall-mounted/PLFY Ceiling Cassette/PMFY Ceiling Cassette /
PCFY Ceiling-suspended/PEFY Ceiling-concealed Ducted /
PFFY Floor-standing/PVFY Multi-position*

UBER ADVANCED TECHNOLOGIES GROUP
PITTSBURGH, PA



INDOOR UNIT SHOWCASE

Complete Building Comfort Solutions

All models feature quiet operation, easy maintenance, and the ultimate in personalized comfort control. The chart below gives the capacity size for each model.

| Capacity Code | Nominal Btu/h | | | | | | | | | | | | | | |
|---|---------------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 4,000 | 5,000 | 6,000 | 8,000 | 12,000 | 15,000 | 18,000 | 24,000 | 27,000 | 30,000 | 36,000 | 48,000 | 54,000 | 72,000 | 96,000 |
| Wall-Mounted PKFY-P-NLMU-E  | • | | • | • | • | • | • | | | | | | | | |
| Wall-mounted PKFY-P-N-MU-E  | | | | | | | | • | | • | | | | | |
| Ceiling Cassette (4-way) PLFY-EP-NEMU  | | | • | • | • | • | • | • | | • | • | • | | | |
| Ceiling Cassette (4-way) PLFY-P-NFMU  | | • | | • | • | • | • | | | | | | | | |
| Ceiling Cassette (1-way) PMFY-P-NBMU  | | | • | • | • | • | | | | | | | | | |
| Ceiling-Suspended PCFY-P-NKMU  | | | | | | • | | • | | • | • | | | | |
| Ceiling-Concealed (Ducted Low-Profile) PEFY-P-NMSU  | | | • | • | • | • | • | • | | | | | | | |
| Ceiling-Concealed (Ducted Medium-Static) PEFY-P-NMAU  | | | • | • | • | • | • | • | • | • | • | • | • | | |
| Ceiling-Concealed (Ducted High-Static) PEFY-P-NMHU/NMHSU  | | | | | | • | • | • | • | • | • | • | • | • | • |
| Floor-Standing (Exposed/ Concealed) PFFY-P-NEMU/NRMU  | | | • | • | • | • | • | • | | | | | | | |
| Multi-Position PVFY-P-NAMU  | | | | | • | | • | • | | • | • | • | • | | |
| PWFY-P-NMU-E2-AU PWFY-P-NMU-E-BU  | | | | | | | | | | | • | | | • | |

Elegant design and compact dimensions

Whatever the size or shape of your room, there's a PKFY wall-mounted unit that is just right for you. PKFY units mount high on the wall and blend beautifully into any space. Perfect for hotels, assisted living facilities, offices, residences and other applications where wall space is available.



- ▶ Ranges from 4,000 to 30,000 Btu/h
- ▶ Compact, lightweight and features a built-in wireless sensor for use with an optional wireless remote controller
- ▶ Extremely quiet: as low as 22 dB(A)
- ▶ Multiple fan speed settings.
- ▶ Multiple vane settings and swing setting adjust airflow in vertical directions
- ▶ Front panel opens easily—no tools are needed to gain access to the filter
- ▶ Refrigerant and drain piping can be connected from the rear, right, base, or left of the unit
- ▶ Condensate pump systems are available when gravity drainage is not available

Benefits

EASY FILTER CLEANING

The front grille hinges open easily—no tools are needed to gain quick access to the filter. The filter can be removed and cleaned as needed.

QUIET OPERATION

The unit incorporates a random-pitch fan to assure quiet operation. The optimal design of the airflow passage features a small fan diameter to allow for a compact installation. Thanks to practical casing configuration, airflow generated by the fan is uniformly distributed.

SUPERIOR AIR DISTRIBUTION

A user-selectable vane swing setting with the Smart ME and Simple MA remote controllers enhances air distribution in the conditioned space.

FLEXIBLE INSTALLATION

Refrigerant and drain piping can be connected from the rear, right, base, or left of the unit, providing much greater flexibility for piping and selecting an installation site.

PLFY (Four-Way Ceiling Cassette)

Bringing Adjustable airflow to meet your every need

The PLYF-Series four-way ceiling cassette provides exceptional performance and air coverage. Two styles are available: the PLYF-EP-NEMU and the PLYF-P-NFMU. Both models can be accessorized with installation trim panels (PLYF-ITP1 and PLYF-ITP2) to ensure a seamless integration into suspended ceilings.

PLYF-EP-NEMU



- ▶ 33" x 33" cabinet size
- ▶ Capacity range of 6,000 to 48,000 Btu/h
- ▶ Sound levels as low as 27 dB(A)
- ▶ Ventilation air connection (Second connection found in multifunction casement)
- ▶ High-efficiency filter option (MERV-10 requires multifunction casement)
- ▶ Branch ducting capability
- ▶ Four-speed fan settings
- ▶ Integrated condensate lift mechanism to provide up to 33-7/16" of lift

PLYF-P-NFMU



- ▶ 22" x 22" cabinet size to fit in standard T-grid ceiling
- ▶ Capacity range of 5,000 to 18,000 Btu/h
- ▶ Sound levels as low as 29 dB(A)
- ▶ Ventilation air connection
- ▶ Three-speed fan settings
- ▶ Integrated condensate lift mechanism to provide up to 19-11/16" of lift

HIGH PERFORMANCE AND VERSATILITY

The four-way ceiling cassette is compact and recesses easily into a ceiling space, so all you see is an attractive flush-mounted grille. The PLFY-EP-NEMU has a unit height of only 10-3/16" or 11-3/4", depending on the model. At 8-3/16" in height and 22-7/16" x 22-7/16" width, the PLFY-NFMU makes satisfying even the tightest of ceiling installations a possibility.

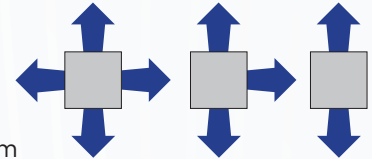
QUIET OPERATION

This powerful indoor unit is whisper-quiet, down to 27 dB(A) for the PLFY-EP-NEMU and 29 dB(A) for the PLFY-NFMU.

CUSTOMIZE THE AIRFLOW PATTERN TO MEET YOUR NEEDS

The different airflow options provide the best solution for a variety of room layouts and air-conditioning requirements. For extra versatility, you can select up to 72 airflow patterns with two-, three-, or four-way airflow.

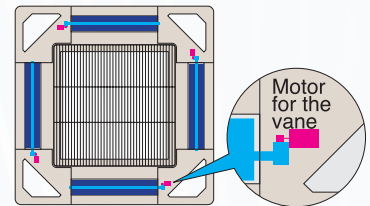
4-, 3-, OR 2-WAY AIRFLOW



FIXED AIRFLOW DIRECTION PER VANE

BUILT-IN CONDENSATE LIFT MECHANISM

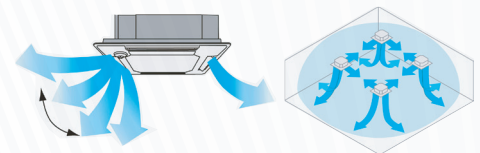
The drain piping of the PLFY-EP-NEMU can be positioned anywhere up to 33-7/16" from the ceiling's surface, allowing for long piping and versatility. The PLFY-NFMU model has a built-in pump that lifts condensate 20" from the ceiling's surface. The unit recognizes if there is a pump failure and safeguards against leaks.



CORNER-POCKET DESIGN SIMPLIFIES MAINTENANCE AND INSTALLATION

PLFY-EP-NEMU allows access through the pockets equipped on each of four corners of the grille to complete installation, maintenance work, and height adjustment.

INDEPENDENT VANE MOTOR CONTROL



EASY MAINTENANCE, LONG-LIFE FILTER

The washable filter provides about 2,500 hours of use in a normal office environment before cleaning is needed.

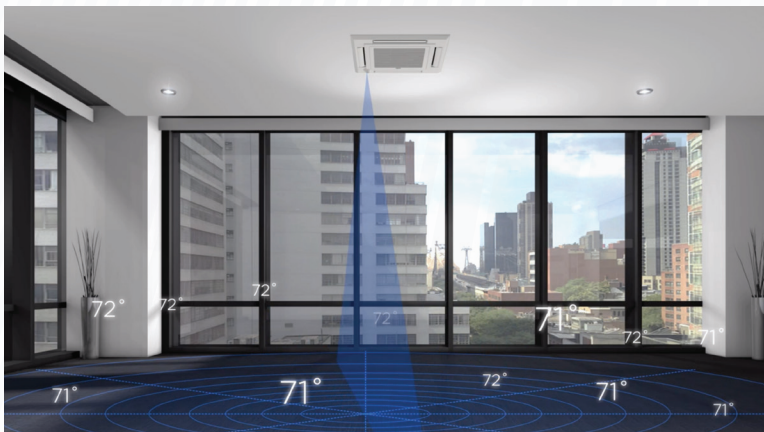


i-see Sensor



The 3D i-see Sensor™ detects the number of occupants in a room and adjusts the temperature accordingly, making automatic energy-saving operation possible in places where the number of occupants frequently changes. Additionally, when the area is continuously unoccupied, the system switches to an enhanced power-saving mode.

- ▶ Detects occupant location
- ▶ Detects size, temperature, and movement of occupants (heat source). Once an occupant is detected, the angle of the indoor unit's vane(s) is automatically adjusted. Each vane can be independently set to "Direct Airflow" or "Indirect Airflow" according to user preference
- ▶ Highly accurate temperature detection
- ▶ The sensor can detect 1,856 points of surface temperature, rotating a full 360° in 3-minute intervals
 - This is a significant improvement over the previous version of the i-see Sensor, which had a single element and did not detect room occupants
- ▶ Room occupancy energy-saving mode
 - When the occupancy rate is approximately 30%, energy consumption is reduced by offsetting the temperature by $\pm 2^{\circ}$ F
- ▶ No occupancy energy-saving mode
 - When the 3D i-see Sensor detects that no one is in the room, and 60 minutes have elapsed, the room temperature is offset by $\pm 4^{\circ}$ F
- ▶ No occupancy Auto-OFF mode
 - When the room remains unoccupied for a user specified period of time, the indoor unit turns off automatically, providing even greater energy savings. The time period can be set, in 10-minute intervals, from 60 to 180 minutes



Compact and lightweight, perfect for office spaces with windows

The PMFY model is a ductless, one-way, ceiling cassette that moves air in one direction, and has the capability of introducing ventilation air. The PMFY can be accessorized with an installation trim panel (PMFY-ITP1) to ensure a seamless integration into suspended ceilings.



- ▶ The PMFY is available in 6,000, 8,000, 12,000 and 15,000 Btu/h
- ▶ Standardized cabinet size for all models: 31-31/32"
- ▶ Airflow control technology operates as low as 27 dB(A) for industry-leading quiet performance
- ▶ Integrated condensate lift mechanism to provide up to 23-5/8" of lift
- ▶ Full unit access through front cover panel

Benefits

QUIET OPERATION

Specialized airflow control technology operates as low as 27 dB(A) for industry-leading sound performance.

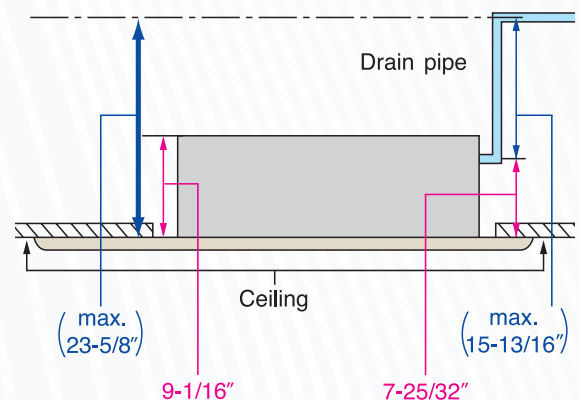
BUILT-IN CONDENSATE LIFT MECHANISM

The drain pipe can be extended anywhere up to 23-5/8" above the ceiling's surface.

EASY INSTALLATION AND MAINTENANCE

PMFY body size has been standardized for all models at 31-31/32" for easier installation. With a height of only 9-1/16", the profile is one of the smallest of all CITY MULTI ceiling models. This unit is one of the lightest available with a weight of only 31 pounds for the main unit and seven pounds for the panel.

DRAIN MECHANISM



PCFY (Ceiling-Suspended)

Compact design ideal for classrooms, restaurants and stores

The PCFY model features powerful air throw to cover entire spaces quietly and efficiently.



- ▶ Available in 15,000, 24,000, 30,000, and 36,000 Btu/h capacities
- ▶ Auto-vane and wide-range outlet provides uniformly distributed conditioned air to all corners of the room
- ▶ Four-speed fan settings
- ▶ Accessory filters are available to increase filtration effectiveness
- ▶ Optional pump kit is available for condensate removal

Benefits

POWERFUL PERFORMANCE

The easy-to-install, ceiling-suspended unit delivers enough cold or hot air to make any space more comfortable. Manually adjusted, oversized swing louvers direct the airflow left or right, covering the entire space quietly and efficiently.

THE I-SEE T ACCESSORY

This amazing technology constantly monitors and adjusts temperatures for maximum comfort and efficiency.

- ▶ Measures infrared rays generated from surrounding walls and surface angles
- ▶ Rotates 90 degrees in five-second intervals
- ▶ Efficiently adjusts temperatures to ideal comfort levels for occupants

QUIET, EFFICIENT AIRFLOW

Appropriate airflow can be selected to enhance space conditioning efficiency and comfort while operating at a low sound level. PCFY's auto-vane and wide-range outlet swings the conditioned air and distributes it uniformly to all corners of the room.

EASY INSTALL

The PCFY's direct suspension allows installation on most ceiling surfaces quickly and securely using only suspension bolts and the durable attachment fixture. An optional pump kit is available to dispose of condensate.

PEFY (Ceiling-Concealed Ducted)

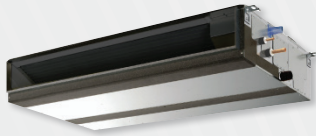
Flexible design allows elegant interior layout

The PEFY models are high-performance, ceiling-concealed, ducted indoor units. An excellent choice for office buildings, schools, hotels, assisted-living facilities and other applications where ceiling space is available.



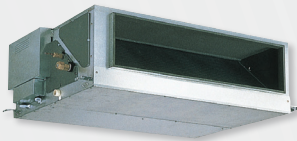
LOW PROFILE (NMSU)

- ▶ Provides up to 0.2" external static pressure
- ▶ Extremely quiet, with sound ratings as low as 26 dB(A)
- ▶ Capacities range from 6,000 to 24,000 Btu/h
- ▶ Integrated condensate lift mechanism to provide up to 21-11/16" of lift



MEDIUM STATIC (NMAU)

- ▶ Provides up to 0.6" external static pressure
- ▶ Extremely quiet, with sound ratings as low as 26 dB(A)
- ▶ Capacities range from 6,000 to 54,000 Btu/h
- ▶ Integrated condensate lift mechanism to provide up to 27-9/16" of lift



HIGH STATIC (NMHU-E2/NMHSU)

- ▶ Provides up to 1.00" external static pressure
- ▶ Extremely quiet, with sound ratings as low as 36 dB(A)
- ▶ Capacities range from 15,000 to 96,000 Btu/h
- ▶ Integrated condensate lift mechanism to provide up to 27-9/16" of lift
(Note: Not applicable to P72 and P96 models)

KEY FEATURES

- ▶ External static pressure settings are adjustable to meet varying application conditions
- ▶ Choice of fan speed settings
- ▶ Side access to control panel
- ▶ Integrated condensate lift mechanism (low-static, mid-static and NMHU-E2 models)

CHOICE OF EXTERNAL STATIC PRESSURE

Additional external static pressure capacity provides flexibility for duct extension, branching, and air outlet configuration. The factory setting can be field-adjusted to match the installed ductwork for PEFY indoor units. The PEFY indoor unit is available in a low-profile option with up to 0.20" W.G., medium static indoor unit up to 0.6 W.G. and a high-static option for up to 1.00" W.G.

QUIET OPERATION

The specially designed centrifugal fan provides exceptionally quiet operation, even at high operating speeds.

OPERATING SOUND RANGE

| PEFY-P-NMAU | | P06 | P08 | P12 | P15 | P18 | P24 | P27 | P30 | P36 | P48 | P54 | |
|-------------------|--------------------|-------|-----|-------|-----|-------------|-----|-------|-----|-------|-----|-------------|--|
| Sound Level dB(A) | Fan Speed Low-High | 26-29 | | 28-34 | | 28-35 29-36 | | 30-38 | | 32-41 | | 35-44 36-45 | |

| PEFY-P-NMSU | | P06 | P08 | P12 | P15 | P18 | P24 |
|-------------------|--------------------|-------|-------|-------|-------|-------|-------|
| Sound Level dB(A) | Fan Speed Low-High | 22-28 | 23-30 | 23-35 | 28-33 | 30-37 | 30-40 |

| PEFY-P-NMH(S)U | | P15 | P18 | P24 | P27 | P30 | P36 | P48 | P54 | P72 | P96 |
|-------------------|--------------------|-------|-----|-------------|-----|-------|-----|-------|-----|-------------|-----|
| Sound Level dB(A) | Fan Speed Low-High | 34-39 | | 36-41 35-41 | | 38-43 | | 38-44 | | 36-43 39-46 | |

BUILT-IN CONDENSATE LIFT MECHANISM

The drain piping can be positioned anywhere up to 21-11/16" for NMSU or 27-9/16" for NMAU and NMH(S)U. from the ceiling's surface, allowing for long piping and versatility. A built-in safety switch halts operation if the pump experiences a problem or the drain becomes clogged, ensuring no water leaks occur.

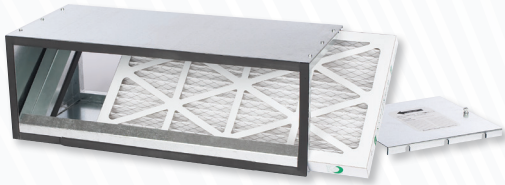
COMPACT OPTIONS (PEFY-P-NMSU)

The PEFY-P-NMSU-E model is very compact, with a height of 7-7/8". Standard features include brazed refrigerant connections, rear air return, and auto fan mode. The unit operates as low as 22 dB(A), and the control panel is located on the opposite side from other ducted models. This unit is an ideal choice for guest rooms in hotels, dormitories, assisted living centers or any application with tight vertical clearances and minimal duct work.

FILTER BOXES (M, L, H)

Designed for CITY MULTI® Ceiling-concealed Ducted Indoor Units

Low-Profile FBL1 boxes include 1"-thick pleated MERV 13 filter(s).
Medium-Static FBM2 boxes include 2"-thick pleated MERV 13 filter(s).
High-Static FBH4 boxes include 4"-thick pleated MERV 13 filter(s).



- ▶ Rated Class 2 under UL Standard 900
- ▶ Cabinet is constructed of non-insulated 20 gauge G-60 galvanized steel
- ▶ Foam gasket provides airtight connection to indoor unit and access door
- ▶ Return connection in rear easily field converted to bottom

| Part Number | Used on CITY MULTI Models | Filters Included | Net Weight (lbs.) |
|-------------|---------------------------|--|-------------------|
| FBL1-1 | PEFY-P06, P08, P12-NMSU | (1) — 13" x 25" x 1" | 12 |
| FBL1-2 | PEFY-P15, P18-NMSU | (1) — 12" x 20" x 1" (1) — 12" x 14" x 1" | 15 |
| FBL1-3 | PEFY-P24-NMSU | (3) — 12" x 20" x 1" | 18 |

| Part Number | Used on CITY MULTI Models | Filters Included | Net Weight (lbs.) |
|-------------|---------------------------|--|-------------------|
| FBM2-1-A | PEFY-P06, P08, P12-NMAU | (1) — 14" x 25" x 2" | 20 |
| FBM2-2-A | PEFY-P15, P18-NMAU | (1) — 14" x 20" x 2" (1) — 14" x 14" x 2" | 26 |
| FBM2-3-A | PEFY-P24, P27, P30-NMAU | (2) — 14" x 20" x 2" | 32 |
| FBM2-4-A | PEFY-P36, P48-NMAU | (2) — 14" x 20" x 2" (1) — 14" x 14" x 2" | 41 |
| FBM2-5-A | PEFY-P54-NMAU | (3) — 14" x 20" x 2" | 46 |

| Part Number | Used on CITY MULTI Models | Filters Included | Net Weight (lbs.) |
|-------------|---------------------------|--|-------------------|
| FBH2-1 | PEFY-P15, P18, P24-NMHU | (1) — 20" x 24" x 2" | 14 |
| FBH2-2 | PEFY-P27, P30-NMHU | (1) — 20" x 16" x 2", (1) — 20" x 20" x 2" | 24 |
| FBH2-3 | PEFY-P36, P48 P54-NMHU | (2) — 20" x 20" x 2" | 27 |
| FBH4-4 | PEFY-P72, P96NMHSU | (2) — 24" x 24" x 4" | 40 |

PFFY (Floor-Standing)

Effectively use perimeter areas for space conditioning

PFFY floor-standing models are available as exposed or concealed indoor units. At less than nine inches deep, these units are easy to install in peripheral spaces, yet offer highly efficient cooling and heating performance. Their low operating sound and compact size make them ideal for hotel rooms, schools and office buildings.



PFFY-P-NRMU
Concealed Type

- ▶ PFFY-NRMU—designed for applications requiring a built-in, concealed, floor-standing unit
- ▶ The PFFY-P-NRMU unit can be field converted from top discharge to front discharge



PFFY-P-NEMU
Exposed Type

- ▶ PFFY-NEMU—exposed-type model, perfect for most applications and requires no finish work
- ▶ Available in 6,000, 8,000, 12,000, 15,000, 18,000 and 24,000 Btu/h
- ▶ Two-speed fan settings

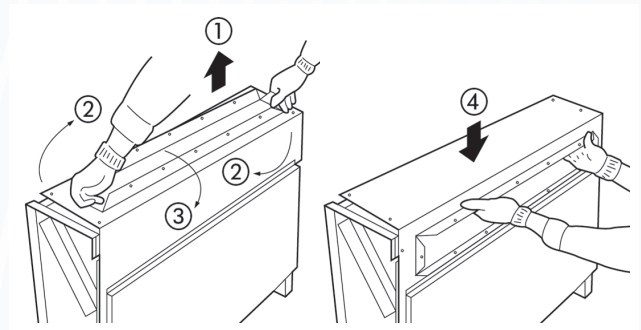
Benefits

OPTIONAL MOUNTING FOR REMOTE CONTROLLER

PFFY units can house a remote controller in the top corner (under a cover panel). The remote controller can be mounted on the wall or in the PFFY unit.

INSTALLATION FLEXIBILITY

The PFFY-P-NRMU-E unit can be field converted from top discharge to front discharge to increase installation flexibility.



PVFY (Multi-Position Air Handler)

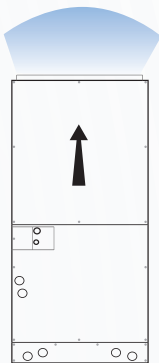
Ideal for closet, attic, or equipment room installations

PVFY multi-position air handlers can be connected to a system with other CITY MULTI® indoor units for complete system design flexibility. The multi-position design is suitable for any application, making it ideal for installation in a closet, attic, or an equipment room.

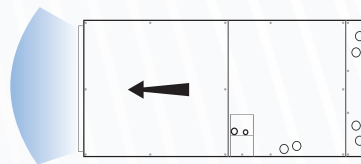


- ▶ Selectable external static pressure up to 0.80
- ▶ Reusable standard-size 1" filter
- ▶ Side return available (P12-P24 only)
- ▶ Unique cabinet insulation design allows for no thermal penetration into the coil section
- ▶ Cabinet can be disassembled to install in very tight spaces
- ▶ Heavy gauge, high-gloss powder coat finish steel cabinets with 1" fiberglass-free foam insulation (R-4.2 insulation value)
- ▶ Accessories available for various custom applications, including two-stage auxiliary heat, fan speed indication, humidifier control, and more
- ▶ Cabinet sections are embossed with fan, coil, and other components for easy identification and maintenance

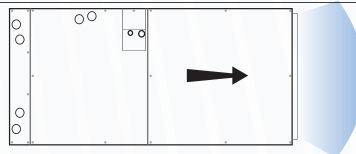
VERTICAL AIRFLOW



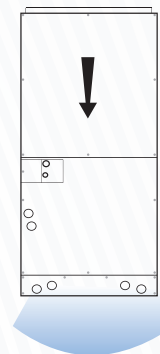
HORIZONTAL LEFT AIRFLOW



HORIZONTAL RIGHT AIRFLOW



DOWNFLOW



For downflow configurations, the CMA-1 is recommended for proper management of condensate to prevent water blowoff in certain conditions.



ELECTRIC HEATER KIT

An optional supplemental electric heat kit is available if an additional source of heat is required. Mounts directly to the air outlet connection of the multi-position air handler.

PWFY (Hydronic Heat Exchanger)

Heat and cool water, quickly and efficiently

The PWFY Hydronic Heat Exchanger is available in two configurations, the HEX (-AU) and the Booster (-BU). Each provides unique solutions to incorporate into an existing VRF system for an efficient means to heat and cool non potable water. The PWFY is a closed-circuit water heater that works with the Y-Series or R2-Series outdoor units.



Available Sizes:
36,000 and 72,000 Btu/h

PWFY-P36/72NMU-E2-AU

- ▶ Heats water to 113° F
- ▶ Hydronic heat exchanger transfers energy from refrigerant to water
- ▶ Can be used to recover waste heat from cooling operation to water when combined with any R2-Series, resulting in large energy savings
- ▶ Cools water to 41° F to be used for cooling outside air, cooling pool water, misting stations and more
- ▶ Applications include radiant heating, snow melting, reheating air, pre-heating hot water and more



Available Sizes:
36,000 Btu/h

PWFY-P36NMU-E-BU

- ▶ Heats water to 160° F
- ▶ Hydronic heat exchanger transfers energy from refrigerant to water
- ▶ Compatible with R2- and WR2-Series
- ▶ Can be used to recover waste heat from cooling operation to water, resulting in large energy savings
- ▶ Includes R134A compressor circuit for boosting water temperature
- ▶ Applications include radiant heating, hot water preheating, snow melting, reheating air, warming pools, and more

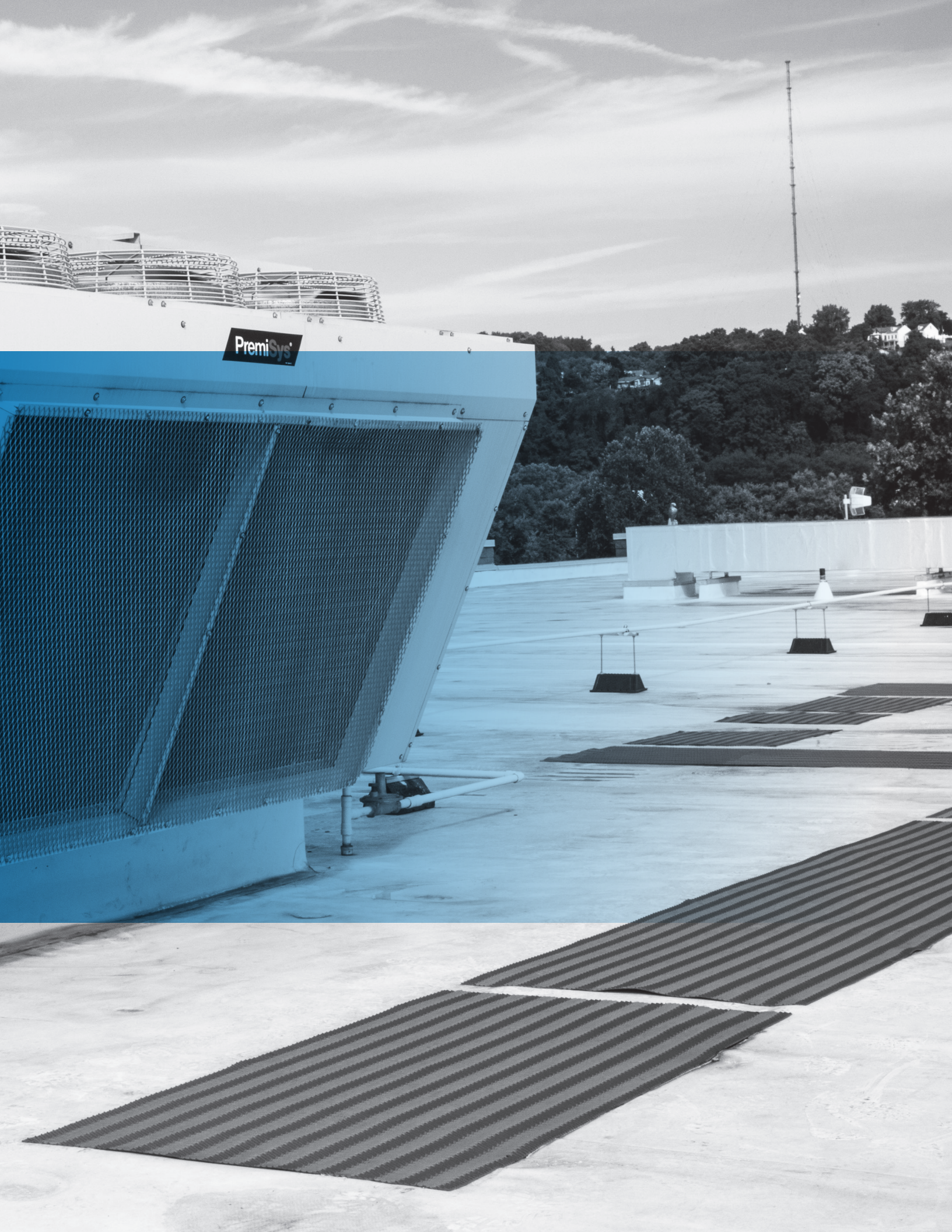




VENTILATION

PremiSys® DOAS (Dedicated Outside Air System)
Lossnay® ERV (Energy Recovery Ventilator)

UBER ADVANCED TECHNOLOGIES GROUP
PITTSBURGH, PA



PREMISYS® DEDICATED OUTDOOR AIR SYSTEM

The PremiSys series of rooftop ventilation products is a premier solution for conditioning outdoor air for commercial buildings. Designed to handle 100% outdoor air with optional energy recovery, PremiSys products offer premium features ideal for handling ventilation air in variable refrigerant flow (VRF) applications.

The PremiSys models MP and MPE (with energy recovery), are pre-engineered to provide semi-custom flexibility while maintaining the quality, consistency, and value of a standardized product.



- ▶ New Inverter Compressor option available:
 - MP-1 and MPE-1: 5-15 tons
 - MP-2 and MPE-2: 15-30 tons
 - Available at 208, 230 and 460V
 - Improves part load efficiency
 - Specifiable feature for precise temperature and humidity control
- ▶ New controls platform and web user interface for all MP, MPE and MPF models
- ▶ Carel Controller Platform Upgrades
 - Expanded points list
 - Web interface

| Unit Size | Nominal Tonnage (tons) | Height | Width | Length | Intake | Condensing Section | Nominal Weight (lbs) | Outdoor Intake | Supply Discharge | Exhaust Discharge |
|-----------|------------------------|--------|-------|--------------------------------------|--------|--------------------|----------------------|----------------|------------------|-------------------|
| MP-1 | 5-15 | 59 | 53 | 99 | 22 | 30 | 2,700 | End | Bottom or Side | N/A |
| MP-2 | 15-30 | 73 | 68 | 109 | 27 | 30 | 4,500 | | | |
| MP-4 | 20-43 | 90 | 68 | 156 | 22/27 | 30 | 6,400 | | | |
| MP-5 | 30-70 | 99.5 | 96 | 185 | 52.5 | NA ^a | 7,950 | | | Side |
| MPE-1 | 5-15 | 59 | 53 | 150 | 22 | 30 | 3,400 | | | |
| MPE-2 | 15-30 | 73 | 68 | 163 | 27 | 30 | 5,100 | | | |
| MPE-4 | 20-43 | 90 | 68 | 224 | 22/27 | 30 | 8,300 | | | |
| MPE-5 | 30-70 | 99.5 | 96 | 263 ^b 307 ^c | 47 | NA ^a | 10,450 | | | |

Notes:
^a Condensing section mounted on top of unit
^b Length with bottom return
^c Length with side return



The PremiSys series of rooftop ventilation products is a premier solution for conditioning outdoor air for commercial buildings. Designed to handle 100% outdoor air with energy recovery models, PremiSys products offer premium features ideal for handling ventilation air in VRF applications.

The PremiSys Fusion is the latest addition to the family of dedicated outdoor air systems. The MPF-1 and MPF-2 (split system with energy recovery) models are pre-engineered to provide semi-custom flexibility while maintaining the quality, consistency, and value of a standardized product. Take advantage of the split-system design to further enhance the flexibility of applying Mitsubishi Electric products to any building.

| Unit Size | Nominal Tonnage (tons) | Height | Width | Length | Intake | Condensing Section | Nominal Weight (lbs) | Outdoor Intake | Supply Discharge | Exhaust Discharge |
|-----------|------------------------|--------|-------|--------|--------|--------------------|----------------------|----------------|------------------|-------------------|
| MPF-1 | 5-12 | 59 | 53 | 150 | 22 | Remote | 3,400 | End | Bottom or Side | Side |
| MPF-2 | 10-20 | 73 | 68 | 163 | 27 | Remote | 5,100 | | | |

NEW!

LOSSNAY® ENERGY RECOVERY VENTILATORS (ERVs)

Outdoor air solutions for improved indoor environmental quality



- ▶ Lossnay core
- ▶ Over 50% enthalpy exchange efficiency
- ▶ Four fan speeds offering a wide range of airflow variations, from small to large volume
- ▶ Independent control of supply and exhaust fans
- ▶ M-NET connectivity for use with CITY MULTI® central controllers and BMS interfaces
- ▶ Sound pressure level: maximum sound level 40.5 dB(A)
- ▶ Three ventilation modes: Auto, Bypass, Heat Recovery
- ▶ DC motor requiring less than 1W/CFM for all fan speeds

Benefits

INTERLOCK

Networking systems with Mitsubishi Electric air conditioners has never been easier. The M-NET adapter comes standard, and there is no need to purchase additional parts. Systems can be assembled simply and logically, reducing construction time and keeping initial costs low.

SYSTEM COMPATIBILITY

The LGH-F-RVX series is fully compatible with our controls network, further increasing the scope of total system management.

MULTI-FUNCTION LCD REMOTE CONTROLLER

The compact and attractive remote controller with a liquid crystal display is designed for easy visibility.

- ▶ ON/OFF, Run mode, and Ventilation mode
- ▶ Filter Maintenance Display
- ▶ Controls up to 15 Lossnay units in a single group
- ▶ Night Purge
- ▶ Timer Operations

BYPASS VENTILATION STANDARD

Lossnay models offer three ventilation modes:

- ▶ Energy Recovery—Heat Exchange
- ▶ Bypass—No Exchange
- ▶ Automatic—Heat Exchange/Bypass

With conventional ERVs, bypass ventilation was impossible without attaching additional dampers and adapters. With the LGH-F-RVX series, however, this mode is available without the use of other parts. An automatic mode allows the system to select recovery or bypass as required. Mode selection is easy when interlocked with M-NET systems using the PZ-61DR-E remote controller, which is sold separately.



PZ-43SMF



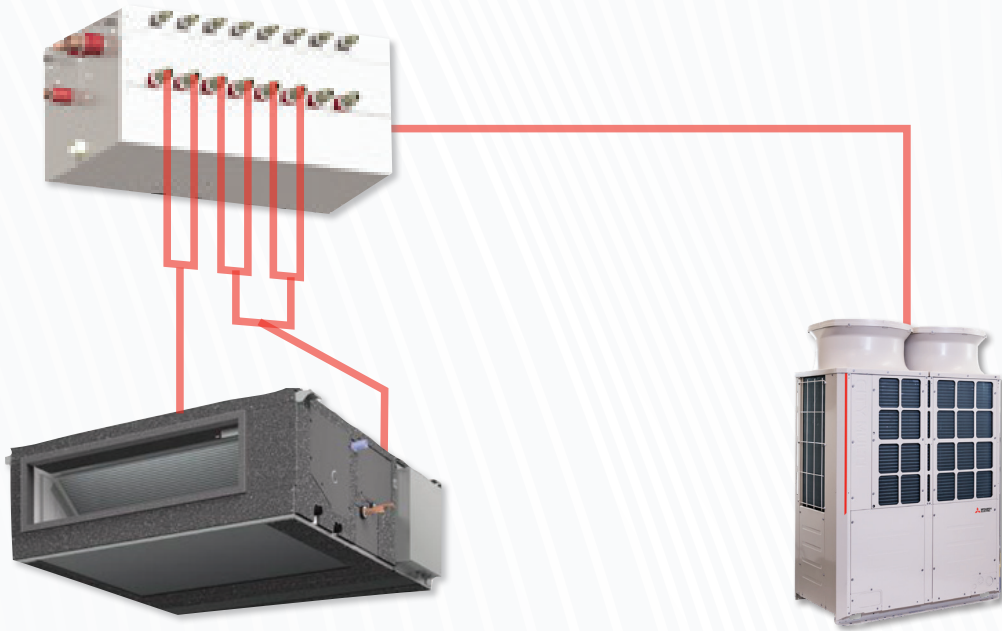
PZ-61DR-E

DEDICATED OUTDOOR AIR SYSTEM (DOAS)

Provides preconditioned outdoor air

The award-winning PEFY-AF Dedicated Outdoor Air System comes in two configurations, the CFM and the CFMR. Both configurations offer high capacity coils that will condition incoming air, making it suitable for distribution to downstream fan coil units.

CFMR



**INDOOR UNIT
PEFY-AF1200 CFMR**

**OUTDOOR UNIT
R2-SERIES**

PEFY - OA (Ducted Outside Air Unit)

Indoor air solutions for improved indoor environmental quality

The PEFY - OA is a high-performance indoor unit that improves comfort by bringing in fresh air that can be temperature controlled. Pre-treated air is then supplied to each zone, providing comfort to occupants.

The PEFY - OA is an ideal choice for office buildings, schools, hotels, assisted-living facilities and other applications where ceiling plenum space is available.



- ▶ Ideal for zoned ventilation applications
- ▶ Can be used in conjunction with standard indoor units
- ▶ Three modes of operation: cooling, heating, and fan only
- ▶ Available in 36,000, 48,000, 72,000, and 96,000 Btu/h capacities
- ▶ Supply air temperature control ranges from 50° FDB to 80° FDB in cooling mode and 63° FDB to 95° FDB in heating mode
- ▶ Operating temperature range from 63° FDB to 118° FDB in cooling mode and 14° FDB to 59° FDB in heating mode
- ▶ Multiple external static pressure set points from 0.602 to 1.00 in. W.G.
- ▶ Lineup ranges in airflow volume from 350 to 1,200 CFM
- ▶ High efficiency DC fan motor with three fan speed options
- ▶ Integrated condensate lift mechanism provides up to 27-9/16" of lift
- ▶ Compatible with CITY MULTI outdoor units excluding S-Series (PUMY)
- ▶ Optional filter box available with MERV 13 filters

CONTROLLER FOR PEFY-OA DUCTED OUTSIDE AIR UNIT

- ▶ Easy-to-use MA remote controller
- ▶ Back-lit LCD screen
- ▶ Basic operations
 - On/Off
 - Preset temperature setting: Cool, Dry, Heat, and Auto
 - Fan speed setting
 - Vane setting
 - Automatic cooling/heating operation
 - Timer: On/Off timer and Auto-off timer
 - Weekly timer
 - Energy saving: Automatic return to the preset temperature, setting the energy-saving operation schedule
 - Ventilation operation



PAR-30MAOA

INDOOR AIR QUALITY

The PEFY-OA indoor units provide conditioned outside air to a space, helping building owners, engineers and architects meet requirements for ventilation and increase indoor air quality.

QUIET OPERATION

The specially designed centrifugal fan provides exceptionally quiet operation, even at high operating speeds, down to 35 dB(A).

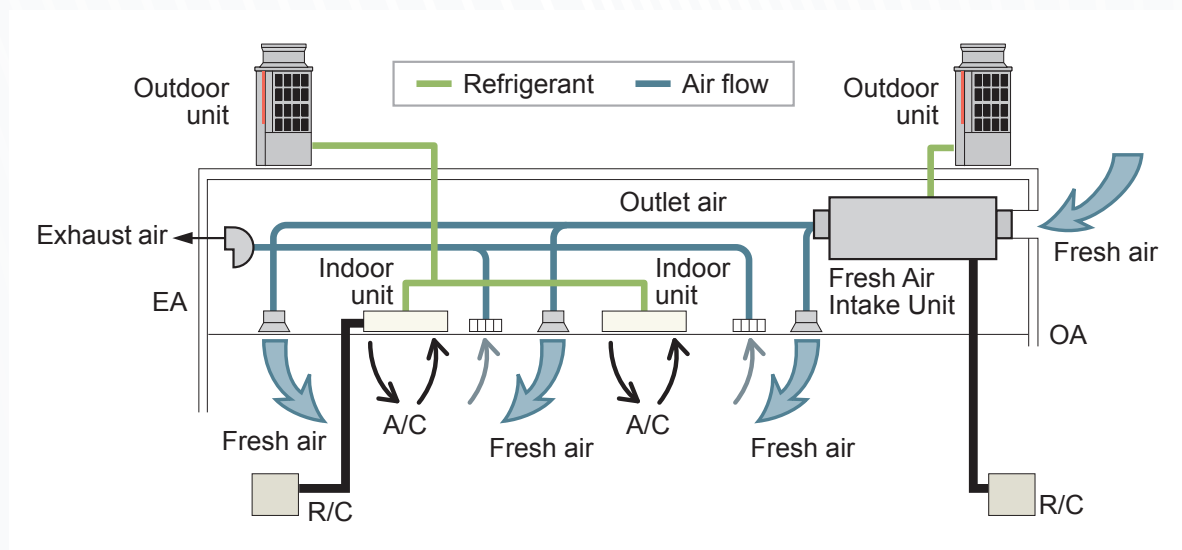
BUILT-IN CONDENSATE LIFT MECHANISM

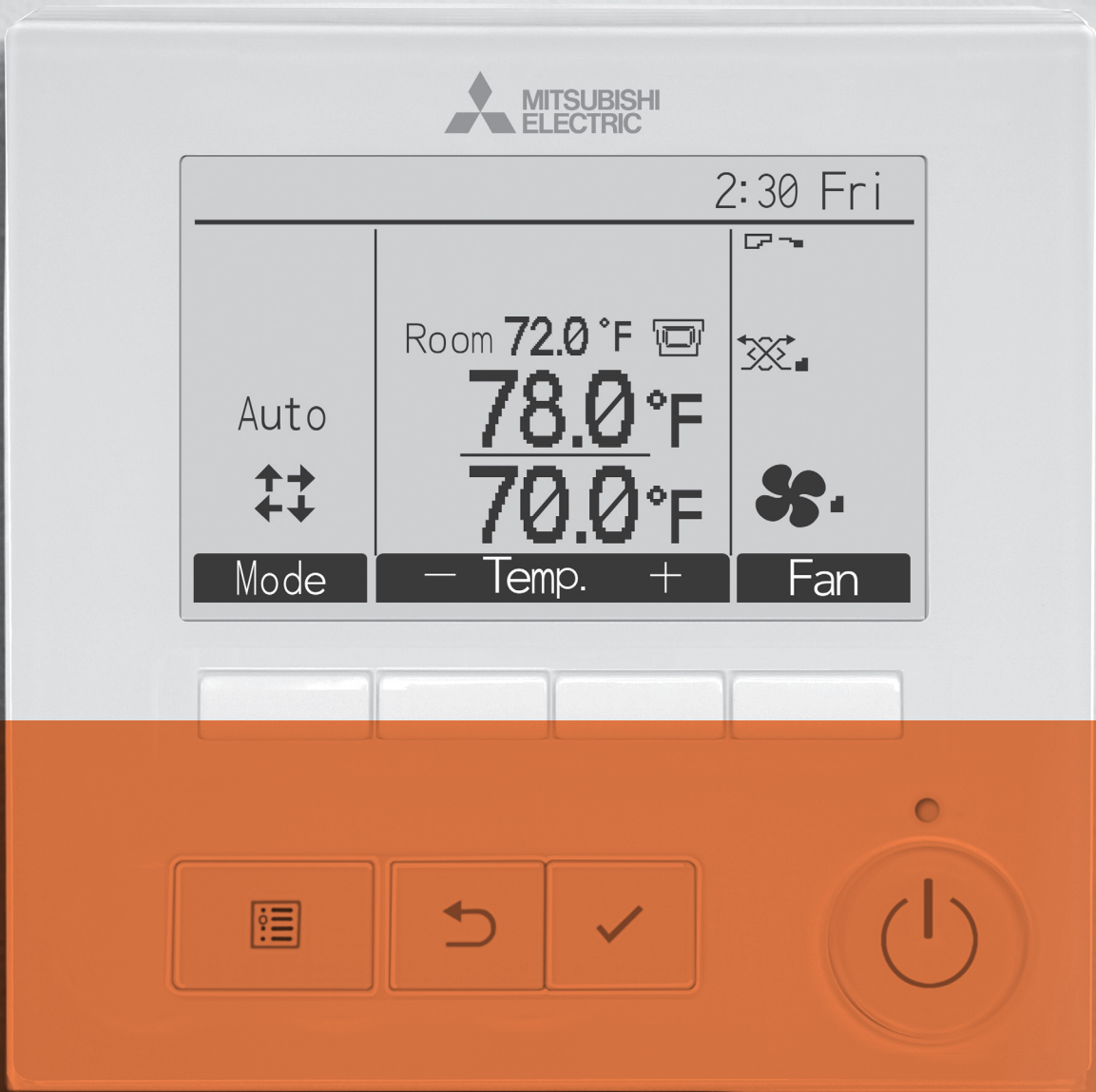
The drain pipe can be positioned anywhere up to 27-9/16" from the bottom of the unit allowing for long piping and versatility. A built in safety switch halts operation if the pump experiences a problem or if the drain becomes clogged, ensuring no water leaks occur.



CHOICE OF EXTERNAL STATIC PRESSURE

Additional external static pressure capacity provides flexibility for duct extension, branching, and air outlet configurations. The factory setting can be field-adjusted to match installed ductwork for PEFY-OA indoor units. The PEFY-OA indoor units are available with up to 1.00" W.G. external static pressure.





CONTROLS AND SOFTWARE SOLUTIONS

STUDIO GANG
CHICAGO, IL



CONTROLS NETWORK

Our CITY MULTI® Controls Network (CMCN) makes it easy to manage your building.

The Integrated Centralized Control Web (ICCW) manages up to 2,000 indoor units from a single networked PC or tablet. The ICCW puts individual, personalized comfort in the hands of the tenants and the building manager.



Benefits

FLEXIBLE DESIGN FOR CUSTOMIZED, INDIVIDUAL ZONE CONTROL

Building owners and engineers can select from a wide variety of remote controllers and other devices to satisfy the exact level of tenant control on a zone-by-zone basis, while providing the ultimate in personal comfort control. The versatility of the CMCN enables each building's controls network to address the specific design and tenant requirements, while providing unparalleled occupant comfort.

OPTIONAL EASY-TO-USE CONTROL VIA PC WEB BROWSER

From a web browser on a PC or tablet, the building manager can now monitor, operate and schedule the HVAC system through the central controller. Plus, the building manager can enable tenants to control their own individual zones via a personal web browser on their networked PC, tablet, or smartphone.

EASY INSTALLATION

The CMCN uses simple, non-polar, two-wire control connections. All components are daisy chained and added onto the M-NET communication bus. It all adds up to less labor and materials with quicker installation.

SINGLE-SOURCE CONTROL FOR UP TO 2,000 INDOOR UNITS

You can control up to 2,000 units with central controllers, empowering the building manager to control the HVAC system for multiple buildings in a business park, educational campus or retirement facility.

ENERGY ALLOCATION

A centralized controller network configured with the energy allocation option and watt-hour meter(s) can calculate the HVAC energy consumption relative to each indoor unit on a per-tenant basis and generate a CITY MULTI energy allocation per tenant. The Energy Allocation feature is available through the AE-200A/AE-50A/EW-50A centralized controllers.

SYSTEM INTEGRATION

Not only can our CMCN act as a standalone building management system, it can also integrate with existing systems via LonWorks® or BACnet®.

INTEGRATED CENTRALIZED CONTROL WEB

The Integrated Centralized Control Web (ICCW) enables the user to control multiple AE-200A/AE-50A /EW-50A centralized controllers and provide enhanced functions from any networked PC, tablet or smart phone. ICCW is capable of controlling up to 2,000 indoor units in conjunction with our centralized controllers.



ENERGY ALLOCATION

- ▶ Allocates the energy cost of the outdoor unit(s) power consumption to building tenants based on the capacity used by their indoor units
- ▶ Great for condos and multiple tenant spaces
- ▶ Requires a software license (LIC-CHARGE)

TABLET

FLOOR PLAN:



SCHEDULE:



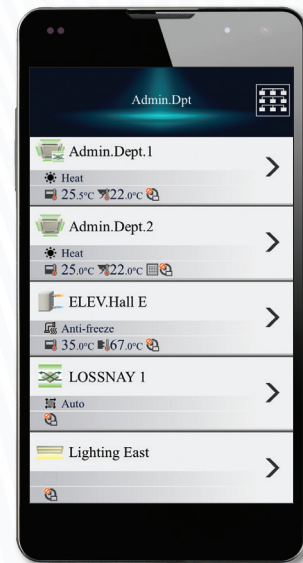
ALL GROUPS:



HOME SCREEN (TABLET):

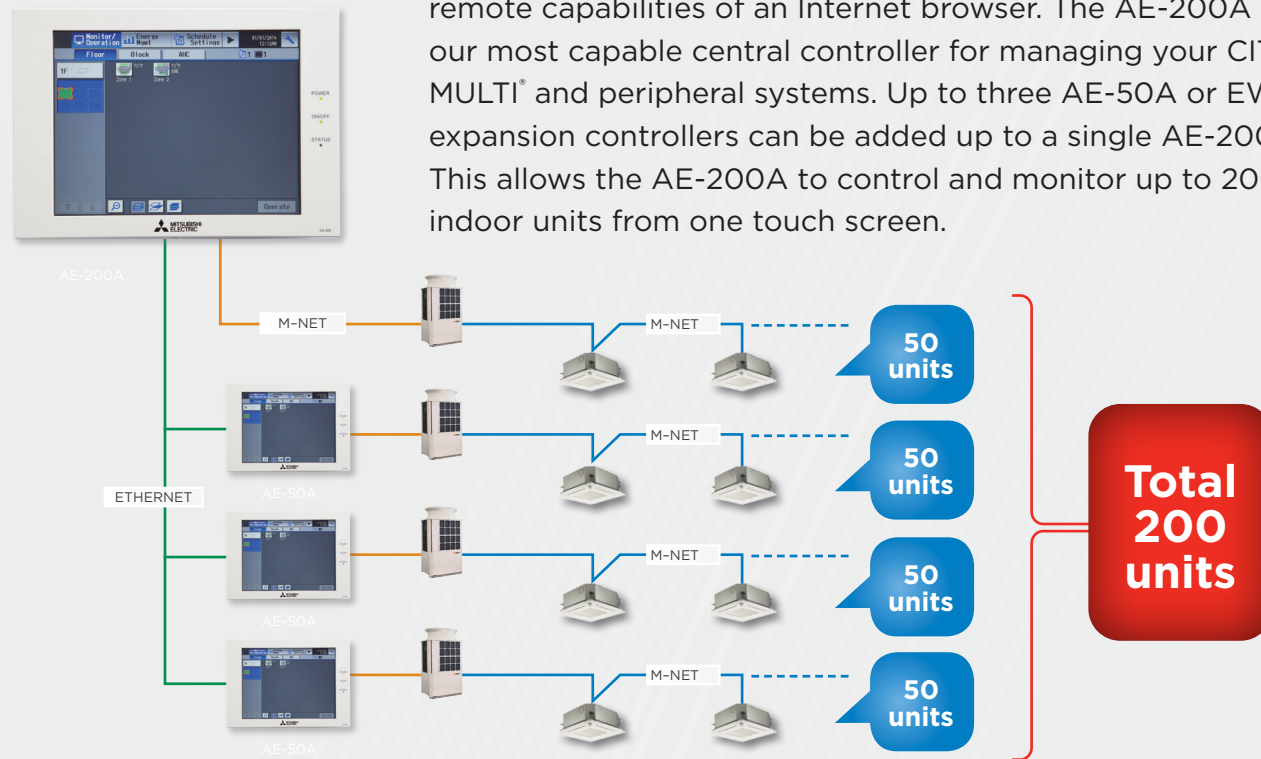


SMARTPHONE



Note: requires a license (LIC-PWEB)

AE-200A/AE-50A CENTRALIZED CONTROLLER



PROVIDE ASSISTANCE IN IDENTIFYING ENERGY SAVINGS BY COMPREHENSIVELY SHOWING THE ENERGY CONSUMPTION OF HVAC EQUIPMENT

Energy consumption of HVAC equipment by individual area is displayed graphically on the controller's interface. This enables comparisons with the previous year's power consumption as well as provides a view to performance against electric usage targets. Floor layout is displayed on the 10.4" LCD touch panel which facilitates easier operation of HVAC equipment.

ESTABLISH THE OPTIMAL SYSTEM BASED ON THE SCALE OF YOUR FACILITY

The AE-200A allows a user to control up to 50 indoor units. The AE-200A can increase its control capabilities to a maximum of 200 indoor units with the addition of three AE-50A expansion controllers. A PC or tablet connection enables the control of more than 200 indoor units via the ICCW browser.

DUAL SET POINT

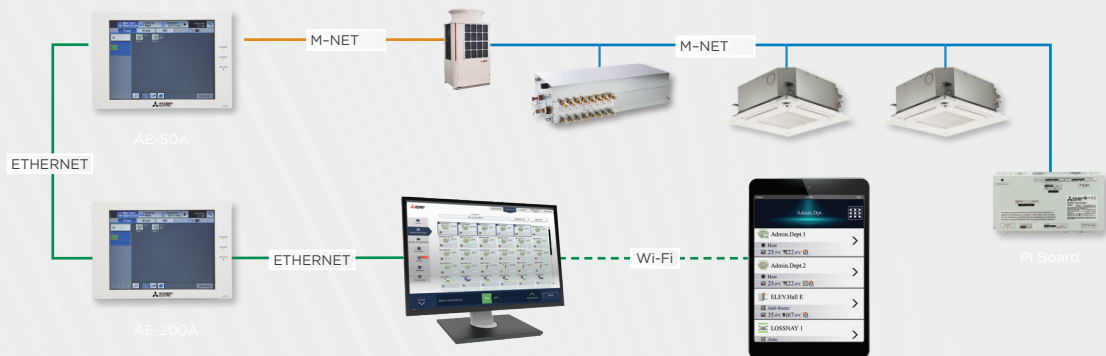
When the operation mode is set to Auto (dual set point), two preset temperatures can be set. Depending on the room temperature, the indoor unit will automatically operate in either the Cool or Heat mode to keep the room temperature within the preset range.

MONITOR AND OPERATE THE HOT WATER HEAT PUMP THROUGH THE ADDITION OF A PWFY

Centralized batch control with the PWFY is made possible through the use of an AE-200A/AE-50A.



The AE-50A centralized controller can only expand an AE-200A controller, it cannot be used by itself. Three AE-50A controllers can expand an AE-200A to monitor 200 indoor units. It features advanced functionality with expanded monitoring, control, dual set point and trending abilities.



CONTROL SCREEN FOR POWER CONSUMPTION

Energy consumption of an applicable area can be displayed by the month, day, and/or hour. Energy consumption of two different units, groups and block, can be compared within the software. The energy consumption of the fan(s) can be displayed as well.

Energy consumption of the HVAC equipment is ranked and displayed by each unique area, thus visualizing high-load components within the system. In addition, a comparison of energy consumption alongside target electric energy usage is possible.

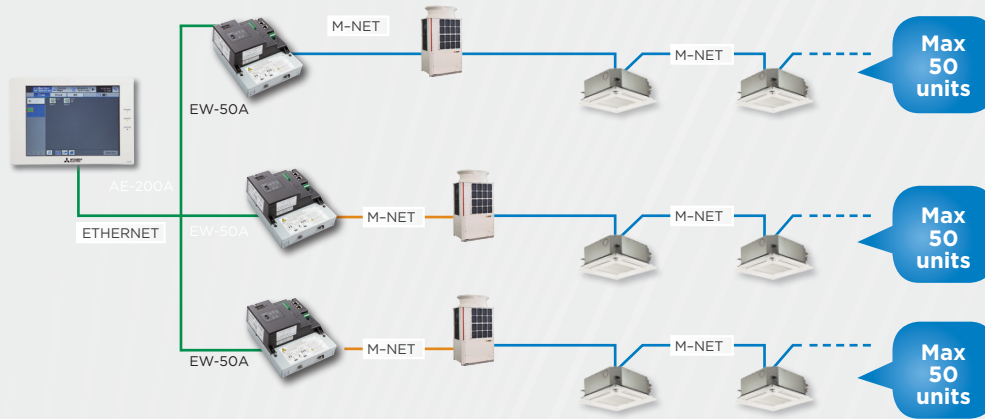
STANDARD FEATURES

| Function | Description |
|-------------------------------|---|
| Touch Screen | 10.4" high resolution color touch screen |
| Max No. of Indoor Units | Up to 200 indoor units can be controlled and monitored when three expansion controllers (AE-50A and/or EvW-50A) are networked together. |
| ON/OFF | On/Off operation for a single group and batch operation |
| Operation Mode | Setback/Cool/Dry/Auto (R2- and WR2-Series)/Fan/Heat |
| Temperature Setting | Supports single and dual set point operation with extended set temperature range |
| Fan Speed Setting | Hi/Mid-2/Mid-1 /Low/Auto (Available fan speed settings depending on indoor unit) |
| Airflow Direction Setting | Swing/Horizontal/Mid-0/Mid-1/Mid-2/Mid-3/Auto (settings vary depending on indoor unit model) |
| Permit/Prohibit Function | Individual prohibit operations for each remote controller function (ON/OFF, Set Temperature, Operation Mode and Filter Reset) |
| Indoor Return Air Temperature | Displays the measured return air temperature from each group |
| Error Indication | Displays a four-digit code and the affected unit address |
| Test Run Function | Allows indoor units to operate in test mode |
| Ventilation Interlock | Allows the group to be interlocked with Lossnay unit |
| Schedule Operation | Annual, Weekly, and Today schedules |
| External Input/Output | Inputs: Level Signal — Batch Start/Stop, Batch Emergency Stop Outputs: Start/Stop Status, Error/Normal Status |
| Power Supply | Built-in |
| Dimensions — (H x W x D) | 7-27/32" x 11-5/32" x 2-17/32" |

AEW-50A CENTRALIZED CONTROLLER

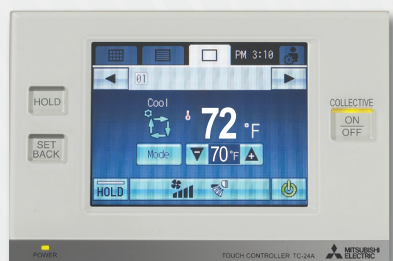


The EW-50A centralized controller is a web browser-only centralized controller for managing CITY MULTI® and peripheral systems. The EW-50A can also connect to an AE-200A over Ethernet to expand its monitoring capability to up to 200 indoor units when three EW-50A units are used. The EW-50A features advanced functionality with expanded monitoring, control, dual set point and trending abilities.



STANDARD FEATURES

| FUNCTION | DESCRIPTION |
|---------------------------|--|
| Max No. of Indoor Units | Up to 50 indoor units can be controlled and monitored |
| ON/OFF | On/Off operation for a single group and batch operation |
| Operation Mode | Setback /Cool/Dry/Auto (R2- and WR2-Series)/Fan/Heat |
| Function | Hold (temporarily disables schedules)/Initial setting/Operation data back-up |
| Displays | CITY MULTI compressor speed and hi/low pressure/AdvancedHVAC Controller (DC-AIO) input/output status/Space temperature and humidity (from SmartME or AI controller)/Error code (four-digit code and the affected unit address)/Unoccupied setback temperature range/Occupancy and brightness status from the SmartME remote controller |
| Temperature Setting | Supports single and dual set point operation with extended set temperature range |
| Fan Speed Setting | Hi/Mid-2/Mid-1/Low/Auto (Available fan speed settings depending on indoor unit) |
| Airflow Direction Setting | Swing/Horizontal/Mid-0/Mid-1/Mid-2/Mid-3/Auto (settings vary depending on indoor unit model) |
| Permit/Prohibit Function | Individual prohibit operations for each remote controller function include ON/OFF/Set Temperature/Fan speed and direction/Operation Mode/Filter Reset |
| Ventilation Interlock | Allows the group to be interlocked with Lossnay unit |
| Schedule Operation | Annual, Today, and Weekly schedules |
| External Input/Output | Inputs: Level Signal-Batch Start/Stop, Batch Emergency Stop Outputs: Start/Stop Status, Error/Normal Status (requires PAC-YG10HA) |
| Trending Data | Fan operation time/Thermo-on time/Set temperature/Room temperature/AI controller temperature and humidity |
| Power Supply | Built-in |
| Dimensions - (H x W x D) | 8-4/16" x 6-13/16" x 3-10/16" |



Customized individual zone control via a bright and easy-to-use touchscreen interface. The TC-24B is perfect for light commercial and residential applications.



STANDARD FEATURES

| Function | Description |
|-------------------------------|---|
| Max No. of Indoor Units | Up to 24 indoor units can be connected |
| ON/OFF | On/Off operation for a single group and batch operation |
| Operation Mode | Setback /Cool/Dry/Auto (R2- and WR2-Series)/Fan/Heat |
| Temperature Setting | Supports single and dual set point modes/Set temperature from 57° F - 87° F depending on operation mode and indoor unit |
| Fan Speed Setting | Hi/Mid-2/Mid-1/Low/Auto (Available fan speed settings depending on indoor unit) |
| Airflow Direction Setting | Airflow angles: 100° - 80° - 60° - 40° and swing/Airflow direction settings vary depending on indoor unit model |
| Permit/Prohibit Function | Individual prohibit operations for each remote controller function (ON/OFF, Set Temperature, Operation Mode and Filter Reset) |
| Indoor Return Air Temperature | Displays the measured return air temperature from each group |
| Error Indication | Displays a four-digit code and the affected unit address |
| Ventilation Interlock | Allows the group to be interlocked with Lossnay unit |
| Schedule Operation | Weekly schedule can be set by groups based on operation pattern |
| External Input/Output | Inputs: Level Signal-Batch Start/Stop, Batch Emergency Stop Outputs: Start/Stop Status, Error/Normal Status |
| Power Supply | PAC-SC51KUA |
| Dimensions - (H x W x D) | 4-3/4" x 7-1/8" x 1-3/16" |

LICENSE OPTIONS FOR CENTRALIZED CONTROLLERS

Centralized controllers support operations that supersede simple control of the HVAC system and include system configuration, scheduling, batch operation, and malfunction monitoring through license options. These license options further expand the functionality of our centralized controller offerings.

OPTIONAL LICENSES

PERSONAL WEB BROWSER (LIC-PWEB)

Allows facility managers individual users to control their zone conditioning via personal networked PC, tablet or smart phone with or without remote controllers. Personal web browser is only supported on AE-200A, AE-50A, and EW-50A centralized controllers.

BACnet TCP/IP COMMUNICATION (LIC-BACNET)

Allows for BACnet[®] TCP/IP communication from a centralized controller to third-party building management software via an Ethernet connection. The BACnet license is only supported on the AE-200A, AE-50A, and EW-50A centralized controllers.

ENERGY ALLOCATION (LIC-CHARGE)

Provides the ability for the AE-200A to allocate the outdoor unit(s) power consumption to building tenants based on the capacity used by their indoor units. Note that there are additional components required to complete a full Energy Allocation installation.

| | Part Number | Description | AE-200A | AE-50A | EW-50A |
|----------------------|---------------|--|---------|--------|--------|
| OPTIONAL LICENSES | LIC-CHARGE | Energy Allocation | • | • | • |
| | LIC-PWEB | Personal Web Browser | • | • | • |
| | LIC-BACNET | BACnet [®] TCP/IP communication | • | • | • |
| OPTIONAL ACCESSORIES | PAC-YG84UTB-J | Electric Box | • | • | |
| | PAC-YG86TK-J | Mounting Kit (for control panel) | • | • | |
| | PAC-YG82TB-J | Mounting Attachment (for wall surface) | • | • | |
| | PAC-YG72CWL-J | Surface cover with USB port | • | • | |



PAC-YG82TB-J



PAC-YG84UTB-J



PAC-YG86TK-J

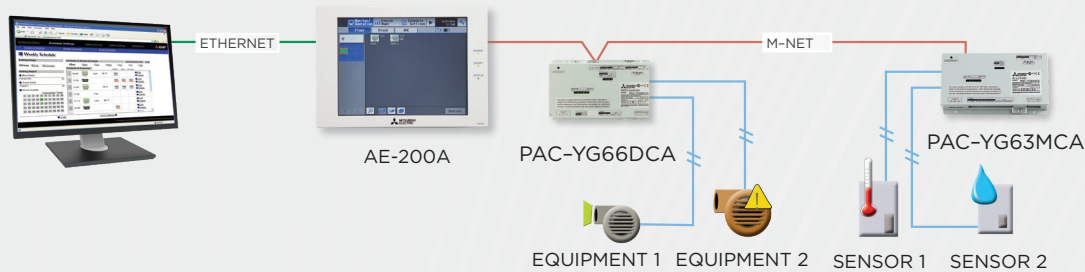


PAC-YG72CWL-J

PAC-YG66DCA & PAC-YG63MCA INPUT/OUTPUT CONTROLLER



The PAC-YG66DCA Digital Input Digital Output (DIDO) controller makes it possible to control general-purpose equipment with an AE-200A, AE-50A, EW-50A, or TC-24B centralized controller. Connect up to six (6) pieces of equipment to the DIDO controller. The equipment can either be scheduled or interlocked with indoor units through the use of a centralized controller. (Note: 24 VDC power is required on-site.)



STANDARD FEATURES

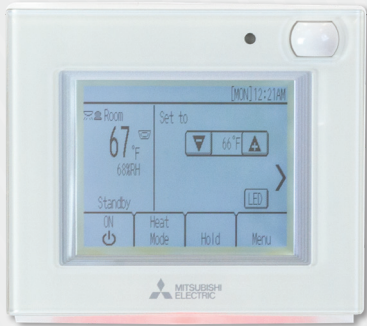
| FUNCTION | DESCRIPTION |
|------------------------|---|
| Inputs | Qty two Digital Status Inputs and 2 Digital Error Inputs (Non-Voltage Contacts) |
| Outputs | Qty two Digital Outputs (Non-Voltage Relay Contact Use only VDC with outputs) |
| Monitor | Status, Fault Requires AE-200A, AE-50A, EW-50A, or TC-24B Centralized Controller |
| Control | On/Off, Start/Stop, Enable/Disable Requires AE-200A, AE-50A, EW-50A, or TC-24B Centralized Controller |
| Schedule Operation | Weekly schedule can be set by groups based on operation pattern Requires AE-200A, AE-50A, EW-50A, or TC-24B Centralized Controller |
| Interlock Function | Interlock M-NET devices and output contacts according to status of input contacts |
| Power Supply | 24 VDC (5W plus loads) |
| Communication | M-NET |
| Dimensions—(H x W x D) | 4-3/4" x 7-7/8" x 1-13/16" |



The AI Controller makes it possible to monitor values measured by the temperature and humidity sensors connected to the AI Controller. The AI Controller has two input and two output channels and is required to be connected with an AE-200A, AE-50A, or EW-50A centralized controller. The user can trend measured data on a Web browser and set alarms to output via e-mail when data exceeds a preset upper or lower limit. (Note: 24 VDC power is required on-site.)

STANDARD FEATURES

| FUNCTION | DESCRIPTION |
|------------------------|--|
| Inputs | Qty two Analog Inputs (0/10 VDC, 4/20 mA, 1-5 VDC) |
| Outputs | Upper/lower limit alarm output (non-voltage contact) |
| Monitor | Temperature and/or Humidity Requires AE-200A, AE-50A or EW-50A centralized controller and field supplied sensor |
| Interlock Function | Interlock M-NET devices and output contacts according to measured values on inputs |
| Alarms | Generate alarm based on user defined high and low limits |
| Power Supply | 24 VDC (5W) |
| Communication | M-NET |
| Dimensions—(H x W x D) | 4-3/4" x 7-7/8" x 1-13/16" |



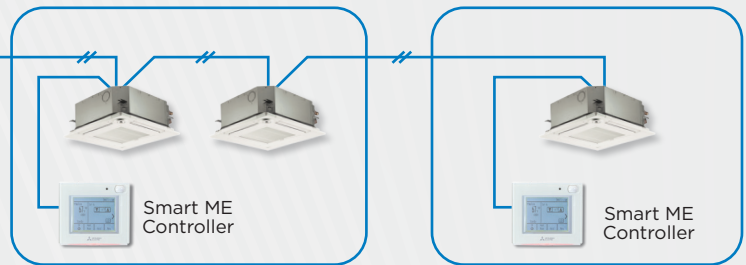
PAR-U01MEDU

SMART ME CONTROLLER®

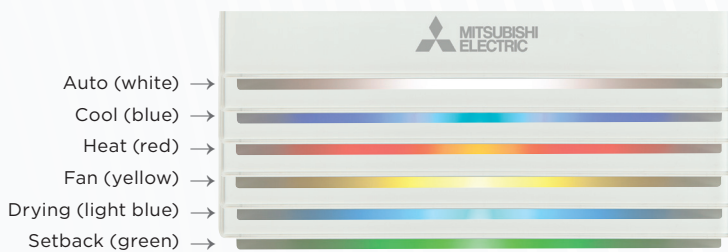
- ▶ Intuitive backlit touch screen
- ▶ Group control up to 16 indoor units in a single zone
- ▶ Onboard temperature, humidity, occupancy, and brightness sensors
- ▶ Monitors third-party equipment through AdvancedHVAC controller
- ▶ Supports dual set point and setback functions
- ▶ Improved scheduling
- ▶ Color glow status indicator LED bar
- ▶ Dimensions (H x W x D): 4-3/4" x 5-9/16" x 1"



AE-200A



COLOR GLOW STATUS INDICATOR



The LED bar indicates the operation status by lighting and blinking with different colors and brightness (High/Low), or by turning off. Multiple operation status indicators include blue (Cooling), light blue (Drying), yellow (Fan), white (Auto), green (Setback), red (Heating) and lime (Energy Save). Advanced settings are available for selecting desired color per mode, LED brightness (in conjunction with room brightness sensor), and temperature range indicator.

ENERGY SAVE FUNCTION

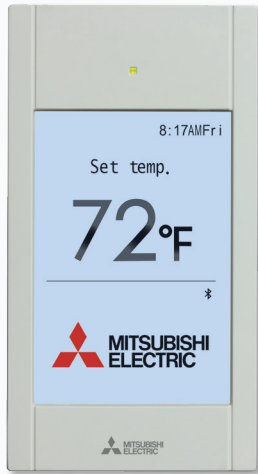
The Energy Save function reduces energy consumption during vacancy. The user can select a mode for the Energy Save function which is activated based on vacancy detection in a room, including the following:

- ▶ Thermo-off: Puts the unit into the Thermo-off state
- ▶ Set temperature offset: Offsets the set temperature
- ▶ Fan speed down: Sets the fan speed to Low
- ▶ ON/OFF: Turns off the unit
- ▶ Operation mode: Sets the operation mode to Setback

OCCUPANCY SENSOR

The built-in Occupancy Sensor is used to detect movement in a room. If the sensor detects no movement (or "vacancy") it will activate the selected Energy saving function mode. The Occupancy Sensor returns the system to original operating status after detecting movement. The user can adjust the away time and detection sensitivity threshold level for the Occupancy Sensor. Brightness can also be used in conjunction with motion to determine occupancy.

Full color touch panel customizable display



PAR-CT01MAU-SB

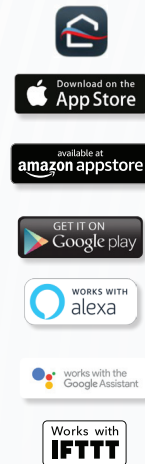
TOUCH MA

- ▶ Controls up to 16 indoor units
- ▶ Backlit LCD: full color, touch screen display includes 180 color patterns
- ▶ ON/OFF timer: turns on and off daily at a set time
- ▶ Fan speed settings
- ▶ Large icons for easy readability
- ▶ Bluetooth® app for users & installer
- ▶ Dimensions: 2-9/16" x 4-23/32" x 9/16"
- ▶ Customize display with customer logo or background colors

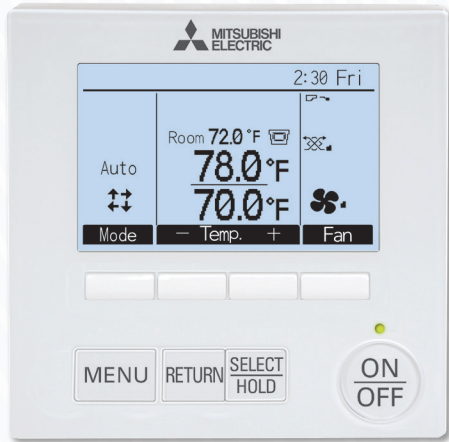


kumo cloud®

- ▶ Compatible with CITY MULTI® and M- and P-Series systems *without* a central controller
- ▶ Requires the Mitsubishi Electric Wireless Interface (PAC-USWHS002-WF-2)
- ▶ Easy to connect the device to your router using the kumo cloud app
- ▶ App compatible software platforms:
 - Apple iOS 8.0 or later
 - Android 4.1 or later
 - Fire OS 4.1 or later
- ▶ Intuitive settings for simplified use:
 1. Group units together
 2. Organize groups into sites
 3. Batch command units
- ▶ Error and filter status pop-up
- ▶ Advanced functions settings for M- and P-Series equipment



Wired remote controller ideal for easy operation, convenience, and energy savings



PAR-40MAAU

DELUXE MA

- ▶ Controls up to 16 zones
- ▶ Large easy-to-see backlit LCD with two display modes: Full or Basic
- ▶ Interlock and control Lossnay units
- ▶ Operation modes: Auto, Cool, Heat, Dry, Fan
- ▶ Fan speed settings
- ▶ Controls air direction (vane direction and ventilation)
- ▶ Dimensions: 4-3/4" x 3/4" x 4-3/4"
- ▶ Dual set point functionality
- ▶ Automatically adjust for Day Light Savings time
- ▶ Control i-see Sensor™ equipped cassettes indoor units

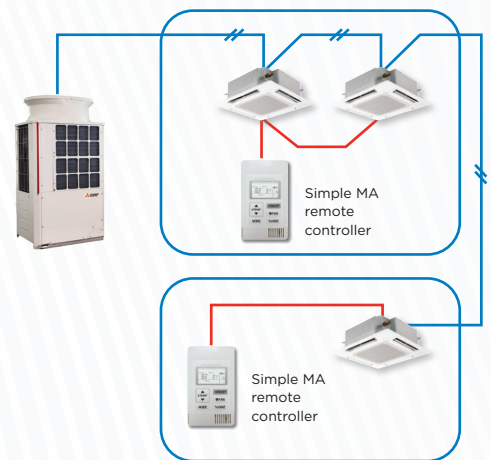
Easy-to-use remote for temperature and operation mode control



PAC-YT53CRAU

SIMPLE MA

- ▶ Controls up to 16 zones
- ▶ Backlit LCD
- ▶ Operation modes of Cool, Heat, Dry, Fan, Auto, Ventilation, Setback (depending on connected equipment)
- ▶ Fan speed settings
- ▶ Controls air direction (vane direction and ventilation)
- ▶ Dimensions: 2-3/4" x 1-5/8" x 4-3/4"
- ▶ Dual set point functionality



WIRELESS MA ZONED CONTROLLERS

Easy-to-use hand-held remote for temperature and operation mode control for CITY MULTI® and P-Series systems

WIRELESS MA REMOTE CONTROLLER AND MA RECEIVER



PAR-FL32MA

- ▶ Hand-held wireless remote control of up to 16 indoor units
- ▶ Operation modes of Cool, Heat, Dry, Fan, Auto, Ventilation
- ▶ Fan speed, airflow direction settings
- ▶ Compatible with P-Series and CITY MULTI systems
- ▶ Requires PAR-FA32MA Wireless Receiver. (Built-in as standard on PKFY models)
- ▶ Dimensions – Remote: 2-5/16" x 3/4" x 5-1/4"
Receiver: 2-3/4" x 7/8" x 4-12/16"

The CMCN supports integration with Building Management Systems (BMS) via LonWorks® and BACnet®

The Mitsubishi Electric LonWorks interface, LMAPO4U, supports up to 50 indoor units with a variety of network variables on a per indoor unit basis. Input variables include, but are not limited to: On/Off, Operation Mode, Fan Speed, Prohibit Remote Controller, and Filter Sign Reset. Output variables include but are not limited to: Model Size, Alarm State, Error Code, and Error Address.

LonWorks



- ▶ Up to 50 units (CITY MULTI®, M-Series, P-Series and/or Lossnay) can be connected with one LonWorks interface
- ▶ Operation/Setting: Request On/Off, Set Point, Request Lossnay Mode, Request Fan Speed, Request Local Prohibit On/Off and Set Point, Request Forced Thermostat Off, Filter Sign Reset, Time Stamp, Request Limit Temperature Setting Range, Request Simplified Locking
- ▶ Features a built-in power supply (208/230 VAC)
- ▶ Dimensions: 13-7/16" x 14-3/16" x 2-3/8"

The AE-200A/AE-50A/EW-50A centralized controllers are BTL (BACnet Testing Laboratories) listed, demonstrating their compliance with ASHRAE standards and their compatibility with building management systems supporting the BACnet TCP/IP communication protocol.

BACnet® LICENSE

- ▶ Connect up to 50 indoor units per licensed centralized controller
- ▶ Supports the monitoring and operation of CITY MULTI indoor units, M- and P-Series indoor units (requires additional adapter), and Lossnay® ERV units
- ▶ BACnet TCP/IP Ethernet connection only

See page 64 for licensing centralized controllers

A cloud-based integration solution that seamlessly connects CITY MULTI® VRF and third-party equipment under one simple-to-use interface

Building Connect+ is a cloud based ready to use platform to monitor and control your CITY MULTI and third party equipment. Seamlessly connect up to 50 VRF indoor units, 5 BACnet devices and 8 other pieces of equipment using digital I/O. Remote connectivity allows you to view any number of Building Connect+ installations without the need for additional licenses or equipment.

This Contractor focused integration package reduces initial costs and commissioning time through the use of a pre-programmed local broker and web based portal. Standard user friendly features include user management, alarming, scheduling, trend builder and a cloud based data hub. Pre-programmed applications like auto-changeover make this turnkey solution the simple and easy way to monitor a complete HVAC system.

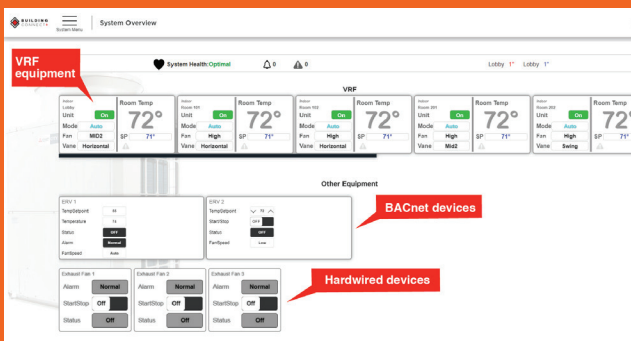
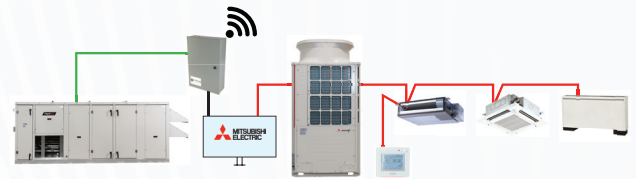


BUILDING
CONNECT+



FEATURES AND BENEFITS

- ▶ Connect up to 50 indoor units per licensed centralized controller
- ▶ Out-of-the-box cloud-based intergration solution for controlling and monitoring CITY MULTI® equipment and third-party devices
- ▶ Connect multiple installations and users across varied geographic locations
- ▶ Easy installation and commissioning because it does not require any special software or tools
- ▶ Full set of Mitsubishi Electric CITY MULTI maintenance tool data for monitoring, troubleshooting, and analytics.
- ▶ Multilevel user accounts to allow for different feature permissions and equipment access
- ▶ Weekly and Holiday scheduling of individual indoor units or the entire system for personal comfort and increased energy savings
- ▶ Data trending and downloading capabilities for system performance review and evaluation.
- ▶ Email notifications and display for all connected equipment.



The configuration wizard auto-discovers the connected CITY MULTI® and BACnet® equipment. No programming is required. Configuration is through a simple built-in web portal for ease of use and expedited commissioning. No special software or licenses required

FEATURES AND BENEFITS (CONTINUED)

- ▶ Auto import functionality identifies and adds new units during startup and commissioning
- ▶ Auto Changeover application allows for users to enable and manage the settings.
- ▶ Local and remote user connectivity using computer, tablets, or mobile devices
- ▶ Global batch commands for streamlining operations
- ▶ Secure access with two-factor user authentication powered by Google Authenticator
- ▶ Intuitive graphical user interface for easy web connectivity and system configuration

A branded, bundled, and seamless building controls solution designed to extend the capabilities of your CITY MULTI® equipment.

Mitsubishi Electric's Diamond Controls is powered by the industry-leading Niagara Framework®, the industry's first software technology designed to integrate diverse building systems and devices into one seamless system. Niagara supports a wide range of protocols, including LonWorks®, BACnet®, Modbus®, oBIX and Internet standards. The Niagara Framework also includes integrated network management tools to support the design, configuration, installation and maintenance of interoperable networks.



DC-8000

The Mitsubishi Electric DC-8000 is an embedded controller/

server platform that combines integrated control, supervision, data logging, alarming, scheduling and network management functions into a small, compact platform with network connectivity and web serving capabilities. The DC-8000 makes it possible to control and manage external devices over the network, presenting real-time information to users in web-based graphical views.



DCPro

The Mitsubishi Electric DCPro is a flexible network server for all connected DC-8000 stations. The

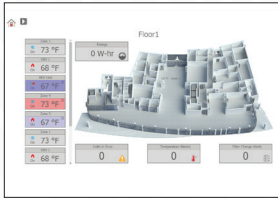
DCPro provides efficient integration of standard open protocols. The DCPro creates a powerful network environment with comprehensive database management functionality, alarm management, and messaging services. DCPro can manage global control functions, support data passing over multiple networks, connect to enterprise-level software applications, and host multiple, simultaneous client workstations connected over a local network or the Internet.

CONTROLS SOLUTIONS

Controls Solutions is a group of industry experts located across the country who are ready to assist with every aspect of Mitsubishi Electric Cooling & Heating systems. By utilizing Controls Solutions, a building owner has peace of mind that the project will seamlessly move forward with minimal hiccups. With one company providing the equipment and the controls, project execution is much more efficient.

Controls Solutions offerings include:

- ▶ Project Supervision
- ▶ Owner Training
- ▶ System Start-up
- ▶ Project Training
- ▶ System Commissioning
- ▶ Design Support
- ▶ Retro-commissioning
- ▶ System Evaluation



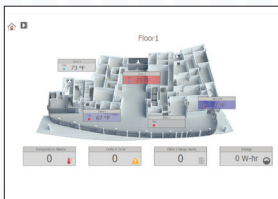
HIGH-RESOLUTION 3D GRAPHICS

Diamond Controls enables a new graphical user experience for variable refrigerant flow (VRF) zoning systems with the inclusion of high resolution three-dimensional floor plan graphics of your building.



DEMAND RESPONSE COMPLIANCE

Demand Response programs help utilities maintain grid reliability and enable customers to realize significant value. Diamond Controls provides Demand Response compliance to a building owner through OpenADR.



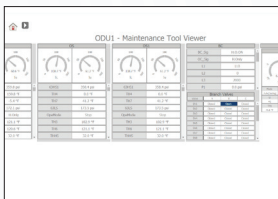
LIGHTING CONTROL

Diamond Controls can manage a building's lighting system through integration with third-party equipment. Lighting control provides a building manager the ability to set lighting schedules, which can be overridden by local switches if necessary.



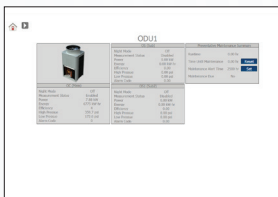
CENTRAL PLANT CONTROL

Diamond Controls can monitor, control, and schedule a central plant to provide chilled or hot water for the building's needs without requiring additional third-party controls.



ADVANCED ALARMING

Diamond Controls advanced logic enables superior alarming capabilities for building awareness, as well as VRF zoning systems. The building owner can set up multiple alarm conditions ranging from simple out-of-range alarms to advanced condition alarms.

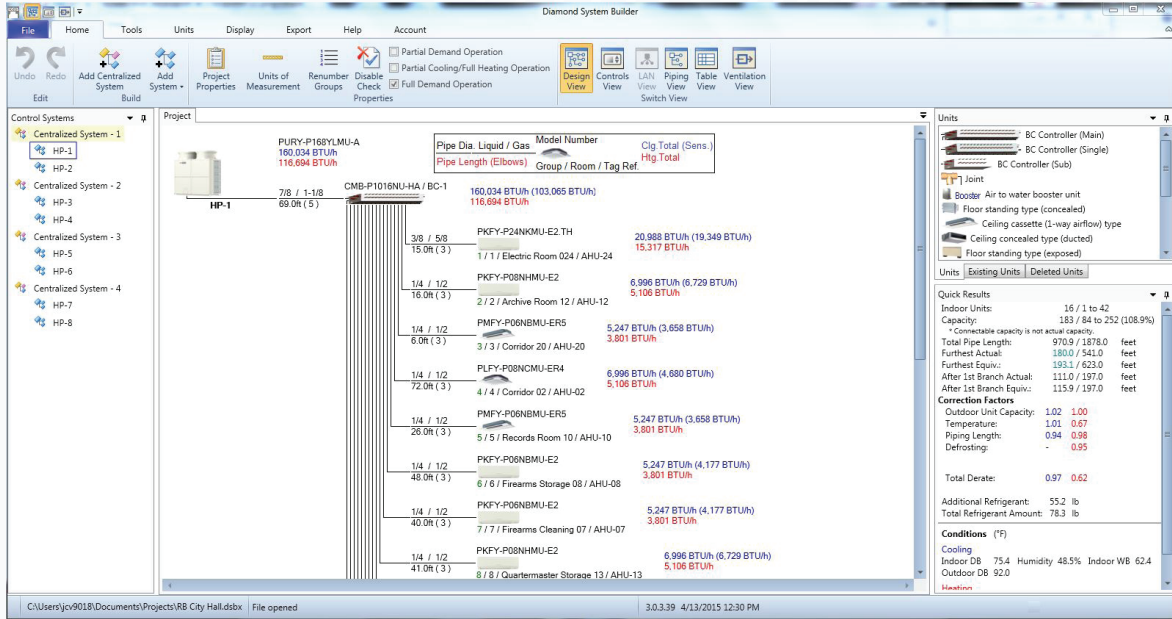


HVAC EQUIPMENT INTEGRATION

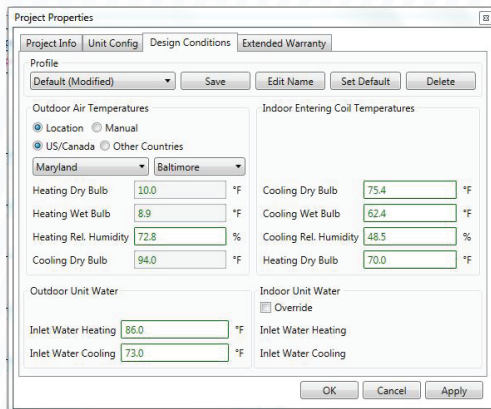
Diamond Controls can schedule, monitor, control, and integrate advanced logic within various HVAC manufacturers' equipment. Diamond Controls can also easily integrate into an existing building management system (BMS).

Diamond System Builder is an interactive system layout tool providing a simple and efficient means of system design.

Diamond System Builder (DSB) helps users determine the cooling and heating output of selected equipment for project-specific conditions. The program has error indicators and built-in safeguards against exceeding limitations, assuring line lengths, maximum connected capacities, component selections, control schemes, etc. are within the system requirements.

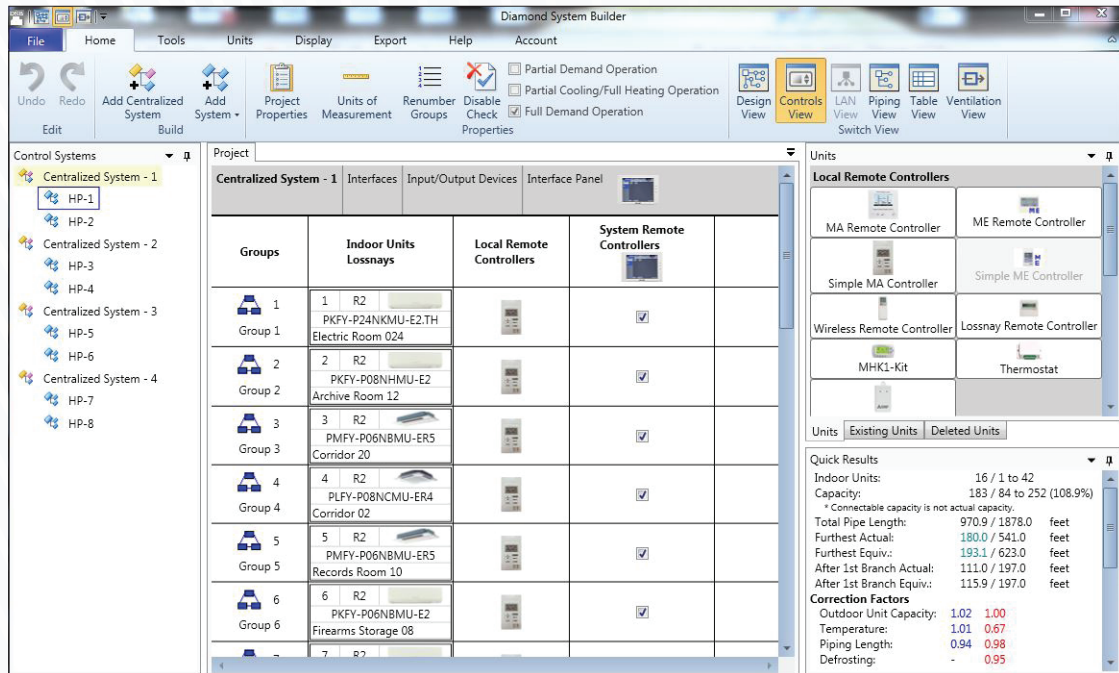


PROJECT PROPERTIES



System design conditions, such as indoor and outdoor design conditions, are easily entered for both cooling and heating. Customer and project names can be entered to identify the job on the outputs.

DSB INTERFACE



Optional functions to customize the system layout to your project are available, such as labeling groups with a room name, adding equipment tags to pieces of equipment, and giving each system a project-specific name. Other features, like a custom equipment schedule, submittal packages, and AutoCAD drawings are available once the system layout has been finalized.

REVIT AND AUTOCAD OUTPUTS



UNIVERSAL MAINTENANCE TOOL

Easy-to-use, Windows®-based Maintenance Tool software

The new Universal Maintenance Tool software is the fast and easy way to monitor operation of CITY MULTI®, M-Series and P-Series systems.* Upgrades to hardware and software allow for efficient access to system data, reducing time needed to determine operational status and troubleshoot system errors. Monitor temperature, pressure, Linear Expansion Valve (LEV) position, electrical data and much more. Information is updated every minute. View status of connected indoor units among many other capabilities.

Maintenance Tool also allows a user to record and save system data for trending and future error code analysis as well as extended warranty and troubleshooting purposes.

* separate cables required to access M- Series and P-Series data.

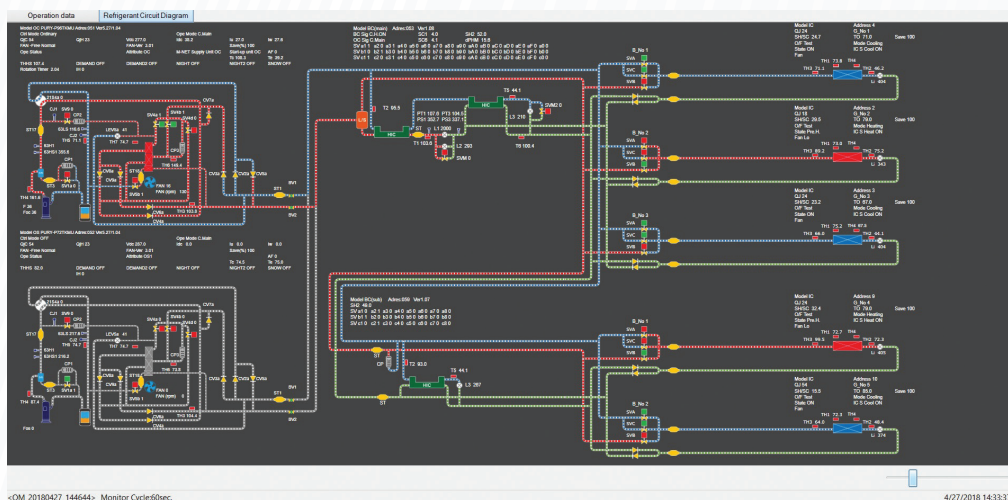


PAC-USCMS-MN-1

MN CONVERTER

- ▶ MN-Converter features a sleek design that fits in the palm of your hand
- ▶ Efficiently pinpoint and troubleshoot system errors
- ▶ Easily access more system data in multiple ways
- ▶ Animated graphics-based system view enables easier on-site diagnosis and troubleshooting
- ▶ Directly connectable to a PC via USB cable
- ▶ Includes built-in SD CARD for capturing system operational data - after connecting to M-NET

Maintenance Tool data is automatically stored on the SD card, eliminating the need for a PC, until you want to review the data on the SD card.



The Operation Status view displays the operational data for the connected system, including system pressures, temperatures, LEV position, compressor frequency, current operation mode, and more.





NOMAD HOTEL
LOS ANGELES, CA



**SPECIFICATION TABLES
OUTDOOR AND INDOOR**



SPECIFICATIONS: ▼

R2-SERIES (STANDARD EFFICIENCY)

PURY-P** (T/Y) NU-A

| SPECIFICATION | | | MODEL NAMES | | | | |
|--|--|-------|---|---------------------|----------------------|----------------------|----------------------|
| VOLTAGES | 208V /230V | | PURY-P72TNU-A (-BS) | PURY-P96TNU-A (-BS) | PURY-P120TNU-A (-BS) | PURY-P144TNU-A (-BS) | PURY-P168TNU-A (-BS) |
| | 460V | | PURY-P72YNU-A (-BS) | PURY-P96YNU-A (-BS) | PURY-P120YNU-A (-BS) | PURY-P144YNU-A (-BS) | PURY-P168YNU-A (-BS) |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | | | |
| Capacity (Nominal) | Cooling | Btu/h | 72,000 | 96,000 | 120,000 | 144,000 | 168,000 |
| | Heating | Btu/h | 80,000 | 108,000 | 135,000 | 160,000 | 188,000 |
| Electrical Supply | MCA | A | 24-22 11 | 33-30 15 | 43-40 18 | 52-48 20 | 61-57 28 |
| | MOP | A | 40-35 15 | 50-45 20 | 70-60 25 | 80-70 30 | 100-90 40 |
| | SCCR | A | 5 | | | | |
| | Recommended Fuse Size | A | 30 15 | 40 20 | 50 25 | 60 30 | 70 40 |
| Fan | Type X Quantity | | Propeller fan x 1 | Propeller fan x 2 | Propeller fan x 2 | Propeller fan x 2 | Propeller fan x 2 |
| | Airflow Rate | CFM | 6,000 | 7,400 | 8,300 | 9,550 | 14,850 |
| | External Static Pressure | | Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG | | | | |
| Compressor | Type X Quantity | | Inverter scroll hermetic compressor x 1 | | | | |
| | Operating Range | | 15% to 100% | 15% to 100% | 15% to 100% | 15% to 100% | 15% to 100% |
| | Lubricant | | MEL32 | | | | |
| Refrigerant | Type | | R410A | | | | |
| External Finish | | | Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1> | | | | |
| Dimensions | Height | In. | 71-5/8 | | | | |
| | Width | | 36-1/4 | 48-7/8 | 48-7/8 | 48-7/8 | 68-29/32 |
| | Depth | | 29-5/32 | | | | |
| Net Weight | lbs. | | 483 516 | 576 611 | 598 633 | 646 682 | 739 774 |
| | Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 56.5/58.0 | 58.5/60.0 | 60.0/62.0 | 65.0/65.5 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 75.5/77.0 | 77.5/79.0 | 80.0/80.5 | 85.5/85.5 | 81.0/85.5 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | | | |
| | Inverter Circuit (Compressor/Fan) | | Over-heat protection, Over-current protection | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) Brazed | In. | 5/8 Brazed | 3/4 Brazed | 3/4 Brazed | 7/8 Brazed | 7/8 Brazed |
| | Gas (Low Pressure) (Brazed) | | 3/4 Brazed | 7/8 Brazed | 1-1/8 Brazed | 1-1/8 Brazed | 1-1/8 Brazed |
| Indoor Unit Connectable | Total capacity | | 50-150% of outdoor unit capacity | | | | |
| | Model / Quantity | | P05-P96/1-18 | P05-P96/1-24 | P05-P96/1-30 | P05-P96/1-36 | P05-P96/1-42 |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | | | |
| | Heating (Outdoor) *3 | | -4-60°F (-20-15.5°C) | | | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -18-60°F (-28-15.5°C) | | | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 13.1 / 14.7 | 12.8 / 14.5 | 12.1 / 13.2 | 11.0 / 12.2 | 10.6 / 11.0 |
| | IEER (Ducted/Non-Ducted) | | 23.8 / 29.2 | 25.5 / 31.9 | 23.3 / 28.8 | 23.1 / 28.7 | 21.3 / 25.8 |
| | COP (Ducted/Non-Ducted) | | 3.76 / 4.09 | 3.88 / 4.14 | 3.61 / 4.01 | 3.43 / 3.84 | 3.30 / 3.80 |
| | SCHE (Ducted/Non-Ducted) | | 25.9 / 25.5 | 23.5 / 28.3 | 25.3 / 29.1 | 24.8 / 27.7 | 24.7 / 28.3 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼

R2-SERIES (STANDARD EFFICIENCY)

PURY-P** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | | |
|--|-----------------------------------|----------------------------|--|--|--|---|
| VOLTAGES | 208V /230V | | PURY-P192TSNU-A (-BS) | PURY-P216TSNU-A (-BS) | PURY-P240TSNU-A (-BS) | PURY-P264TSNU-A (-BS) |
| | | With 2 PURY-P96TNU-A (-BS) | With 1 PURY-P120TNU-A (-BS) and 1 PURY-P96TNU-A (-BS) | With 2 PURY-P120TNU-A (-BS) | With 1 PURY-P144TNU-A (-BS) and 1 PURY-P120TNU-A (-BS) | |
| | 460V | | PURY-P192YSNU-A (-BS) | PURY-P216YSNU-A (-BS) | PURY-P240YSNU-A (-BS) | PURY-P264YSNU-A (-BS) |
| | | With 2 PURY-P96YNU-A (-BS) | With 1 PURY-P120YNU-A (-BS) and 1 PURY-P96YNU-A (-BS) | With 2 PURY-P120YNU-A (-BS) | With 1 PURY-P144YNU-A (-BS) and 1 PURY-P120YNU-A (-BS) | |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | | |
| Capacity (Nominal) | Cooling | Btu/h | 192,000 | 216,000 | 240,000 | 264,000 |
| | Heating | Btu/h | 215,000 | 243,000 | 270,000 | 295,000 |
| Electrical Supply | MCA | A | Refer to: PURY-P96TNU-A (-BS) | Refer to: PURY-P120TNU-A (-BS) PURY-P96TNU-A (-BS) | Refer to: PURY-P120TNU-A (-BS) | Refer to: PURY-P144TNU-A (-BS) PURY-P120TNU-A (-BS) |
| | MOP | A | | | | |
| | SCCR | A | PURY-P96YNU-A (-BS) | PURY-P120YNU-A (-BS) PURY-P96YNU-A (-BS) | PURY-P120YNU-A (-BS) | PURY-P144YNU-A (-BS) PURY-P120YNU-A (-BS) |
| | Recommended Fuse Size | A | | | | |
| Fan | Type X Quantity | | | | | |
| | Airflow Rate | CFM | | | | |
| | External Static Pressure | | | | | |
| Compressor | Type X Quantity | | | | | |
| | Operating Range | | 7.5% to 100% | 7.5% to 100% | 7.5% to 100% | 7.5% to 100% |
| | Lubricant | | | | | |
| Refrigerant | Type | | Refer to: PURY-P96TNU-A (-BS) | Refer to: PURY-P120TNU-A (-BS) PURY-P96TNU-A (-BS) | Refer to: PURY-P120TNU-A (-BS) | Refer to: PURY-P144TNU-A (-BS) PURY-P120TNU-A (-BS) |
| External Finish | | | | | | |
| Dimensions | Height | In. | PURY-P96YNU-A (-BS) | PURY-P120YNU-A (-BS) PURY-P96YNU-A (-BS) | PURY-P120YNU-A (-BS) | PURY-P144YNU-A (-BS) PURY-P120YNU-A (-BS) |
| | Width | | | | | |
| | Depth | | | | | |
| Net Weight | | lbs. | | | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 61.5/63.0 | 62.5/64.5 | 63.0/65.0 | 66.5/67.5 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 80.5/82.0 | 82.0/83.0 | 83.0/83.5 | 87.0/87.0 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | | |
| | Inverter Circuit (Compressor/Fan) | | Over-heat protection, Over-current protection | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 7/8 Brazed | 7/8 Brazed (1-1/8 Brazed for the part that exceeds 65 m) | 7/8 Brazed (1-1/8 Brazed for the part that exceeds 65 m) | 1-1/8 Brazed |
| | Gas (Low Pressure) (Brazed) | | 1-1/8 Brazed | 1-1/8 Brazed | 1-3/8 Brazed | 1-3/8 Brazed |
| Indoor Unit Connectable | Total capacity | | 50-150% of outdoor unit capacity | | | |
| | Model / Quantity | | P05-P96/1-48 | | | |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | | |
| | Heating (Outdoor) *3 | | -4-60°F (-20-15.5°C) | | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -18-60°F (-28-15.5°C) | | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 11.9 / 13.5 | 11.6 / 13.0 | 11.2 / 11.7 | 10.7 / 11.3 |
| | IEER (Ducted/Non-Ducted) | | 24.3 / 30.7 | 23.3 / 29.2 | 22.3 / 26.3 | 22.2 / 26.4 |
| | COP (Ducted/Non-Ducted) | | 3.60 / 3.88 | 3.49 / 3.82 | 3.36 / 3.56 | 3.28 / 3.50 |
| | SCHE (Ducted/Non-Ducted) | | 23.0 / 28.0 | 22.7 / 26.9 | 22.9 / 26.8 | 22.3 / 25.7 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°F DB./67°F WB. (26.7°C DB./19.4°C WB.), Outdoor: 95°F DB. (35°C DB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°F DB. (21.1°C DB.), Outdoor: 47°F DB./43°F WB. (8.3°C DB./6.1°C WB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PURY-PT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼ R2-SERIES (STANDARD EFFICIENCY)

PURY-P** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | |
|--|-----------------------------------|-------|--|---|-----------------------------------|
| VOLTAGES | 208V /230V | | PURY-P288TSNU-A (-BS) | PURY-P312TSNU-A (-BS) | PURY-P336TSNU-A (-BS) |
| | | | With 2 PURY-P144TNU-A (-BS) | With 1 PURY-P168TNU-A (-BS) and 1 PURY-P144TNU-A (-BS) | With 2 PURY-P168TNU-A (-BS) |
| | 460V | | PURY-P288YSNU-A (-BS) | PURY-P312YSNU-A (-BS) | PURY-P336YSNU-A (-BS) |
| | | | With 2 PURY-P144YNU-A (-BS) | With 1 PURY-P168YNU-A (-BS) and 1 PURY-P144YNU-A (-BS) | With 2 PURY-P168YNU-A (-BS) |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | |
| Capacity (Nominal) | Cooling | Btu/h | 288,000 | 312,000 | 336,000 |
| | Heating | Btu/h | 323,000 | 350,000 | 378,000 |
| Electrical Supply | MCA | A | Refer to: PURY-P144TNU-A (-BS) | Refer to: PURY-P168TNU-A (-BS) PURY-P144TNU-A (-BS) | Refer to: PURY-P168TNU-A (-BS) |
| | MOP | A | | | |
| | SCCR | A | PURY-P144YNU-A (-BS) | PURY-P168YNU-A (-BS) PURY-P144YNU-A (-BS) | PURY-P168YNU-A (-BS) |
| | Recommended Fuse Size | A | | | |
| Fan | Type X Quantity | | | | |
| | Airflow Rate | CFM | | | |
| | External Static Pressure | | | | |
| Compressor | Type X Quantity | | | | |
| | Operating Range | | 7.5% to 100% | 7.5% to 100% | 7.5% to 100% |
| Refrigerant | Lubricant | | Refer to: PURY-P144TNU-A (-BS) | Refer to: PURY-P168TNU-A (-BS) PURY-P144TNU-A (-BS) | Refer to: PURY-P168TNU-A (-BS) |
| | Type | | | | |
| External Finish | | | | | |
| Dimensions | Height | In. | PURY-P144YNU-A (-BS) | PURY-P168YNU-A (-BS) PURY-P144YNU-A (-BS) | PURY-P168YNU-A (-BS) |
| | Width | | | | |
| | Depth | | | | |
| Net Weight | | lbs. | | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 68.0/68.5 | 67.0/69.0 | 65.5/69.5 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 88.5/88.5W | 87.0/88.5 | 84.0/88.5 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter Circuit (Compressor/Fan) | | Over-heat protection, Over-current protection | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 1-1/8 Brazed | | |
| | Gas (Low Pressure) (Brazed) | | 1-3/8 Brazed | 1-5/8 Brazed | 1-5/8 Brazed |
| Indoor Unit Connectable | Total capacity | | 50-150% of outdoor unit capacity | | |
| | Model / Quantity | | P05-P96/2-50 | | |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | |
| | Heating (Outdoor) *3 | | -4-60°F (-20-15.5°C) | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -18-60°F (-28-15.5°C) | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 10.2 / 10.9 | 10.1 / 10.2 | 9.9 / 9.5 |
| | IEER (Ducted/Non-Ducted) | | 22.1 / 26.4 | 21.4 / 24.6 | 20.5 / 23 |
| | COP (Ducted/Non-Ducted) | | 3.20 / 3.44 | 3.20 / 3.36 | 3.2 / 3.29 |
| | SCHE (Ducted/Non-Ducted) | | 21.7 / 24.5 | 20.6 / 23.8 | 20.4 / 23.4 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PURY-PT(Y)SNU combined systems.

- 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.
- Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼ R2-SERIES (HIGH EFFICIENCY)

PURY-EP** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | | | |
|--|-----------------------------------|-------|---|----------------------|-----------------------|-----------------------|-----------------------|
| VOLTAGES | 208V /230V | | PURY-EP72TNU-A (-BS) | PURY-EP96TNU-A (-BS) | PURY-EP120TNU-A (-BS) | PURY-EP144TNU-A (-BS) | PURY-EP168TNU-A (-BS) |
| | 460V | | PURY-EP72YNU-A (-BS) | PURY-EP96YNU-A (-BS) | PURY-EP120YNU-A (-BS) | PURY-EP144YNU-A (-BS) | PURY-EP168YNU-A (-BS) |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | | | |
| Capacity (Nominal) | Cooling | Btu/h | 72,000 | 96,000 | 120,000 | 144,000 | 168,000 |
| | Heating | Btu/h | 80,000 | 108,000 | 135,000 | 160,000 | 188,000 |
| Electrical Supply | MCA | A | 23-21 10 | 31-29 14 | 41-38 19 | 49-45 22 | 57-53 26 |
| | MOP | A | 35-30 15 | 45-45 20 | 60-60 30 | 80-70 35 | 90-80 40 |
| | SCCR | A | 5 | 5 | 5 | 5 | 5 |
| | Recommended Fuse Size | A | 30 15 | 40 20 | 50 25 | 60 30 | 70 40 |
| Fan | Type X Quantity | | Propeller fan x 1 | Propeller fan x 2 | Propeller fan x 2 | Propeller fan x 2 | Propeller fan x 2 |
| | Airflow Rate | CFM | 6,000 | 7,400 | 8,300 | 9,550 | 14,850 |
| | External Static Pressure | | Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG | | | | |
| Compressor | Type X Quantity | | Inverter scroll hermetic compressor x 1 | | | | |
| | Operating Range | | 15% to 100% | 15% to 100% | 15% to 100% | 15% to 100% | 15% to 100% |
| | Lubricant | | MEL32 | | | | |
| Refrigerant | Type | | R410A | | | | |
| External Finish | | | Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1> | | | | |
| Dimensions | Height | In. | 71-5/8 | | | | |
| | Width | | 36-1/4 | 48-7/8 | 48-7/8 | 48-7/8 | 68-29/32 |
| | Depth | | 29-5/32 | | | | |
| Net Weight | lbs. | 519 | 613 | 622 | 680 | 777 | |
| | | 552 | 649 | 657 | 715 | 807 | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 56.5/58.0 | 58.5/60.0 | 60.0/62.0 | 65.0/65.5 | 62.5/66.5 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 75.5/77.0 | 77.5/79.0 | 80.0/80.5 | 85.5/85.5 | 81.0/85.5 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | | | |
| | Inverter Circuit (Compressor/Fan) | | Over-heat protection, Over-current protection | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Braze) | In. | 5/8 Braze | 3/4 Braze | 3/4 Braze | 7/8 Braze | 7/8 Braze |
| | Gas (Low Pressure) (Braze) | | 3/4 Braze | 7/8 Braze | 1-1/8 Braze | 1-1/8 Braze | 1-1/8 Braze |
| Indoor Unit Connectable | Total capacity | | 50-150% of outdoor unit capacity | | | | |
| | Model / Quantity | | P05-P96/1-18 | P05-P96/1-24 | P05-P96/1-30 | P05-P96/1-36 | P05-P96/1-42 |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | | | |
| | Heating (Outdoor) *3 | | -13F-60°F (-25-15.5°C) | | | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -25-60°F (-31.5-15.5°C) | | | | |
| Efficiency Ratings *5 | EER (Ducted/ Non-Ducted) | | 13.4 / 15.4 | 13.7 / 15.1 | 12.6 / 13.8 | 11.7 / 12.9 | 11.2 / 11.9 |
| | IEER (Ducted/ Non-Ducted) | | 24.5 / 31.2 | 26.5 / 33.1 | 25.0 / 30.1 | 24.1 / 29.7 | 23.4 / 28.0 |
| | COP (Ducted/ Non-Ducted) | | 3.81 / 4.37 | 3.94 / 4.26 | 3.71 / 4.04 | 3.49 / 3.86 | 3.30 / 3.80 |
| | SCHE (Ducted/ Non-Ducted) | | 25.9 / 25.5 | 23.5 / 28.3 | 25.3 / 29.1 | 24.8 / 27.7 | 24.7 / 28.3 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼

R2-SERIES (HIGH EFFICIENCY)

PURY-EP** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | |
|--|-----------------------------------|-------|--|---|---|
| VOLTAGES | 208V /230V | | PURY-EP192TNU-A (-BS) | PURY-EP216TNU-A (-BS) | PURY-EP240TNU-A (-BS) |
| | 460V | | PURY-EP192YNU-A (-BS) | PURY-EP216YNU-A (-BS) | PURY-EP240YNU-A (-BS) |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | |
| Capacity (Nominal) | Cooling | Btu/h | 192,000 | 216,000 | 240,000 |
| | Heating | Btu/h | 215,000 | 243,000 | 250,000 |
| Electrical Supply | MCA | A | 66/60 | 73/67 | 82/75 |
| | | | 30 | 33 | 37 |
| | MOP | A | 110/100 | 125/110 | 125/125 |
| | | | 52 | 50 | 60 |
| | SCCR | A | 5 | | |
| Recommended Fuse Size | A | 80/80 | 100/90 | 100/90 | |
| | | 40 | 50 | 50 | |
| Fan | Type X Quantity | | Propeller fan x 2/Propeller fan x 2 | | |
| | Airflow Rate | CFM | 13,050 | 14,100 | 14,500 |
| | External Static Pressure | | Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG | | |
| Compressor | Type X Quantity | | Inverter scroll hermetic compressor x 1 | Inverter scroll hermetic compressor | Inverter scroll hermetic compressor x 1 |
| | Operating Range | | 15% to 100% | | |
| | Lubricant | | MEL32 | | |
| Refrigerant | Type | | R410A | | |
| External Finish | | | Pre-coated galvanized steel sheet (+powder coating for -BS type) | | |
| Dimensions | Height | In. | 71-5/8 | | |
| | Width | | 68-15/16 | | |
| | Depth | | 29-3/16 | | |
| Net Weight | lbs. | | 887 (402) | | |
| | | | 918 (416) | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 64.5/66.0 | 66.5/67.5 | 67.5/68.0 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 83.5/85.0 | 85.5/86.5 | 86.5/87.0 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter Circuit (Compressor/Fan) | | Over-heat protection, Over-current protection | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 7/8 (22.2) Brazed | 7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m) | 7/8 (22.2) Brazed (1-1/8 (28.58) Brazed for the part that exceeds 65 m) |
| | Gas (Low Pressure) (Brazed) | | 1-1/8 (28.58) Brazed | 1-1/8 (28.58) Brazed | 1-3/8 (34.93) Brazed |
| Indoor Unit Connectable | Total capacity | | 50-150% of outdoor unit capacity | | |
| | Model / Quantity | | P05-P96/2-50 | | |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | |
| | Heating (Outdoor) *3 | | -4-60°F (-20-15.5°C) | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -25-60°F (-31.5-15.5°C) | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 11.3 / 12.2 | 10.9 / 11.4 | 10.5 / 10.5 |
| | IEER (Ducted/Non-Ducted) | | 20.0 / 26.5 | 19.7 / 24.9 | 19.6 / 22.8 |
| | COP (Ducted/Non-Ducted) | | 3.34 / 3.76 | 3.23 / 3.62 | 3.2 / 3.42 |
| | SCHE (Ducted/Non-Ducted) | | 24.7 / 28.3 | 23.8 / 27.8 | 23.6 / 26.3 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PURY-PT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼ R2-SERIES (HIGH EFFICIENCY)

PURY-EP** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | | |
|--|-----------------------------------|--------------------------------|--|--|--|---|
| VOLTAGES | 208V /230V | | PURY-EP192TSNU-A (-BS) | PURY-EP216TSNU-A (-BS) | PURY-EP240TSNU-A (-BS) | PURY-EP264TSNU-A (-BS) |
| | | With 2 PURY-EP96TNU-A (-BS) | With 1 PURY-EP120TNU-A (-BS) and 1 PURY-EP96TNU-A (-BS) | With 2 PURY-EP120TNU-A (-BS) | With 1 PURY-EP144TNU-A (-BS) and 1 PURY-EP120TNU-A (-BS) | |
| | 460V | | PURY-EP192YSNU-A (-BS) | PURY-EP216YSNU-A (-BS) | PURY-EP240YSNU-A (-BS) | PURY-EP264YSNU-A (-BS) |
| | | With 2 PURY-EP96YNU-A (-BS) | With 1 PURY-EP120YNU-A (-BS) and 1 PURY-EP96YNU-A (-BS) | With 2 PURY-EP120YNU-A (-BS) | With 1 PURY-EP144YNU-A (-BS) and 1 PURY-EP120YNU-A (-BS) | |
| | Power Source | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | | |
| Capacity (Nominal) | Cooling | Btu/h | 192,000 | 216,000 | 240,000 | 264,000 |
| | Heating | Btu/h | 215,000 | 243,000 | 270,000 | 295,000 |
| Electrical Supply | MCA | A | Refer to: PURY-EP96TNU-A (-BS) | Refer to: PURY-EP120TNU-A (-BS) PURY-EP96TNU-A (-BS) | Refer to: PURY-EP120TNU-A (-BS) | Refer to: PURY-EP144TNU-A (-BS) PURY-EP120TNU-A (-BS) |
| | MOP | A | | | | |
| | SCCR | A | | | | |
| | Recommended Fuse Size | A | PURY-EP96YNU-A (-BS) | PURY-EP120YNU-A (-BS) PURY-EP96YNU-A (-BS) | PURY-EP120YNU-A (-BS) | PURY-EP144YNU-A (-BS) PURY-EP120YNU-A (-BS) |
| Fan | Type X Quantity | | | | | |
| | Airflow Rate | CFM | | | | |
| | External Static Pressure | | | | | |
| Compressor | Type X Quantity | | | | | |
| | Operating Range | | 15% to 100% | 15% to 100% | 15% to 100% | 15% to 100% |
| | Lubricant | | Refer to: PURY-EP96TNU-A (-BS) | Refer to: PURY-EP120TNU-A (-BS) PURY-EP96TNU-A (-BS) | Refer to: PURY-EP120TNU-A (-BS) | Refer to: PURY-EP144TNU-A (-BS) PURY-EP120TNU-A (-BS) |
| Refrigerant | Type | | PURY-EP96TNU-A (-BS) | PURY-EP120TNU-A (-BS) PURY-EP96TNU-A (-BS) | PURY-EP120TNU-A (-BS) | PURY-EP144TNU-A (-BS) PURY-EP120TNU-A (-BS) |
| External Finish | | | | | | |
| Dimensions | Height | In. | | | | |
| | Width | | PURY-EP96YNU-A (-BS) | PURY-EP120YNU-A (-BS) PURY-EP96YNU-A (-BS) | PURY-EP120YNU-A (-BS) | PURY-EP144YNU-A (-BS) PURY-EP120YNU-A (-BS) |
| | Depth | | | | | |
| Net Weight | | lbs. | | | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 61.5/63.0 | 62.5/64.5 | 63.0/65.0 | 66.5/67.5 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 80.5/82.0 | 82.0/83.0 | 83.0/83.5 | 87.0/87.0 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | | |
| | Inverter Circuit (Compressor/Fan) | | Over-heat protection, Over-current protection | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 7/8 Brazed | 7/8 Brazed (1-1/8 Brazed for the part that exceeds 65 m) | 7/8 Brazed (1-1/8 Brazed for the part that exceeds 65 m) | 1-1/8 Brazed |
| | Gas (Low Pressure) (Brazed) | | 1-1/8 Brazed | 1-1/8 Brazed | 1-3/8 Brazed | 1-3/8 Brazed |
| Indoor Unit Connectable | Total capacity | | 50-150% of outdoor unit capacity | | | |
| | Model / Quantity | | P05-P96/1-48 | P05-P96/2-50 | P05-P96/2-50 | P05-P96/2-50 |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | | |
| | Heating (Outdoor) *3 | | -13F-60°F (-25-15.5°C) | | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -25-60°F (-31.5-15.5°C) | | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 12.7 / 14.1 | 12.2 / 13.5 | 11.7 / 12.2 | 11.3 / 11.9 |
| | IEER (Ducted/Non-Ducted) | | 25.3 / 31.8 | 24.6 / 30.4 | 23.9 / 27.4 | 23.5 / 27.4 |
| | COP (Ducted/Non-Ducted) | | 3.66 / 3.99 | 3.56 / 3.89 | 3.46 / 3.58 | 3.36 / 3.53 |
| | SCHE (Ducted/Non-Ducted) | | 23.0 / 28.0 | 22.7 / 26.9 | 22.9 / 26.8 | 22.3 / 25.7 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PURY-EPT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼ R2-SERIES (HIGH EFFICIENCY)

PURY-EP** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | |
|--|-----------------------------------|--|--|---|------------------------------------|
| VOLTAGES | 208V /230V | | PURY-EP288TSNU-A (-BS) | PURY-EP312TSNU-A (-BS) | PURY-EP336TSNU-A (-BS) |
| | | | With 2 PURY-EP144TNU-A (-BS) | With 1 PURY-EP168TNU-A (-BS) and 1 PURY-EP144TNU-A (-BS) | With 2 PURY-EP168TNU-A (-BS) |
| | 460V | | PURY-EP288YSNU-A (-BS) | PURY-EP312YSNU-A (-BS) | PURY-EP336YSNU-A (-BS) |
| | | | With 2 PURY-EP144YNU-A (-BS) | With 1 PURY-EP168YNU-A (-BS) and 1 PURY-EP144YNU-A (-BS) | With 2 PURY-EP168YNU-A (-BS) |
| Power Source | | 3-phase 3-wire 208-230 V ±10% 60 Hz 3-phase 3-wire 460 V ±10% 60 Hz | | | |
| Capacity (Nominal) | Cooling | Btu/h | 288,000 | 312,000 | 336,000 |
| | Heating | Btu/h | 323,000 | 350,000 | 378,000 |
| Electrical Supply | MCA | A | Refer to: PURY-EP144TNU-A (-BS) | Refer to: PURY-EP168TNU-A (-BS) PURY-EP144TNU-A (-BS) | Refer to: PURY-EP168TNU-A (-BS) |
| | MOP | A | | | |
| | SCCR | A | PURY-EP144YNU-A (-BS) | PURY-EP168YNU-A (-BS) PURY-EP144YNU-A (-BS) | PURY-EP168YNU-A (-BS) |
| | Recommended Fuse Size | A | | | |
| Fan | Type X Quantity | | | | |
| | Airflow Rate | CFM | | | |
| | External Static Pressure | | | | |
| Compressor | Type X Quantity | | | | |
| | Operating Range | | 15% to 100% | 15% to 100% | 15% to 100% |
| | Lubricant | | Refer to: PURY-EP144TNU-A (-BS) | Refer to: PURY-EP168TNU-A (-BS) PURY-EP144TNU-A (-BS) | Refer to: PURY-EP168TNU-A (-BS) |
| Refrigerant | Type | | | | |
| External Finish | | | PURY-EP144TNU-A (-BS) | PURY-EP168TNU-A (-BS) PURY-EP144TNU-A (-BS) | PURY-EP168TNU-A (-BS) |
| Dimensions | Height | In. | | | |
| | Width | | PURY-EP144YNU-A (-BS) | PURY-EP168YNU-A (-BS) PURY-EP144YNU-A (-BS) | PURY-EP168YNU-A (-BS) |
| | Depth | | | | |
| Net Weight | | lbs. | | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 68.0/68.5 | 67.0/69.0 | 65.5/69.5 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 88.5/88.5 | 87.0/88.5 | 84.0/88.5 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter Circuit (Compressor/Fan) | | Over-heat protection, Over-current protection | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 1-1/8 Brazed | | |
| | Gas (Low Pressure) (Brazed) | | 1-3/8 Brazed | 1-5/8 Brazed | 1-5/8 Brazed |
| Indoor Unit Connectable | Total capacity | | 50-150% of outdoor unit capacity | | |
| | Model / Quantity | | P05-P96/2-50 | | |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | |
| | Heating (Outdoor) *3 | | -13F-60°F (-25-15.5°C) | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -25-60°F (-31.5-15.5°C) | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 10.9 / 11.5 | 10.7 / 10.9 | 10.5 / 10.3 |
| | IEER (Ducted/Non-Ducted) | | 23.1 / 27.4 | 22.8 / 26.1 | 22.5 / 24.9 |
| | COP (Ducted/Non-Ducted) | | 3.26 / 3.46 | 3.24 / 3.37 | 3.22 / 3.29 |
| | SCHE (Ducted/Non-Ducted) | | 21.7 / 24.5 | 20.6 / 23.8 | 20.4 / 23.4 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PURY-EPT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼

R2-SERIES (HIGH EFFICIENCY)

PURY-HP** (T/Y) NU-A

| SPECIFICATION | | | MODEL NAMES | |
|--|------------------------------------|-------|--|--|
| VOLTAGES | 208V /230V | | PURY-EP384TSNU-A (-BS) | PURY-EP432TSNU-A (-BS) |
| | | | With 1 PURY-EP384TSNU-A (-BS) and 1 PURY-EP192TNU-A (-BS) | With 1 PURY-EP432TSNU-A (-BS) and 1 PURY-EP216TNU-A (-BS) |
| | 460V | | PURY-EP384YSNU-A (-BS) | PURY-EP432YSNU-A (-BS) |
| | | | With 1 PURY-EP384YSNU-A (-BS) and 1 PURY-EP192YNU-A (-BS) | With 1 PURY-EP432YSNU-A (-BS) and 1 PURY-EP216YNU-A (-BS) |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | |
| Capacity (Nominal) | Cooling | Btu/h | 384,000 | 432,000 |
| | Heating | Btu/h | 430,000 | 480,000 |
| Electrical Supply | MCA | A | Refer to: PURY-EP384TSNU-A (-BS) PURY-EP192TNU-A (-BS) | Refer to: PURY-EP432TSNU-A (-BS) PURY-EP216TNU-A (-BS) |
| | MOP | A | | |
| | SCCR | A | PURY-EP384YSNU-A (-BS) | PURY-EP432YSNU-A (-BS) |
| | Recommended Fuse Size | A | PURY-EP192YNU-A (-BS) | PURY-EP216YNU-A (-BS) |
| Fan | Type X Quantity | | | |
| | Airflow Rate | CFM | | |
| | External Static Pressure | | | |
| Compressor | Type X Quantity | | | |
| | Operating Range | | 7.5% to 100% | 7.5% to 100% |
| | Lubricant | | Refer to: PURY-EP384TSNU-A (-BS) PURY-EP192TNU-A (-BS) | Refer to: PURY-EP432TSNU-A (-BS) PURY-EP216TNU-A (-BS) |
| Refrigerant | Type | | | |
| External Finish | | | | |
| Dimensions | Height | In. | | |
| | Width | In. | PURY-EP384YSNU-A (-BS) | PURY-EP432YSNU-A (-BS) |
| | Depth | In. | PURY-EP192YNU-A (-BS) | PURY-EP216YNU-A (-BS) |
| Net Weight | | lbs. | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 67.5/69.0 | 69.5/70.0 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 86.5/89.0 | 88.5/89.0 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter Circuit (Compressor/ Fan) | | Over-heat protection, Over-current protection | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | | 1-1/8 (28.58) Brazed | |
| | Gas (Low Pressure) (Brazed) | | 1-5/8 (41.28) Brazed | |
| Indoor Unit Connectable | Total capacity | | 50-150% of outdoor unit capacity | |
| | Model / Quantity | | P05-P96/2-50 | |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | |
| | Heating (Outdoor) *3 | | -4-60°F (-20-15.5°C) | |
| Extended Operating Range *4 | Heating (Outdoor) | | -25-60°F (-31.5-15.5°C) | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 10.9 / 12.2 | 11.9 / 13.5 |
| | IEER (Ducted/Non-Ducted) | | 19.7 / 24.5 | 18.9 / 25.6 |
| | COP (Ducted/Non-Ducted) | | 3.45 / 3.82 | 3.6 / 3.88 |
| | SCHE (Ducted/Non-Ducted) | | 24.8 / 27.7 | 23 / 28 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PURY-EPT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼
R2-SERIES (HYPER HEATING)

PURY-HP (T/Y) NU-A**

| SPECIFICATION | | | MODEL NAMES | | |
|--|-----------------------------------|-------|---|-------------------|-------------------|
| VOLTAGES | 208V /230V | | PURY-HP72TNU-A | PURY-HP96TNU-A | PURY-HP120TNU-A |
| | 460V | | PURY-HP72YNU-A | PURY-HP96YNU-A | PURY-HP120YNU-A |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | |
| Capacity (Nominal) | Cooling | Btu/h | 72,000 | 96,000 | 120,000 |
| | Heating | Btu/h | 80,000 | 108,000 | 135,000 |
| Electrical Supply | MCA | A | 38-35 | 44-40 | 47-44 |
| | | | 17 | 20 | 21 |
| | MOP | A | 60-50 | 70-60 | 70-60 |
| | | | 25 | 30 | 35 |
| | SCCR | A | 5 | 5 | 5 |
| Recommended Fuse Size | A | TBD | | | |
| Fan | Type X Quantity | | Propeller fan x 2 | Propeller fan x 2 | Propeller fan x 2 |
| | Airflow Rate | CFM | 7,400 | 8,300 | 9,550 |
| | External Static Pressure | | Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG | | |
| Compressor | Type X Quantity | | Inverter scroll hermetic compressor x 1 | | |
| | Operating Range | | 15% to 100% | 15% to 100% | 15% to 100% |
| | Lubricant | | MEL46 | | |
| Refrigerant | Type | | R410A | | |
| External Finish | | | Pre-coated galvanized steel sheet <MUNSELL 5Y 8/1> | | |
| Dimensions | Height | In. | 71-5/8 | | |
| | Width | In. | 48-7/8 | | |
| | Depth | In. | 29-3/16 | | |
| Net Weight | | | 609 | 662 | 662 |
| | | | 644 | 697 | 697 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 56.5/58.0 | 58.5/60.0 | 64.0/65.0 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 75.5/77.0 | 77.5/79.0 | 84.0/85.0 |
| Protection Devices | High Pressure | | Over-heat protection, Over-current protection | | |
| | Inverter Circuit (Compressor/Fan) | | Over-current protection | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | | 5/8 Brazed | 3/4 Brazed | 3/4 Brazed |
| | Gas (Low Pressure) (Brazed) | | 3/4 Brazed | 7/8 Brazed | 1-1/8 Brazed |
| Indoor Unit Connectable | Total capacity | | 50-150% of outdoor unit capacity | | |
| | Model / Quantity | | P05-P96/1-18 | P05-P96/1-24 | P05-P96/1-30 |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | |
| | Heating (Outdoor) *3 | | -22-60°F (-30-15.5°C) | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -31-60°F (-35-15.5°C) | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 11.9 / 13.1 | 12.8 / 14.5 | 12.1 / 13.2 |
| | IEER (Ducted/Non-Ducted) | | 20.9 / 25.6 | 19.8 / 26.6 | 19.7 / 24.4 |
| | COP (Ducted/Non-Ducted) | | 3.76 / 4.09 | 3.88 / 4.14 | 3.61 / 4.01 |
| | SCHE (Ducted/Non-Ducted) | | 25.9 / 25.5 | 23.5 / 28.3 | 25.3 / 29.1 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PURY-EPT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: R2-SERIES (HYPER HEATING)

PURY-HP** (T/Y) NU-A

| SPECIFICATION | | | MODEL NAMES | | |
|--|-----------------------------------|-----------------------|---|-----------------------------|--|
| VOLTAGES | 208V /230V | | PURY-HP144TSNU-A | PURY-HP192TSNU-A | PURY-HP240TSNU-A |
| | | With 2 PURY-HP72TNU-A | With 2 PURY-HP96TNU-A | With 2 PURY-HP120TNU-A | |
| | 460V | | PURY-HP144YSNU-A | PURY-HP192YSNU-A | PURY-HP240YSNU-A |
| | | With 2 PURY-HP72YNU-A | With 2 PURY-HP96YNU-A | With 2 PURY-HP120YNU-A | |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | |
| Capacity (Nominal) | Cooling | Btu/h | 144,000 | 192,000 | 240,000 |
| | Heating | Btu/h | 160,000 | 215,000 | 270,000 |
| Electrical Supply | MCA | A | Refer to: PURY-HP72TNU-A | Refer to: PURY-HP96TNU-A | Refer to: PURY-HP120TNU-A |
| | MOP | A | | | |
| | SCCR | A | PURY-HP72YNU-A | PURY-HP96YNU-A | PURY-HP120YNU-A |
| | Recommended Fuse Size | A | | | |
| Fan | Type X Quantity | | | | |
| | Airflow Rate | CFM | | | |
| | External Static Pressure | | | | |
| Compressor | Type X Quantity | | | | |
| | Operating Range | | 7.5% to 100% | 7.5% to 100% | 7.5% to 100% |
| | Lubricant | | Refer to: PURY-HP72TNU-A | Refer to: PURY-HP96TNU-A | Refer to: PURY-HP120TNU-A |
| Refrigerant | Type | | | | |
| External Finish | | | | | |
| Dimensions | Height | In. | | | |
| | Width | In. | PURY-HP72YNU-A | PURY-HP96YNU-A | PURY-HP120YNU-A |
| | Depth | In. | | | |
| Net Weight | | lbs. | | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 59.5/61.0 | 61.5/63.0 | 67.0/68.0 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 78.5/80.0 | 80.5/82.0 | 87.0/88.0 |
| Protection Devices | High Pressure | | Over-heat protection, Over-current protection | | |
| | Inverter Circuit (Compressor/Fan) | | Over-current protection | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Braze) | | 7/8 Braze | 7/8 Braze | 7/8 Braze (1-1/8 Braze for the part that exceeds 65 m) |
| | Gas (Low Pressure) (Braze) | | 1-1/8 Braze | 1-1/8 Braze | 1-3/8 Braze |
| Indoor Unit Connectable | Total capacity | | 50-150% of outdoor unit capacity | | |
| | Model / Quantity | | P05-P96/1-36 | P05-P96/1-48 | P05-P96/2-50 |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | |
| | Heating (Outdoor) *3 | | -22-60°F (-30-15.5°C) | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -31-60°F (-35-15.5°C) | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 10.9 / 12.2 | 11.9 / 13.5 | 11.2 / 11.7 |
| | IEER (Ducted/Non-Ducted) | | 19.7 / 24.5 | 18.9 / 25.6 | 18.8 / 22.2 |
| | COP (Ducted/Non-Ducted) | | 3.45 / 3.82 | 3.6 / 3.88 | 3.36 / 3.56 |
| | SCHE (Ducted/Non-Ducted) | | 24.8 / 27.7 | 23 / 28 | 22.9 / 26.8 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PURY-EPT(Y)SNU combined systems.

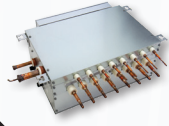
1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method

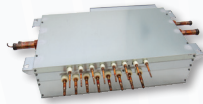


SPECIFICATIONS: BC CONTROLLER ▼

CMB-P-NU-J1 (Single BC)

| SPECIFICATIONS | | | MODEL NAMES | | | | |
|--|-----------------------|-------------------|--|---------------|---------------|----------------|----------------|
| | | | CMB-P104NU-J1 | CMB-P106NU-J1 | CMB-P108NU-J1 | CMB-P1012NU-J1 | CMB-P1016NU-J1 |
| Number of Branches | | | 4 | 6 | 8 | 12 | 16 |
| Power Source | | | 208 / 230V, 1 phase, 60Hz | | | | |
| Power Input (208/230V) | Cooling | kW | 0.061 / 0.078 | 0.091 / 0.118 | 0.122 / 0.157 | 0.182 / 0.235 | 0.243 / 0.314 |
| | Heating | kW | 0.030 / 0.039 | 0.046 / 0.059 | 0.061 / 0.078 | 0.091 / 0.118 | 0.122 / 0.157 |
| Current (208/230V) | Cooling | A | 0.30 / 0.35 | 0.44 / 0.52 | 0.59 / 0.69 | 0.88 / 1.03 | 1.17 / 1.37 |
| | Heating | A | 0.15 / 0.18 | 0.22 / 0.26 | 0.30 / 0.35 | 0.44 / 0.52 | 0.59 / 0.69 |
| External Finish | | | Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating) | | | | |
| Dimensions | Height | In. | 9-7/8 | | | | |
| | Width | | 23-1/2 | 23-1/2 | 23-1/2 | 35-7/8 | 44-11/16 |
| | Depth | | 15-11/16 | 15-11/16 | 15-11/16 | 21-1/2 | 21-1/2 |
| Net Weight | | Lbs. | 58 | 64 | 73 | 109 | 131 |
| Refrigerant Pipe Dimensions | To Indoor Unit | Liquid Pipe (In.) | 3/8 | | | | |
| | | Gas Pipe (In.) | 5/8 | | | | |
| Connectable Outdoor/Heat Source Unit Capacity | | Btu/h | 72,000 to 120,000 | | | | |
| Indoor unit Capacity Connectable to One Branch | | | 54,000 | | | | |
| Drain Pipe | | | 3/4 NPT | | | | |
| Sound Power Level (Measured in Anechoic Room) | Rated Operation dB(A) | | 59 | | | | |
| | Defrost dB(A) | | 71 | | | | |
| Sound Pressure Level (Measured in Anechoic Room) | Rated Operation dB(A) | | 40 | | | | |
| | Defrost dB(A) | | 53 | | | | |

| Total Downstream Capacity (Nominal cooling) (Btu/h) | Liquid (High Pressure) | Gas (Low Pressure) | Liquid Pipe |
|---|------------------------|--------------------|--------------|
| Less than 72,000 | 5/8 (Brazed) | 3/4 (Brazed) | 3/8 (Brazed) |
| Between 73,000 and 108,000 | 3/4 (Brazed) | 7/8 (Brazed) | 3/8 (Brazed) |
| Between 109,000 and 126,000 | 3/4 (Brazed) | 1-1/8 (Brazed) | 1/2 (Brazed) |
| Between 127,000 and 144,000 | 7/8 (Brazed) | 1-1/8 (Brazed) | 1/2 (Brazed) |
| Between 145,000 and 216,000 | 7/8 (Brazed) | 1-1/8 (Brazed) | 5/8 (Brazed) |
| Between 217,000 and 234,000 | 1-1/8 (Brazed) | 1-1/8 (Brazed) | 5/8 (Brazed) |
| Between 235,000 and 288,000 | 1-1/8 (Brazed) | 1-3/8 (Brazed) | 3/4 (Brazed) |
| Between 289,000 and 360,000 | 1-1/8 (Brazed) | 1-5/8 (Brazed) | 3/4 (Brazed) |
| Greater than 361,000 | 1-3/8 (Brazed) | 1-5/8 (Brazed) | 3/4 (Brazed) |



SPECIFICATIONS: BC CONTROLLER ▼

CMB-P-NU-JA1/KA1 (Main BC)

| SPECIFICATIONS | | | MODEL NAMES | | | |
|--|-----------------------|-------------------|--|-----------------|-----------------|-------------------|
| | | | CMB-P108NU-JA1 | CMB-P1012NU-JA1 | CMB-P1016NU-JA1 | CMB-P1016NU-KA1 |
| Number of Branches | | | 8 | 12 | 16 | 16 |
| Power Source | | | 208 / 230V, 1 phase, 60Hz | | | |
| Power Input (208/230V) | Cooling | kW | 0.137 / 0.176 | 0.198 / 0.255 | 0.258 / 0.333 | 0.258 / 0.333 |
| | Heating | kW | 0.076 / 0.098 | 0.106 / 0.137 | 0.137 / 0.176 | 0.137 / 0.176 |
| Current (208/230V) | Cooling | A | 0.66 / 0.77 | 0.95 / 0.11 | 1.25 / 1.45 | 1.25 / 1.45 |
| | Heating | A | 0.37 / 0.43 | 0.52 / 0.60 | 0.66 / 0.77 | 0.66 / 0.77 |
| External Finish | | | Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating) | | | |
| Dimensions | Height | In. | 9-7/8 | | | |
| | Width | | 35-7/8 | 44-11/16 | 44-11/16 | 44-11/16 |
| | Depth | | 21-1/2 | | | |
| Net Weight | | Lbs. | 106 | 133 | 150 | 153 |
| Refrigerant Pipe Dimensions | To Indoor Unit | Liquid Pipe (In.) | 3/8 | | | |
| | | Gas Pipe (In.) | 5/8 | | | |
| Connectable Outdoor / Heat Source Unit Capacity | | Btu/h | 72,000 to 336,000 | | | 72,000 to 432,000 |
| Max. Connected Capacity to Sub BC Controllers | | Btu/h | 126,000 | | | |
| Indoor unit Capacity Connectable to One Branch | | | 54,000 | | | |
| Drain Pipe | | | 3/4 NPT | | | |
| Sound Power Level (Measured in Anechoic Room) | Rated Operation dB(A) | | 68 | | | 66 |
| | Defrost dB(A) | | 74 | | | 73 |
| Sound Pressure Level (Measured in Anechoic Room) | Rated Operation dB(A) | | 50 | | | 48 |
| | Defrost dB(A) | | 56 | | | 55 |



CMB-P-NU-KB1 (Sub BC)

| SPECIFICATIONS | | | MODEL NAMES | |
|--|-----------------------|-------------------|--|----------------|
| | | | CMB-P104NU-KB1 | CMB-P108NU-KB1 |
| Number of Branches | | | 4 | 8 |
| Power Source | | | 208 / 230V, 1 phase, 60Hz | |
| Power Input (208/230V) | Cooling | kW | 0.061 / 0.078 | 0.122 / 0.157 |
| | Heating | kW | 0.030 / 0.039 | 0.061 / 0.078 |
| Current (208/230V) | Cooling | A | 0.30 / 0.35 | 0.59 / 0.69 |
| | Heating | A | 0.15 / 0.18 | 0.30 / 0.35 |
| External Finish | | | Galvanized steel plate (Lower part drain pan: Pre-coated galvanized sheets + powder coating) | |
| Dimensions | Height | In. | 9-7/8 | |
| | Width | In. | 23-1/2 | |
| | Depth | In. | 15-11/16 | |
| Net Weight | | Lbs. | 51 | 69 |
| Refrigerant Pipe Dimensions | To Indoor Unit | Liquid Pipe (In.) | 3/8 | |
| | | Gas Pipe (In.) | 5/8 | |
| Maximum Connectable Sub BC Controllers | | | 11 | |
| Max. Connected Capacity for All Branches | | Btu/h | 126,000 | |
| Indoor unit Capacity Connectable to One Branch | | | 54,000 | |
| Drain Pipe | | | 3/4 NPT | |
| Sound Power Level (Measured in Anechoic Room) | Rated Operation dB(A) | | 59 | |
| | Defrost dB(A) | | 71 | |
| Sound Pressure Level (Measured in Anechoic Room) | Rated Operation dB(A) | | 40 | |
| | Defrost dB(A) | | 53 | |



SPECIFICATIONS: ▼ Y-SERIES (STANDARD EFFICIENCY)

PUHY-P** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAME | | | | |
|--|-----------------------------------|-------|--|---|---|----------------------|----------------------|
| VOLTAGES | 208V/230V | | PUHY-P72TNU-A (-BS) | PUHY-P96TNU-A (-BS) | PUHY-P120TNU-A (-BS) | PUHY-P144TNU-A (-BS) | PUHY-P168TNU-A (-BS) |
| | 460V | | PUHY-P72YNU-A (-BS) | PUHY-P96YNU-A (-BS) | PUHY-P120YNU-A (-BS) | PUHY-P144YNU-A (-BS) | PUHY-P168YNU-A (-BS) |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | | | |
| Capacity (Nominal) | Cooling | Btu/h | 72,000 | 96,000 | 120,000 | 144,000 | 168,000 |
| | Heating | Btu/h | 80,000 | 108,000 | 135,000 | 160,000 | 188,000 |
| Electrical Supply | MCA | A | 24-22 11 | 33-31 15 | 41-38 19 | 49-45 22 | 59-54 27 |
| | MOP | A | 40-35 15 | 50-45 20 | 60-60 30 | 80-70 35 | 90-90 45 |
| | SCCR | A | 5 | 5 | 5 | 5 | 5 |
| | Recommended Fuse Size | A | 30 15 | 40 20 | 50 25 | 60 30 | 70 40 |
| Fan | Type X Quantity | | Propeller fan x 1 | Propeller fan x 2 | Propeller fan x 2 | Propeller fan x 2 | Propeller fan x 2 |
| | Airflow Rate | CFM | 6,000 | 6,700 | 7,750 | 9,200 | 10,600 |
| | External Static Pressure | | Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG | | | | |
| Compressor | Type X Quantity | | Inverter scroll hermetic compressor x 1 | | | | |
| | Operating Range | | 15% to 100% | 15% to 100% | 15% to 100% | 15% to 100% | 15% to 100% |
| | Lubricant | | MEL32 | | | | |
| Refrigerant | Type | | R410A | | | | |
| External Finish | | | Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | | |
| Dimensions | Height | In. | 71-10/16 | | | | |
| | Width | | 36-4/16 | 48-14/16 | 48-14/16 | 48-14/16 | 68-15/16 |
| | Depth | | 29-3/1 | 29-3/16 | 29-3/16 | 29-3/16 | 29-3/16 |
| Net Weight | | lbs. | 479 512 | 569 605 | 594 629 | 640 675 | 713 748 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 55.0/57.5 | 56.5/58.5 | 60.0/62.0 | 62.5/65.0 | 60.5/64.5 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 74.0/76.5 | 75.5/77.5 | 80.0/81.0 | 83.0/84.0 | 79.0/83.5 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | | | |
| | Inverter Circuit (Compressor/Fan) | | Over-current protection | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Braze) | In. | 3/8 Braze | 3/8 Braze (1/2 Braze, the farthest pipe length >= 90 m) | 3/8 Braze (1/2 Braze, the farthest pipe length >= 40 m) | 1/2 Braze | 5/8 Braze |
| | Gas (Low Pressure) (Braze) | | 7/8 Braze | 7/8 Braze | 1-1/8 Braze | 1-1/8 Braze | 1-1/8 Braze |
| Indoor Unit Connectable | Total capacity | | 50-130% of outdoor unit capacity | | | | |
| | Model / Quantity | | P05-P72/1-15 | P05-P96/1-20 | P05-P96/1-26 | P05-P96/1-31 | P05-P96/1-36 |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | | | |
| | Heating (Outdoor) *3 | | -4-60°F (-20-15.5°C) | | | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -18-60°F (-28-15.5°C) | | | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 13.1 / 13.5 | 13.4 / 14.6 | 12.3 / 13.3 | 12.2 / 12.6 | 11.2 / 11.7 |
| | IEER (Ducted/Non-Ducted) | | 24.8 / 31.5 | 26.2 / 32.6 | 23.6 / 28.8 | 23.2 / 29.6 | 23.4 / 29.8 |
| | COP (Ducted/Non-Ducted) | | 3.97 / 4.34 | 3.98 / 4.34 | 3.70 / 4.05 | 3.57 / 3.90 | 3.59 / 4.02 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼

Y-SERIES (STANDARD EFFICIENCY)

PUHY-P** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | | | |
|--|-----------------------------------|--|--|--|---|--|---|
| VOLTAGES | 208V/230V | | PUHY-P192TSNU-A (-BS) | PUHY-P216TSNU-A (-BS) | PUHY-P240TSNU-A (-BS) | PUHY-P264TSNU-A (-BS) | PUHY-P288TSNU-A (-BS) |
| | | With 2 PUHY-P96TNU-A (-BS) | With 1 PUHY-P120TNU-A (-BS) and 1 PUHY-P96TNU-A (-BS) | With 2 PUHY-P120TNU-A (-BS) | With 2 PUHY-P96TNU-A (-BS) and 1 PUHY-P72TNU-A (-BS) | With PUHY-P120TNU-A (-BS) and PUHY-P96TNU-A (-BS) and PUHY-P72TNU-A (-BS) | |
| | 460V | | PUHY-P192YSNU-A (-BS) | PUHY-P216YSNU-A (-BS) | PUHY-P240YSNU-A (-BS) | PUHY-P264YSNU-A (-BS) | PUHY-P288YSNU-A (-BS) |
| | | With 2 PUHY-P96YNU-A (-BS) | With 1 PUHY-P120YNU-A (-BS) and 1 PUHY-P96YNU-A (-BS) | With 2 PUHY-P120YNU-A (-BS) | With 2 PUHY-P96YNU-A (-BS) and 1 PUHY-P72YNU-A (-BS) | With PUHY-P120YNU-A (-BS) and PUHY-P96YNU-A (-BS) and PUHY-P72YNU-A (-BS) | |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz 3-phase 3-wire 460 V ±10% 60 Hz | | | | |
| Capacity (Nominal) | Cooling | Btu/h | 192,000 | 216,000 | 240,000 | 264,000 | 288,000 |
| | Heating | Btu/h | 216,000 | 243,000 | 270,000 | 296,000 | 323,000 |
| Electrical Supply | MCA | A | Refer to: PUHY-P96TNU-A (-BS) | Refer to: PUHY-P120TNU-A (-BS) PUHY-P96TNU-A (-BS) | Refer to: PUHY-P120TNU-A (-BS) | Refer to: PUHY-P96TNU-A (-BS) PUHY-P72TNU-A (-BS) | Refer to: PUHY-P120TNU-A (-BS) PUHY-P96TNU-A (-BS) PUHY-P72TNU-A (-BS) |
| | MOP | A | | | | | |
| | SCCR | A | PUHY-P96YNU-A (-BS) | PUHY-P120YNU-A (-BS) PUHY-P96YNU-A (-BS) | PUHY-P120YNU-A (-BS) | PUHY-P96YNU-A (-BS) PUHY-P72YNU-A (-BS) | PUHY-P120YNU-A (-BS) PUHY-P96YNU-A (-BS) PUHY-P72YNU-A (-BS) |
| | Recommended Fuse Size | A | | | | | |
| Fan | Type X Quantity | | | | | | |
| | Airflow Rate | CFM | | | | | |
| | External Static Pressure | | | | | | |
| Compressor | Type X Quantity | | | | | | |
| | Operating Range | | 7.5% to 100% | 7.5% to 100% | 7.5% to 100% | 5% to 100% | 5% to 100% |
| | Lubricant | | | | | | |
| Refrigerant | Type | | Refer to: PUHY-P96TNU-A (-BS) | Refer to: PUHY-P120TNU-A (-BS) PUHY-P96TNU-A (-BS) | Refer to: PUHY-P120TNU-A (-BS) | Refer to: PUHY-P96TNU-A (-BS) PUHY-P72TNU-A (-BS) | Refer to: PUHY-P120TNU-A (-BS) PUHY-P96TNU-A (-BS) PUHY-P72TNU-A (-BS) |
| External Finish | | | | | | | |
| Dimensions | Height | In. | PUHY-P96YNU-A (-BS) | PUHY-P120YNU-A (-BS) PUHY-P96YNU-A (-BS) | PUHY-P120YNU-A (-BS) | PUHY-P96YNU-A (-BS) PUHY-P72YNU-A (-BS) | PUHY-P120YNU-A (-BS) PUHY-P96YNU-A (-BS) PUHY-P72YNU-A (-BS) |
| | Width | | | | | | |
| | Depth | | | | | | |
| Net Weight | | lbs. | | | | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 60.0/62.0 | 62.0/64.0 | 63.5/65.5 | 61.0/63.0 | 62.5/65.0 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 79.0/81.0 | 81.5/83.0 | 83.5/84.5 | 80.0/82.0 | 82.5/84.0 |
| Protection Devices | High Pressure | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | | | | |
| | Inverter Circuit (Compressor/Fan) | Over-current protection | | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 5/8 Brazed | 5/8 Brazed | 5/8 Brazed | 3/4 Brazed | 3/4 Brazed |
| | Gas (Low Pressure) (Brazed) | | 1-1/8 Brazed | 1-1/8 Brazed | 1-1/8 Brazed | 1-3/8 Brazed | 1-3/8 Brazed |
| Indoor Unit Connectable | Total capacity | 50-130% of outdoor unit capacity | | | | | |
| | Model / Quantity | P05-P96/1-41 | P05-P96/2-46 | P05-P96/2-50 | P05-P96/2-50 | P05-P96/2-50 | |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | 23-126°F (-5-52°C) | | | | | |
| | Heating (Outdoor) *3 | -4-60°F (-20-15.5°C) | | | | | |
| Extended Operating Range *4 | Heating (Outdoor) | -18-60°F (-28-15.5°C) | | | | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | 12.4 / 13.6 | 11.9 / 13.0 | 11.4 / 11.8 | 12.2 / 12.6 | 11.9 / 12.2 | |
| | IEER (Ducted/Non-Ducted) | 25.0 / 31.3 | 23.8 / 29.5 | 22.6 / 26.3 | 24.3 / 29.3 | 23.5 / 28.3 | |
| | COP (Ducted/Non-Ducted) | 3.70 / 4.06 | 3.57 / 3.93 | 3.45 / 3.59 | 3.66 / 3.84 | 3.58 / 3.78 | |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PUHY-PT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼ Y-SERIES (STANDARD EFFICIENCY)

PUHY-P** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | |
|--|-----------------------------------|-------|--|--|-----------------------------------|
| VOLTAGES | 208V /230V | | PUHY-P312TSNU-A (-BS) | PUHY-P336TSNU-A (-BS) | PUHY-P360TSNU-A (-BS) |
| | | | With 2 PUHY-P120TNU-A (-BS) and 1 PUHY-P72TNU-A (-BS) | With 2 PUHY-P120TNU-A (-BS) and 1 PUHY-P96TNU-A (-BS) | With 3 PUHY-P120TNU-A (-BS) |
| | 460V | | PUHY-P312YSNU-A (-BS) | PUHY-P336YSNU-A (-BS) | PUHY-P360YSNU-A (-BS) |
| | | | With 2 PUHY-P120YNU-A (-BS) and 1 PUHY-P72YNU-A (-BS) | With 2 PUHY-P120YNU-A (-BS) and 1 PUHY-P96YNU-A (-BS) | With 3 PUHY-P120YNU-A (-BS) |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | |
| Capacity (Nominal) | Cooling | Btu/h | 312,000 | 336,000 | 360,000 |
| | Heating | Btu/h | 350,000 | 378,000 | 405,000 |
| Electrical Supply | MCA | A | Refer to: PUHY-P120TNU-A (-BS) PUHY-P72TNU-A (-BS) | Refer to: PUHY-P120TNU-A (-BS) PUHY-P96TNU-A (-BS) | Refer to: PUHY-P120TNU-A (-BS) |
| | MOP | A | | | |
| | SCCR | A | PUHY-P120YNU-A (-BS) PUHY-P72YNU-A (-BS) | PUHY-P120YNU-A (-BS) PUHY-P96YNU-A (-BS) | PUHY-P120YNU-A (-BS) |
| | Recommended Fuse Size | A | | | |
| Fan | Type X Quantity | | | | |
| | Airflow Rate | CFM | | | |
| | External Static Pressure | | | | |
| Compressor | Type X Quantity | | 5% to 100% | 5% to 100% | 5% to 100% |
| | Operating Range | | | | |
| | Lubricant | | | | |
| Refrigerant | Type | | Refer to: PUHY-P120TNU-A (-BS) PUHY-P72TNU-A (-BS) | Refer to: PUHY-P120TNU-A (-BS) PUHY-P96TNU-A (-BS) | Refer to: PUHY-P120TNU-A (-BS) |
| External Finish | | | | | |
| Dimensions | Height | In. | PUHY-P120YNU-A (-BS) PUHY-P72YNU-A (-BS) | PUHY-P120YNU-A (-BS) PUHY-P96YNU-A (-BS) | PUHY-P120YNU-A (-BS) |
| | Width | | | | |
| | Depth | | | | |
| Net Weight | | lbs. | | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 64.0/66.0 | 64.0/66.0 | 65.0/67.0 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 84.0/85.0 | 84.0/85.0 | 85.0/86.0 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter Circuit (Compressor/Fan) | | Over-current protection | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 3/4 Brazed | | |
| | Gas (Low Pressure) (Brazed) | | 1-3/8 Brazed | 1-5/8 Brazed | 1-5/8 Brazed |
| Indoor Unit Connectable | Total capacity | | 50-130% of outdoor unit capacity | | |
| | Model / Quantity | | P05-P96/2-50 | | |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | |
| | Heating (Outdoor) *3 | | -4-60°F (-20-15.5°C) | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -18-60°F (-28-15.5°C) | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 11.6 / 11.7 | 11.7 / 11.8 | 11.3 / 11.5 |
| | IEER (Ducted/ Non-Ducted) | | 22.7 / 26.7 | 23.2 / 26.6 | 22.4 / 25.7 |
| | COP (Ducted/ Non-Ducted) | | 3.50 / 3.63 | 3.50 / 3.57 | 3.42 / 3.51 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PUHY-PT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼ Y-SERIES (STANDARD EFFICIENCY)

PUHY-P** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | |
|--|-----------------------------------|-------|---|---|--|
| VOLTAGES | 208V /230V | | PUHY-P384TSNU-A (-BS) With 1 PUHY-P144TNU-A (-BS) and 2 PUHY-P120TNU-A (-BS) | PUHY-P408TSNU-A (-BS) With 2 PUHY-P144TNU-A (-BS) and 1 PUHY-P120TNU-A (-BS) | PUHY-P432TSNU-A (-BS) With 3 PUHY-P144TNU-A (-BS) |
| | | 460V | PUHY-P384YSNU-A (-BS) With 1 PUHY-P144YNU-A (-BS) and 2 PUHY-P120YNU-A (-BS) | PUHY-P408YSNU-A (-BS) With 2 PUHY-P144YNU-A (-BS) and 1 PUHY-P120YNU-A (-BS) | PUHY-P432YSNU-A (-BS) With 3 PUHY-P144YNU-A (-BS) |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz 3-phase 3-wire 460 V ±10% 60 Hz | | |
| Capacity (Nominal) | Cooling | Btu/h | 384,000 | 408,000 | 432,000 |
| | Heating | Btu/h | 430,000 | 455,000 | 480,000 |
| Electrical Supply | MCA | A | Refer to: PUHY-P144TNU-A (-BS) PUHY-P120TNU-A (-BS) | Refer to: PUHY-P144TNU-A (-BS) PUHY-P120TNU-A (-BS) | Refer to: PUHY-P144TNU-A (-BS) |
| | MOP | A | | | |
| | SCCR | A | PUHY-P144YNU-A (-BS) PUHY-P120YNU-A (-BS) | PUHY-P144YNU-A (-BS) PUHY-P120YNU-A (-BS) | PUHY-P144YNU-A (-BS) |
| | Recommended Fuse Size | A | | | |
| Fan | Type X Quantity | | | | |
| | Airflow Rate | CFM | | | |
| | External Static Pressure | | | | |
| Compressor | Type X Quantity | | 5% to 100% | 5% to 100% | 5% to 100% |
| | Operating Range | | | | |
| | Lubricant | | | | |
| Refrigerant | Type | | Refer to: | Refer to: | Refer to: |
| External Finish | | | PUHY-P144TNU-A (-BS) PUHY-P120TNU-A (-BS) | PUHY-P144TNU-A (-BS) PUHY-P120TNU-A (-BS) | PUHY-P144TNU-A (-BS) |
| Dimensions | Height | In. | PUHY-P144YNU-A (-BS) PUHY-P120YNU-A (-BS) | PUHY-P144YNU-A (-BS) PUHY-P120YNU-A (-BS) | PUHY-P144YNU-A (-BS) |
| | Width | | | | |
| | Depth | | | | |
| Net Weight | | lbs. | | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 66.0/68.5 | 67.0/69.0 | 67.5/70.0 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 86.5/87.5 | 87.0/88.0 | 88.0/89.0 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter Circuit (Compressor/Fan) | | Over-current protection | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 3/4 Brazed | | |
| | Gas (Low Pressure) (Brazed) | | 1-5/8 Brazed | | |
| Indoor Unit Connectable | Total capacity | | 50-130% of outdoor unit capacity | | |
| | Model / Quantity | | P05-P96/2-50 | P05-P96/3-50 | P05-P96/3-50 |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | |
| | Heating (Outdoor) *3 | | -4-60°F (-20-15.5°C) | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -18-60°F (-28-15.5°C) | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 11.3 / 11.2 | 11.3 / 10.9 | 11.3 / 10.7 |
| | IEER (Ducted/Non-Ducted) | | 22.3 / 25.8 | 22.2 / 25.8 | 22.1 / 25.9 |
| | COP (Ducted/Non-Ducted) | | 3.39 / 3.45 | 3.35 / 3.38 | 3.31 / 3.32 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PUHY-PT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: Y-SERIES (HIGH EFFICIENCY)

PUHY-EP** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | |
|--|-----------------------------------|--|--|---|---|
| VOLTAGES | | 208V /230V | PUHY-EP72TNU-A (-BS) | PUHY-EP96TNU-A (-BS) | PUHY-EP120TNU-A (-BS) |
| | | 460V | PUHY-EP72YNU-A (-BS) | PUHY-EP96YNU-A (-BS) | PUHY-EP120YNU-A (-BS) |
| Power Source | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | | |
| | | 3-phase 3-wire 460 V ±10% 60 Hz | | | |
| Capacity (Nominal) | Cooling | Btu/h | 72,000 | 96,000 | 120,000 |
| | Heating | Btu/h | 80,000 | 108,000 | 135,000 |
| Electrical Supply | MCA | A | 23-21 | 31-29 | 40-37 |
| | | | 10 | 14 | 18 |
| | MOP | A | 35-30 | 45-40 | 60-50 |
| | | | 15 | 20 | 25 |
| SCCR | A | 5 | 5 | 5 | |
| Recommended Fuse Size | A | 30 | 40 | 50 | |
| | | 15 | 20 | 25 | |
| Fan | Type X Quantity | | Propeller fan x 1 | Propeller fan x 2 | Propeller fan x 2 |
| | Airflow Rate | CFM | 6,000 | 6,700 | 7,750 |
| | External Static Pressure | | Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG | | |
| Compressor | Type X Quantity | | Inverter scroll hermetic compressor x 1 | | |
| | Operating Range | | 15% to 100% | 15% to 100% | 15% to 100% |
| | Lubricant | | MEL32 | | |
| Refrigerant | Type | | R410A | | |
| External Finish | | Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | |
| Dimensions | Height | In. | 71-5/8 | | |
| | Width | | 36-1/4 | 48-7/8 | 48-7/8 |
| | Depth | | 29-3/16 | | |
| Net Weight | | lbs. | 512 | 622 | 633 |
| | | | 545 | 657 | 668 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 55.0/57.0 | 56.0/58.5 | 59.5/61.5 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 74.0/76.0 | 75.0/77.5 | 79.5/80.5 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter Circuit (Compressor/Fan) | | Over-current protection | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 3/8 Brazed | 3/8 Brazed (1/2 Brazed, the farthest pipe length >= 90 m) | 3/8 Brazed (1/2 Brazed, the farthest pipe length >= 40 m) |
| | Gas (Low Pressure) (Brazed) | | 7/8 Brazed | 7/8 Brazed | 1-1/8 Brazed |
| Indoor Unit Connectable | Total capacity | | 50-130% of outdoor unit capacity | | |
| | Model / Quantity | | P05-P72/1-15 | P05-P96/1-20 | P05-P96/1-26 |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | |
| | Heating (Outdoor) *3 | | -13F-60°F (-25-15.5°C) | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -25-60°F (-31.5-15.5°C) | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 13.5 / 15.5 | 14.1 / 15.3 | 13.3 / 14.3 |
| | IEER (Ducted/Non-Ducted) | | 25.3 / 32.5 | 26.7 / 34.0 | 25.4 / 30.8 |
| | COP (Ducted/Non-Ducted) | | 4.05 / 4.57 | 4.04 / 4.39 | 3.80 / 4.21 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: Y-SERIES (HIGH EFFICIENCY)

PUHY-EP** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | |
|--|-----------------------------------|--|--|-----------------------|--------------|
| VOLTAGES | 208V / 230V | PUHY-EP144TNU-A (-BS) | PUHY-EP168TNU-A (-BS) | PUHY-EP192TNU-A (-BS) | |
| | 460V | PUHY-EP144YNU-A (-BS) | PUHY-EP168YNU-A (-BS) | PUHY-EP192YNU-A (-BS) | |
| Power Source | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | | |
| | | 3-phase 3-wire 460 V ±10% 60 Hz | | | |
| Capacity (Nominal) | Cooling | Btu/h | 144,000 | 168,000 | 192,000 |
| | Heating | Btu/h | 160,000 | 188,000 | 215,000 |
| Electrical Supply | MCA | A | 47-44 | 56-51 | 68-62 |
| | | | 21 | 25 | 31 |
| | MOP | A | 70-70 | 90-80 | 110-100 |
| | | | 35 | 40 | 40 |
| | SCCR | A | 5 | 5 | 5 |
| Recommended Fuse Size | A | 60 | 70 | 70 | |
| | | | 30 | 40 | 40 |
| Fan | Type X Quantity | | Propeller fan x 2 | | |
| | Airflow Rate | CFM | 9,200 | 10,600 | 12,700 |
| | External Static Pressure | | Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG | | |
| Compressor | Type X Quantity | | Inverter scroll hermetic compressor x 1 | | |
| | Operating Range | | 15% to 100% | 15% to 100% | 15% to 100% |
| | Lubricant | | MEL32 | | |
| Refrigerant | Type | | R410A | | |
| External Finish | | Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 3Y 7.8/1.1 or similar> | | | |
| Dimensions | Height | In. | 71-5/8 | | |
| | Width | | 48-7/8 | 68-15/16 | 68-15/16 |
| | Depth | | 29-3/16 | | |
| Net Weight | | lbs. | 680 | 757 | 757 |
| | | | 715 | 788 | 788 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 62.0/64.5 | 60.0/61.5 | 61.5/63.5 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 82.5/83.5 | 78.5/80.5 | 80.0/82.5 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter Circuit (Compressor/Fan) | | Over-current protection | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 1/2 Brazed | 5/8 Brazed | 5/8 Brazed |
| | Gas (Low Pressure) (Brazed) | | 1-1/8 Brazed | 1-1/8 Brazed | 1-1/8 Brazed |
| Indoor Unit Connectable | Total capacity | | 50-130% of outdoor unit capacity | | |
| | Model / Quantity | | P05-P96/1-31 | P05-P96/1-36 | P05-P96/1-41 |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | |
| | Heating (Outdoor) *3 | | -13F-60°F (-25-15.5°C) | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -25-60°F (-31.5-15.5°C) | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 12.4 / 13.4 | 11.7 / 12.4 | 10.7 / 11.7 |
| | IEER (Ducted/Non-Ducted) | | 24.6 / 30.4 | 24.0 / 31.2 | 23.1 / 30.0 |
| | COP (Ducted/Non-Ducted) | | 3.68 / 4.01 | 3.61 / 4.11 | 3.51 / 4.04 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

- 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.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼ Y-SERIES (HIGH EFFICIENCY)

PURY-EP** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | |
|--|-----------------------------------|-------|---|-------------------------------------|
| VOLTAGES | 208V /230V | | PUHY-EP216TNU-A (-BS) | PUHY-EP240TNU-A (-BS) |
| | 460V | | PUHY-EP216YNU-A (-BS) | PUHY-EP240YNU-A (-BS) |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | |
| Capacity (Nominal) | Cooling | Btu/h | 216,000 | 240,000 |
| | Heating | Btu/h | 243,000 | 250,000 |
| Electrical Supply | MCA | A | 71/65 32 | 79/73 36 |
| | MOP | A | 110/110 50 | 125/110 60 |
| | SCCR | A | 5 | |
| | Recommended Fuse Size | A | 80/80 40 | 90/90 50 |
| Fan | Type X Quantity | | Propeller fan x 2 | |
| | Airflow Rate | CFM | 14,100 | |
| | External Static Pressure | | Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG | |
| Compressor | Type X Quantity | | Inverter scroll hermetic compressor x 1 | Inverter scroll hermetic compressor |
| | Operating Range | | 15% to 100% | 15% to 100% |
| | Lubricant | | MEL32 | |
| Refrigerant | Type | | R410A | |
| External Finish | | | "Pre-coated galvanized steel sheet (+powder coating for -BS type) <MUNSELL 5Y 8/1>" | |
| Dimensions | Height | In. | 71-5/8 | |
| | Width | | 68-15/16 | |
| | Depth | | 29-3/16 | |
| Net Weight | | lbs. | 874 (396) | |
| | | | 904 (410) | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 66.5/67.5 | 67.5/68.0 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 85.5/86.5 | 86.5/87.0 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | |
| | Inverter Circuit (Compressor/Fan) | | Over-heat protection, Over-current protection | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 5/8 (15.88) Brazed | |
| | Gas (Low Pressure) (Brazed) | | 1-1/8 (28.58) Brazed | |
| Indoor Unit Connectable | Total capacity | | 50-150% of outdoor unit capacity | |
| | Model / Quantity | | P05-P96/2-46 | P05-P96/2-50 |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | |
| | Heating (Outdoor) *3 | | -4-60°F (-20-15.5°C) | |
| Extended Operating Range *4 | Heating (Outdoor) | | -25-60°F (-31.5-15.5°C) | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 11.0 / 11.9 | 10.6 / 10.6 |
| | IEER (Ducted/Non-Ducted) | | 20.5 / 26.0 | 20.3 / 24.1 |
| | COP (Ducted/Non-Ducted) | | 3.3 / 3.72 | 3.25 / 3.5 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°F D.B./67°F W.B. (26.7°C D.B./19.4°C W.B.), Outdoor: 95°F D.B. (35°C D.B.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°F D.B. (21.1°C D.B.), Outdoor: 47°F D.B./43°F W.B. (8.3°C D.B./6.1°C W.B.)

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼

Y-SERIES (HIGH EFFICIENCY)

PUHY-EP** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | | |
|--|-----------------------------------|-----------------------------|--|--|--|---|
| VOLTAGES | 208V /230V | | PUHY-EP192TSNU-A (-BS) | PUHY-EP216TSNU-A (-BS) | PUHY-EP240TSNU-A (-BS) | PUHY-EP264TSNU-A (-BS) |
| | | With 2 PUHY-EP96TNU-A (-BS) | With 1 PUHY-EP120TNU-A (-BS) and 1 PUHY-EP96TNU-A (-BS) | With 2 PUHY-EP120TNU-A (-BS) | With 2 PUHY-EP96TNU-A (-BS) and 1 PUHY-EP72TNU-A (-BS) | |
| | 460V | | PUHY-EP192YSNU-A (-BS) | PUHY-EP216YSNU-A (-BS) | PUHY-EP240YSNU-A (-BS) | PUHY-EP264YSNU-A (-BS) |
| | | With 2 PUHY-EP96YNU-A (-BS) | With 1 PUHY-EP120YNU-A (-BS) and 1 PUHY-EP96YNU-A (-BS) | With 2 PUHY-EP120YNU-A (-BS) | With 2 PUHY-EP96YNU-A (-BS) and 1 PUHY-EP72YNU-A (-BS) | |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | | |
| Capacity (Nominal) | Cooling | Btu/h | 192,000 | 216,000 | 240,000 | 264,000 |
| | Heating | Btu/h | 216,000 | 243,000 | 270,000 | 296,000 |
| Electrical Supply | MCA | A | Refer to: PUHY-EP96TNU-A (-BS) | Refer to: PUHY-EP120TNU-A (-BS) PUHY-EP96TNU-A (-BS) | Refer to: PUHY-EP120TNU-A (-BS) | Refer to: PUHY-EP96TNU-A (-BS) PUHY-EP72TNU-A (-BS) |
| | MOP | A | | | | |
| | SCCR | A | PUHY-EP96YNU-A (-BS) | PUHY-EP120YNU-A (-BS) PUHY-EP96YNU-A (-BS) | PUHY-EP120YNU-A (-BS) | PUHY-EP96YNU-A (-BS) PUHY-EP72YNU-A (-BS) |
| | Recommended Fuse Size | A | | | | |
| Fan | Type X Quantity | | | | | |
| | Airflow Rate | CFM | | | | |
| | External Static Pressure | | | | | |
| Compressor | Type X Quantity | | | | | |
| | Operating Range | | 7.5% to 100% | 7.5% to 100% | 7.5% to 100% | 5% to 100% |
| | Lubricant | | | | | |
| Refrigerant | Type | | Refer to: PUHY-EP96TNU-A (-BS) | Refer to: PUHY-EP120TNU-A (-BS) PUHY-EP96TNU-A (-BS) | Refer to: PUHY-EP120TNU-A (-BS) | Refer to: PUHY-EP96TNU-A (-BS) PUHY-EP72TNU-A (-BS) |
| External Finish | | | | | | |
| Dimensions | Height | In. | PUHY-EP96YNU-A (-BS) | PUHY-EP120YNU-A (-BS) PUHY-EP96YNU-A (-BS) | PUHY-EP120YNU-A (-BS) | PUHY-EP96YNU-A (-BS) PUHY-EP72YNU-A (-BS) |
| | Width | | | | | |
| | Depth | | | | | |
| Net Weight | | lbs. | | | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 59.5/62.0 | 61.5/63.5 | 63.0/65.0 | 60.5/63.0 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 78.5/81.0 | 81.0/82.5 | 83.0/84.0 | 79.5/82.0 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | | |
| | Inverter Circuit (Compressor/Fan) | | Over-current protection | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 5/8 Brazed | 5/8 Brazed | 5/8 Brazed | 3/4 Brazed |
| | Gas (Low Pressure) (Brazed) | | 1-1/8 Brazed | 1-1/8 Brazed | 1-1/8 Brazed | 1-3/8 Brazed |
| Indoor Unit Connectable | Total capacity | | 50-130% of outdoor unit capacity | | | |
| | Model / Quantity | | P05-P96/1-41 | P05-P96/2-46 | P05-P96/2-50 | P05-P96/2-50 |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | | |
| | Heating (Outdoor) *3 | | -13F-60°F (-25-15.5°C) | | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -25-60°F (-31.5-15.5°C) | | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 13.0 / 14.3 | 12.7 / 13.8 | 12.3 / 12.5 | 12.7 / 13.4 |
| | IEER (Ducted/Non-Ducted) | | 25.3 / 32.6 | 24.8 / 31.1 | 24.2 / 27.7 | 24.6 / 30.0 |
| | COP (Ducted/Non-Ducted) | | 3.75 / 4.11 | 3.65 / 4.03 | 3.54 / 3.73 | 3.72 / 3.94 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PUHY-EPT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼ Y-SERIES (HIGH EFFICIENCY)

PUHY-EP** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | | |
|--|-----------------------------------|--|--|--|--|------------------------------------|
| VOLTAGES | 208V /230V | | PUHY-EP288TSNU-A (-BS) | PUHY-EP312TSNU-A (-BS) | PUHY-EP336TSNU-A (-BS) | PUHY-EP360TSNU-A (-BS) |
| | | | With PUHY-EP120TNU-A (-BS) and PUHY-EP96TNU-A (-BS) and PUHY-EP72TNU-A (-BS) | With 2 PUHY-EP120TNU-A (-BS) and 1 PUHY-EP72TNU-A (-BS) | With 2 PUHY-EP120TNU-A (-BS) and 1 PUHY-EP96TNU-A (-BS) | With 3 PUHY-EP120TNU-A (-BS) |
| | 460V | | PUHY-EP288YSNU-A (-BS) | PUHY-EP312YSNU-A (-BS) | PUHY-EP336YSNU-A (-BS) | PUHY-EP360YSNU-A (-BS) |
| | | | With PUHY-EP120YNU-A (-BS) and PUHY-EP96YNU-A (-BS) and PUHY-EP72YNU-A (-BS) | With 2 PUHY-EP120YNU-A (-BS) and 1 PUHY-EP72YNU-A (-BS) | With 2 PUHY-EP120YNU-A (-BS) and 1 PUHY-EP96YNU-A (-BS) | With 3 PUHY-EP120YNU-A (-BS) |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | | |
| Capacity (Nominal) | Cooling | Btu/h | 288,000 | 312,000 | 336,000 | 360,000 |
| | Heating | Btu/h | 323,000 | 350,000 | 378,000 | 405,000 |
| Electrical Supply | MCA | A | Refer to: PUHY-EP120TNU-A (-BS) PUHY-EP96TNU-A (-BS) PUHY-EP72TNU-A (-BS) | Refer to: PUHY-EP120TNU-A (-BS) PUHY-EP72TNU-A (-BS) | Refer to: PUHY-EP120TNU-A (-BS) PUHY-EP96TNU-A (-BS) | Refer to: PUHY-EP120TNU-A (-BS) |
| | MOP | A | | | | |
| | SCCR | A | | | | |
| | Recommended Fuse Size | A | PUHY-EP120YNU-A (-BS) PUHY-EP96YNU-A (-BS) PUHY-EP72YNU-A (-BS) | PUHY-EP120YNU-A (-BS) PUHY-EP72YNU-A (-BS) | PUHY-EP120YNU-A (-BS) PUHY-EP96YNU-A (-BS) | PUHY-EP120YNU-A (-BS) |
| Fan | Type X Quantity | | | | | |
| | Airflow Rate | CFM | | | | |
| | External Static Pressure | | | | | |
| Compressor | Type X Quantity | | | | | |
| | Operating Range | | 5% to 100% | 5% to 100% | 5% to 100% | 5% to 100% |
| | Lubricant | | | | | |
| Refrigerant | Type | Refer to: PUHY-EP120TNU-A (-BS) PUHY-EP96TNU-A (-BS) PUHY-EP72TNU-A (-BS) | Refer to: PUHY-EP120TNU-A (-BS) PUHY-EP72TNU-A (-BS) | Refer to: PUHY-EP120TNU-A (-BS) PUHY-EP96TNU-A (-BS) | Refer to: PUHY-EP120TNU-A (-BS) | |
| External Finish | | | | | | |
| Dimensions | Height | In. | | | | |
| | Width | | PUHY-EP120YNU-A (-BS) PUHY-EP96YNU-A (-BS) PUHY-EP72YNU-A (-BS) | PUHY-EP120YNU-A (-BS) PUHY-EP72YNU-A (-BS) | PUHY-EP120YNU-A (-BS) PUHY-EP96YNU-A (-BS) | PUHY-EP120YNU-A (-BS) |
| | Depth | | | | | |
| Net Weight | | lbs. | | | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 62.5/64.5 | 63.5/65.5 | 63.5/65.5 | 64.5/66.5 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 82.0/83.5 | 83.5/84.5 | 83.5/84.5 | 84.5/85.5 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | | |
| | Inverter Circuit (Compressor/Fan) | | Over-current protection | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 3/4 Brazed | | | |
| | Gas (Low Pressure) (Brazed) | | 1-3/8 Brazed | 1-3/8 Brazed | 1-5/8 Brazed | 1-5/8 Brazed |
| Indoor Unit Connectable | Total capacity | | 50-130% of outdoor unit capacity | | | |
| | Model / Quantity | | P05-P96/2-50 | | | |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | | |
| | Heating (Outdoor) *3 | | -13F-60°F (-25-15.5°C) | | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -25-60°F (-31.5-15.5°C) | | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 12.4 / 13.2 | 12.2 / 12.6 | 12.4 / 12.3 | 12.2 / 12.1 |
| | IEER (Ducted/Non-Ducted) | | 24.2 / 29.3 | 23.9 / 27.7 | 24.3 / 27.6 | 24.0 / 26.9 |
| | COP (Ducted/Non-Ducted) | | 3.65 / 3.91 | 3.58 / 3.78 | 3.58 / 3.68 | 3.51 / 3.65 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PUHY-EPT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: ▼ Y-SERIES (HIGH EFFICIENCY)

PUHY-EP** (T/Y) NU-A

| SPECIFICATIONS | | | MODEL NAMES | | |
|--|-----------------------------------|-------|--|---|------------------------------------|
| VOLTAGES | 208V /230V | | PUHY-EP384TSNU-A (-BS) | PUHY-EP408TSNU-A (-BS) | PUHY-EP432TSNU-A (-BS) |
| | | | With 1 PUHY-EP144TNU-A (-BS) and 2 PUHY-EP120TNU-A (-BS) | With 2 PUHY-EP144TNU-A (-BS) and 1 PUHY-EP120TNU-A (-BS) | With 3 PUHY-EP144TNU-A (-BS) |
| | 460V | | PUHY-EP384YSNU-A (-BS) | PUHY-EP408YSNU-A (-BS) | PUHY-EP432YSNU-A (-BS) |
| | | | With 1 PUHY-EP144YNU-A (-BS) and 2 PUHY-EP120YNU-A (-BS) | With 2 PUHY-EP144YNU-A (-BS) and 1 PUHY-EP120YNU-A (-BS) | With 3 PUHY-EP144YNU-A (-BS) |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | |
| Capacity (Nominal) | Cooling | Btu/h | 384,000 | 408,000 | 432,000 |
| | Heating | Btu/h | 430,000 | 455,000 | 480,000 |
| Electrical Supply | MCA | A | Refer to: PUHY-EP144TNU-A (-BS) PUHY-EP120TNU-A (-BS) | Refer to: PUHY-EP144TNU-A (-BS) PUHY-EP120TNU-A (-BS) | Refer to: PUHY-EP144TNU-A (-BS) |
| | MOP | A | | | |
| | SCCR | A | PUHY-EP144YNU-A (-BS) PUHY-EP120YNU-A (-BS) | PUHY-EP144YNU-A (-BS) PUHY-EP120YNU-A (-BS) | PUHY-EP144YNU-A (-BS) |
| | Recommended Fuse Size | A | | | |
| Fan | Type X Quantity | | | | |
| | Airflow Rate | CFM | | | |
| | External Static Pressure | | | | |
| Compressor | Type X Quantity | | | | |
| | Operating Range | | 5% to 100% | 5% to 100% | 5% to 100% |
| | Lubricant | | Refer to: | Refer to: | Refer to: |
| Refrigerant | Type | | PUHY-EP144TNU-A (-BS) PUHY-EP120TNU-A (-BS) | PUHY-EP144TNU-A (-BS) PUHY-EP120TNU-A (-BS) | PUHY-EP144TNU-A (-BS) |
| External Finish | | | | | |
| Dimensions | Height | In. | PUHY-EP144YNU-A (-BS) PUHY-EP120YNU-A (-BS) | PUHY-EP144YNU-A (-BS) PUHY-EP120YNU-A (-BS) | PUHY-EP144YNU-A (-BS) |
| | Width | | | | |
| | Depth | | | | |
| Net Weight | | lbs. | | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 65.5/68.0 | 66.5/68.5 | 67.0/69.5 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 86.0/87.0 | 86.5/87.5 | 87.5/88.5 |
| Protection Devices | High Pressure | | High pressure sensor, High pressure switch at 4.15 MPa (601 psi) | | |
| | Inverter Circuit (Compressor/Fan) | | Over-current protection | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 3/4 Brazed | | |
| | Gas (Low Pressure) (Brazed) | | 1-5/8 Brazed | | |
| Indoor Unit Connectable | Total capacity | | 50-130% of outdoor unit capacity | | |
| | Model / Quantity | | P05-P96/2-50 | P05-P96/3-50 | P05-P96/3-50 |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | |
| | Heating (Outdoor) *3 | | -13F-60°F (-25-15.5°C) | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -25-60°F (-31.5-15.5°C) | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 11.9 / 11.8 | 11.7 / 11.4 | 11.4 / 11.1 |
| | IEER (Ducted/Non-Ducted) | | 23.8 / 26.6 | 23.5 / 26.3 | 23.3 / 25.9 |
| | COP (Ducted/Non-Ducted) | | 3.48 / 3.57 | 3.45 / 3.49 | 3.41 / 3.41 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PUHY-EPT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS:
Y-SERIES (HYPER HEATING)

PUHY-HP (T/Y) NU-A**

| SPECIFICATION | | | MODEL NAMES | | |
|--|------------------------------------|-------|---|---|---|
| VOLTAGES | 208V /230V | | PUHY-HP72TNU-A | PUHY-HP96TNU-A | PUHY-HP120TNU-A |
| | 460V | | PUHY-HP72YNU-A | PUHY-HP96YNU-A | PUHY-HP120YNU-A |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | |
| Capacity (Nominal) | Cooling | Btu/h | 72,000 | 96,000 | 120,000 |
| | Heating | Btu/h | 80,000 | 108,000 | 135,000 |
| Electrical Supply | MCA | A | 38-35 | 43-40 | 47-43 |
| | | | 17 | 20 | 21 |
| | MOP | A | 60-50 | 70-60 | 70-60 |
| | | | 25 | 30 | 35 |
| | SCCR | A | 5 | 5 | 5 |
| Recommended Fuse Size | A | 55 | 70 | 70 | |
| | | 25 | 30 | 35 | |
| Fan | Type X Quantity | | Propeller fan x 2 | Propeller fan x 2 | Propeller fan x 2 |
| | Airflow Rate | CFM | 6,700 | 7,400 | 7,750 |
| | External Static Pressure | | Selectable; 0, 0.12, 0.24, 0.32 in.WG; factory set to 0 in.WG | | |
| Compressor | Type X Quantity | | Inverter scroll hermetic compressor x 1 | | |
| | Operating Range | | 15% to 100% | 15% to 100% | 15% to 100% |
| | Lubricant | | MEL46 | | |
| Refrigerant | Type | | R410A | | |
| External Finish | | | Pre-coated galvanized steel sheet <MUNSELL 3Y 7.8/1.1 or similar> | | |
| Dimensions | Height | In. | 71-5/8 | | |
| | Width | In. | 48-7/8 | | |
| | Depth | In. | 29-3/16 | | |
| Net Weight | | lbs. | 609 | 653 | 655 |
| | | | 644 | 688 | 691 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 55.0/57.0 | 56.0/58.5 | 59.5/61.5 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 74.0/76.0 | 75.0/77.5 | 79.5/80.5 |
| Protection Devices | High Pressure | | Over-current protection | | |
| | Inverter Circuit (Compressor/ Fan) | | Over-current protection | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 3/8 Brazed | 3/8 Brazed (1/2 Brazed, the farthest pipe length >= 90 m) | 3/8 Brazed (1/2 Brazed, the farthest pipe length >= 40 m) |
| | Gas (Low Pressure) (Brazed) | In. | 7/8 Brazed | 7/8 Brazed | 1-1/8 Brazed |
| Indoor Unit Connectable | Total capacity | | 50-130% of outdoor unit capacity | | |
| | Model / Quantity | | P05-P72/1-15 | P05-P96/1-20 | P05-P96/1-26 |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | |
| | Heating (Outdoor) *3 | | -22-60°F (-30-15.5°C) | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -31-60°F (-35-15.5°C) | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 11.9 / 13.1 | 13.8 / 15.1 | 12.5 / 14.1 |
| | IEER (Ducted/Non-Ducted) | | 21.1 / 27.2 | 19.8 / 26.7 | 19.7 / 24.5 |
| | COP (Ducted/Non-Ducted) | | 4.03 / 4.39 | 4 / 4.35 | 3.76 / 4.26 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PUHY-EPT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.
2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.
3. 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.
4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.
5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: Y-SERIES (HYPER HEATING)

PUHY-HP** (T/Y) NU-A

| SPECIFICATION | | | MODEL NAMES | | |
|--|-----------------------------------|-----------------------|-------------------------------------|-----------------------------|------------------------------|
| VOLTAGES | 208V /230V | | PUHY-HP144TSNU-A | PUHY-HP192TSNU-A | PUHY-HP240TSNU-A |
| | | With 2 PUHY-HP72TNU-A | With 2 PUHY-HP96TNU-A | With 2 PUHY-HP120TNU-A | |
| | 460V | | PUHY-HP144YSNU-A | PUHY-HP192YSNU-A | PUHY-HP240YSNU-A |
| | | With 2 PUHY-HP72YNU-A | With 2 PUHY-HP96YNU-A | With 2 PUHY-HP120YNU-A | |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | |
| Capacity (Nominal) | Cooling | Btu/h | 144,000 | 192,000 | 240,000 |
| | Heating | Btu/h | 160,000 | 215,000 | 270,000 |
| Electrical Supply | MCA | A | Refer to: PUHY-HP72TNU-A | Refer to: PUHY-HP96TNU-A | Refer to: PUHY-HP120TNU-A |
| | MOP | A | | | |
| | SCCR | A | PUHY-HP72YNU-A | PUHY-HP96YNU-A | PUHY-HP120YNU-A |
| | Recommended Fuse Size | A | | | |
| Fan | Type X Quantity | | | | |
| | Airflow Rate | CFM | | | |
| | External Static Pressure | | | | |
| Compressor | Type X Quantity | | 7.5% to 100% | 7.5% to 100% | 7.5% to 100% |
| | Operating Range | | | | |
| Refrigerant | Type | | Refer to: PUHY-HP72TNU-A | Refer to: PUHY-HP96TNU-A | Refer to: PUHY-HP120TNU-A |
| | Lubricant | | | | |
| External Finish | | | PUHY-HP72YNU-A | PUHY-HP96YNU-A | PUHY-HP120YNU-A |
| Dimensions | Height | In. | | | |
| | Width | In. | | | |
| | Depth | In. | | | |
| Net Weight | | Lbs. | | | |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 58.5/60.5 | 59.5/62.0 | 63.0/65.0 |
| Sound Pressure Level (Measured in Anechoic Room) | | dB(A) | 77.5/79.5 | 78.5/81.0 | 83.0/84.0 |
| Protection Devices | High Pressure | | Over-current protection | | |
| | Inverter Circuit (Compressor/Fan) | | Over-current protection | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Braze) | In. | 1/2 Braze | 5/8 Braze | 5/8 Braze |
| | Gas (Low Pressure) (Braze) | In. | 1-1/8 Braze | 1-1/8 Braze | 1-1/8 Braze |
| Indoor Unit Connectable | Total capacity | | 50-130% of outdoor unit capacity | | |
| | Model / Quantity | | P05-P96/1-31 | | |
| Guaranteed Operating Range *1 | Cooling (Outdoor) *2 | | 23-126°F (-5-52°C) | | |
| | Heating (Outdoor) *3 | | -22-60°F (-30-15.5°C) | | |
| Extended Operating Range *4 | Heating (Outdoor) | | -31-60°F (-35-15.5°C) | | |
| Efficiency Ratings *5 | EER (Ducted/Non-Ducted) | | 10.8 / 12.1 | 12.8 / 14.1 | 11.5 / 12.4 |
| | IEER (Ducted/Non-Ducted) | | 19.7 / 25.9 | 18.8 / 25.6 | 18.7 / 22 |
| | COP (Ducted/Non-Ducted) | | 3.69 / 4.1 | 3.71 / 4.07 | 3.5 / 3.78 |

NOTES:

Nominal cooling conditions (Test conditions are based on AHRI 1230) Indoor: 80°FDB./67°FWB. (26.7°CDB./19.4°CWB.), Outdoor: 95°FDB. (35°CDB.)

Nominal heating conditions (Test conditions are based on AHRI 1230) Indoor: 70°FDB. (21.1°CDB.), Outdoor: 47°FDB./43°FWB. (8.3°CDB./6.1°CWB.)

Twinning kit is required for combining multiple individual outdoor units in the field for PUHY-EPT(Y)SNU combined systems.

1. Harsh weather environments may demand performance enhancing equipment. Ask your Mitsubishi Electric representative for more details about your region.

2. For details on extended cooling operation range down to -10° F DB, see Low Ambient Kit Submittal.

3. 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.

4. Unit will continue to operate in extended operating range, but capacity is not guaranteed.

5. Efficiency ratings are based on AHRI 1230 test method



SPECIFICATIONS: S-SERIES (HYPER HEATING)

PUMY-P**NKMU2 and H21®

| SPECIFICATION | | | MODEL NAMES | | | | |
|---|--------------------------------------|--------------------|--|---------------------|----------------------------|--------------------------------|----------------|
| | | | PUMY-P36NKMU2(-BS) | PUMY-P48NKMU2(-BS) | PUMY-P60NKMU2(-BS) | PUMY-HP36NKMU | PUMY-HP48NKMU |
| Power Source | | | 208/230V, 1-Phase, 60Hz | | | | |
| Capacity *1 | Cooling | Btu/h | 36,000 | 48,000 | 60,000 | 36,000 | 48,000 |
| | Heating | Btu/h | 42,000 | 54,000 | 66,000 | 42,000 | 54,000 |
| Electrical Supply | MCA | A | 29 | | 36 | 36 | |
| | Maximum Overcurrent Protection (MOP) | A | 44 | | 45 | 44 | |
| Recommended Fuse Size | | A | 30 | | 40 | | |
| Short-circuit Current Rating (SCCR) | | kA | 5 | | | | |
| Fan | Type x Quantity | | Propeller Fan x 2 | | | | |
| | Airflow Rate | CFM | 3,885 | | 4,879 | 3,885 | |
| | Motor Output | kW | 2.8 | 3.3 | 3.9 | 2.8 | 3.4 |
| Compressor | Type | | INVERTER-driven Scroll Hermetic | | | | |
| | Operating Range | Cooling | 29% to 100% | 23% to 100% | 28% to 100% | 29% to 100% | 23% to 100% |
| | | Heating | 24% to 100% | 18% to 100% | 18% to 100% | 17% to 100% | 16% to 100% |
| | Motor Output | kW | 0.074 + 0.074 (two fan motors) | | 0.2 + 0.2 (two fan motors) | 0.074 + 0.074 (two fan motors) | |
| Lubricant | | FV50S (2.3 liters) | | FVC68D (2.3 liters) | FV50S (2.3 liters) | | |
| Refrigerant | | | R410A | | | | |
| External Finish | | | Galvanized Sheets (plus Powder Coating for -BS Model) Munsell 3Y 7.8/1.1 | | | | |
| Dimensions | Height | In. | 52-11/16 | | | | |
| | Width | In. | 41-11/32 | | | | |
| | Depth | In. | 13 (+1) | | | | |
| Net Weight | | Pounds | 267 | | 295 | 267 | |
| Sound Pressure Levels (As Measured in an Anechoic Room) | | dB(A) | 49/53 | 51/54 | 58/59 | 49/53 | 51/54 |
| Protection Devices | High Pressure Protection | | High Pressure Switch | | | | |
| | Compressor | | Discharge thermo protection, Over-current protection | | | | |
| | Inverter Circuit | | Over-heat protection, Over-current protection | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Flare) | In. | 3/8 | | | | |
| | Gas (Low Pressure) (Flare) | In. | 5/8 | 3/4 | 5/8 | | |
| Indoor Unit | Total Capacity | | 50 - 130% of Outdoor Unit Capacity | | | | |
| | Quantity | | P05-P36 / 1-9 | P05-P54 / 1-12 | P05-P72 / 1-12 | P05-P36 / 1-9 | P05-P54 / 1-12 |
| Operating Temperature Range | Cooling | | Outdoor: 5° to 115° F D.B. *3 *4 | | | | |
| | Heating | | Outdoor: -13° to +59° F W.B. | | | | |
| Efficiency Ratings *2 | | | | | | | |
| EER (Ducted/Non-Ducted) | | | 12.6 / 15.0 | 11.3 / 13.1 | 11.1 / 13.3 | 12.6 / 15.0 | 11.3 / 13.1 |
| SEER (Ducted/Non-Ducted) | | | 18.3 / 22.3 | 16.5 / 22.6 | 17.8 / 20.0 | 18.3 / 22.3 | 16.5 / 22.6 |
| COP (Ducted/Non-Ducted) | | | 3.7 / 4.0 | 3.3 / 4.0 | 3.7 / 4.1 | 3.7 / 4.0 | 3.3 / 4.0 |
| HSPF (Ducted/Non-Ducted) | | | 11.2 / 12.0 | 11.0 / 12.0 | 10.7 / 12.0 | 11.7 / 12.0 | 11.0 / 12.0 |

Notes:

*1 Rating Conditions:

Cooling | Indoor: 80° F (26.7° C) DB/67° F (19.4° C) WB; Outdoor: 95° F (35° C) DB.
Heating | Indoor: 70° F (21.1° C) DB; Outdoor: 47° F (8.3° C) DB/43° F (6.1° C) WB.

*2 Efficiencies values based in AHRI 210/240 test method.

*3 When using Wind Baffles [WB-PA3], the minimum operating range is 5° F.

Without Wind Baffles, the minimum operating range is 23° F.

*4 When connecting PKFY-P06NBMU/P08NHMU, PFFY-P06/08/12NEMU or PFFY-P06/08/12NRMU indoor units, the minimum operating range is 50° F.

-BS indicates Seacoast Protection option.

LIMITED WARRANTY | Seven-year warranty on compressor. One-year warranty on parts. See our website for details on specific additional application installation coverage.

Specifications are subject to change.



SPECIFICATIONS: L-GENERATION W-SERIES ▼

PQR-Y-P**T(Y)LMU-A1

| SPECIFICATIONS | | | MODEL NAMES | | | |
|--|---------------------------------|-----------|---|------------------|-------------------|-------------------|
| VOLTAGES | 208/230V | | PQR-Y-P72TLMU-A1 | PQR-Y-P96TLMU-A1 | PQR-Y-P120TLMU-A1 | PQR-Y-P144TLMU-A1 |
| | 460V | | PQR-Y-P72YLMU-A1 | PQR-Y-P96YLMU-A1 | PQR-Y-P120YLMU-A1 | PQR-Y-P144YLMU-A1 |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | | |
| Capacity (Nominal) *1 | Cooling | Btu/h | 72,000 | 96,000 | 120,000 | 144,000 |
| | Heating | Btu/h | 69,000 | 92,000 | 114,000 | 137,000 |
| Electrical Supply | MCA | A | 13/12 | 19/17 | 29/26 | 35/32 |
| | | | 6 | 9 | 13 | 16 |
| | MOP | A | 20/20 | 30/25 | 50/45 | 60/50 |
| | | | 15 | 15 | 20 | 25 |
| Compressor | Type x Quantity | | INVERTER-driven Scroll Hermetic x 1 | | | |
| | Operating Range | | 24% to 100% | 18% to 100% | 14% to 100% | 19% to 100% |
| | Lubricant | | MEL32 | | | |
| Circulating Water | Water Flow Rate | GPM | 25.4 | 25.4 | 25.4 | 31.7 |
| | Pressure Drop | Ft. (psi) | 8 (3.48) | 8 (3.48) | 8 (3.48) | 15 (6.38) |
| | Max Water Pressure | psi (MPa) | 290 (2) | | | |
| Refrigerant | Type | | R410A | | | |
| External Finish | | | Galvanized steel sheets | | | |
| Dimensions | Height | In. | 43-5/16 | | | 57-1/8 |
| | Width | In. | 34-11/16 | | | |
| | Depth | In. | 21-11/16 | | | |
| Net Weight | Pounds | | 382 | | | 481 |
| | | | 406 | | | 508 |
| Sound Pressure Level (As Measured in an Anechoic Room) | | dB(A) | 46 | 48 | 54 | |
| Protection Devices | High Pressure Protection | | High pressure sensor, High pressure switch | | | |
| | Compressor | | Over-heat protection, Over-current protection | | | |
| | Inverter | | Over-heat protection | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 5/8 | 3/4 | | 7/8 |
| | Gas (Low Pressure) (Brazed) | In. | 3/4 | 7/8 | | 1-1/8 |
| Indoor Unit Connectable | Total Capacity | | 50 to 150% of water-source unit capacity | | | |
| | Model/Quantity | | P06-P96/1-18 | P06-P96/1-24 | P06-P96/1-30 | P06-P96/1-36 |
| Operating Temperature Range | Cooling | W.B. | Indoor: 59 to 75° F | | | |
| | Heating | D.B. | Indoor: 50 to 113° F | | | |
| Inlet Water Temperature Range | Cooling | | 50 to 113° F | | | |
| | Heating | | 50 to 113° F | | | |
| Efficiency Ratings (Ducted/ Non-Ducted) *2 | EER | | 16.7/20.1 | 15.2/18.7 | 13.4/15.6 | 12.1/15.4 |
| | IEER | | 24.2/28.1 | 25.0/30.4 | 23.2/29.0 | 19.5/23.1 |
| | COP | | 5.51/6.05 | 5.77/5.93 | 5.51/5.60 | 4.90/5.50 |

Notes:

*1 Rating Conditions:
Cooling | Indoor: 81° F (27° C) D.B./66° F (19° C) W.B.; Water Temperature: 86° F (30° C) Heating | Indoor: 68° F (20° C) D.B.; Water Temperature: 68° F (20° C).

*2 Efficiency values based on AHRI 1230 test method.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: L-GENERATION W-SERIES ▼

PQR-Y-P**T(Y)LMU-A1

| SPECIFICATIONS | | | MODEL NAMES | | | | |
|--|---------------------------------|-----------|---|-------------------|---|---|-------------------|
| VOLTAGE | | | 208/230V | PQR-Y-P168TLMU-A1 | PQR-Y-P192TLMU-A1 | PQR-Y-P216TLMU-A1 | PQR-Y-P240TLMU-A1 |
| | | | 460V | PQR-Y-P168YLMU-A1 | PQR-Y-P192YLMU-A1 | PQR-Y-P216YLMU-A1 | PQR-Y-P240YLMU-A1 |
| Power Source | | | 3-phase 3-wire 208-230 V ±10% 60 Hz | | | | |
| | | | 3-phase 3-wire 460 V ±10% 60 Hz | | | | |
| Capacity (Nominal) *1 | Cooling | Btu/h | 168,000 | 192,000 | 216,000 | 240,000 | |
| | Heating | Btu/h | 161,000 | 183,000 | 206,000 | 228,000 | |
| Electrical Supply | MCA | A | 44/39 | 54/49 | 69/63 | 79/71 | |
| | | | 20 | 25 | 31 | 36 | |
| | MOP | A | 70/70 | 90/80 | 110/110 | 125/125 | |
| | | | 35 | 40 | 50 | 60 | |
| Compressor | Type x Quantity | | INVERTER-driven Scroll Hermetic x 1 | | | | |
| | Operating Range | | 16% to 100% | 14% to 100% | 13% to 100% | 12% to 100% | |
| | Lubricant | | MEL32 | | | | |
| Circulating Water | Water Flow Rate | GPM | 31.7 | 31.7 | 50.7 | 50.7 | |
| | Pressure Drop | Ft. (psi) | 15 (6.38) | 15 (6.38) | 15 (6.53) | 15 (6.53) | |
| | Max Water Pressure | psi (MPa) | 290 (2) | | | | |
| Refrigerant | Type | | R410A | | | | |
| External Finish | | | Galvanized steel sheets | | | | |
| Dimensions | Height | In. | 57-1/8 | | | | |
| | Width | In. | 34-11/16 | | | | |
| | Depth | In. | 21-11/16 | | | | |
| Net Weight | Pounds | | 481 | | 558 | | |
| | | | 508 | | 574 | | |
| Sound Pressure Level (As Measured in an Anechoic Room) | | dB(A) | 56 | 58 | | | |
| Protection Devices | High Pressure Protection | | High pressure sensor, High pressure switch | | | | |
| | Compressor | | Over-heat protection, Over-current protection | | | | |
| | Inverter | | Over-heat protection | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 7/8 | | 7/8 (1-1/8 for the part that exceeds 65 m) | | |
| | Gas (Low Pressure) (Brazed) | In. | 1-1/8 | | | 1-3/8 | |
| Indoor Unit Connectable | Total Capacity | | 50 to 150% of water-source unit capacity | | | | |
| | Model/Quantity | | P06-P96/1-42 | P06-P96/1-48 | P06-P96/2-50 (Connectable branch pipe number is max. 48.) | P06-P96/2-50 (Connectable branch pipe number is max. 48.) | |
| Operating Temperature Range | Cooling | W.B. | Indoor: 59 to 75° F | | | | |
| | Heating | D.B. | Indoor: 50 to 113° F | | | | |
| Inlet Water Temperature Range | Cooling | | 50 to 113° F | | | | |
| | Heating | | 50 to 113° F | | | | |
| Efficiency Ratings (Ducted/ Non-Ducted) *2 | EER | | 15.1/18.6 | 11.9/13.5 | 14.8/17.1 | 11.5/12.4 | |
| | IEER | | 22.5/26.1 | 18.0/21.8 | 23.6/25.8 | 18.4/21.7 | |
| | COP | | 5.29/5.94 | 4.73/5.39 | 5.57/5.67 | 4.60/5.15 | |

Notes:

*1 Rating Conditions: Cooling | Indoor: 81° F (27° C) D.B./66° F (19° C) W.B.; Water Temperature: 86° F (30° C) Heating | Indoor: 68° F (20° C) D.B.; Water Temperature: 68° F (20° C).

*2 Efficiency values based on AHRI 1230 test method.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: ▼ L-GENERATION W-SERIES

PQR-Y-P**T(Y)SLMU-A1

| SPECIFICATIONS | | | MODEL NAMES | | | | |
|--|--------------------------------|-------------------------|--|--|--|--|--|
| VOLTAGES | 208 /230V | | PQR-Y-P144TSLMU-A1 *2 | PQR-Y-P168TSLMU-A1 *2 | PQR-Y-P192TSLMU-A1 *2 | PQR-Y-P216TSLMU-A1 *2 | PQR-Y-P240TSLMU-A1 *2 |
| | | With | 2 PQR-Y-P72TLMU-A1 *3 | With 1 PQR-Y-P72TLMU-A1 and 1 PQR-Y-P96TLMU-A1 *3 | With 2 PQR-Y-P96TLMU-A1 *3 | With 1 PQR-Y-P96TLMU-A1 and 1 PQR-Y- P120TLMU-A1 *3 | With 2 PQR-Y-P120TLMU-A1 *3 |
| | 460V | | PQR-Y-P144YSLMU-A1 *2 | PQR-Y-P168YSLMU-A1 *2 | PQR-Y-P192YSLMU-A1 *2 | PQR-Y-P216YSLMU-A1 *2 | PQR-Y-P240YSLMU-A1 *2 |
| | | With | 2 PQR-Y-P72YLMU-A1 *3 | With 1 PQR-Y-P72YLMU-A1 and 1 PQR-Y-P96YLMU-A1 *3 | With 2 PQR-Y-P96YLMU-A1 *3 | With 1 PQR-Y-P96YLMU-A1 and 1 PQR-Y- P120YLMU-A1 *3 | With 2 PQR-Y-P120YLMU-A1 *3 |
| Power Source | | 208/230V, 3-Phase, 60Hz | | | | | |
| | | 460V, 3-Phase, 60Hz | | | | | |
| Capacity (Nominal) *1 | Cooling | Btu/h | 144,000 | 168,000 | 192,000 | 216,000 | 240,000 |
| | Heating | Btu/h | 160,000 | 188,000 | 215,000 | 243,000 | 270,000 |
| Compressor | Operating Range | | 12% to 100% | 10% to 100% | 9% to 100% | 8% to 100% | 7% to 100% |
| | Type x Quantity | | Refer to: | Refer to: | Refer to: | Refer to: | Refer to: |
| Circulating Water | Lubricant | | | | | | |
| | Water Flow Rate | GPM (L/s) | PQR-Y-P72TLMU-A1 | PQR-Y-P72TLMU-A1 PQR-Y-P96TLMU-A1 | PQR-Y-P96TLMU-A1 | PQR-Y-P96TLMU-A1 PQR-Y-P120TLMU-A1 | PQR-Y-P120TLMU-A1 |
| | Pressure Drop | Ft. (psi) | | | | | |
| Max Water Pressure | psi (MPa) | | | | | | |
| Refrigerant | Type | | | | | | |
| External Finish | | | | | | | |
| Dimensions | Height | In. | PQR-Y-P72YLMU-A1 | PQR-Y-P72YLMU-A1 PQR-Y-P96YLMU-A1 | PQR-Y-P96YLMU-A1 | PQR-Y-P96YLMU-A1 PQR-Y-P120YLMU-A1 | PQR-Y-P120YLMU-A1 |
| | Width | In. | | | | | |
| | Depth | In. | | | | | |
| Net Weight | | Pounds | | | | | |
| Sound Pressure Level (As Measured in an Anechoic Room) | | dB(A) | 49 | 50 | 51 | 55 | 57 |
| Protection Devices | High Pressure Protection | | High pressure sensor, High pressure switch | | | | |
| | Compressor/Fan | | Overheat protection/Thermal switch | | | | |
| | Inverter | | Overheat and Overcurrent Protection | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Braze) | In. | 7/8 | | 7/8 (1-1/8 for the part that exceeds 65 m) | | |
| | Gas (Low Pressure) (Braze) | In. | 1-1/8 | | | 1-3/8 | |
| Indoor Unit Connectable | Total Capacity | | 50 to 150% of outdoor unit capacity | | | | |
| | Model/Quantity | | P06-P96/1-36 | P06-P96/1-42 | P06-P96/1-48 | P06-P96/2-50 (Connectable branch pipe number is max. 48.) | P06-P96/2-50 (Connectable branch pipe number is max. 48.) |
| Inlet Water Temperature Range | Cooling | | 50 to 113° F | | | | |
| | Heating | | 50 to 113° F | | | | |
| Efficiency Ratings (Ducted/ Non-Ducted) *4 | EER | | 14.4/16.2 | 11.2/10.9 | 13.5/14.9 | 10.8/11.0 | 12.5/13.8 |
| | IEER | | 24.4/26.4 | 19.0/21.2 | 23.5/25.9 | 18.8/21.2 | 22.4/25.7 |
| | COP | | 5.77/5.53 | 4.75/5.23 | 5.64/5.40 | 4.52/5.05 | 5.46/5.32 |

Notes:

- *1 Rating Conditions:
Cooling | Indoor: 81° F (27° C) D.B./66° F (19° C) W.B.; Water Temperature: 86° F (30° C) Heating | Indoor: 68° F (20° C) D.B.; Water Temperature: 68° F (20° C).
- *2 Twinning kit is required for combining two individual outdoor units in the field for PQR-Y-P-T(Y)SLMU-A1.
- *3 Each individual outdoor unit requires a separate electrical connection. Reference electrical data for each individual outdoor unit.
- *4 Efficiency values based on AHRI 1230 test method.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: L-GENERATION W-SERIES

PQRY-P**T(Y)SLMU-A1

| SPECIFICATIONS | | | MODEL NAMES | | |
|--|---------------------------------|-------------------------------|---|---|---|
| VOLTAGES | 208/230V | | PQRY-P288TSLMU-A1 *2 | PQRY-P312TSLMU-A1 *2 | PQRY-P336TSLMU-A1 *2 |
| | | With 2 PQRY-P144TLMU-A1 *3 | With 1 PQRY-P168TLMU-A1 and 1 PQRY-P144TLMU-A1 *3 | With 2 PQRY-P168TLMU-A1 *3 | |
| | 460V | | PQRY-P288YSLMU-A1 *2 | PQRY-P312YSLMU-A1 *2 | PQRY-P336YSLMU-A1 *2 |
| | | With 2 PQRY-P144YLMU-A1 *3 | With 1 PQRY-P168YLMU-A1 and 1 PQRY-P144YLMU-A1 *3 | With 2 PQRY-P168YLMU-A1 *3 | |
| Power Source | | | 208/230V, 3-Phase, 60Hz | | |
| | | | 460V, 3-Phase, 60Hz | | |
| Capacity (Nominal) *1 | Cooling | Btu/h | 288,000 | 312,000 | 336,000 |
| | Heating | Btu/h | 275,000 | 297,000 | 320,000 |
| Compressor | Operating Range | | 9% to 100% | 9% to 100% | 8% to 100% |
| | Type x Quantity | | Refer to: | Refer to: | Refer to: |
| Circulating Water | Lubricant | | PQRY-P144TLMU-A1 | PQRY-P168TLMU-A1 PQRY-P144TLMU-A1 | PQRY-P168TLMU-A1 |
| | Water Flow Rate | GPM (L/s) | | | |
| | Pressure Drop | Ft. (psi) | | | |
| Refrigerant | Max Water Pressure | | PQRY-P144YLMU-A1 | PQRY-P168YLMU-A1 PQRY-P144YLMU-A1 | PQRY-P168YLMU-A1 |
| | psi (MPa) | | | | |
| External Finish | | | PQRY-P144YLMU-A1 | PQRY-P168YLMU-A1 PQRY-P144YLMU-A1 | PQRY-P168YLMU-A1 |
| Dimensions | Height | In. | | | |
| | Width | In. | | | |
| | Depth | In. | | | |
| Net Weight | | Pounds | | | |
| Sound Pressure Level (As Measured in an Anechoic Room) | | dB(A) | 57 | 58 | 59 |
| Protection Devices | High Pressure Protection | | High pressure sensor, High pressure switch | | |
| | Compressor/Fan | | Overheat protection/Thermal switch | | |
| | Inverter | | Overheat and Overcurrent Protection | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 1-1/8 | | |
| | Gas (Low Pressure) (Brazed) | In. | 1-3/8 | | |
| Indoor Unit Connectable | Total Capacity | | 50 to 150% of outdoor unit capacity | | |
| | Model/Quantity | | P06-P96/2-50 (Connectable branch pipe number is max. 48.) | P06-P96/2-50 (Connectable branch pipe number is max. 48.) | P06-P96/2-50 (Connectable branch pipe number is max. 48.) |
| Inlet Water Temperature Range | Cooling | | 50 to 113° F | | |
| | Heating | | 50 to 113° F | | |
| Efficiency Ratings (Ducted/ Non-Ducted) *4 | EER | | 11.4/13.7 | 11.2/13.0 | 11.1/12.3 |
| | IEER | | 18.5/20.6 | 17.6/20.4 | 16.8/20.1 |
| | COP | | 4.90/5.25 | 4.78/5.24 | 4.66/5.23 |

Notes:

- *1 Rating Conditions:
Cooling | Indoor: 81° F (27° C) D.B./66° F (19° C) W.B.;
Water Temperature: 86° F (30° C)
Heating | Indoor: 68° F (20° C) D.B.; Water Temperature: 68° F (20° C).
- *2 Twinning kit is required for combining two individual outdoor units in the field for PQRY-P-T(Y)SLMU-A1.
- *3 Each individual outdoor unit requires a separate electrical connection. Reference electrical data for each individual outdoor unit.
- *4 Efficiency values based on AHRI 1230 test method.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: L-GENERATION W-SERIES

PQHY-P**T(Y)LMU-A1

| SPECIFICATIONS | | | MODEL NAMES | | | |
|--|---------------------------------|-----------|---|---------------------------------|------------------|------------------|
| VOLTAGE | 208/230V | | PQHY-P72TLMU-A1 | PQHY-P96TLMU-A1 | PQHY-P120TLMU-A1 | PQHY-P144TLMU-A1 |
| | 460V | | PQHY-P72YLMU-A1 | PQHY-P96YLMU-A1 | PQHY-P120YLMU-A1 | PQHY-P144YLMU-A1 |
| Power Source | | | 208/230V, 3-Phase, 60Hz | | | |
| | | | 460V, 3-Phase, 60Hz | | | |
| Capacity (Nominal) *1 | Cooling | Btu/h | 72,000 | 96,000 | 120,000 | 144,000 |
| | Heating | Btu/h | 69,000 | 92,000 | 114,000 | 137,000 |
| Electrical Supply | MCA | A | 13/12 | 19/17 | 29/26 | 35/32 |
| | | | 6 | 9 | 13 | 16 |
| | MOP | A | 20/20 | 30/25 | 50/45 | 60/50 |
| | | | 15 | 15 | 20 | 25 |
| Compressor | Type x Quantity | | INVERTER-driven Scroll Hermetic x 1 | | | |
| | Operating Range | | 24% to 100% | 18% to 100% | 14% to 100% | 19% to 100% |
| | Lubricant | | MEL32 | | | |
| Circulating Water | Water Flow Rate | GPM (L/s) | 25.4 | 25.4 | 25.4 | 31.7 |
| | Pressure Drop | Ft. (psi) | 8 (3.48) | 8 (3.48) | 8 (3.48) | 15 (6.38) |
| | Max Water Pressure | psi (MPa) | 290 (2) | | | |
| Refrigerant | Type | | R410A | | | |
| External Finish | | | Galvanized steel sheets | | | |
| Dimensions | Height | In. | 43-5/16 | | | 57-1/8 |
| | Width | In. | 34-11/16 | | | |
| | Depth | In. | 21-11/16 | | | |
| Net Weight | Pounds | | 375 | | | 474 |
| | | | 400 | | | 501 |
| Sound Pressure Level (As Measured in an Anechoic Room) | | dB(A) | 46 | 48 | 54 | |
| Protection Devices | High Pressure Protection | | High pressure sensor, High pressure switch | | | |
| | Compressor | | Over-heat protection, Over-current protection | | | |
| | Inverter | | Over-heat protection | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 3/8 | 3/8 (1/2, total length >= 90 m) | | 1/2 |
| | Gas (Low Pressure) (Brazed) | In. | 3/4 | 7/8 | | 1-1/8 |
| Indoor Unit Connectable | Total Capacity | | 50 to 150% of water-source unit capacity | | | |
| | Model/Quantity | | P06-P96/1-15 | P06-P96/1-20 | P06-P96/1-26 | P06-P96/1-31 |
| Operating Temperature Range | Cooling | W.B. | Indoor: 59 to 75° F | | | |
| | Heating | D.B. | Indoor: 50 to 113° F | | | |
| Inlet Water Temperature Range | Cooling | | 50 to 113° F | | | |
| | Heating | | 50 to 113° F | | | |
| Efficiency Ratings (Ducted/ Non-Ducted) *2 | EER | | 17.4/20.7 | 15.3/19.4 | 13.5/15.9 | 12.1/15.6 |
| | IEER | | 24.2/28.1 | 25.0/30.4 | 23.2/29.0 | 19.5/23.1 |
| | COP | | 5.62/6.15 | 5.80/6.02 | 5.55/5.66 | 4.92/5.56 |

Notes:

*1 Rating Conditions: Cooling | Indoor: 81° F (27° C) D.B./66° F (19° C) W.B.;
Water Temperature: 86° F (30° C) Heating | Indoor: 68° F (20° C) D.B.;
Water Temperature: 68° F (20° C).

*2 Efficiency values based on AHRI 1230 test method.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts.
See our website for details on specific additional application installation coverage.



SPECIFICATIONS: L-GENERATION W-SERIES ▼

PQHY-P**T(Y)LMU-A1

| SPECIFICATIONS | | | MODEL NAMES | | | |
|---|---------------------------------------|-----------|---|------------------|------------------|------------------|
| VOLTAGE | 208/230V | | PQHY-P168TLMU-A1 | PQHY-P192TLMU-A1 | PQHY-P216TLMU-A1 | PQHY-P240TLMU-A1 |
| | 460V | | PQHY-P168YLMU-A1 | PQHY-P192YLMU-A1 | PQHY-P216YLMU-A1 | PQHY-P240YLMU-A1 |
| Power Source | | | 208/230V, 3-Phase, 60Hz | | | |
| | | | 460V, 3-Phase, 60Hz | | | |
| Capacity (Nominal) *1 | Cooling | Btu/h | 168,000 | 192,000 | 216,000 | 240,000 |
| | Heating | Btu/h | 161,000 | 183,000 | 206,000 | 228,000 |
| Electrical Supply | MCA | A | 44/39 | 54/49 | 69/63 | 79/71 |
| | | | 20 | 25 | 31 | 36 |
| | MOP | A | 70/70 | 90/80 | 110/110 | 125/125 |
| | | | 35 | 40 | 50 | 60 |
| Compressor | Type x Quantity | | INVERTER-driven Scroll Hermetic x 1 | | | |
| | Operating Range | | 16% to 100% | 14% to 100% | 13% to 100% | 12% to 100% |
| | Lubricant | | MEL32 | | | |
| Circulating Water | Water Flow Rate | GPM (L/s) | 31.7 | 31.7 | 50.7 | 50.7 |
| | Pressure Drop | Ft. (psi) | 15 (6.38) | 15 (6.38) | 15 (6.53) | 15 (6.53) |
| | Max Water Pressure | psi (MPa) | 290 (2) | | | |
| Refrigerant | Type | | R410A | | | |
| External Finish | | | Galvanized steel sheets | | | |
| Dimensions | Height | In. | 57-1/8 | | | |
| | Width | In. | 34-11/16 | | | |
| | Depth | In. | 21-11/16 | | | |
| Net Weight | Pounds | 474 | | | 552 | |
| | | 501 | | | 567 | |
| Sound Pressure Level (As Measured in an Anechoic Room) | | dB(A) | 56 | 58 | | |
| Protection Devices | High Pressure Protection | | High pressure sensor, High pressure switch | | | |
| | Compressor | | Over-heat protection, Over-current protection | | | |
| | Inverter | | Over-heat protection | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 5/8 | | | |
| | Gas (Low Pressure) (Brazed) | In. | 1-1/8 | | | |
| Indoor Unit Connectable | Total Capacity | | 50 to 150% of water-source unit capacity | | | |
| | Model/Quantity | | P06-P96/1-36 | P06-P96/1-41 | P06-P96/2-46 | P06-P96/2-50 |
| Operating Temperature Range | Cooling | W.B. | Indoor: 59 to 75° F | | | |
| | Heating | D.B. | Indoor: 50 to 113° F | | | |
| Inlet Water Temperature Range | Cooling | | 50 to 113° F | | | |
| | Heating | | 50 to 113° F | | | |
| Efficiency Ratings (Ducted/ Non-Ducted) *2 | EER | | 15.2/19.0 | 12.0/13.6 | 15.0/17.3 | 11.5/12.5 |
| | IEER | | 22.5/26.1 | 18.0/21.8 | 23.6/25.8 | 18.4/21.7 |
| | COP | | 5.32/6.01 | 4.76/5.43 | 5.61/5.72 | 4.62/5.19 |

Notes:

*1 Rating Conditions:
Cooling | Indoor: 81° F (27° C) D.B./66° F (19° C) W.B.; Water Temperature:
86° F (30° C) Heating | Indoor: 68° F (20° C) D.B.; Water Temperature:
68° F (20° C).

*2 Efficiency values based on AHRI 1230 test method.

Specifications are subject to change without notice.

**LIMITED WARRANTY | Seven-year compressor and one year parts.
See our website for details on specific additional application installation coverage.**



SPECIFICATIONS: L-GENERATION W-SERIES

PQHY-P**T(Y)SLMU-A1

| SPECIFICATIONS | | | MODEL NAMES | | | | |
|--|---------------------------------|------------------------------|---|------------------------------------|--|-------------------------------------|----------------------|
| VOLTAGE | 208/230V | | PQHY-P144TSLMU-A1 *2 | PQHY-P168TSLMU-A1 *2 | PQHY-P192TSLMU-A1 *2 | PQHY-P216TSLMU-A1 *2 | PQRY-P240TSLMU-A1 *2 |
| | | With 2 PQHY-P72TLMU-A1 *3 | With 1 PQHY-P72TLMU-A1 and 1 PQHY-P96TLMU-A1 *3 | With 2 PQHY-P96TLMU-A1 *3 | With 1 PQHY-P96TLMU-A1 and 1 PQHY-P120TLMU-A1 *3 | With 2 PQHY-P120TLMU-A1 *3 | |
| | 460V | | PQHY-P144YSLMU-A1 *2 | PQHY-P168YSLMU-A1 *2 | PQHY-P192YSLMU-A1 *2 | PQHY-P216YSLMU-A1 *2 | PQHY-P240YSLMU-A1 *2 |
| | | With 2 PQHY-P72YLMU-A1 *3 | With 1 PQHY-P72YLMU-A1 and 1 PQHY-P96YLMU-A1 *3 | With 2 PQHY-P96YLMU-A1 *3 | With 1 PQHY-P96YLMU-A1 and 1 PQHY-P120YLMU-A1 *3 | With 2 PQHY-P120YLMU-A1 *3 | |
| Power Source | | | 208/230V, 3-Phase, 60Hz | | | | |
| | | | 460V, 3-Phase, 60Hz | | | | |
| Capacity (Nominal) *1 | Cooling | Btu/h | 144,000 | 168,000 | 192,000 | 216,000 | 240,000 |
| | Heating | Btu/h | 160,000 | 188,000 | 215,000 | 243,000 | 270,000 |
| Compressor | Operating Range | | 12% to 100% | 10% to 100% | 9% to 100% | 8% to 100% | 7% to 100% |
| | Type x Quantity | | Refer to: | Refer to: | Refer to: | Refer to: | Refer to: |
| | Lubricant | | | | | | |
| Circulating Water | Water Flow Rate | GPM (L/s) | PQHY-P72TLMU-A1 | PQHY-P72TLMU-A1 PQHY-P96TLMU-A1 | PQHY-P96TLMU-A1 | PQHY-P96TLMU-A1 PQHY-P120TLMU-A1 | PQHY-P120TLMU-A1 |
| | Pressure Drop | Ft. (psi) | | | | | |
| | Max Water Pressure | psi (MPa) | | | | | |
| Refrigerant | Type | | | | | | |
| External Finish | | | | | | | |
| Dimensions | Height | In. | PQHY-P72YLMU-A1 | PQHY-P72YLMU-A1 PQHY-P96YLMU-A1 | PQHY-P96YLMU-A1 | PQRY-P96YLMU-A1 PQRY-P120YLMU-A1 | PQHY-P120YLMU-A1 |
| | Width | In. | | | | | |
| | Depth | In. | | | | | |
| Net Weight | | Pounds | | | | | |
| Sound Pressure Level (As Measured in an Anechoic Room) | | dB(A) | 49 | 50 | 51 | 55 | 57 |
| Protection Devices | High Pressure Protection | | High pressure sensor, High pressure switch | | | | |
| | Compressor/Fan | | Overheat protection/Thermal switch | | | | |
| | Inverter | | Overheat and Overcurrent Protection | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 1/2 | 5/8 | | | |
| | Gas (Low Pressure) (Brazed) | In. | 1-1/8 | | | | |
| Indoor Unit Connectable | Total Capacity | | 50 to 150% of outdoor unit capacity | | | | |
| | Model/Quantity | | P06-P96/1-31 | P06-P96/1-36 | P06-P96/1-41 | P06-P96/2-46 | P06-P96/2-50 |
| Inlet Water Temperature Range | Cooling | | 50 to 113° F | | | | |
| | Heating | | 50 to 113° F | | | | |
| Efficiency Ratings (Ducted/Non-Ducted) *4 | EER | | 14.5/16.4 | 11.3/10.9 | 13.6/15.0 | 10.8/11.0 | 12.5/13.9 |
| | IEER | | 24.4/26.4 | 19.0/21.2 | 23.5/25.9 | 18.8/21.2 | 22.4/25.7 |
| | COP | | 5.80/5.57 | 4.77/5.26 | 5.68/5.43 | 4.54/5.08 | 5.49/5.35 |

Notes:

*1 Rating Conditions:

Cooling | Indoor: 81° F (27° C) D.B./66° F (19° C) W.B.; Water Temperature: 86° F (30° C) Heating | Indoor: 68° F (20° C) D.B.; Water Temperature: 68° F (20° C).

*2 Twinning kit is required for combining two individual outdoor units in the field for PQRY-P-T(Y)SLMU-A1.

*3 Each individual outdoor unit requires a separate electrical connection. Reference electrical data for each individual outdoor unit.

*4 Efficiency values based on AHRI 1230 test method.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: L-GENERATION W-SERIES ▼

PQHY-P**T(Y)SLMU-A1

| SPECIFICATIONS | | | MODEL NAMES | | | |
|--|---------------------------------|-------------------------------|---|--------------------------------------|---|--------------------------------------|
| VOLTAGES | 208/230V | | PQHY-P288TSLMU-A1 *2 | PQHY-P312TSLMU-A1 *2 | PQHY-P336TSLMU-A1 *2 | PQHY-P360TSLMU-A1 *2 |
| | | With 2 PQHY-P144TLMU-A1 *3 | With 1 PQHY-P144TLMU-A1 and 1 PQHY-P168TLMU-A1 *3 | With 2 PQHY-P168TLMU-A1 *3 | With 1 PQHY-P168TLMU-A1 and 1 PQHY-P192TLMU-A1 *3 | |
| | 460V | | PQHY-P288YSLMU-A1 *2 | PQHY-P312YSLMU-A1 *2 | PQHY-P336YSLMU-A1 *2 | PQHY-P360YSLMU-A1 *2 |
| | | With 2 PQHY-P144YLMU-A1 *3 | With 1 PQHY-P144YLMU-A1 and 1 PQHY-P168YLMU-A1 *3 | With 2 PQHY-P168YLMU-A1 *3 | With 1 PQHY-P168YLMU-A1 and 1 PQHY-P192YLMU-A1 *3 | |
| Power Source | | 208/230V, 3-Phase, 60Hz | | | | |
| | | 460V, 3-Phase, 60Hz | | | | |
| Capacity (Nominal) *1 | Cooling | Btu/h | 288,000 | 312,000 | 336,000 | 360,000 |
| | Heating | Btu/h | 323,000 | 350,000 | 378,000 | 405,000 |
| | | Operating Range | 9% to 100% | 9% to 100% | 8% to 100% | 8% to 100% |
| Compressor | Type x Quantity | | Refer to: | Refer to: | Refer to: | Refer to: |
| | Lubricant | | | | | |
| Circulating Water | Water Flow Rate | GPM (L/s) | PQHY-P144TLMU-A1 | PQHY-P144TLMU-A1 PQHY-P168TLMU-A1 | PQHY-P168TLMU-A1 | PQHY-P168TLMU-A1 PQHY-P192TLMU-A1 |
| | Pressure Drop | Ft. (psi) | | | | |
| | Max Water Pressure | psi (MPa) | | | | |
| Refrigerant | Type | | | | | |
| External Finish | | | | | | |
| Dimensions | Height | In. | PQHY-P144YLMU-A1 | PQHY-P144YLMU-A1 PQHY-P168YLMU-A1 | PQHY-P168YLMU-A1 | PQHY-P168YLMU-A1 PQHY-P192YLMU-A1 |
| | Width | In. | | | | |
| | Depth | In. | | | | |
| Net Weight | | Pounds | | | | |
| Sound Pressure Level (As Measured in an Anechoic Room) | | dB(A) | 57 | 58 | 59 | 60 |
| Protection Devices | High Pressure Protection | | High pressure sensor, High pressure switch | | | |
| | Compressor/Fan | | Overheat protection/Thermal switch | | | |
| | Inverter | | Overheat and Overcurrent Protection | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 3/4 | | | |
| | Gas (Low Pressure) (Brazed) | In. | 1-3/8 | | 1-5/8 | |
| Indoor Unit Connectable | Total Capacity | | 50 to 150% of outdoor unit capacity | | | |
| | Model/Quantity | | P06-P96/2-50 | P06-P96/2-50 | P06-P96/2-50 | P06-P96/2-50 |
| Inlet Water Temperature Range | Cooling | | 50 to 113° F | | | |
| | Heating | | 50 to 113° F | | | |
| Efficiency Ratings (Ducted/ Non-Ducted) *4 | EER | | 11.4/13.8 | 11.2/13.0 | 11.1/12.3 | 11.2/12.1 |
| | IEER | | 18.5/20.6 | 17.6/20.4 | 16.8/20.1 | 17.5/20.3 |
| | COP | | 4.92/5.27 | 4.80/5.26 | 4.67/5.25 | 4.64/5.14 |

Notes:

- *1 Rating Conditions:
Cooling | Indoor: 81° F (27° C) D.B./66° F (19° C) W.B.; Water Temperature: 86° F (30° C)
Heating | Indoor: 68° F (20° C) D.B.; Water Temperature: 68° F (20° C).
- *2 Twinning kit is required for combining two individual outdoor units in the field for PQRY-P-T(Y)SLMU-A1.
- *3 Each individual outdoor unit requires a separate electrical connection. Reference electrical data for each individual outdoor unit.
- *4 Efficiency values based on AHRI 1230 test method.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: PWFY ▼ HYDRONIC HEAT EXCHANGER

PWFY-P**NMU-E(E2)-AU/BU

| Model Name | | | PWFY-P36NMU-E2-AU | PWFY-P72NMU-E2-AU | PWFY-P36NMU-E-BU |
|--|---------------------------------|--------|--|--------------------|--|
| Power Source | | | 208/230V, 1-phase, 60Hz | | |
| Cooling Capacity *1 | Btu/h | | 36,200 | 72,000 | - |
| Heating Capacity *1 | Btu/h | | 39,900 | 79,800 | 39,900 |
| Power Consumption | Cooling | kW | 0.025 - 0.028 | | N/A |
| | Heating | kW | 0.025 - 0.028 | | 2.48 |
| Current | Cooling | A | 0.145 - 0.150 | | N/A |
| | Heating | A | 0.145 - 0.150 | | 12.30 /11.12 |
| External Finish | | | Galvanized-steel Sheet | | |
| Dimensions | Height | In. | 31-1/2 | | |
| | Width | In. | 17-3/4 | | |
| | Depth | In. | 11-13/16 | | |
| Net Weight | Unit | Pounds | 73 | 80 | 133 |
| Operating Outdoor Temperature Range | Cooling | | 23° F to 115° F D.B. (PURY/PUHY/PURY-HP) 23° F to 109° F D.B. (PUHY-HP) | | - |
| | Heating | | -4 F to 90 F W.B. (PURY/PUHY) -13 F to 60 F W.B. (PURY-HP/PUHY-HP) | | -4 ° F to 90° F W.B. |
| Circulating Water Operation Volume Range | GPM (L/m) | | 4.8 - 9.4 (18-36) | 7.9 - 18.9 (30-72) | 2.6 - 9.6 (10-36) |
| Circulating Water Design Pressure | MPa (psi) | | 1 (145) | | |
| Water Piping Dimensions | Inlet | In. | 3/4 FPT | 1 FPT | 3/4 FPT |
| | Outlet | In. | 3/4 FPT | 1 FPT | 3/4 FPT |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 3/8 | 3/8 | 3/8 |
| | Gas (Low Pressure) (Brazed) | In. | 5/8 | 3/4 | 5/8 |
| Drainpipe Dimensions (O.D.) | In. | | 1-1/4 | | |
| Sound Pressure Levels | dB(A) | | 29 | | 44 |
| Connectable Outdoor Units | | | PURY-P72-288T/Y(S)KMU (-BS) PURY-HP72-192T/Y(S)KMU (-BS) PUHY-P72-360T/Y(S)KMU (-BS) PURY-P72-336T/Y(S)LMU-A (-BS) PQRV-P72-336T/Y(S)LMU-A1 (-BS) PUHY-P72-360T/Y(S)LMU-A (-BS) PQHY-P72-360T/Y(S)LMU-A1 (-BS) | | PURY-P72-288T/Y(S)KMU (-BS) PURY-HP72-192T/Y(S)KMU (-BS) PURY-P72-336T/Y(S)LMU-A (-BS) PQRV-P72-336T/Y(S)LMU-A1 (-BS) |

Notes:

*1 Nominal heating conditions (PWFY conditions are indicated in the parentheses).

(W-Series)

Outdoor Temp.: 47° F D.B./43° F W.B. (8.3° C D.B./6.1° C W.B.)
 Pipe length: 25 ft (7.6 m)
 Level difference: 0 ft (0 m)
 (Inlet water Temp.: 149° F (65°C) Water flow rate: 9.4 gpm (2.15 m³/h))

(WR2-Series)

Circulating water Temp.: 70° F (21.1° C)
 Pipe length: 25 ft (7.6 m)
 Level difference: 0 ft (0 m)
 (Inlet water Temp.: 149° F (65°C) Water flow rate 9.2 gpm (2.15 m³/h))

Note: Consult Application Note 2014 – Designing with PWFY for additional design assistance.

Note: The design water pressure drop and flow. Note that the pressure drop doesn't include strainers.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. Extended warranty of up to 10 years is available. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: PKFY ▼ WALL-MOUNTED INDOOR UNIT

PKFY-P**N(L,K)MU

| Model Name | | | PK-FY-P04NLMU-E | PK-FY-P06NLMU-E | PK-FY-P08NLMU-E | PK-FY-P12NLMU-E | PK-FY-P15NLMU-E | PK-FY-P18NLMU-E | PKFY-P24NK-MU-E2.TH | PKFY-P30NK-MU-E2.TH | |
|-----------------------------|--------------------------------|--------|--|-----------------|-----------------|-----------------|-----------------|-----------------|---------------------------------|---------------------|--|
| Power Source | | | 208/230V, 1-Phase, 60Hz | | | | | | | | |
| Cooling Capacity | Btu/h *1 | | 4,000 | 6,000 | 8,000 | 12,000 | 15,000 | 18,000 | 24,000 | 30,000 | |
| Heating Capacity | Btu/h *2 | | 4,500 | 6,700 | 9,000 | 13,500 | 17,000 | 20,000 | 27,000 | 34,000 | |
| Power Consumption | Cooling | kW | 0.02 | | 0.03 | 0.04 | | 0.05 | 70 | | |
| | Heating | kW | 0.01 | | 0.02 | 0.03 | | 0.04 | 70 | | |
| Current | Cooling | A | 0.20 | | 0.25 | 0.35 | | 0.4 | 0.50 | | |
| | Heating | A | 0.15 | | 0.20 | 0.30 | | 0.45 | 0.50 | | |
| External Finish | Munsell No. | | Plastic, MUNSELL (0.7PB 9.2/0.4) | | | | | | Plastic, MUNSELL (1.0Y 9.2/0.2) | | |
| Dimensions | Height | In. | 11-25/32 | | | | | | 14-3/8 | | |
| | Width | In. | 30-7/16 | | | | 35-3/8 | | | 46-1/16 | |
| | Depth | In. | 9-11/32 | | | | | | 11-5/8 | | |
| Net Weight | Unit | Pounds | 23.6 | 24.5 | | | 28.4 | | 46 | | |
| Heat Exchanger | | | Cross Fin (Aluminum Plate Fin and Copper Tube) | | | | | | | | |
| Fan | Type x Quantity | | Line Flow Fan x 1 | | | | | | | | |
| | 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 | 570 - 920 | 710 - 920 | |
| | Motor Type | | Direct-driven DC Motor | | | | | | | | |
| Air Filter | | | Polypropylene Honeycomb | | | | | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Flare) | In. | 1/4 | | | | | | 3/8 | | |
| | Gas (Low Pressure) (Flare) | In. | 1/2 | | | | | | 5/8 | | |
| Drain Pipe Dimension (I.D.) | | In. | 5/8 | | | | | | | | |
| Sound Pressure Levels | | 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 | 39 - 49 | 43 - 49 | |

Notes:

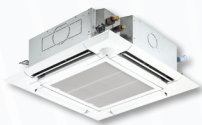
Cooling / Heating capacity indicated at the maximum value at operation under the following conditions:

*1. Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB, Outdoor 95° F (35° C) DB

*2 Heating | Indoor: 70° F (21° C) DB, Outdoor 47° F (8° C) DB / 43° F (6° C) WB

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. Extended warranty of up to 10 years is available. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: PLFY ▼

CEILING CASSETTE INDOOR UNIT

PLFY-EP**NEMU-E

| Model Name | | | PLFY-EP06NEMU-E | PLFY-EP08NEMU-E | PLFY-EP12NEMU-E | PLFY-EP15NEMU-E | PLFY-EP18NEMU-E1 |
|---|--------------------------------|----------|--|--------------------------|--------------------------|--------------------------|-----------------------|
| Power Source | | | 208/230V, 1-Phase, 60Hz | | | | |
| Cooling Capacity | | Btu/h *1 | 6,000 | 8,000 | 12,000 | 15,000 | 18,000 |
| Heating Capacity | | Btu/h *1 | 6,700 | 9,000 | 13,500 | 17,000 | 20,000 |
| Power Consumption | Cooling | W | 20 | 30 | 30 | 30 | 40 |
| | Heating | W | 20 | 20 | 20 | 20 | 40 |
| Current | Cooling | A | 0.19 | 0.31 | 0.31 | 0.31 | 0.43 |
| | Heating | A | 0.14 | 0.26 | 0.26 | 0.26 | 0.38 |
| External Finish Color (Munsell No.) | | | MUNSELL (6.4Y 8.9/0.4) | | | | |
| Dimensions | Height | In. | 10-3/16 | 10-3/16 | 10-3/16 | 10-3/16 | 11-3/4 |
| | Width | In. | 33-3/32 | | | | |
| | Depth | In. | 33-3/32 | | | | |
| Net Weight *2 | Unit/Panel | Pounds | 46 / 11 | 46 / 11 | 46 / 11 | 46 / 11 | 55 / 11 |
| Heat Exchanger | | | Cross Fin (Aluminum Plate Fin and Copper Tube) | | | | |
| Fan | Type x Quantity | | Turbo Fan x 1 | | | | |
| | Airflow Rate *3 | CFM | 300 - 424 - 459 - 494 | 494 - 530 - 565 - 600 | 494 - 530 - 565 - 600 | 530 - 547 - 565 - 600 | 636 - 671 - 742 - 812 |
| | Motor Type | | DC Motor | | | | |
| | Motor Output | W | 50 | 50 | 50 | 50 | 120 |
| Air Filter | | | PP honeycomb (long life filter, anti-bacterial type) | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Flare) | In. | 1/4 | | | | |
| | Gas (Low Pressure) (Flare) | In. | 1/2 | | | | |
| Drain Pipe Dimension (O.D.) | | In. | 1-1/4 | | | | |
| Sound Pressure Levels (As Measured in an Anechoic Room)*3 | Low-Mid1-Mid2-High | dB(A) | 19 - 23 - 25 - 27 | 27 - 29 - 30 - 31 | 27 - 29 - 30 - 31 | 28 - 29 - 30 - 31 | 28 - 30 - 32 - 34 |

| Model Name | | | PLFY-EP24NEMU-E | PLFY-EP30NEMU-E | PLFY-EP36NEMU-E | PLFY-EP48NEMU-E |
|---|--------------------------------|----------|--|-----------------------|-------------------------|---------------------------|
| Power Source | | | 208/230V, 1-Phase, 60Hz | | | |
| Cooling Capacity | | Btu/h *1 | 24,000 | 30,000 | 36,000 | 48,000 |
| Heating Capacity | | Btu/h *1 | 27,000 | 34,000 | 40,000 | 54,000 |
| Power Consumption | Cooling | W | 40 | 40 | 70 | 110 |
| | Heating | W | 40 | 40 | 70 | 110 |
| Current | Cooling | A | 0.43 | 0.45 | 0.73 | 1.01 |
| | Heating | A | 0.38 | 0.40 | 0.68 | 0.96 |
| External Finish Color (Munsell No.) | | | MUNSELL (6.4Y 8.9/0.4) | | | |
| Dimensions | Height | In. | 11-3/4 | | | |
| | Width | In. | 33-3/32 | | | |
| | Depth | In. | 33-3/32 | | | |
| Net Weight *2 | Unit/Panel | Pounds | 55 / 11 | | | |
| Heat Exchanger | | | Cross Fin (Aluminum Plate Fin and Copper Tube) | | | |
| Fan | Type x Quantity | | Turbo Fan x 1 | | | |
| | Airflow Rate *3 | CFM | 636 - 671 - 742 - 812 | 636 - 706 - 777 - 812 | 777 - 883 - 989 - 1,095 | 777 - 953 - 1,095 - 1,236 |
| | Motor Type | | DC Motor | | | |
| | Motor Output | W | 120 | | | |
| Air Filter | | | PP honeycomb (long life filter, anti-bacterial type) | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Flare) | In. | 3/8 | | | |
| | Gas (Low Pressure) (Flare) | In. | 5/8 | | | |
| Drain Pipe Dimension (O.D.) | | In. | 1-1/4 | | | |
| Sound Pressure Levels (As Measured in an Anechoic Room)*3 | Low-Mid1-Mid2-High | dB(A) | 28 - 30 - 32 - 34 | 28 - 31 - 33 - 35 | 35 - 37 - 39 - 41 | 36 - 39 - 42 - 45 |

Notes:

*1 Cooling/Heating capacity indicates the maximum value at operation under the following conditions: Cooling | Indoor: 80° F (26.7° C) DB/67° F (19.4° C) WB; Outdoor: 95° F (35° C) DB. Heating | Indoor: 70° F (21° C) DB; Outdoor: 47° F (8° C) DB/43° F (6° C) WB.
*2 Net weight is shown for unit/grille.

*3 Airflow rate/sound pressure levels are at (Low-Mid1-Mid2-High). Ventilation Air: Providing sufficient ventilation air is an important part of every building design ASHRAE Standard 62 provides the minimum ventilation air requirements. Also check local codes.

LIMITED WARRANTY | Seven-year warranty on compressor. One-year warranty on parts. See our website for details on specific additional application installation coverage. 119

Specifications are subject to change.



SPECIFICATIONS: PLFY ▼ CEILING CASSETTE INDOOR UNIT

PLFY-P**NFMU-E

| Model Name | | | PLFY-P05NFMU-E | PLFY-P08NFMU | PLFY-P12NFMU | PLFY-P15NFMU | PLFY-P18NFMU-E |
|--|--------------------------------|----------|--|--------------|--------------|--------------|----------------|
| Power Source | | | 208/230V, 1-phase, 60Hz | | | | |
| Cooling Capacity | | Btu/h *1 | 5,000 | 8,000 | 12,000 | 15,000 | 18,000 |
| Heating Capacity | | Btu/h *1 | 5,600 | 9,000 | 13,500 | 17,000 | 20,000 |
| Power Consumption | Cooling | W | 20 | 20 | 20 | 30 | 40 |
| | Heating | W | 20 | 20 | 20 | 30 | 40 |
| Current | Cooling | A | 0.19 | 0.22 | 0.23 | 0.28 | 0.40 |
| | Heating | A | 0.14 | 0.17 | 0.18 | 0.23 | 0.35 |
| External Finish (Munsell No.) | | | Grille: White (6.4Y 8.9/0.4) | | | | |
| Dimensions | Height | In. | 8-3/16 | | | | |
| | Width | In. | 22-7/16 | | | | |
| | Depth | In. | 22-7/16 | | | | |
| Net Weight *2 | Unit/Panel | Pounds | 28.9/5.3 | 28.9/5.3 | 31.3/5.3 | | |
| Heat Exchanger | | | Cross Fin (Aluminum Plate Fin and Copper Tube) | | | | |
| Fan | Type x Quantity | | Turbo Fan x 1 | | | | |
| | Airflow Rate *3 | CFM | 230-265-280 | 230-280-315 | 245-280-335 | 265-315-390 | 315-390-460 |
| | Motor Type | | Single-phase Induction Motor | | | | |
| Air Filter | | | Polypropylene Honeycomb | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Flare) | In. | 1/4 | | | | |
| | Gas (Low Pressure) (Flare) | In. | 1/2 | | | | |
| Condensate Lift Mechanism (Standard) | | In. | 19-11/16 | | | | |
| Drain Pipe Dimension (O.D.) | | In. | 1-1/4 | | | | |
| Sound Pressure Levels (As Measured in an Anechoic Room) *3 | (Low-Mid-High) | dB(A) | 26-28-30 | 26-30-33 | 26-30-34 | 28-33-39 | 33-39-43 |

Notes:

*1 Cooling/Heating capacity indicates the maximum value at operation under the following conditions: Cooling | Indoor: 80° F (27° C) D.B./67° F (19° C) W.B.; Outdoor: 95° F (35° C) D.B. Heating | Indoor: 70° F (21° C) D.B.; Outdoor: 47° F (8° C) D.B./43° F (6° C) W.B.

*2 Net weight is shown for unit/grille.

*3 Airflow rate/sound pressure levels are at (Low-Mid-High).

Ventilation Air: Providing sufficient ventilation air is an important part of every building design. ASHRAE Standard 62 provides the minimum ventilation air requirements. Also check local codes.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. Extended warranty of up to 10 years is available. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: PMFY ▼ CEILING CASSETTE INDOOR UNIT

PMFY-P**NBMU-ER5

| Model Name | | | PMFY-P06NBMU-ER5 | PMFY-P08NBMU-ER5 | PMFY-P12NBMU-ER5 | PMFY-P15NBMU-ER5 |
|--|--------------------------------|--------|-------------------------|-----------------------|-----------------------|-----------------------|
| Power Source | | | 208/230V, 1-phase, 60Hz | | | |
| Cooling Capacity | Btu/h *1 | | 6,000 | 8,000 | 12,000 | 15,000 |
| Heating Capacity | Btu/h *1 | | 6,700 | 9,000 | 13,500 | 17,000 |
| Power Consumption | Cooling | W | 40 | | | 50 |
| | Heating | W | 40 | | | 50 |
| Current | Cooling | A | 0.20 | | 0.21 | 0.26 |
| | Heating | A | 0.20 | | 0.21 | 0.26 |
| External Finish Color (Munsell No.) | | | Grille: 6.4Y 8.9/0.4 | | | |
| Dimensions | Height | In. | 9-1/16 | | | |
| | Width | In. | 31-31/32 | | | |
| | Depth | In. | 15-9/16 | | | |
| Net Weight | Unit | Pounds | 31 | | | |
| Heat Exchanger | | | Cross Fin | | | |
| Fan | Type x Quantity | | Line flow fan x 1 | | | |
| | Airflow Rate *2 | CFM | 230 - 254 - 283 - 307 | 258 - 283 - 304 - 328 | 258 - 283 - 304 - 328 | 272 - 307 - 343 - 378 |
| | Motor Type | | DC Brushless Motor | | | |
| Air Filter | | | Polypropylene Honeycomb | | | |
| | Liquid (High Pressure) (Flare) | In. | 1/4 | | | |
| Refrigerant Pipe Dimensions | Gas (Low Pressure) (Flare) | In. | 1/2 | | | |
| Condensate Lift Mechanism (Standard) | | | In. 23-5/8 | | | |
| Drain Pipe Dimension (O.D.) | | | In. 1 | | | |
| Sound Pressure Levels (As Measured in an Anechoic Room) *2 | (Low-Mid1-Mid2-High) | dB(A) | 27 - 30 - 33 - 35 | 32 - 34 - 36 - 37 | 32 - 34 - 36 - 37 | 33 - 35 - 37 - 39 |

Notes:

*1 Cooling/Heating capacity indicates the maximum value at operation under the following conditions: Cooling | Indoor: 80° F (27° C) D.B./67° F (19° C) W.B.; Outdoor: 95° F (35° C) D.B. Heating | Indoor: 70° F (21° C) D.B.; Outdoor: 47° F (8° C) DB/43° F (6° C) W.B.

*2 Airflow rate/sound levels are at (Low-Mid1-Mid2-High).

Ventilation Air: Providing sufficient ventilation air is an important part of every building design. ASHRAE standard 62 provides the minimum ventilation air requirements. Also check local codes.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. Extended warranty of up to 10 years is available. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: PCFY ▼ CEILING-SUSPENDED INDOOR UNIT

PCFY-P**NKMU-ER1

| Model Name | | | PCFY-P15NKMU-ER1 | PCFY-P24NKMU-ER1 | PCFY-P30NKMU-ER1 | PCFY-P36NKMU-ER1 |
|-----------------------------|--------------------------------|--------|--|-----------------------|-----------------------|-------------------------|
| Power Source | | | 208/230V, 1 Phase, 60Hz | | | |
| Cooling Capacity | Btu/h *1 | | 15,000 | 24,000 | 30,000 | 36,000 |
| Heating Capacity | Btu/h *1 | | 17,000 | 27,000 | 34,000 | 40,000 |
| Power Consumption | Cooling | W | 30 | 40 | 90 | 110 |
| | Heating | W | 30 | 40 | 90 | 110 |
| Current | Cooling | A | 0.35 | 0.41 | 0.83 | 0.97 |
| | Heating | A | 0.35 | 0.41 | 0.83 | 0.97 |
| External Finish | Munsell No. | | 6.4Y 8.9/0.4 | | | |
| Dimensions | Height | In. | 9-1/16 | | | |
| | Width | In. | 37-13/16 | 50-3/8 | 63 | |
| | Depth | In. | 26-3/4 | | | |
| Net Weight | Unit | Pounds | 53 | 71 | 79 | 84 |
| Heat Exchanger | | | Cross Fin (Aluminum Plate Fin and Copper Tube) | | | |
| Fan | Type x quantity | | Sirocco Fan x 2 | Sirocco Fan x 3 | Sirocco Fan x 4 | |
| | Airflow Rate *2 | CFM | 353 - 388 - 424 - 459 | 494 - 530 - 565 - 636 | 703 - 777 - 883 - 989 | 742 - 847 - 953 - 1,095 |
| | Motor Type | | Direct - driven DC Motor | | | |
| Air Filter | | | Polypropylene Honeycomb | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Flare) | In. | 1/4 | 3/8 | | |
| | Gas (Low Pressure) (Flare) | In. | 1/2 | 5/8 | | |
| Drain Pipe Dimension (O.D.) | | In. | 1 | | | |
| Sound Pressure Levels *2 | Lo-Mid1-Mid2-Hi | dB(A) | 29 - 32 - 34 - 36 | 31 - 33 - 35 - 37 | 34 - 37 - 40 - 43 | 36 - 39 - 42 - 44 |

Note:

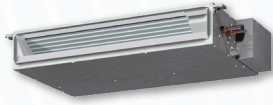
*1 Cooling/Heating Capacity indicates the maximum value at operation under the following conditions: Cooling | Indoor: 80° F (27° C) D.B./67° F (19° C) W.B.; Outdoor 95° F (35° C) D.B. Heating | Indoor: 70° F (21° C) D.B.; Outdoor: 45° F (7° C) D.B./43° F (6° C) W.B.

*2 Airflow rate/sound pressure levels are at Low-Mid1-Mid2-Hi.

Ventilation Air: Providing sufficient ventilation air is an important part of every building design ASHRAE Standard 62 provides the minimum air requirements. Also check local codes.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. Extended warranty of up to 10 years is available. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: PEFY CEILING-CONCEALED INDOOR UNIT

PEFY-P**NMSU-ER2

| Model Name | | | PEFY-P06NM-SU-ER2* 1 | PEFY-P08NM-SU-ER2 | PEFY-P12NM-SU-ER2 | PEFY-P15NM-SU-ER2 | PEFY-P18NM-SU-ER2 | PEFY-P24NM-SU-ER2 | |
|--------------------------------------|---------------------------------|----------|--|-------------------|-------------------|-------------------|-------------------|-------------------|--|
| Power Source | | | 208/230V, 1-phase, 60Hz | | | | | | |
| Cooling Capacity *2 | Btu/h | | 6,000 | 8,000 | 12,000 | 15,000 | 18,000 | 24,000 | |
| Heating Capacity *2 | Btu/h | | 6,700 | 9,000 | 13,500 | 17,000 | 20,000 | 27,000 | |
| Power Consumption | Cooling | W | 50/50 | 60/60 | 70/70 | | 90/90 | 120/120 | |
| | Heating | W | 30/30 | 40/40 | 50/50 | | 70/70 | 100/100 | |
| Current | Cooling | A | 0.42/0.41 | 0.51/0.49 | 0.56/0.53 | 0.57/0.55 | 0.74/0.70 | 0.98/0.93 | |
| | Heating | A | 0.32/0.31 | 0.41/0.39 | 0.46/0.43 | 0.47/0.45 | 0.64/0.60 | 0.88/0.83 | |
| External Finish | | | Galvanized Steel Sheets | | | | | | |
| Dimensions | Height | In. | 7-7/8 | | | | | | |
| | Width | In. | 31-1/8 | | | 39 | | 46-7/8 | |
| | Depth | In. | 27-9/16 | | | | | | |
| Net Weight | Unit | Pounds | 42 | 46 | 54 | 62 | | | |
| Heat Exchanger | | | Cross Fin (Aluminum Plate Fin and Copper Tube) | | | | | | |
| Fan | Type x Quantity | | Sirocco Fan x 2 | | | Sirocco Fan x 3 | | Sirocco Fan x 4 | |
| | Airflow Rate *3 | CFM | 176 - 212 - 247 | 194 - 247 - 317 | 211 - 282 - 370 | 282 - 335 - 388 | 353 - 441 - 529 | 423 - 565 - 706 | |
| | External Static Pressure *4 | In. W.G. | 0.02 - 0.06 - 0.14 - 0.20 | | | | | | |
| | Motor Type | | DC Brushless Motor | | | | | | |
| Air Filter | | | Polypropylene Honeycomb Fabric (washable) | | | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 1/4 | | | | | 3/8 | |
| | Gas (Low Pressure) (Brazed) | In. | 1/2 | | | | | 5/8 | |
| Condensate Lift Mechanism (standard) | | In. | 21 - 4/16 | | | | | | |
| Drain Pipe Dimensions (O.D.) | | In. | 1 - 1/4 | | | | | | |
| Sound Pressure Levels *3 | Low-Mid-High | dB(A) | 22 - 24 - 28 | 23 - 26 - 30 | 23 - 28 - 35 | 28 - 30 - 33 | 30 - 34 - 37 | 30 - 35 - 40 | |

Notes:

*1 Not compatible with PUHY/PURY-P-TGMU or PQHY/PQRY-P-TGMU units.

*2 Cooling/Heating capacity indicates the maximum value at operation under the following conditions: Cooling | Indoor: 80° F (27° C) D.B./67° F (19° C) W.B.; Outdoor: 95° F (35° C) D.B. Heating | Indoor: 70° F (21° C) D.B.; Outdoor: 47° F (8° C) D.B./43° F (6° C) W.B.

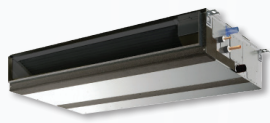
*3 Airflow rate/sound pressure levels are at (Low-Mid-High).

*4 External static pressure is factory set to 0.06" W.G.

Ventilation Air: Providing sufficient ventilation air is an important part of every building design ASHRAE Standard 62 provides the minimum air requirements. Also check local codes.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. Extended warranty of up to 10 years is available. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: PEFY ▶

CEILING-CONCEALED INDOOR UNIT

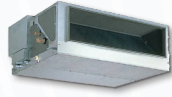
PEFY-P**NMAU-E3

| Model Name | | | PE-FY-P06NMAU-E3 | PE-FY-P08NMAU-E3 | PE-FY-P12NMAU-E3 | PE-FY-P15NMAU-E3 | PE-FY-P18NMAU-E3 | PE-FY-P24NMAU-E3 | |
|-----------------------------|---------------------------------|----------|--|------------------|-------------------|---------------------|-----------------------|------------------|-----|
| Power Source | | | 208/230V, 1-Phase, 60Hz | | | | | | |
| Cooling Capacity | | Btu/h *1 | 6,000 | 8,000 | 12,000 | 15,000 | 18,000 | 24,000 | |
| Heating Capacity | | Btu/h *1 | 6,700 | 9,000 | 13,500 | 17,000 | 20,000 | 27,000 | |
| Power Consumption | Cooling | W | 60 | | | 90 | | 110 | 170 |
| | Heating | W | 40 | | | 70 | | 90 | 150 |
| Current | Cooling | A | 0.56/0.52 | | 0.66/0.62 | 0.67/0.63 | 0.77/0.73 | 1.31/1.27 | |
| | Heating | A | 0.45/0.41 | | 0.55/0.51 | 0.56/0.52 | 0.66/0.62 | 1.20/1.16 | |
| External Finish | | | Galvanized Steel Sheet | | | | | | |
| Dimensions | Height | In. | 9-7/8 | | | | | | |
| | Width | In. | 27-9/16 | | | 35-7/16 | | 43-5/16 | |
| | Depth | In. | 28-7/8 | | | | | | |
| Net Weight | Unit | Pounds | 49 | | | 58 | | 67 | |
| Heat Exchanger | | | Cross Fin (Aluminum plate fin and copper tube) | | | | | | |
| Fan | Type x Quantity | | Sirocco Fan x 1 | | | | | Sirocco Fan x 2 | |
| | Airflow Rate *2 | CFM | 212 - 265 - 300 | | 265 - 318 - 371 | 353 - 424 - 494 | 424 - 512 - 600 | 618 - 742 - 883 | |
| | External Static Pressure | In. W.G. | 0.14 - 0.20 - 0.28 - 0.40 - 0.60 | | | | | | |
| | Motor Type | | Direct-driven DC Brushless Motor | | | | | | |
| Air Filter | | | Polypropylene Honeycomb | | | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 1/4 | | | | | 3/8 | |
| | Gas (Low Pressure) (Brazed) | In. | 1/2 | | | | | 5/8 | |
| Drain Pipe Dimension (O.D.) | | In. | 1-1/4" | | | | | | |
| Sound Pressure Levels | Lo-Mid-Hi | dB(A) | 26 - 28 - 29 | | 28 - 30 - 34 | | 26 - 28 - 29 | | |
| Model Name | | | PEFY-P27NMAU-E3 | PEFY-P30NMAU-E3 | PEFY-P36NMAU-E3 | PEFY-P48NMAU-E3 | PEFY-P54NMAU-E3 | | |
| Power Source | | | 208/230V, 1-Phase, 60Hz | | | | | | |
| Cooling Capacity | | Btu/h *1 | 27,000 | 30,000 | 36,000 | 48,000 | 54,000 | | |
| Heating Capacity | | Btu/h *1 | 30,000 | 34,000 | 40,000 | 54,000 | 60,000 | | |
| Power Consumption | Cooling | W | 170 | | | 240 | 340 | 360 | |
| | Heating | W | 150 | | | 220 | 320 | 340 | |
| Current | Cooling | A | 1.31/1.27 | | 1.50/1.46 | 2.08/2.04 | 2.24/2.2 | | |
| | Heating | A | 1.20/1.16 | | 1.39/1.35 | 1.97/1.93 | 2.13/2.09 | | |
| External Finish | | | Galvanized Steel Sheet | | | | | | |
| Dimensions | Height | In. | 9-7/8 | | | | | | |
| | Width | In. | 43-5/16 | | | 55-1/8 | | 63 | |
| | Depth | In. | 28-7/8 | | | | | | |
| Net Weight | Unit | Pounds | 67 | | | 86 | | 93 | |
| Heat Exchanger | | | Cross Fin (Aluminum plate fin and copper tube) | | | | | | |
| Fan | Type x Quantity | | Sirocco Fan x 2 | | | | | | |
| | Airflow Rate *2 | CFM | 618 - 742 - 883 | | 812 - 989 - 1,165 | 989 - 1,201 - 1,412 | 1,042 - 1,254 - 1,483 | | |
| | External Static Pressure | In. W.G. | 0.14 - 0.20 - 0.28 - 0.40 - 0.60 | | | | | | |
| | Extended Static Motor Type | | Direct-driven DC Brushless Motor | | | | | | |
| Air Filter | | | Polypropylene Honeycomb | | | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 3/8 | | | | | | |
| | Gas (Low Pressure) (Brazed) | In. | 5/8 | | | | | | |
| Drain Pipe Dimension (O.D.) | | In. | 1-1/4 | | | | | | |
| Sound Pressure Levels | Lo-Mid-Hi | dB(A) | 28 - 30 - 34v | | 32 - 37 - 41 | 35 - 40 - 44 | 36 - 41 - 45 | | |

Notes:
 *1 Cooling/Heating Capacity indicates the maximum value at operation under the following conditions: Cooling | Indoor: 80° F (27° C) D.B./67° F (19° C) W.B.; Outdoor 95° F (35° C) D.B. Heating | Indoor: 70° F (21° C) D.B.; Outdoor: 45° F (7° C) D.B./43° F (6° C) W.B.

Ventilation Air: Providing sufficient ventilation air is an important part of very buildin design ASHRAE Standard 62 provides the minimum air requirements. Also check local codes.

Specifications are subject to change without notice.
LIMITED WARRANTY | Seven-year compressor and one year parts. Extended warranty of up to 10 years is available. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: PEFY CEILING-CONCEALED INDOOR UNIT

PEFY-P**NMH(S)U-E(2)

| Model Name | | | PEFY-P15NMHU-E2 | PEFY-P18NMHU-E2 | PEFY-P24NMHU-E2 | PEFY-P27NMHU-E2 | PEFY-P30NMHU-E2 |
|-------------------------------------|---------------------------------|---------------|--|-----------------|-----------------|-----------------|-----------------|
| Power Source | | | 208/230V, 1-phase, 60Hz | | | | |
| Cooling Capacity *1 | | Btu/h | 15,000 | 18,000 | 24,000 | 27,000 | 30,000 |
| Heating Capacity *1 | | Btu/h | 17,000 | 20,000 | 27,000 | 30,000 | 34,000 |
| Power Consumption | Cooling | W | 270/280 | 270/280 | 330/320 | 390 | 450 |
| | Heating | W | 250/260 | 250/260 | 310/300 | 370 | 430 |
| Current | Cooling | A | 1.32/1.25 | 1.32/1.25 | 1.61/1.43 | 1.90/1.73 | 2.20/2.00 |
| | Heating | A | 1.21/1.14 | 1.21/1.14 | 1.50/1.32 | 1.79/1.62 | 2.09/1.89 |
| External Finish | | | Unit: Galvanized Steel Plate | | | | |
| Dimensions | Height | In. | 15 | 15 | 15 | 15 | 15 |
| | Width | In. | 29-3/8 | 29-3/8 | 29-3/8 | 40-9/16 | 40-9/16 |
| | Depth | In. | 35-7/16 | 35-7/16 | 35-7/16 | 35-7/16 | 35-7/16 |
| Net Weight | Unit | Pounds | 98 | 98 | 100 | 124 | 124 |
| Heat Exchanger | | | Cross Fin (Aluminum Plate Fin and Copper Tube) | | | | |
| Fan | Type x Quantity | | Sirocco Fan x 1 | Sirocco Fan x 1 | Sirocco Fan x 1 | Sirocco Fan x 1 | Sirocco Fan x 2 |
| | Airflow Rate *2 | CFM | 353 - 494 | 353 - 494 | 477 - 671 | 547 - 777 | 636 - 883 |
| | Ext. Static Pressure (208/230V) | In. W.G. | 0.40 - 1.00/0.60 - 1.00 | | | | |
| | Motor Type | | Single-phase Induction Motor | | | | |
| Air Filter | | | Optional Part | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Flare) | In. | 1/4 | 1/4 | 3/8 | 3/8 | 3/8 |
| | Gas (Low Pressure) (Flare) | In. | 1/2 | 1/2 | 5/8 | 5/8 | 5/8 |
| Drain Pipe Dimension (O.D.) | | In. | 1-1/4 | 1-1/4 | 1-1/4 | 1-1/4 | 1-1/4 |
| Sound Pressure Levels (Low-High) *2 | | dB(A) at 230V | 39 - 45 | 39 - 45 | 40 - 46 | 38 - 44 | 38 - 43 |

| Model Name | | | PEFY-P36NMHU-E2 | PEFY-P48NMHU-E2 | PEFY-P54NMHU-E2 | PEFY-P72NMHSU-E | PEFY-P96NMHSU-E | |
|--|---------------------------------|---------------|--|-----------------|-----------------|-----------------------|----------------------------------|--|
| Power Source | | | 208/230V, 1-phase, 60Hz | | | | | |
| Cooling Capacity *1 | | Btu/h | 36,000 | 48,000 | 54,000 | 72,000 | 96,000 | |
| Heating Capacity *1 | | Btu/h | 40,000 | 54,000 | 60,000 | 80,000 | 108,000 | |
| Power Consumption | Cooling | W | 620/610 | 620/610 | 630/620 | 63 | 82 | |
| | Heating | W | 600/590 | 600/590 | 610/600 | 63 | 82 | |
| Current | Cooling | A | 3.10/2.74 | 3.10/2.74 | 3.11/2.78 | 3.67/3.32 | 4.89/4.43 | |
| | Heating | A | 2.99/2.63 | 2.99/2.63 | 3.00/2.67 | 3.67/3.32 | 4.89/4.43 | |
| External Finish | | | Unit: Galvanized Steel Plate | | | | | |
| Dimensions | Height | In. | 15 | 15 | 15 | 18-9/16 | | |
| | Width | In. | 47-1/16 | 47-1/16 | 47-1/16 | 49-1/4 | | |
| | Depth | In. | 35-7/16 | 35-7/16 | 35-7/16 | 44-1/8 | | |
| Net Weight | Unit | Pounds | 153 | 153 | 157 | 214 | 221 | |
| Heat Exchanger | | | Cross Fin (Aluminum Plate Fin and Copper Tube) | | | | | |
| Fan | Type x Quantity | | Sirocco Fan x 2 | Sirocco Fan x 2 | Sirocco Fan x 2 | Sirocco Fan x 2 | Sirocco Fan x 2 | |
| | Airflow Rate *2 | CFM | 936 - 1,342 | 936 - 1,342 | 989 - 1,412 | 1,766 - 2,154 - 2,542 | 2,048 - 2,507 - 2,966 | |
| | Ext. Static Pressure (208/230V) | In. W.G. | 0.40 - 1.00/0.60 - 1.00 | | | | 0.20 - 0.40 - 0.60 - 0.80 - 1.00 | |
| | Motor Type | | Single-phase Induction Motor | | | | DC Motor | |
| Air Filter | | | Optional Part | | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) | In. | 3/8 (Flare) | 3/8 (Flare) | 3/8 (Flare) | 3/8 (Brazed) | 3/8 (Brazed) | |
| | Gas (Low Pressure) | In. | 5/8 (Flare) | 5/8 (Flare) | 5/8 (Flare) | 3/4 (Brazed) | 7/8 (Brazed) | |
| Drain Pipe Dimension (O.D.) | | In. | 1-1/4 | 1-1/4 | 1-1/4 | 1-1/4 | 1-1/4 | |
| Sound Levels *2 (Low-High or Low-Mid-High) | | dB(A) at 230V | 40 - 46 | 40 - 46 | 41 - 47 | 36 - 39 - 43 | 39 - 42 - 46 | |

Notes:

*1 Cooling/Heating capacity indicates the maximum value at operation under the following conditions:
 Cooling | Indoor: 80° F (27° C) D.B./67° F (19° C) W.B. ; Outdoor: 95° F (35° C) D.B.
 Heating | Indoor: 70° F (21° C) D.B. ; Outdoor: 45° F (7° C) D.B./43° F (6° C) W.B.

*2 Airflow rate/sound levels are at (Low-High).

Ventilation Air: Providing sufficient ventilation air is an important part of every building design ASHRAE standard 62 provides the minimum ventilation air requirements. Also check local codes.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. Extended warranty of up to 10 years is available. See our website for details on specific additional application installation coverage.



SPECIFICATIONS: PFFY-P-NEMU/NRMU ▼

FLOOR-STANDING INDOOR UNIT

PFFY-P**N(E,R)MU-E

| Model | | | PFFY-P06NEMU-E | PFFY-P08NEMU-E | PFFY-P12NEMU-E | PFFY-P15NEMU-E | PFFY-P18NEMU-E | PFFY-P24NEMU-E |
|-------------------------------|--------------------------------|--------|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Power Source | | | 208/230V, 1 Phase, 60Hz | | | | | |
| Cooling Capacity | Btu/h *1 | | 6,000 | 8,000 | 12,000 | 15,000 | 18,000 | 24,000 |
| Heating Capacity | Btu/h *1 | | 6,700 | 9,000 | 13,500 | 17,000 | 20,000 | 27,000 |
| Power Consumption | Cooling | W | 51/61 | 51/61 | 55/67 | 65/78 | 78/93 | 96/114 |
| | Heating | W | 51/61 | 51/61 | 55/67 | 65/78 | 78/93 | 96/114 |
| Current | Cooling | A | 0.25/0.27 | 0.25/0.27 | 0.27/0.30 | 0.32/0.35 | 0.38/0.42 | 0.47/0.51 |
| | Heating | A | 0.25/0.27 | 0.25/0.27 | 0.27/0.30 | 0.32/0.35 | 0.38/0.42 | 0.47/0.51 |
| External Finish (Munsell No.) | | | Acrylic Painted (5Y 8/1) | | | | | |
| Dimensions | Height | In. | 24-13/16 | 24-13/16 | 24-13/16 | 24-13/16 | 24-13/16 | 24-13/16 |
| | Width | In. | 41-11/32 | 41-11/32 | 46-3/32 | 46-3/32 | 55-17/32 | 55-17/32 |
| | Depth | In. | 8-11/16 | 8-11/16 | 8-11/16 | 8-11/16 | 8-11/16 | 8-11/16 |
| Net Weight | Unit | Pounds | 67 | 67 | 71 | 73 | 84 | 89 |
| Heat Exchanger | | | Cross Fin (Aluminum Plate Fin and Copper Tube) | | | | | |
| Fan | Type x Quantity | | Sirocco Fan x 1 | Sirocco Fan x 1 | Sirocco Fan x 2 | Sirocco Fan x 2 | Sirocco Fan x 2 | Sirocco Fan x 2 |
| | Airflow Rate *2 | CFM | 194 - 229 | 194 - 229 | 247 - 317 | 300 - 388 | 353 - 459 | 353 - 494 |
| | Motor Type | | Single Phase Induction Motor | | | | | |
| | Motor Output | W | 15 | 15 | 18 | 30 | 35 | 63 |
| Air Filter | | | Standard Filter | | | | | |
| Refrigerant Pipe Dimension | Liquid (High Pressure) (Flare) | In. | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3/8 |
| | Gas (Low Pressure) (Flare) | In. | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5/8 |
| Drain Pipe Dimension | | In. | O.D. 1-3/32 | | | | | |
| Sound Levels *2 | (Low-High) | dB(A) | 36 - 41 | 36 - 41 | 37 - 41 | 38 - 43 | 38 - 43 | 40 - 46 |

Notes:

*1 Cooling/Heating capacity indicates the maximum value at operation under the following conditions:
 Cooling | Indoor: 80° F (27° C) D.B./67° F (19° C) W.B. ; Outdoor: 95° F (35° C) D.B.
 Heating | Indoor: 70° F (21° C) D.B. ; Outdoor: 45° F (7° C) D.B./43° F (6° C) W.B.

*2 Airflow rate/sound levels are at (Low-High).

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. Extended warranty of up to 10 years is available. See our website for details on specific additional application installation coverage.

Ventilation Air: Providing sufficient ventilation air is an important part of every building design ASHRAE standard 62 provides the minimum ventilation air requirements. Also check local codes.



SPECIFICATIONS: PFFY-P-NEMU/NRMU FLOOR-STANDING INDOOR UNIT

PFFY-P**N(E,R)MU-E

| Model | | | PFFY-P06NRMU-E | PFFY-P08NRMU-E | PFFY-P12NRMU-E | PFFY-P15NRMU-E | PFFY-P18NRMU-E | PFFY-P24NRMU-E |
|-------------------------------|--------------------------------|--------|--|-----------------|-----------------|-----------------|-----------------|-----------------|
| Power Source | | | 208/230V, 1 Phase, 60Hz | | | | | |
| Cooling Capacity | Btu/h *1 | | 6,000 | 8,000 | 12,000 | 15,000 | 18,000 | 24,000 |
| Heating Capacity | Btu/h *1 | | 6,700 | 9,000 | 13,500 | 17,000 | 20,000 | 27,000 |
| Power Consumption | Cooling | W | 51/61 | 51/61 | 55/67 | 65/78 | 78/93 | 96/114 |
| | Heating | W | 51/61 | 51/61 | 55/67 | 65/78 | 78/93 | 96/114 |
| Current | Cooling | A | 0.25/0.27 | 0.25/0.27 | 0.27/0.30 | 0.32/0.35 | 0.38/0.42 | 0.47/0.51 |
| | Heating | A | 0.25/0.27 | 0.25/0.27 | 0.27/0.30 | 0.32/0.35 | 0.38/0.42 | 0.47/0.51 |
| External Finish (Munsell No.) | | | Galvanized Sheet Metal | | | | | |
| Dimensions | Height | In. | 25-3/16 | 25-3/16 | 25-3/16 | 25-3/16 | 25-3/16 | 25-3/16 |
| | Width | In. | 34-29/32 | 34-29/32 | 39-5/8 | 39-5/8 | 49-1/16 | 49-1/16 |
| | Depth | In. | 8-11/16 | 8-11/16 | 8-11/16 | 8-11/16 | 8-11/16 | 8-11/16 |
| Net Weight | Unit | Pounds | 51 | 51 | 58 | 60 | 69 | 71 |
| Heat Exchanger | | | Cross Fin (Aluminum Plate Fin and Copper Tube) | | | | | |
| Fan | Type x Quantity | | Sirocco Fan x 1 | Sirocco Fan x 1 | Sirocco Fan x 2 | Sirocco Fan x 2 | Sirocco Fan x 2 | Sirocco Fan x 2 |
| | Airflow Rate *2 | CFM | 194 - 229 | 194 - 229 | 247 - 317 | 300 - 388 | 353 - 459 | 353 - 494 |
| | Motor Type | | Single Phase Induction Motor | | | | | |
| | Motor Output | kW | 0.015 | 0.015 | 0.018 | 0.030 | 0.035 | 0.063 |
| Air Filter | | | Standard Filter | | | | | |
| Refrigerant Pipe Dimension | Liquid (High Pressure) (Flare) | In. | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3/8 |
| | Gas (Low Pressure) (Flare) | In. | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 | 5/8 |
| Drain Pipe Dimension | | In. | O.D. 1-3/32 | | | | | |
| Sound Levels *2 | (Low-High) | dB(A) | 36 - 41 | 36 - 41 | 37 - 41 | 38 - 43 | 38 - 43 | 40 - 46 |

Notes:

*1 Cooling/Heating capacity indicates the maximum value at operation under the following conditions:
Cooling | Indoor: 80° F (27° C) D.B./67° F (19° C) W.B. ; Outdoor: 95° F (35° C) D.B.
Heating | Indoor: 70° F (21° C) D.B. ; Outdoor: 45° F (7° C) D.B./43° F (6° C) W.B.

*2 Airflow rate/sound levels are at (Low-High).

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. Extended warranty of up to 10 years is available. See our website for details on specific additional application installation coverage.

Ventilation Air: Providing sufficient ventilation air is an important part of every building design ASHRAE standard 62 provides the minimum ventilation air requirements. Also check local codes.



SPECIFICATIONS: PVFY ▼ MULTI-POSITION AIR HANDLER

PVFY-P**NAMU-E1

| Model Name | | | PVFY-P12NA-MU-E1 | PVFY-P18NA-MU-E1 | PVFY-P24NA-MU-E1 | PVFY-P30NA-MU-E1 | PVFY-P36NA-MU-E1 | PVFY-P48NA-MU-E1 | PVFY-P54NA-MU-E1 |
|--|---------------------------------|----------|--|------------------|------------------|------------------|-------------------|---------------------|-----------------------|
| Power Source | | | 208/230V, 1-phase, 60Hz | | | | | | |
| Cooling Capacity | | Btu/h *1 | 12,000 | 18,000 | 24,000 | 30,000 | 36,000 | 48,000 | 54,000 |
| Heating Capacity | | Btu/h *1 | 13,500 | 20,000 | 27,000 | 34,000 | 40,000 | 54,000 | 60,000 |
| Dimensions | Height | In. | 50-1/4 | | | 54-1/4 | | 59-1/2 | |
| | Width | In. | 17 | | | 21 | | 25 | |
| | Depth | In. | 21-5/8 | | | | | | |
| Net Weight | Unit | Pounds | 113 | | | 141 | | 172 | |
| Heat Exchanger | | | Cross fin (Aluminum fin and copper tube) | | | | | | |
| Fan | Type x Qty. | | Sirocco fan x 1 | | | | | | |
| | Airflow Rate *2 | CFM | 280 - 340 - 400 | 410 - 497 - 585 | 515 - 625 - 735 | 613 - 744 - 875 | 767 - 931 - 1,095 | 980 - 1,190 - 1,400 | 1,040 - 1,262 - 1,485 |
| | External Static Pressure | In. W.G. | 0.30 - 0.50 - 0.80 (selectable) | | | | | | |
| | Motor Type | | DC motor | | | | | | |
| Filter | | | Polypropylene Honeycomb | | | | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 1/4 | | | 3/8 | | | |
| | Gas (Low Pressure) (Brazed) | In. | 1/2 | | | 5/8 | | | |
| Drain Pipe Dimensions | | In. | 3/4 FPT | | | | | | |
| Sound Pressure Levels (As Measured in an Anechoic Room) *2 | Pressure | dB(A) | 27 - 31 - 35 | 28 - 32 - 36 | 30 - 34 - 38 | 32 - 36 - 40 | 35 - 39 - 43 | 35 - 39 - 43 | 36 - 40 - 44 |

Notes:

*1 Cooling/Heating capacity indicates the maximum value at operation under the following conditions:

Cooling | Indoor: 80° F (27° C) D.B./67° F (19° C) W.B.; Outdoor: 95° F (35° C) D.B.

Heating | Indoor: 70° F (21° C) D.B.; Outdoor: 47° F (8° C) D.B./43° F (6° C) W.B.

*2 Airflow rate/sound pressure levels are at (Low-Med-High).

Ventilation Air: Providing sufficient ventilation air is an important part of every building design. ASHRAE standard 62 provides the minimum ventilation air requirements. Also check local codes.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. Extended warranty of up to 10 years is available. See our website for details on specific additional application installation coverage



VENTILATION SPECIFICATIONS

Lossnay® Energy Recovery Ventilators (ERVs)/DOAS

UBER ADVANCED TECHNOLOGIES GROUP
PITTSBURGH, PA



SPECIFICATIONS: LOSSNAY® ▼ ENERGY RECOVERY VENTILATOR (ERV)

LGH-F***RVX-E

| Model Name | | LGH-F300RVX-E | LGH-F470RVX-E | LGH-F600RVX-E | LGH-F1200RVX-E | |
|--|---|----------------------------|------------------------------------|-----------------------------------|------------------------------------|---------------------------------------|
| Capacity | CFM (m3/h) | 300 (510) | 470 (799) | 600 (1019) | 1200 (2039) | |
| Power Source | | 1-phase 208/230V 60Hz | | | | |
| Power Consumption | kW | 0.012 - 0.155 | 0.031 - 0.348 | 0.034 - 0.438 | 0.08 - 0.88 | |
| Current | A | 0.22 - 1.17 | 0.39 - 2.15 | 0.28 - 2.70 | 0.60 - 5.40 | |
| Starting Current | A | 6.1 | | | 12.2 | |
| Minimum Circuit Ampacity (MCA) | A | 2.05 | 3.1 | 3.45 | 6.4 | |
| Maximum Overcurrent Protection (MOCP) | A | 15 | | | | |
| Fan | Air Volume | CFM (m3/h) | 75-150-225-300 (127-255-382-510) | 118-235-353-470 (200-399-599-799) | 150-300-450-600 (255-510-765-1019) | 300-600-900-1200 (510-1019-1529-2039) |
| | External Static Pressure | In. W.G. | 0.03-0.12-0.26-0.46 | 0.04-0.15-0.34-0.60 | 0.04-0.16-0.37-0.66 | 0.04-0.15-0.33-0.59 |
| Exchange Efficiency | Temperature | % | 83-76-70-65.5 | 84.5-77.5-73-69 | 81-76.5-73-67 | |
| | Enthalpy Cooling | % | 65-58-53.5-50 | 72-64-57-51 | 71-64.5-56.5-50 | |
| | Enthalpy Heating | % | 81.5-74-66.5-63 | 83-75-69-64 | 80-74.5-68.5-64 | |
| External Finish | | Galvanized Steel Sheet | | | | |
| External Dimensions (H x W x D) | In. | 13-1/32 x 41-7/8 x 41-3/16 | 15-29/32 x 41-3/8 x 51-5/16 | 15-29/32 x 50-5/16 x 51-5/16 | 31-13/16 x 50-1/8 x 51-5/16 | |
| | mm | 331 x 1063 x 1046 | 404 x 1051 x 1302 | 404 x 1278 x 1302 | 808 x 1272 x 1302 | |
| Net Weight | lbs | 75 | 110 | 123 | 251 | |
| | kg | 34 | 50 | 56 | 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 | | | |
| Motor Type | EC Motor | | | | | |
| Filter | Non-Woven Fabric Filter, Washable Fiber | | | | | |
| Entering Air Temperature Operation Range | 14° F To 104° F (-10° C To 40° C), Rh 80% Or Less | | | | | |
| Sound Pressure Level | dB(A) | 18.0-22.0-28.0-34.0 | 18.0-23.0-30.0-34.5 | 18.0-23.0-31.0-37.0 | 19.5-28.0-36.0-41.0 | |

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. Extended warranty of up to 10 years is available. See our website for details on specific additional application installation coverage



SPECIFICATIONS: DEDICATED OUTDOOR AIR SYSTEMS

PEFY-AF

| Model Name | | | PEFY-AF1200CFMR |
|---|--------------------------------|------------------------------|--|
| Power Source | | | |
| Cooling Capacity | Btu/h *1 | | 112,000 |
| Heating Capacity | Btu/h *1 | | 61,400 |
| Reheat Capacity | Btu/h | | 24,200 |
| Power Consumption | Cooling | W | 660/780 |
| | Heating | W | 660/780 |
| Current | Cooling | A | 3.19/3.45 |
| | Heating | A | 3.19/3.45 |
| External Finish | | | Galvanized |
| Dimensions | Height | In. | 18-9/16 |
| | Width | In. | 49-1/4 |
| | Depth | In. | 55-1/8 |
| Net Weight | Unit | Pounds | 309 |
| Heat Exchanger | | | Cross Fin (Aluminum Plate Fin and Copper Tube) |
| Fan | Type x quantity | | Sirocco Fan x 2 |
| | Airflow Rate *2 | CFM | 1,200 |
| | External Static Pressure | In. WG | 0.28 - 0.48 - 0.80 (208V) |
| | | | 0.52 - 0.72 - 0.96 (230V) |
| Motor Type | | Single-phase Induction Motor | |
| Air Filter | | | Field Supply |
| Main Coil Refrigerant Pipe Dimensions | Liquid (High Pressure) (Flare) | In. | 3/8 |
| | Gas (Low Pressure) (Flare) | In. | 7/8 |
| Reheat Coil Refrigerant Pipe Dimensions | Liquid (High Pressure) (Flare) | In. | 7/8 |
| | Gas (Low Pressure) (Flare) | In. | 3/8 |
| Drain Pipe Dimension (O.D.) | | In. | 1-1/4 x 2 |
| Sound Pressure Level *3 | Low-Mid-High | dB(A) | 36-38-41 (208V) |
| | | | 39-41-43 (230V) |
| Operating Temperature Range | Cooling | | 50° F WB to 95° F WB (109° F DB) (10° C WB to 35° C WB [43° C DB]) |
| | Heating | | -4° F WB to +60° F WB (-20° C WB to +15.5° C WB) |
| Connectable Outdoor Unit | | | PURY-P120TLMU-A (-BS), PURY-P120YLMU-A (-BS) PURY-P120TKMU-A (-BS), PURY-P120YKMU-A (-BS) |

Notes:

*1 Cooling/Heating Capacity indicates the maximum value at operation under the following conditions:

Cooling | Entering Indoor Unit: 87° F (31° C) D.B./80° F (27° C) W.B.

Cooling | Outdoor Unit: 87° F (31° C) D.B.

Heating | Entering Indoor Unit: 32° F (0° C) D.B.

Heating | Outdoor Unit: 32° F (0° C) D.B./28° F (-2° C) W.B.

Ventilation Air: Providing sufficient ventilation air is an important part of very building design ASHRAE Standard 62 provides the minimum air requirements. Also check local codes.

Specifications are subject to change without notice.

LIMITED WARRANTY | Seven-year compressor and one year parts. Extended warranty of up to 10 years is available. See our website for details on specific additional application installation coverage

SPECIFICATIONS: PEFY-OA ▼

CEILING-CONCEALED INDOOR UNIT OUTSIDE AIR APPLICATIONS



PEFY-P**NMHU-E-OA

| Model Name | | | PEFY-P36NMHU-E-OA | PEFY-P48NMHU-E-OA | PEFY-P72NMHU-E-OA | PEFY-P96NMHU-E-OA |
|---|---------------------------------|----------|---|-------------------|-------------------|-----------------------|
| Power Source | | | 208/230V, 1-Phase, 60Hz | | | |
| Cooling Capacity | | Btu/h *1 | 36,000 | 48,000 | 72,000 | 96,000 |
| Heating Capacity | | Btu/h *1 | 21,000 | 28,000 | 43,000 | 57,000 |
| Power Consumption | Cooling | kW | 0.130 | 0.180 | 0.220 | 0.320 |
| | Heating | kW | 0.140 | 0.200 | 0.240 | 0.330 |
| Current | Cooling | A | 1.25 | 1.59 | 1.86 | 2.56 |
| | Heating | A | 1.09 | 1.46 | 1.70 | 2.42 |
| Temperature Range | Cooling *2 | °F | 63-118°F D.B. | | | |
| | Heating *3 | °F | 14-59°F D.B. | | | |
| External Finish | | | Galvanized steel sheet | | | |
| Dimensions | Height | In. | 15 | 15 | 18-9/16 | 18-9/16 |
| | Width | In. | 47-1/16 | 47-1/16 | 49-1/4 | 49-1/4 |
| | Depth | In. | 35-7/16 | 35-7/16 | 44-1/8 | 44-1/8 |
| Net Weight | Unit | Pounds | 109 | 109 | 177 | 177 |
| Heat Exchanger | | | Cross fin (Aluminum fin and copper tube) | | | |
| Fan | Type x Quantity | | Sirocco fan x 1 | Sirocco fan x 1 | Sirocco fan x 2 | Sirocco fan x 2 |
| | Airflow Rate *4 | CFM | 350 - 400 - 450 | 500 - 550 - 600 | 700 - 800 - 900 | 1,000 - 1,100 - 1,200 |
| | Motor Type | | DC Motor | | | |
| | Motor Output | kW | 0.244 | 0.244 | 0.375 | 0.375 |
| Air Filter | | | Field Supply | | | |
| Refrigerant Pipe Dimensions | Liquid (High Pressure) (Brazed) | In. | 3/8 | | | |
| | Gas (Low Pressure) (Brazed) | In. | 5/8 | 5/8 | 3/4 | 7/8 |
| Drain Pipe Dimension (O.D.) | | In. | O.D. 1-1/4 x2 | | | |
| Sound Pressure Levels (As Measured in an Anechoic Room)*3 | Low-Mid-High | dB(A) | 35-38-40 | 38-40-41 | 34-38-42 | 39-41-44 |

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.



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